

Agrisera antibodies cited in scientific publications

Product number	Product Name	Pubmed ID	Link to Article
AS08 300	1 PEB (4x) protein extraction buffer	35935540	Saruhan et al. (2022) Increased dehydrin level decreases leaf rolling grade by...
AS08 300	1 PEB (4x) protein extraction buffer	31925980	Perez-Lopez et al. (2020). Transcriptome Analysis Identifies Plasmodiophora br...
AS08 300	1 PEB (4x) protein extraction buffer	32112235	Altuntas et al. (2020). Proline-stimulated signaling primarily targets the chl...
AS08 300	1 PEB (4x) protein extraction buffer		Bausch, A.R., Juhl, A.R., Donaher, N.A. et al. Mar Biol (2019) 166: 80....
AS08 300	1 PEB (4x) protein extraction buffer		Morin et al. (2019). Morin et al. (2019). Response of the sea-ice diatom Fragi...
AS08 300	1 PEB (4x) protein extraction buffer	29657126	Matsuo and Atsumi (2018). Xylosylation of proteins by expression of human xylo...
AS08 300	1 PEB (4x) protein extraction buffer	22171633	Brouwer et al. (2011) TheImpact ofLightIntensity onShade-InducedLeaf Senescenc...
AS08 300	1 PEB (4x) protein extraction buffer	21276650	Kosawang et al. (2011) Hydrogen yield from a hydrogenase in Frankia R43 at dif...
AS20 4403	12S seed storage protein CRC	24363287	Shirakawa et al. (2014). CONTINUOUS VASCULAR RING (COV1) is a trans-Golgi netw...
AS20 4403	12S seed storage protein CRC	24118572	Li et al (2013). MAG2 and three MAG2-INTERACTING PROTEINs form an ER-localized...
AS12 2119	14-3-3 GRF General regulatory element		Guo et al. (2022) Acetylproteomics analyses reveal critical features of lysine...
AS12 2119	14-3-3 GRF General regulatory element		Franziska et al. (2022) Auxin application to maize plants at flowering increas...
AS12 2119	14-3-3 GRF General regulatory element	34937558	Kumari et al. (2021) In-depth assembly of organ and development dissected Picr...
AS12 2119	14-3-3 GRF General regulatory element		Dongxu et al. (2020). Magnesium reduces cadmium accumulation by decreasing the...
AS12 2119	14-3-3 GRF General regulatory element	32727653	Gupta and Shaw (2020). Biochemical and molecular characterisations of salt tol...
AS12 2119	14-3-3 GRF General regulatory element		Pertl-Obermeyer et al. (2018). Dissecting the subcellular membrane proteome re...
AS12 2119	14-3-3 GRF General regulatory element		Obroucheva (2017). Participation of Plasma Membrane H+-ATPase in Seed Germinat...
AS12 2119	14-3-3 GRF General regulatory element		Barkla et al. (2016). Single-cell-type quantitative proteomic and ionic anal...
AS16 3981	2b protein [Cucumber mosaic virus]		Wu et al. (2020). WUSCHEL triggers innate antiviral immunity in plant stem cel...
AS16 3981	2b protein [Cucumber mosaic virus]		Nemes et al. (2019). Symptom recovery is affected by Cucumber mosaic virus coa...
AS16 3981	2b protein [Cucumber mosaic virus]		Zhang et al (2006). Cucumber mosaic virus-encoded 2b suppressor inhibits Arabi...
AS20 4404	2S3M 2S seed storage protein 3 (2S3 Albumin)	24280388	Takagi et al. (2013). MAIGO5 functions in protein export from Golgi-associated...
AS20 4405	2S3P 2S seed storage protein 3	24363287	Shirakawa et al. (2014). CONTINUOUS VASCULAR RING (COV1) is a trans-Golgi net...
AS20 4405	2S3P 2S seed storage protein 3	17194767	Li et al. (2006). MAIGO2 is involved in exit of seed storage proteins from the...
AS10 706-100	3-nitroY Nitrotyrosine	15246980	Gow et al. (2004). Biological significance of nitric oxide-mediated protein mod...
AS10 706-100	3-nitroY Nitrotyrosine	12009057	Pfister et al. (2002). Inducible nitric oxide synthase and nitrotyrosine in li...
AS10 706-100	3-nitroY Nitrotyrosine	11728809	Girault et al. (2001). Immunodetection of 3-nitrotyrosine in the liver of zymos...
AS10 706-25	3-nitroY Nitrotyrosine (25 µg)	15246980	Gow et al. (2004). Biological significance of nitric oxide-mediated protein mod...
AS10 706-25	3-nitroY Nitrotyrosine (25 µg)	12009057	Pfister et al. (2002). Inducible nitric oxide synthase and nitrotyrosine in li...
AS10 706-25	3-nitroY Nitrotyrosine (25 µg)	11728809	Girault et al. (2001). Immunodetection of 3-nitrotyrosine in the liver of zymos...
AS21 4559	5MeC 5-Methylcytosine (clone 5MC-CD)	17994007	Sharif et al. (2007) The SRA protein Np95 mediates epigenetic inheritance by r...
AS21 4559	5MeC 5-Methylcytosine (clone 5MC-CD)	11983892	Nishiyama et al. (2002) A chloroplast-resident DNA methyltransferase is respon...
AS21 4559	5MeC 5-Methylcytosine (clone 5MC-CD)	2847796	Sano, Imokawa & Sager (1988) Detection of heavy methylation in human repetiti...
AS21 4559	5MeC 5-Methylcytosine (clone 5MC-CD)	6251470	Sano, Royer & Sager (1980) Identification of 5-methylcytosine in DNA fragments...
AS15 2892	7S globulin		Zafra et al. (2018). Histological features of the olive seed and presence of 7...
AS10 708-100	8-Hydroxyguanosine DNA/RNA oxidative damage (clone 15A3)		Poborilova et al. (2015). DNA hypomethylation concomitant with the overproduct...
AS10 708-100	8-Hydroxyguanosine DNA/RNA oxidative damage (clone 15A3)	25892519	Haigh and Drew (2015). Cavitation during the protein misfolding cyclic ampli...
AS10 708-25	8-Hydroxyguanosine DNA/RNA oxidative damage (clone 15A3)		Poborilova et al. (2015). DNA hypomethylation concomitant with the overproduct...
AS10 708-25	8-Hydroxyguanosine DNA/RNA oxidative damage (clone 15A3)	25892519	Haigh and Drew (2015). Cavitation during the protein misfolding cyclic ampli...
AS08 281	95 kDa Lcm (phycobilisome - to- thylakoid core linker with phycocyanobilin chromophore)	16593227	Redlinger & Gantt (1982) A Mr 95,000 polypeptide in Porphyridium cruentum phyc...
AS08 281	95 kDa Lcm (phycobilisome - to- thylakoid core linker with phycocyanobilin chromophore)	16662111	Redlinger & Gantt (1981). Phycobilisome structure of Porphyridium cruentum. Pl...
AS01 015	A1AGP Alpha-1-acid glycoprotein	12817024	Olofsson et al. (2003) Identification and isolaton of dominant sesceptibility ...
AS01 015	A1AGP Alpha-1-acid glycoprotein	12461526	Olofsson et al. (2002) Positional identification of Ncf1 as a gene that regula...
AS07 272	A1i3 alpha-1-inhibitor 3	18686296	Kim et al. (2008) 2-D DIGE and MS/MS analysis of protein serum expression in r...
AS13 2670	A1M Human alpha-1-microglobulin		Rutardottir et al. (2016). The cysteine 34 residue of A1M/alfa1-microglobulin ...
AS13 2670	A1M Human alpha-1-microglobulin		Olsson MG et al. (2013). The radical-binding lipocalin A1M binds to a Complex ...

AS09 580	aadA1 Aminoglycoside adenytransferase (chloroplast transformation marker)	36104783	Wichmann et al. (2022) Farnesyl pyrophosphate compartmentalization in the gree...
AS09 580	aadA1 Aminoglycoside adenytransferase (chloroplast transformation marker)	30017797	Lauersen et a. (2018). Phototrophic production of heterologous diterpenoids an...
AS09 446	ABA Abscisic acid (C1) (for immunolocalization)	32192046	Wojciechowska et al. (2020). Abscisic Acid and Jasmonate Metabolisms Are Joint...
AS09 446	ABA Abscisic acid (C1) (for immunolocalization)	29195232	Dinis et al. (2018). Kaolin modulates ABA and IAA dynamics and physiology of g...
AS09 446	ABA Abscisic acid (C1) (for immunolocalization)	29134282	Kovaleva et al. (2017). ABA and IAA control microsporogenesis in Petunia hybr...
AS09 446	ABA Abscisic acid (C1) (for immunolocalization)	26764270	Escandon et al. (2016). Integrated physiological and hormonal profile of heat-...
AS09 446	ABA Abscisic acid (C1) (for immunolocalization)	26887919	Ondzighi-Assoume et al. (2016). Environmental Nitrate Stimulates Root Tip Absc...
AS09 446	ABA Abscisic acid (C1) (for immunolocalization)		Jesus et al. (2015). Salicylic acid application modulates physiological and ho...
AS09 446	ABA Abscisic acid (C1) (for immunolocalization)	23677119	Lacuesta et al. (2013). Immunolocalization of IAA and ABA in roots and needles...
AS08 328	Abeta (1-42) Amyloid-beta peptide 1-42	21085663	Lindhagen-Persson et al. (2010). Amyloid-Beta oligomer specificity mediated by...
AS12 1861	ABI1 Abscisic acid insensitive 1	26443375	Mitula et al. (2015). Arabidopsis ABA-Activated Kinase MAPKKK18 is Regulated b...
AS12 1871	ABI2 Abscisic acid insensitive 2		Mitula et al. (2015). Arabidopsis ABA-Activated Kinase MAPKKK18 is Regulated b...
AS19 4272	ABI5 Abscisic acid insensitive 5 (anti-protein antibody)		Stone et al. (2006). KEEP ON GOING, a RING E3 ligase essential for Arabidopsis...
AS17 4155	ACA2 Calcium-transporting ATPase 2		Hwang et al. (2000). Calmodulin activation of an endoplasmic reticulum-located...
AS17 4155	ACA2 Calcium-transporting ATPase 2	10631259	Hwang et al. (2000). Calmodulin activation of an endoplasmic reticulum-locate...
AS17 4155	ACA2 Calcium-transporting ATPase 2		Harper et al. (1998). A novel calmodulin-regulated Ca2+-ATPase (ACA2) from Ara...
AS17 4155	ACA2 Calcium-transporting ATPase 2	9422775	Harper et al. (1998). A novel calmodulin-regulated Ca2+-ATPase (ACA2) from Ara...
AS11 1800	ACC 1-Aminocyclopropane-1-carboxylic acid		Wilmowicz et al. (2019). Abscisic acid and ethylene in the control of nodule-s...
AS11 1800	ACC 1-Aminocyclopropane-1-carboxylic acid	29616347	Serova et al. (2018). Early nodule senescence is activated in symbiotic mutant...
AS15 2880	ACCase subunit beta Acetyl-coenzyme A, carboxylase (subunit beta)	30076222	Yu et al. (2018). Starch Deficiency Enhances Lipid Biosynthesis and Turnover i...
AS11 1783	ACD1 Accelerated cell death 1	35202657	Espinoza-Corral & Lundquist. (2022) The plastoglobule-localized protein AtABC1...
AS11 1783	ACD1 Accelerated cell death 1	34607178	Fukura et al. (2021) Enrichment of chlorophyll catabolic enzymes in grana mar...
AS11 1783	ACD1 Accelerated cell death 1	23926065	Kim et al. (2013). Mutation of the Arabidopsis NAC016 Transcription Factor Del...
AS11 1783	ACD1 Accelerated cell death 1	20087600	Nagane et al. (2010). Involvement of AtNAP1 in thre reulation of chlorophyll d...
AS11 1783	ACD1 Accelerated cell death 1	19273468	Hirashima et al. (2009). Light-independent cell death induced by accumulation ...
AS16 3226	Acetylated glucomannan (Clone CCRC-M170)	24297170	Zhang et al. (2014). Understanding how the complex molecular architecture of m...
AS16 3226	Acetylated glucomannan (Clone CCRC-M170)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS10 707-25	Acetylated lysine (25 µl, clone 7F8)	15032670	Vigushin & Coombes (2004). Targeted histone deacetylase inhibition for cancer ...
AS10 707-100	Acetylated Lysine (monoclonal, clone 7F8)	15032670	Vigushin & Coombes (2004). Targeted histone deacetylase inhibition for cancer ...
AS20 4493	Acetylated Mannan (clone CCRC-M169)	25911738	Pattathil et al. (2015). Insights into plant cell wall structure, architecture...
AS09 521	ACO1 Aconitase		Pascual et al. (2021). ACONITASE 3 is part of the ANAC017 transcription factor-...
AS09 521	ACO1 Aconitase	34718778	Przybyla-Toscano et al. (2021) Protein lipoylation in mitochondria requires Fe...
AS09 521	ACO1 Aconitase		Rurek et al. (2018). Mitochondrial Biogenesis in Diverse Cauliflower Cultivars...
AS09 521	ACO1 Aconitase		Setien et al. (2014). Root phosphoenolpyruvate carboxylase and NAD-malic enzym...
AS09 521	ACO1 Aconitase	22551219	Birke et al. (2012). Cysteine biosynthesis, in concert with a novel mechanism...
AS21 4569	ACP3 Activated Caspase 3 (p20/p17 subunit)	12749853	Nishimura et al (2003). Upregulation and antiapoptotic role of endogenous Alzh...
AS21 4569	ACP3 Activated Caspase 3 (p20/p17 subunit)	11840170	Nishimura et al. (2002) Cell death induced by a caspase-cleaved transmembrane ...
AS16 4111	ACT Actin (monoclonal)	34204867	Vitale et al. (2021) Light Spectral Composition Influences Structural and Eco...
AS16 3141	ACT Actin (monoclonal, clone mAbGPα 10-B3)		Sultan et al. (2017). The Reverse Transcriptase/RNA Maturase Protein MatR Is R...
AS16 3141	ACT Actin (monoclonal, clone mAbGPα 10-B3)		Kandasamy, M.K. et al. (2012). Plant vegetative and animal cytoplasmic actins ...
AS13 2640	ACT Actin (polyclonal)	36655421	Seo et al. (2023) ZTL regulates thermomorphogenesis through TOC1 and PRR5 [pub...
AS13 2640	ACT Actin (polyclonal)	35159309	Czernicka et al. (2022). Proteomic Studies of Roots in Hypoxia-Sensitive and -...
AS13 2640	ACT Actin (polyclonal)	35417704	Hacquard et al. (2022) The Arabidopsis F-box protein FBW2 targets AGO1 for deg...
AS13 2640	ACT Actin (polyclonal)	35909792	Lakatos et al. (2022). In Arabidopsis thaliana, RNA-Induced Silencing Complex-...
AS13 2640	ACT Actin (polyclonal)		Molnar et al. (2022) Limited Zn supply affects nutrient distribution, carbon m...
AS13 2640	ACT Actin (polyclonal)	33594440	Iabuz et al. (2021) Phototropin interactions with SUMO proteins. Plant Cell Ph...
AS13 2640	ACT Actin (polyclonal)	33692545	Ngou et al. (2021) Mutual potentiation of plant immunity by cell-surface and i...
AS13 2640	ACT Actin (polyclonal)	34260941	Zhuang et al (2021). EGY3 mediates chloroplastic ROS homeostasis and promotes ...
AS13 2640	ACT Actin (polyclonal)	34459503	Mishra, Sahu & Shaw (2021). Insight into the cellular and physiological regula...
AS13 2640	ACT Actin (polyclonal)	34937558	Kumari et al. (2021) In-depth assembly of organ and development dissected Picr...
AS13 2640	ACT Actin (polyclonal)	32024857	Roustan et al. (2020). Protein sorting into protein bodies during barley endos...
AS13 2640	ACT Actin (polyclonal)	32171133	Molnar et al. (2020). Nitro-oxidative Signalling Induced by Chemically Synthet...
AS13 2640	ACT Actin (polyclonal)	32330839	Khajuria et al. (2020). Photochemical Efficiency Is Negatively Correlated With...

AS13 2640	ACT Actin (polyclonal)		Dalmadi et al. (2019). AGO-unbound cytosolic pool of mature miRNAs in plant ce...
AS13 2640	ACT Actin (polyclonal)		Patankar et al. (2019). Functional Characterization of Date Palm Aquaporin Gen...
AS13 2640	ACT Actin (polyclonal)		Scherer et al. (2019). Pulsed electric field (PEF)-assisted protein recovery f...
AS13 2640	ACT Actin (polyclonal)		Czobor et al. (2019). Comparison of the response of alternative oxidase and un...
AS13 2640	ACT Actin (polyclonal)		Deng et al. (2019). Integrated proteome analyses of wheat glume and awn reveal...
AS13 2640	ACT Actin (polyclonal)		Wang et al. (2018). A role of GUNs-Involved retrograde signaling in regulating...
AS13 2640	ACT Actin (polyclonal)		Borovik and Grabelnych (2018). Mitochondrial alternative cyanide-resistat oxi...
AS13 2640	ACT Actin (polyclonal)		Pan et al. (2018). Comparative proteomic investigation of drought responses in...
AS13 2640	ACT Actin (polyclonal)		Lopez-Calcagno et al. (2018). Overexpressing the H-protein of the glycine clea...
AS13 2640	ACT Actin (polyclonal)		Li et al. (2018). Comparative proteomic analysis of key proteins during abscis...
AS13 2640	ACT Actin (polyclonal)		Adhikari et al. (2018). Sulfate improves cadmium tolerance by limiting cadmium...
AS13 2640	ACT Actin (polyclonal)		Brandt et al. (2018). Extended darkness induces internal turnover of glucosino...
AS13 2640	ACT Actin (polyclonal)	29574486	Zhang et al. (2018) DELLA proteins negatively regulate dark-induced senescence...
AS13 2640	ACT Actin (polyclonal)		Jespersen et al. (2017). Metabolic Effects of Acibenzolar-S-Methyl for Improvi...
AS13 2640	ACT Actin (polyclonal)		Qiu et al. (2015). Soy 14-3-3 protein SGF14c, a new regulator of tolerance to ...
AS13 2640	ACT Actin (polyclonal)		Shaw et al. (2015). Beta-aminobutyric acid mediated drought stress alleviation...
AS13 2640	ACT Actin (polyclonal)		Buxa et al. (2015). Phytoplasma infection in tomato is associated with re-orga...
AS13 2640	ACT Actin (polyclonal)		Zheng et al. (2014). iTRAQ-based quantitative proteomics analysis revealed alt...
AS16 3139	ACT 1,3,4,12 Actin 1, 3, 4, 12 (clone mAB45a (5-15 H7C5))		Kandasamy, M.K. et al. (2012). Plant vegetative and animal cytoplasmic actins ...
AS16 3139	ACT 1,3,4,12 Actin 1, 3, 4, 12 (clone mAB45a (5-15 H7C5))		Kandasamy, M.K. et al. (2001). One plant actin isovariant, ACT7, is induced by...
AS16 3139	ACT 1,3,4,12 Actin 1, 3, 4, 12 (clone mAB45a (5-15 H7C5))		Kandasamy, M.K. et al. (1999). The late pollen-specific actins in angiosperms...
AS16 3140	ACT 2,8,11 Actin 2, 8, 11 (clone mAb13a)		Kandasamy, M.K., et al. (2012). Plant vegetative and animal cytoplasmic actins...
AS16 3140	ACT 2,8,11 Actin 2, 8, 11 (clone mAb13a)		Kandasamy, M.K., et al. (2001). One plant actin isovariant, ACT7, is induced b...
AS16 3140	ACT 2,8,11 Actin 2, 8, 11 (clone mAb13a)		Kandasamy, M.K., et al. (1999). The late pollen-specific actins in angiosperms...
AS11 1739	ADGP ADP-glucose pyrophosphorylase	35115512	Lim et al (2022). Arabidopsis guard cell chloroplasts import cytosolic ATP for...
AS11 1739	ADGP ADP-glucose pyrophosphorylase	33927398	Ma et al. (2021) A plasma membrane transporter coordinates phosphate reallocat...
AS11 1739	ADGP ADP-glucose pyrophosphorylase		Chang et al. (2020). Enhanced lipid productivity in AGP knockout marine microa...
AS11 1739	ADGP ADP-glucose pyrophosphorylase	30911876	Takahashi et al. (2019). Glutelin subtype-dependent protein localization in ri...
AS11 1739	ADGP ADP-glucose pyrophosphorylase	31779140	Ancin et al. (2019). NTRC and Thioredoxin f Overexpression Differentially Indu...
AS11 1739	ADGP ADP-glucose pyrophosphorylase	29692790	Deng et al. (2018). Comparative Proteome Analysis of Wheat Flag Leaves and Dev...
AS11 1739	ADGP ADP-glucose pyrophosphorylase	30104347	Yoshida et al. (2018). Thioredoxin-like2/2-Cys peroxiredoxin redox cascade sup...
AS11 1739	ADGP ADP-glucose pyrophosphorylase	30058028	Zhen et al. (2018). 2D-DIGE comparative proteomic analysis of developing wheat...
AS10 685	ADH Alcohol dehydrogenase (hypoxia marker)	35159309	Czernicka et al. (2022). Proteomic Studies of Roots in Hypoxia-Sensitive and -...
AS10 685	ADH Alcohol dehydrogenase (hypoxia marker)	33028901	Ventura et al. (2020). Arabidopsis phenotyping reveals the importance of alcoh...
AS10 685	ADH Alcohol dehydrogenase (hypoxia marker)	31384925	Gil-Monreal et al. (2019). ERF-VII transcription factors induce ethanol fermen...
AS10 685	ADH Alcohol dehydrogenase (hypoxia marker)	30861072	Bui et al. (2019). Conservation of ethanol fermentation and its regulation in ...
AS10 685	ADH Alcohol dehydrogenase (hypoxia marker)	29626361	De la Rosa et al. (2019). A dicistronic precursor encoding miR398 and the legu...
AS10 685	ADH Alcohol dehydrogenase (hypoxia marker)	25226037	Giuntoli et al. (2014). A trihelix DNA binding protein counterbalances hypoxia...
AS10 748	ADH/ALDH Alcohol/acetaldehyde dehydrogenase (bacterial/algal)	30282032	Kurylo et al. (2018). Endogenous rRNA Sequence Variation Can Regulate Stress R...
AS10 748	ADH/ALDH Alcohol/acetaldehyde dehydrogenase (bacterial/algal)	25876066	Laurenceau et al. (2015). Conserved Streptococcus pneumoniae Spirosomes Sugges...
AS10 748	ADH/ALDH Alcohol/acetaldehyde dehydrogenase (bacterial/algal)	24948831	Kukuczka et al. (2014). Proton Gradient Regulation5-Like1-Mediated Cyclic Elec...
AS16 3155	ADK Adenylate kinase		Tukenmez et al. (2016). Linkage between Fitness of Yeast Cells and Adenylate K...
AS15 2828	Aflatoxin M1, Total IgG (rabbit antibody) 0.5 mg		Indyk et al. (2019). Development and Application of an Optical Biosensor Immun...
AS15 2828	Aflatoxin M1, Total IgG (rabbit antibody) 0.5 mg		Mohamadi Sani et al. (2018). Aflatoxin M1 contamination and antibiotic residue...
AS09 527	AGO1 Argonaute 1	34979922	Delenko et al. (2022) MicroRNA biogenesis and activity in plant cell dediffere...
AS09 527	AGO1 Argonaute 1	35114616	Meng et al. (2022) The novel activity of Argonautes in intron splicing: A tran...
AS09 527	AGO1 Argonaute 1	35639749	Cabezas-Fuster et al. (2022). Missplicing suppressor alleles of Arabidopsis PR...
AS09 527	AGO1 Argonaute 1	35260568	Liang et al. (2022). Arabidopsis RBV is a conserved WD40 repeat protein that p...
AS09 527	AGO1 Argonaute 1	35417704	Hacquard et al. (2022) The Arabidopsis F-box protein FBW2 targets AGO1 for deg...
AS09 527	AGO1 Argonaute 1	34755870	Oliver et al. (2022) The miRNome function transitions from regulating developm...
AS09 527	AGO1 Argonaute 1	35909792	Lakatos et al. (2022). In Arabidopsis thaliana, RNA-Induced Silencing Complex-...
AS09 527	AGO1 Argonaute 1		Dunker, Lederer, and Weiberg. (2021). Plant ARGONAUTE Protein Immunopurificati...
AS09 527	AGO1 Argonaute 1	33783355	Schwenk et al. (2021) Uncovering a novel function of the CCR4-NOT complex in p...

AS09 527	AGO1 Argonaute 1	34152631	Brioudes et al. (2021) HASTY, the Arabidopsis EXPORTIN5 ortholog, regulates ce...
AS09 527	AGO1 Argonaute 1	34614168	Clavel et al. (2021) Atypical molecular features of RNA silencing against the ...
AS09 527	AGO1 Argonaute 1	34812935	Oliver & Martinez. (2021) Accumulation dynamics of ARGONAUTE proteins during m...
AS09 527	AGO1 Argonaute 1	34850097	Dalmadi et al. (2021) Controlled RISC loading efficiency of miR168 defined by...
AS09 527	AGO1 Argonaute 1	31916009	Niedojadlo et al. (2020). Dynamic distribution of ARGONAUTE1 (AGO1) and ARGONA...
AS09 527	AGO1 Argonaute 1	32441255	Dunker et al. (2020). Oomycete small RNAs bind to the plant RNA-induced silenc...
AS09 527	AGO1 Argonaute 1	31562313	You et al. (2019). FIERY1 promotes microRNA accumulation by suppressing rRNA-d...
AS09 527	AGO1 Argonaute 1	31392979	Dalmadi et al. (2019). AGO-unbound cytosolic pool of mature miRNAs in plant ce...
AS09 527	AGO1 Argonaute 1	30701510	Li (2019). The Isolation of Total and Membrane-Bound Polysomes from Arabidopsi...
AS09 527	AGO1 Argonaute 1		Sprunck et al. (2019). Elucidating small RNA pathways in Arabidopsis thaliana ...
AS09 527	AGO1 Argonaute 1	30181559	Chen et al. (2018). Structural and biochemical insights into small RNA 3' end ...
AS09 527	AGO1 Argonaute 1	29398448	Bologna et al. (2018). Nucleo-cytosolic Shuttling of ARGONAUTE1 Prompts a Revi...
AS09 527	AGO1 Argonaute 1	28463111	Zhang et al. (2017). RISC-interacting clearing 3'-5' exoribonucleases (RICEs)...
AS09 527	AGO1 Argonaute 1	28325872	Schalk et al. (2017). Small RNA-mediated repair of UV-induced DNA lesions by t...
AS09 527	AGO1 Argonaute 1	27385819	Dolata et al. (2016). Salt Stress Reveals a New Role for ARGONAUTE1 in miRNA B...
AS09 527	AGO1 Argonaute 1		Pumplin et al. (2016). DNA Methylation Influences the Expression of DICER-LIKE...
AS09 527	AGO1 Argonaute 1	25100851	Minoia et al. (2014). Specific Argonautes Selectively Bind Small RNAs Derived ...
AS09 527	AGO1 Argonaute 1	20173091	Havecker et al. (2010). The Arabidopsis RNA-directed DNA methylation argonautes...
AS15 3071	AGO10 Argonaute 10	34348894	Sun et al. (2021) The epigenetic factor FVE orchestrates cytoplasmic SGS3-DRB4...
AS15 3071	AGO10 Argonaute 10	34812935	Oliver & Martinez. (2021) Accumulation dynamics of ARGONAUTE proteins during m...
AS15 3071	AGO10 Argonaute 10		Sprunck et al. (2019). Elucidating small RNA pathways in Arabidopsis thaliana ...
AS14 2798	AGO1-PIWI (C-terminal)		Speth et al. (2013). RACK1 scaffold proteins influence miRNA abundance in Arab...
AS14 2798	AGO1-PIWI (C-terminal)		McCue et al. (2012). Gene expression and stress response mediated by the epige...
AS14 2798	AGO1-PIWI (C-terminal)		Derrien et al. (2012). Degradation of the antiviral component ARGONAUTE1 by th...
AS13 2682	AGO2 Argonaute 2	35417704	Hacquard et al. (2022) The Arabidopsis F-box protein FBW2 targets AGO1 for deg...
AS13 2682	AGO2 Argonaute 2	34614168	Clavel et al. (2021) Atypical molecular features of RNA silencing against the ...
AS13 2682	AGO2 Argonaute 2	34812935	Oliver & Martinez. (2021) Accumulation dynamics of ARGONAUTE proteins during m...
AS13 2682	AGO2 Argonaute 2		Wang et al. (2019). The PROTEIN PHOSPHATASE4 Complex Promotes Transcription an...
AS13 2682	AGO2 Argonaute 2		Dalmadi et al. (2019). AGO-unbound cytosolic pool of mature miRNAs in plant ce...
AS13 2682	AGO2 Argonaute 2		You et al. (2019). FIERY1 promotes microRNA accumulation by suppressing rRNA-d...
AS14 2799	AGO3-PAZ Argonaute 3 PAZ domain (Chlamydomonas)		Chung et al. (2019) Distinct roles of Argonaute in the green alga Chlamydomona...
AS09 617	AGO4 Argonaute 4	36631970	Yang et al. (2023) Plant-specific histone deacetylases associate with ARGONAUT...
AS09 617	AGO4 Argonaute 4	35417704	Hacquard et al. (2022) The Arabidopsis F-box protein FBW2 targets AGO1 for deg...
AS09 617	AGO4 Argonaute 4	34614168	Clavel et al. (2021) Atypical molecular features of RNA silencing against the ...
AS09 617	AGO4 Argonaute 4	34812935	Oliver & Martinez. (2021) Accumulation dynamics of ARGONAUTE proteins during m...
AS09 617	AGO4 Argonaute 4	31916009	Niedojadlo et al. (2020). Dynamic distribution of ARGONAUTE1 (AGO1) and ARGONA...
AS09 617	AGO4 Argonaute 4		Sprunck et al. (2019). Elucidating small RNA pathways in Arabidopsis thaliana ...
AS09 617	AGO4 Argonaute 4	28569170	Yang et al. (2017). The developmental regulator PKL is required to maintain co...
AS09 617	AGO4 Argonaute 4	27938667	Li et al. (2016). Biogenesis of phased siRNAs on membrane-bound polysomes in A...
AS09 617	AGO4 Argonaute 4	26451488	Zhai et al. (2015). A One Precursor One siRNA Model for Pol IV-Dependent siRNA...
AS09 617	AGO4 Argonaute 4	25420628	Han et al. (2014). SUVVR2 is involved in transcriptional gene silencing by asso...
AS09 617	AGO4 Argonaute 4	23637343	Zhang et al. (2013). DTF1 is a core component of RNA-directed DNA methylation ...
AS09 617	AGO4 Argonaute 4	20173091	Havecker et al. (2010) The RNA-directed DNA methylation Arabidopsis Argonautes...
AS09 617-1mg	AGO4 Argonaute 4 (1 mg)	26451488	Zhai et al. (2015). A One Precursor One siRNA Model for Pol IV-Dependent siRNA...
AS09 617-1mg	AGO4 Argonaute 4 (1 mg)	25420628	Han et al. (2014). SUVVR2 is involved in transcriptional gene silencing by asso...
AS09 617-1mg	AGO4 Argonaute 4 (1 mg)	23637343	Zhang et al. (2013). DTF1 is a core component of RNA-directed DNA methylation ...
AS09 617-1mg	AGO4 Argonaute 4 (1 mg)	20173091	Havecker et al. (2010) The RNA-directed DNA methylation Arabidopsis Argonautes...
AS10 671	AGO5 Argonaute 5	34755870	Oliver et al. (2022) The miRNome function transitions from regulating developm...
AS10 671	AGO5 Argonaute 5	34812935	Oliver & Martinez. (2021) Accumulation dynamics of ARGONAUTE proteins during m...
AS10 672	AGO6 Argonaute 6	34812935	Oliver & Martinez. (2021) Accumulation dynamics of ARGONAUTE proteins during m...
AS10 672	AGO6 Argonaute 6		Sprunck et al. (2019). Elucidating small RNA pathways in Arabidopsis thaliana ...
AS10 672	AGO6 Argonaute 6	20173091	Havecker et al. (2010). The RNA-directed DNA methylation Arabidopsis Argonaute...
AS10 673	AGO9 Argonaute 9	34599277	Hou et al. (2021) High-throughput single-cell transcriptomics reveals the fema...

AS10 673	AGO9 Argonaute 9	34812935	Oliver & Martinez. (2021) Accumulation dynamics of ARGONAUTE proteins during m...
AS10 673	AGO9 Argonaute 9		Sprunck et al. (2019). Elucidating small RNA pathways in Arabidopsis thaliana ...
AS10 673	AGO9 Argonaute 9	28552357	Su et al. (2017). The THO Complex Non-Cell-Autonomously Represses Female Germli...
AS10 673	AGO9 Argonaute 9	20173091	Havecker et al. (2010) The RNA-directed DNA methylation Arabidopsis Argonautes...
AS16 ECL-S-N	Agrisera ECL kit (Bright/SuperBright)	35524766	Perera-Castro et al (2022). Limitations to photosynthesis in bryophytes: certa...
AS16 ECL-N	AgriseraECL Bright		Wieczorek et al. (2019). Contribution of Tomato torrado virus Vp26 coat protei...
AS16 ECL-S	AgriseraECL SuperBright	34204867	Naranjo et al. (2021) NTRC Effects on Non-Photochemical Quenching Depends on P...
AS16 ECL-S	AgriseraECL SuperBright		Ferrero et al. (2019). Class I TCP transcription factors target the gibberelli...
AS16 ECL-S-100	AgriseraECL SuperBright (100 ml)	33092281	Wieczorek et al. (2020) Development of a New Tomato Torrado Virus-Based Vector...
AS16 ECL-S-100	AgriseraECL SuperBright (100 ml)		Fallah et al. (2018). Plasminogen activation is required for the development o...
AS10 1353	A-I apolipoprotein A1	25170076	Teixeira et al. (2014). Definition of human apolipoprotein A-I epitopes recogn...
AS09 463	AKIN β gamma	26662259	Crozet et al. (2016). SUMOylation represses SnRK1 signaling in Arabidopsis. Pl...
AS09 463	AKIN β gamma	25736509	Emanuelle et al. (2015). SnRK1 from Arabidopsis thaliana is an atypical AMPK. ...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	35385724	Jamsheer et al. (2022) A negative feedback loop of TOR signaling balances grow...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	33560419	Sun et al. (2021). Kinase SnRK1.1 Regulates nitrate channel SLAH3 Engaged in N...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	34287990	Gutierrez-Beltran et al. (2021) Tudor staphylococcal nuclease is a docking pla...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	33077877	Belda-Palazon et al. (2020) A dual function of SnRK2 kinases in the regulation...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10		Krasnoperova et al. (2019). Potential Involvement of KIN10 and KIN11 Catalytic...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	30753728	Blanco et al. (2019). Dual and dynamic intracellular localization of Arabidops...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	30078562	Frank et al. (2018). Circadian Entrainment in Arabidopsis by the Sugar-Respons...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	29348240	Pedrotti et al. (2018). Snf1-RELATED KINASE1-Controlled C/S1-bZIP Signaling Ac...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10		Chan et al. (2017). SnRK1 phosphorylation of FUSCA3 positively regulates embry...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	27545962	Nukarinen et al. (2016). Quantitative phosphoproteomics reveals the role of th...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	26662259	Crozet et al. (2016). SUMOylation represses SnRK1 signaling in Arabidopsis. Pl...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	26468507	Castro et al. (2015). SIZ1-Dependent Post-Translational Modification by SUMO M...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	25736509	Emanuelle et al. (2015). SnRK1 from Arabidopsis thaliana is an atypical AMPK. ...
AS10 919	AKIN10 SNF1-related protein kinase catalytic subunit alpha KIN10	24179127	Rodrigues et al. (2013). ABI1 and PP2CA Phosphatases Are Negative Regulators o...
AS10 920	AKIN11 SNF1-related protein kinase catalytic subunit alpha KIN11	34287990	Gutierrez-Beltran et al. (2021) Tudor staphylococcal nuclease is a docking pla...
AS10 920	AKIN11 SNF1-related protein kinase catalytic subunit alpha KIN11	29348240	Pedrotti et al. (2018). Snf1-RELATED KINASE1-Controlled C/S1-bZIP Signaling Ac...
AS10 920	AKIN11 SNF1-related protein kinase catalytic subunit alpha KIN11	25736509	Emanuelle et al. (2015). SnRK1 from Arabidopsis thaliana is an atypical AMPK. ...
AS09 460	AKINB1 SNF1-related protein kinase regulatory subunit beta-1	33077877	Belda-Palazon et al. (2020) A dual function of SnRK2 kinases in the regulation...
AS09 460	AKINB1 SNF1-related protein kinase regulatory subunit beta-1	26662259	Crozet et al. (2016). SUMOylation represses SnRK1 signaling in Arabidopsis. Pl...
AS09 460	AKINB1 SNF1-related protein kinase regulatory subunit beta-1	25736509	Emanuelle et al. (2015). SnRK1 from Arabidopsis thaliana is an atypical AMPK. ...
AS09 462	AKINB2 SNF1-related protein kinase regulatory subunit beta-2	25736509	Emanuelle et al. (2015). SnRK1 from Arabidopsis thaliana is an atypical AMPK. ...
AS09 613	AKING1 SNF1-related protein kinase regulatory subunit gamma 1	26662259	Crozet et al. (2016). SUMOylation represses SnRK1 signaling in Arabidopsis. Pl...
AS09 613	AKING1 SNF1-related protein kinase regulatory subunit gamma 1	25736509	Emanuelle et al. (2015). SnRK1 from Arabidopsis thaliana is an atypical AMPK. ...
AS09 613	AKING1 SNF1-related protein kinase regulatory subunit gamma 1	23551663	Ramon et al. (2013). The hybrid Four-CBS-Domain KINBetay-subunit functions as ...
AS09 516	AKT1 Potassium channel AKT1		Safarian et al. (2015). Lost in traffic? The K+ channel of lily pollen, LilKT...
AS09 516	AKT1 Potassium channel AKT1	19794113	Honsbein et al. (2009). A tripartite SNARE-K+ channel complex mediates in chan...
AS22 4733	Alb3.2 Inner membrane ALBINO3-like protein 2, chloroplastic	16679460	Gohre et al (2006). One of two alb3 proteins is essential for the assembly of ...
AS08 294	ALD Fructose-1,6 bisphosphate aldolase		Wang et al. (2018). iTRAQ-based quantitative proteomics analysis of an immatur...
AS08 294	ALD Fructose-1,6 bisphosphate aldolase	29140297	Kamies et al. (2017). A Proteomic Approach to Investigate the Drought Response...
AS08 294	ALD Fructose-1,6 bisphosphate aldolase	28441533	Foley et al. (2017). A Global View of RNA-Protein Interactions Identifies Post...
AS08 294	ALD Fructose-1,6 bisphosphate aldolase	PMC4977498	Parveen et al. (2016). Chickpea Ferritin CaFer1 Participates in Oxidative Stre...
AS08 294	ALD Fructose-1,6 bisphosphate aldolase	26996203	Yam et al. (2016). Characterization of the Plasmodium Interspersed Repeats (PI...
AS08 294	ALD Fructose-1,6 bisphosphate aldolase	26552588	Dixit (2015). Sulfur alleviates arsenic toxicity by reducing its accumulation ...
AS08 294	ALD Fructose-1,6 bisphosphate aldolase	24892798	Vera-Estrella et al. (2014). Comparative 2D-DIGE analysis of salinity responsi...
AS20 4406	ALEU Thiol protease aleurain	24280388	Takagi et al. et al. (2013). MAIG05 functions in protein export from Golgi-ass...
AS20 4406	ALEU Thiol protease aleurain	6306062	Ueda et al. (2006). AtVAM3 is required for normal specification of idioblasts...
AS10 698	Alkaline lipase (glyoxysomal lipase)	24576760	Patui et al. (2014). Lipase activity and antioxidant capacity in coffee (Coffe...
AS01 014	AMBP Alpha-1-microglobulin	28331063	Wen et al. (2017). MicroRNA-148b regulates megalin expression and is associate...
AS01 014	AMBP Alpha-1-microglobulin	16510766	Ostendorf et al. (2006) Antagonism of PDGF-D by human antibody CR002 prevents ...
AS01 014	AMBP Alpha-1-microglobulin	12204273	Sanchez et al. (2002) Expression of the AMBP gene transcript and its two prote...

AS06 173	AMBP Bikunin (50 µl)	17320766	Olsson et al. (2007) Up-regulation of alpha1-microglobulin by hemoglobin and r...
AS04 040	AMBP Bikunin (mice)	12204273	Sanchez et al. (2002). Expression of the AMBP gene transcript and its two prot...
AS10 712	AMY Alpha-amylase	29495079	Ye et al. (2018). Natural variation in the promoter of rice calcineurin B-like...
AS10 932	Amyloid beta oligomer-specific monoclonal antibody (OMAB)	34789895	Pang et al. (2021) An App knock-in rat model for Alzheimer's disease exhibiting...
AS10 932	Amyloid beta oligomer-specific monoclonal antibody (OMAB)	31991844	Oh et al. (2020). Associative Interactions among Zinc, Apolipoprotein E, and A...
AS10 932	Amyloid beta oligomer-specific monoclonal antibody (OMAB)		Henning-Knechtel et al. (2020). Designed Cell-Penetrating Peptide Inhibitors o...
AS10 932	Amyloid beta oligomer-specific monoclonal antibody (OMAB)	31165579	Zhang et al. (2019). Brains of rhesus monkeys display ABeta deposits and glial...
AS10 932	Amyloid beta oligomer-specific monoclonal antibody (OMAB)	29648815	Kumar et al. (2018). Peptidomimetic-Based Multidomain Targeting Offers Critica...
AS10 932	Amyloid beta oligomer-specific monoclonal antibody (OMAB)	29058422	Kumar et al. (2017). Foldamer-Mediated Structural Rearrangement Attenuates ABe...
AS10 932	Amyloid beta oligomer-specific monoclonal antibody (OMAB)	27714968	Zhao et al. (2016). Anti-amyloidogenic Activity of ABeta42-Binding Peptoid in M...
AS10 932	Amyloid beta oligomer-specific monoclonal antibody (OMAB)		Richman et al. (2013). In Vitro and Mechanistic Studies of an Anti-Amyloidogen...
AS10 932	Amyloid beta oligomer-specific monoclonal antibody (OMAB)	21085663	Lindhagen-Peresson et al. (2010). Amyloid-Beta Oligomer Specificity Mediated by...
AS10 932B	Amyloid beta oligomer-specific monoclonal antibody (OMAB), Biotinylated		Richman et al. (2013). In Vitro and Mechanistic Studies of an Anti-Amyloidogen...
AS10 932B	Amyloid beta oligomer-specific monoclonal antibody (OMAB), Biotinylated	21085663	Lindhagen-Peresson et al. (2010). Amyloid-Beta Oligomer Specificity Mediated by...
AS06 152	AOX1 Algal Alternative oxidase 1		Burlacot et al. (2022) Alternative photosynthesis pathways drive the algal CO2...
AS06 152	AOX1 Algal Alternative oxidase 1	33807496	Gu et al. (2021) A Lipid Bodies-Associated Galactosyl Hydrolase Is Involved in...
AS06 152	AOX1 Algal Alternative oxidase 1	31612858	Periaza et al. (2019). The Mars1 kinase confers photoprotection through signal...
AS06 152	AOX1 Algal Alternative oxidase 1	30510139	Kaye et al. (2019). The mitochondrial alternative oxidase from Chlamydomonas r...
AS06 152	AOX1 Algal Alternative oxidase 1	26492131	Zalutskaya et al. (2015). The Chlamydomonas reinhardtii alternative oxidase 1 ...
AS06 152	AOX1 Algal Alternative oxidase 1	24989042	Dang et al. (2014). Combined Increases in Mitochondrial Cooperation and Oxygen...
AS06 152	AOX1 Algal Alternative oxidase 1		Inman (2013). Characterization of the Alternative Oxidase from the Psychrophil...
AS06 152	AOX1 Algal Alternative oxidase 1		Bohne et al. (2013). Reciprocal Regulation of Protein Synthesis and Carbon Met...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	35031834	Brito et al. (2022) The role of the electron-transfer flavoprotein: ubiquinone...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	35269810	Nguyen et al. (2022). MISF2 Encodes an Essential Mitochondrial Splicing Cofact...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	35574105	Rodrigues et al. (2022) Exploring the Applicability of Calorespirometry to Asse...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2		Pascual et al. (2021). ACONITASE 3 is part of the ANAC017 transcription factor...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2		Challabathula et al. (2021) Differential modulation of photosynthesis, ROS and...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	34919733	Oh et al. (2021) Alternative oxidase (AOX) 1a and 1d limit proline-induced oxi...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	34922341	Pavlovic & Kocab. (2021) Alternative oxidase (AOX) in the carnivorous pitche...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	31928662	Garmash et al. (2020). Altered levels of AOX1a expression result in changes in...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	32218370	Makino et al. (2020). Induction of Terminal Oxidases of Electron Transport Cha...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	32163154	Marchetti et al. (2020). Mitochondrial Pentatricopeptide Repeat Protein, EMB27...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	30472332	Tward et al. (2019). Identification of the alternative oxidase gene and its ex...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	30900791	Rethore et al. (2019). Arabidopsis seedlings display a remarkable resilience u...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2		Luevano-Martínez et al. (2019). Mitochondrial alternative oxidase is determina...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	30668784	Cordoba et al. (2019). Different Types of CA Domains Are Present in Complex I ...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	30629714	Czobor et al. (2019). Comparison of the response of alternative oxidase and un...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	31156689	Kuang et al. (2019). Quantitative Proteome Analysis Reveals Changes in the Pro...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	30151559	Hu et al. (2018). OsNDUFA9 encoding a mitochondrial complex I subunit is essen...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	30368229	Borovik and Grabelnykh (2018). Mitochondrial alternative cyanide-resistant oxi...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	30289493	Umekawa and Ito (2018). Thioredoxin o-mediated reduction of mitochondrial alte...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	30151559	Hu et al. (2018). OsNDUFA9 encoding a mitochondrial complex I subunit is essen...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	29729068	Zhu et al. (2018). Mitochondrial alternative oxidase-dependent autophagy invol...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	28623839	Garmash et al. (2017). Expression profiles of genes for mitochondrial respirat...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	29604396	Vishwakarma et al. (2016). A discrete role for alternative oxidase under hypox...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2		Zhao et al. (2016). Nitrogen deprivation induces cross-tolerance of Poa annua ...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	27541495	Solti et al. (2016). Does a voltage-sensitive outer envelope transport mechani...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	27367609	Zhang et al. (2016). A High Temperature-Dependent Mitochondrial Lipase EXTRA G...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	26975701	Meng et al. (2016). Physiological and proteomic responses to salt stress in ch...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	26901522	Pavlovic et al. (2016). Light-induced gradual activation of photosystem II in ...
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	25307043	Konert et al. (2015). Protein phosphatase 2A (PP2A) regulatory subunit B'γ inte...
AS12 2609	AP2 Floral homeotic protein APETALA 2	34020507	Wang et al. (2021). Brassinosteroids inhibit miRNA-mediated translational repr...
AS08 277	APC allophycocyanin alpha and beta	28668777	Ge et al. (2017). Translating Divergent Environmental Stresses into a Common P...

AS08 277	APC allophycocyanin alpha and beta	28318016	Gandini et al. (2017). The transporter SynPAM71 is located in the plasma membr...
AS08 277	APC allophycocyanin alpha and beta	28351910	Kurkela et al. (2017). Acclimation to High CO2 Requires the ω Subunit of the R...
AS08 277	APC allophycocyanin alpha and beta	24476911	Gunnelius et al. (2014). The omega subunit of the RNA polymerase core directs ...
AS08 277	APC allophycocyanin alpha and beta		Hernandez-Prieto et al. (2011). The small CAB-like proteins of the cyanobacter...
AS08 277	APC allophycocyanin alpha and beta		Gantt & Lipschultz (1974). Phycobilisome structure by immuno-electron microscop...
AS08 277	APC allophycocyanin alpha and beta	4407620	Gantt & Lipschultz (1974). Phycobilisomes of Porphyridium cruentum: Pigment An...
AS21 4571	APP Delta C31 (C-terminal)	12749853	Nishimura et al (2003). Upregulation and antiapoptotic role of endogenous Alzh...
AS21 4571	APP Delta C31 (C-terminal)	11840170	Nishimura et al. (2002) Cell death induced by a caspase-cleaved transmembrane ...
AS21 4570	APP-C31 Caspase 3 cleaved APP, C terminal fragment	11840170	Nishimura et al. (2002) Cell death induced by a caspase-cleaved transmembrane ...
AS08 368	APX L-ascorbate peroxidase		Kucko et al. (2022) The acceleration of yellow lupine flower abscission by jas...
AS08 368	APX L-ascorbate peroxidase	35658042	Wang et al. (2022) Reciprocity between a retrograde signal and a putative meta...
AS08 368	APX L-ascorbate peroxidase		Molnar et al. (2022) Limited Zn supply affects nutrient distribution, carbon m...
AS08 368	APX L-ascorbate peroxidase	35946757	Seiml-Buchinger et al. (2022) Ascorbate peroxidase postcold regulation of chlo...
AS08 368	APX L-ascorbate peroxidase		Fortunato et al. (2022) GUN1 involvement in the redox changes occurring during...
AS08 368	APX L-ascorbate peroxidase	36242617	Borysiuk et al. (2022) Glyoxalase I activity affects Arabidopsis sensitivity t...
AS08 368	APX L-ascorbate peroxidase	36230991	Miernicka et al. (2022) The Adjustment Strategy of Venus Flytrap Photosynthesi...
AS08 368	APX L-ascorbate peroxidase	33445673	Tokarz et al. (2021). Stem Photosynthesis-A Key Element of Grass Pea (Lathyrus...
AS08 368	APX L-ascorbate peroxidase	33518717	Jedelska et al. (2021) Protein S-nitrosation differentially modulates tomato r...
AS08 368	APX L-ascorbate peroxidase	32171133	Molnar et al. (2020). Nitro-oxidative Signalling Induced by Chemically Synthet...
AS08 368	APX L-ascorbate peroxidase	32182862	Tokarz et al. (2020). Can Ceylon Leadwort (Plumbago zeylanica L.) Acclimate t...
AS08 368	APX L-ascorbate peroxidase	30609769	Szymanska et al. (2019). SNF1-Related Protein Kinases SnRK2.4 and SnRK2.10 Mod...
AS08 368	APX L-ascorbate peroxidase	30540969	Deng et al. (2019). Integrated proteome analyses of wheat glume and awn reveal...
AS08 368	APX L-ascorbate peroxidase	31438648	Jedelska et al. (2019). Tomato Root Growth Inhibition by Salinity and Cadmium ...
AS08 368	APX L-ascorbate peroxidase	29609175	Balfagon et al. (2018). Involvement of ascorbate peroxidase and heat shock pro...
AS08 368	APX L-ascorbate peroxidase		Cunha et al. (2016). Salinity and osmotic stress trigger different antioxidant...
AS08 368	APX L-ascorbate peroxidase	27074836	Ko et al. (2016). Constitutive expression of a fungus-inducible carboxylestera...
AS08 368	APX L-ascorbate peroxidase	27124767	Yin et al. (2016). Comprehensive Mitochondrial Metabolic Shift during the Crit...
AS08 368	APX L-ascorbate peroxidase	26841194	Vuleta et al. (2016). Adaptive flexibility of enzymatic antioxidants SOD, APX ...
AS08 368	APX L-ascorbate peroxidase		Hattab et al. (2015). Characterisation of lead-induced stress molecular biomar...
AS08 368	APX L-ascorbate peroxidase	25070267	Parys et al. (2014). Metabolic Responses to Lead of Metallicolous and Nonmetal...
AS08 368	APX L-ascorbate peroxidase	24727655	Feifei et al. (2014). Comparison of Leaf Proteomes of Cassava (Manihot esculen...
AS08 368	APX L-ascorbate peroxidase		Sobrinho-Plata et al. (2014). Glutathione is a key antioxidant metabolite to co...
AS16 3115	Arabinogalactan-2 (clone CCRC-M133)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3115	Arabinogalactan-2 (clone CCRC-M133)	20363856	Pattathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3133	Arabinogalactan-3 (clone CCRC-M85)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3133	Arabinogalactan-3 (clone CCRC-M85)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3133	Arabinogalactan-3 (clone CCRC-M85)	20363856	Pattathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3133	Arabinogalactan-3 (clone CCRC-M85)	20363856	Pattathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3231	Arabinogalactan-4 (clone CCRC-M78)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3231-1ml	Arabinogalactan-4 (clone CCRC-M78)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3231	Arabinogalactan-4 (clone CCRC-M78)	20363856	Pattathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3231-1ml	Arabinogalactan-4 (clone CCRC-M78)	20363856	Pattathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS18 4211	Arabinogalactan-protein, AGP (monoclonal, clone LM2)	21736649	Knox et al.(1991). Developmentally regulated epitopes of cell surface arabino...
AS18 4211-1ml	Arabinogalactan-protein, AGP (monoclonal, clone LM2)	21736649	Knox et al.(1991). Developmentally regulated epitopes of cell surface arabino...
AS18 4211	Arabinogalactan-protein, AGP (monoclonal, clone LM2)	24201958	Stacey et al. (1990). Patterns of expression of the JIM4 arabinogalactan-prote...
AS18 4211-1ml	Arabinogalactan-protein, AGP (monoclonal, clone LM2)	24201958	Stacey et al. (1990). Patterns of expression of the JIM4 arabinogalactan-prote...
AS13 2676	ARCS Dynamamin-like protein ARCS	33629953	Pipitone et al. (2021). A multifaceted analysis reveals two distinct phases of...
AS08 325	ARF1 ADP-ribosylation factor 1		Suanno et al. (2023) Small extracellular vesicles released from germinated kiw...
AS08 325	ARF1 ADP-ribosylation factor 1	35486392	Farago et al. (2022). Small paraquat resistance proteins modulate paraquat and...
AS08 325	ARF1 ADP-ribosylation factor 1	35639954	Chien et al. (2022) Phosphate transporter PHT1;1 is a key determinant of phosph...
AS08 325	ARF1 ADP-ribosylation factor 1	36106415	Brumm, Singh, Kriechbaum, et al. (2022) N-terminal domain of ARF-GEF GNOM prev...
AS08 325	ARF1 ADP-ribosylation factor 1	33734402	Narasimhan et al. (2021) Systematic analysis of specific and nonspecific auxin...
AS08 325	ARF1 ADP-ribosylation factor 1	32358503	Hurny et al. (2020). SYNERGISTIC ON AUXIN AND CYTOKININ 1 Positively Regulates...

AS08 325	ARF1 ADP-ribosylation factor 1	31156689	Kuang et al. (2019). Quantitative Proteome Analysis Reveals Changes in the Pro...
AS08 325	ARF1 ADP-ribosylation factor 1	30439956	Singh et al. (2018). A single class of ARF GTPase activated by several pathway...
AS08 325	ARF1 ADP-ribosylation factor 1		Gonzaga Heredia-Martinez et al. (2018). Chloroplast damage induced by the inhi...
AS08 325	ARF1 ADP-ribosylation factor 1	28977710	Lynch et al. (2017). Multifaceted plant responses to circumvent Phe hyperaccum...
AS08 325	ARF1 ADP-ribosylation factor 1	29044717	Vincent et al. (2017). A genome-scale analysis of mRNAs targeting to plant mit...
AS08 325	ARF1 ADP-ribosylation factor 1	27055010	Ma et al. (2016). Phosphatidylerine Synthase Controls Cell Elongation Espesia...
AS08 325	ARF1 ADP-ribosylation factor 1		Yuzbasioğlu et al. (2016). Functional specialization of Arf paralogs in nodule...
AS08 325	ARF1 ADP-ribosylation factor 1	26208648	Marais et al. (2015). The Qb-SNARE Memb11 interacts specifically with Arf1 in ...
AS08 325	ARF1 ADP-ribosylation factor 1	26013532	Wang et al. (2015). UDP-D-galactose synthesis by UDP-glucose 4-epimerase 4 is ...
AS20 4507	ARP6 Actin-related protein 6 (clone 12A2.A3.C2)	16141450	Deal et al. (2005). The nuclear actin-related protein ARP6 is a pleiotropic de...
AS20 4510	ARP8 Actin-related protein 8, (clone 12F5.D4.C3), C-Terminal	18385164	Kandasamy et al. (2008). ACTIN-RELATED PROTEIN8 encodes an F-box protein local...
AS20 4509	ARP8 Actin-related protein 8, (clone 13F10.A4.G6), N-Terminal	18385164	Kandasamy et al. (2008). ACTIN-RELATED PROTEIN8 encodes an F-box protein local...
AS15 3083	ARSA targeting of tail-anchored proteins		Formigheri et al. (2013). Biogenesis of photosynthetic complexes in the chloro...
AS14 2816	ASH1 Histone-lysine N-methyltransferase ASH1		Kahn et al. (2016). Interdependence of PRC1 and PRC2 for recruitment to Polycy...
AS14 2816	ASH1 Histone-lysine N-methyltransferase ASH1		Lee et al. (2015). Genome-wide activities of Polycomb complexes control pervas...
AS20 4425	ASN Glutamine-dependent asparagine synthetase	28390103	Gaufichon et al. (2017). ASN1-encoded asparagine synthetase in floral organs ...
AS20 4425	ASN Glutamine-dependent asparagine synthetase	22789031	Gaufichon et al. (2013). Arabidopsis thaliana ASN2 encoding asparagine synthe...
AS08 288	ASNA1 Arsenical pump-driving ATPase	18478230	Hemmingsson et al. (2009) ASNA1, an ATPase targeting tail-anchored proteins, r...
AS08 338	ASY1 Asynaptic phenotype protein 1 (monoclonal)	34758083	Lewandowska et al. (2021) The proteome of developing barley anthers during mel...
AS08 338	ASY1 Asynaptic phenotype protein 1 (monoclonal)	31583662	Darrier et al. (2019). Following the Formation of Synaptonemal Complex Formati...
AS13 2719	ASyM Mouse anti-human alpha synuclein N-terminal (clone number 4.2)	34155194	Tanudjojo et al. (2021) Phenotypic manifestation of alfa-synuclein strains der...
AS13 2717	ASyO2 Mouse anti-human alpha-synuclein oligomer-specific (clone number 51.24)		Brannstrom et al. (2014). A Generic Method for Design of Oligomer-Specific Ant...
AS13 2717B	ASyO2-biotinylated Mouse anti-human alpha-synuclein oligomer-specific		Br&auml;nstr&ouml;m et al. (2014). A Generic Method for Design of Oligomer-Sp...
AS13 2718	ASyO5 Mouse anti-human alpha-synuclein oligomer-specific (clone number 2.4)	5269482	Ho et al. (2022). LRRK2 Inhibition Mitigates the Neuroinflammation Caused by T...
AS13 2718	ASyO5 Mouse anti-human alpha-synuclein oligomer-specific (clone number 2.4)	35964686	Etelainen, Kilpelainen, Ignatius, et al. (2022) Removal of proteinase K resist...
AS13 2718	ASyO5 Mouse anti-human alpha-synuclein oligomer-specific (clone number 2.4)	35964686	Etelainen et al. (2022) Removal of proteinase K resistant alfaSyn species does...
AS13 2718	ASyO5 Mouse anti-human alpha-synuclein oligomer-specific (clone number 2.4)	33480104	Limegrover et al. (2021) Sigma-2 receptor antagonists rescue neuronal dysfunct...
AS13 2718	ASyO5 Mouse anti-human alpha-synuclein oligomer-specific (clone number 2.4)	31758049	Kilpelainen et al. (2019). Behavioural and dopaminergic changes in double muta...
AS13 2718	ASyO5 Mouse anti-human alpha-synuclein oligomer-specific (clone number 2.4)		Wu et al. (2017). The critical role of Nramp1 in degrading alfa-synuclein olig...
AS13 2718	ASyO5 Mouse anti-human alpha-synuclein oligomer-specific (clone number 2.4)		Svarcbahs et al. (2016). Inhibition of Prolyl Oligopeptidase Restores Spontane...
AS13 2718	ASyO5 Mouse anti-human alpha-synuclein oligomer-specific (clone number 2.4)		Brannstrom et al. (2014). A Generic Method for Design of Oligomer-Specific Ant...
AS13 2718B	ASyO5-biotinylated Mouse anti-human alpha-synuclein oligomer-specific		Br&auml;nstr&ouml;m et al. (2014). A Generic Method for Design of Oligomer-Sp...
AS09 483	AtCCaP1 vacuolar calcium-binding protein-related	17145720	Ide et al. (2007). Transcriptional Induction of Two Genes for CcAPs, Novel Cyt...
AS19 4278	ATG12b Autophagy-related protein 12b		Chung et al. (2010). ATG8 lipidation and ATG8-mediated autophagy in Arabidopsi...
AS19 4279	ATG13a Autophagy-related protein 13a		Suttangkakul et al. (2011). The ATG1/ATG13 protein kinase complex is both a re...
AS19 4274	ATG1a Serine/threonine-protein kinase ATG1a		Suttangkakul et al. (2011). The ATG1/ATG13 protein kinase complex is both a re...
AS19 4275	ATG3 Autophagy-related protein 3		Phillips et al. (2008). The ATG12-conjugating enzyme ATG10 Is essential for au...
AS15 2831	ATG4 Autophagy protein 4 (algal)		Chen et al. (2016). The role of nitric oxide signalling in response to salt st...
AS15 2831	ATG4 Autophagy protein 4 (algal)		Perez-Perez et al. (2016). Control of Autophagy in Chlamydomonas Is Mediated t...
AS19 4276	ATG5 Autophagy protein 5		Thompson et al. (2005). Autophagic nutrient recycling in Arabidopsis directed ...
AS15 3060	ATG5 Autophagy-related protein 5	30734619	Young et al. (2019). A facile forward-genetic screen for Arabidopsis autophagy...
AS19 4277	ATG7 Autophagy-related protein 7		Doelling et al. (2002). The APG8/12-activating enzyme APG7 is required for pro...
AS14 2769	ATG8 Autophagy-related protein		Zharova et al. (2022) Role of Autophagy in Haematococcus lacustris Cell Growth...
AS14 2769	ATG8 Autophagy-related protein	35669705	Cao et al. (2022) Autophagic pathway contributes to low-nitrogen tolerance by ...
AS14 2769	ATG8 Autophagy-related protein	35878212	Samperna et al (2022). Cyclopaldic Acid, the Main Phytotoxic Metabolite of Dip...
AS14 2769	ATG8 Autophagy-related protein	36513676	Sun et al. (2022) Genome of Paspalum vaginatum and the role of trehalose media...
AS14 2769	ATG8 Autophagy-related protein	33594417	Li et al. (2021) Chloroplast proteotoxic stress-induced autophagy is involved ...
AS14 2769	ATG8 Autophagy-related protein	33662041	Li et al. (2021) The unfolded protein response plays dual roles in rice stripe...
AS14 2769	ATG8 Autophagy-related protein	34657568	Sun et al. (2021) Mechanistic insights into an atypical interaction between AT...
AS14 2769	ATG8 Autophagy-related protein	34970822	Mishra et al. (2021) Interplay between abiotic (drought) and biotic (virus) st...
AS14 2769	ATG8 Autophagy-related protein		De Brasi-Velasco et al. (2021). Autophagy Is Involved in the Viability of Over...
AS14 2769	ATG8 Autophagy-related protein	32905584	Kazibwe et al. (2020). TOR mediates the autophagy response to altered nucleoti...
AS14 2769	ATG8 Autophagy-related protein		Shull et al. (2019). Anatase TiO2 nanoparticles induce autophagy and chloropla...

AS14 2769	ATG8 Autophagy-related protein		Upadhyaya and Jagadeeshwar Rao (2019). Reciprocal regulation of photosynthesis...
AS14 2769	ATG8 Autophagy-related protein		Wojciechowska et al. (2018). Autophagy counteracts instantaneous cell death du...
AS14 2769	ATG8 Autophagy-related protein		Chen et al. (2016). The role of nitric oxide signalling in response to salt st...
AS14 2769	ATG8 Autophagy-related protein		Gorovits et al. (2016). Tomato yellow leaf curl virus confronts host degradati...
AS14 2811	ATG8A-I Autophagy-related protein 8A-I isoforms	35385724	Jamsheer et al. (2022) A negative feedback loop of TOR signaling balances grow...
AS14 2811	ATG8A-I Autophagy-related protein 8A-I isoforms	31036588	Fan et al. (2019). Dual Role for Autophagy in Lipid Metabolism in Arabidopsis...
AS14 2811	ATG8A-I Autophagy-related protein 8A-I isoforms	29079776	Dong et al. (2017). Sulfur availability regulates plant growth via glucose-TOR...
AS08 304	AtpA Alpha subunit of ATP synthase, chloroplastic (plant)	35715975	Harchouni et al. (2022) Guanosine tetraphosphate (ppGpp) accumulation inhibits...
AS08 304	AtpA Alpha subunit of ATP synthase, chloroplastic (plant)	31156689	Kuang et al. (2019). Quantitative Proteome Analysis Reveals Changes in the Pro...
AS08 304	AtpA Alpha subunit of ATP synthase, chloroplastic (plant)	29500749	Pao et al. (2018). Lamelloplasts and minichloroplasts in Begoniaceae: iridesce...
AS08 304	AtpA Alpha subunit of ATP synthase, chloroplastic (plant)	28556250	Zhang et al. (2017). Nitric oxide induces monosaccharide accumulation through ...
AS08 304	AtpA Alpha subunit of ATP synthase, chloroplastic (plant)	29038916	Jeon et al. (2017). Functional characterization of chloroplast-targeted RbgA G...
AS08 304	AtpA Alpha subunit of ATP synthase, chloroplastic (plant)	27789739	Murcha et al. (2016). Plant specific Preprotein and Amino Acid Transporter pro...
AS08 304	AtpA Alpha subunit of ATP synthase, chloroplastic (plant)	25913852	Camejo et al. (2015). Proteomic identification of mitochondrial carbonylated p...
AS08 304	AtpA Alpha subunit of ATP synthase, chloroplastic (plant)	25979464	Yang et al. (2015). Purification and biochemical characterization of the ATP s...
AS08 304	AtpA Alpha subunit of ATP synthase, chloroplastic (plant)	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS03 030	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (chicken antibodies)	35899410	Neusius et al. (2022) Lysine acetylation regulates moonlighting activity of th...
AS03 030	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (chicken antibodies)		Nelson et al. (2019). Protein lysine methylation contributes to modulating the...
AS03 030	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (chicken antibodies)	31409711	Levitani et al. (2019). Structural and functional analyses of photosystem II in...
AS03 030	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (chicken antibodies)	29730309	Gellert et al. (2018). A single point mutation on the cucumber mosaic virus su...
AS03 030	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (chicken antibodies)	21790815	Quesada et al. (2011). Arabidopsis RUGOSA2 encodes an mTERF family member requ...
AS03 030	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (chicken antibodies)		Andersson et al. (2009). Co-localization of P-glycerate kinase, P-ribulokinase...
AS03 030	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (chicken antibodies)		Morash et al. (2007). Macromolecular dynamics of the photosynthetic system ove...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	36378135	von Bismarck, et al. (2023). Light acclimation interacts with thylakoid ion tra...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)		Ripamonti et al. (2022). Silencing of ATP Synthase Beta Impairs Egg Development...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	35115512	Lim et al. (2022). Arabidopsis guard cell chloroplasts import cytosolic ATP for...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)		Burlacot et al. (2022) Alternative photosynthesis pathways drive the algal CO2...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	35738478	Bychkov et al. (2022) The role of PAP4/FSD3 and PAP9/FSD2 in heat stress respo...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	35171295	Gao Y et al. (2022) Chloroplast translational regulation uncovers nonessentia...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	5417702	Li et al. (2022) The CDC48 complex mediates ubiquitin-dependent degradation of...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	35864185	Gruttner et al. (2022) The P-type pentatricopeptide repeat protein DWEOG1 is ...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)		Urban, Rogowski & Romanowska (2022), Crucial role of the PTOX and CET pathways...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	36152752	Bru, Steen, Park, et al. (2022) The major trimeric antenna complexes serve as ...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	36314270	Oliveira Souza et al. (2022) IMC10 and LMF1 mediate mitochondrial morphology t...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	36433995	Baidukova et al. (2022) Gating and ion selectivity of Channelrhodopsins are cr...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	33651838	Maclean et al. (2021) Complexome profile of Toxoplasma gondii mitochondria ide...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	33764540	Curien et al. (2021) Mixotrophic growth of the extremophile galdieria sulphura...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)		Chen, Liu & Liu (2021) Loss-Function of EGY1 Results in Photosynthesis Damage ...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	34580802	Trojak et al. (2021) Effects of partial replacement of red by green light in t...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	34663809	Choi et al. (2021) Augmented CO2 tolerance by expressing a single H+-pump enab...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	34685758	von Bismarck et al. (2021) Light acclimation interacts with thylakoid ion tran...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	34699573	Tanno et al. (2021) The four-celled Volvocales green alga Tetrabaena socialis ...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	34632500	Mazur et al. (2021) The SnRK2.10 kinase mitigates the adverse effects of salin...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	31892379	Mares et al. (2020). Hydrosoluble phyloplane components of Theobroma cacao mo...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)		Pattanaik et al. (2020). Introduction of a green algal squalene synthase enhan...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	32401787	Picariello et al. (2020). TIM, a Targeted Insertional Mutagenesis Method Utili...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	31405963	Gabilly et al. (2019). Regulation of photoprotection gene expression in Chlamy...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	30663054	Voita and Fulgosi (2019). Topology of TROL protein in thylakoid membranes of A...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	30787178	Roth et al. (2019). Regulation of Oxygenic Photosynthesis during Tropic Trans...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	30598533	Aihara et al. (2019). Algal photoprotection is regulated by the E3 ligase CUL4...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	29997239	Kong et al. (2018) Interorganelle Communication: Peroxisomal MALATE DEHYDROGEN...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	28744300	Jespersen et al. (2017). Metabolic Effects of Acibenzolar-S-Methyl for Improvi...
AS05 085	AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	28180288	Schottler et al. (2017). The plastid-encoded Psal subunit stabilizes photosyst...

AS05 085	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	25617518	Rurek et al. (2015). Biogenesis of mitochondria in cauliflower (Brassica oleracea) ...
AS05 085	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS05 085	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	25359543	Eom et al. (2014). Bacillus subtilis HJ18-4 from Traditional Fermented Soybean ...
AS05 085	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	24043709	Lintala et al. (2013). Arabidopsis tic62 trol mutant lacking thylakoid bound f...
AS05 085	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)		Teng et al. (2013). Mitochondrial Genes of Dinoflagellates Are Transcribed by ...
AS05 085	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	23521393	Rasala et al. (2013). Expanding the spectral palette of fluorescent proteins f...
AS05 085	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies)	23303190	Heinrickel et al. (2013). Novel thylakoid membrane greencut protein cpld38 imp...
AS05 085-10	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit) (10 µl)		Song et al (2022) Isolation of intact and active FoF1 ATP synthase using a FLA...
AS05 085-10	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit) (10 µl)	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS05 085-10	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit) (10 µl)	30598533	Aihara et al. (2019). Algal photoprotection is regulated by the E3 ligase CUL4...
AS05 085-10	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit) (10 µl)	28744300	Jespersen et al. (2017). Metabolic Effects of Acibenzolar-S-Methyl for Improvi...
AS05 085-10	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit) (10 µl)	25617518	Rurek et al. (2015). Biogenesis of mitochondria in cauliflower (Brassica oleracea) ...
AS05 085-10	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit) (10 µl)	25359543	Eom et al. (2014). Bacillus subtilis HJ18-4 from Traditional Fermented Soybean ...
AS05 085-10	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit) (10 µl)	24043709	Lintala et al. (2013). Arabidopsis tic62 trol mutant lacking thylakoid bound f...
AS05 085-10	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit) (10 µl)		Teng et al. (2013). Mitochondrial Genes of Dinoflagellates Are Transcribed by ...
AS05 085-10	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit) (10 µl)	23521393	Rasala et al. (2013). Expanding the spectral palette of fluorescent proteins f...
AS05 085-10	AtpB	Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit) (10 µl)	23303190	Heinrickel et al. (2013). Novel thylakoid membrane greencut protein cpld38 imp...
AS16 3976	AtpB	Beta subunit of ATP synthase, mitochondrial		Wei et al. (2019). Arabidopsis mtHSC70-1 plays important roles in the establi...
AS03 030S	AtpB	Positive control/quantitation standard		Fraser et al. (2013). Photophysiological and Photosynthetic Complex Changes du...
AS08 312	AtpC	Gamma subunit of ATP synthase (chloroplastic)	33629953	Pipitone et al. (2021). A multifaceted analysis reveals two distinct phases of...
AS08 312	AtpC	Gamma subunit of ATP synthase (chloroplastic)		Storti et al. (2020). The activity of chloroplast NADH dehydrogenase-like comp...
AS08 312	AtpC	Gamma subunit of ATP synthase (chloroplastic)	31240258	Pralon et al. (2019). Plastoquinone homeostasis by Arabidopsis proton gradien...
AS08 312	AtpC	Gamma subunit of ATP synthase (chloroplastic)	30886426	Li et al. (2019). A genome-wide algal mutant library and functional screen ide...
AS08 312	AtpC	Gamma subunit of ATP synthase (chloroplastic)	30496624	Storti et al. (2018). Role of cyclic and pseudo-cyclic electron transport in r...
AS08 312	AtpC	Gamma subunit of ATP synthase (chloroplastic)	30409856	Schmid et al. (2018). PUMPKIN, the sole Plastid UMP Kinase, Associates with Gr...
AS08 312	AtpC	Gamma subunit of ATP synthase (chloroplastic)		Nikkanen et al. (2018). Regulation of chloroplast NADH dehydrogenase-like comp...
AS08 312	AtpC	Gamma subunit of ATP synthase (chloroplastic)	29880711	Liang et al. (2018). Thylakoid-Bound Polysomes and a Dynamin-Related Protein, ...
AS08 312	AtpC	Gamma subunit of ATP synthase (chloroplastic)	26831830	Nikkanen et al. (2016). Crosstalk between chloroplast thioredoxin systems in r...
AS08 312	AtpC	Gamma subunit of ATP synthase (chloroplastic)	26476233	Naranjo et al. (2015). The chloroplast NADPH thioredoxin reductase C, NTRC, co...
AS08 312	AtpC	Gamma subunit of ATP synthase (chloroplastic)	22922640	Dwyer et al. (2012). Antisense reductions in the PsbO protein of photosystem I...
AS10 931	AtPCaP1	Arabidopsis thaliana plasma membrane cation-binding protein-1	18397324	Nagasaki et al. (2008) A hydrophilic cation-binding protein of Arabidopsis tha...
AS10 931	AtPCaP1	Arabidopsis thaliana plasma membrane cation-binding protein-1	17264065	Ide et al. (2007) Molecular properties of a novel, hydrophilic cation-binding ...
AS10 1591	AtpD	CF1 delta subunit of ATP synthase	30039535	Blair et al. (2018). The Helicobacter pylori cell shape promoting protein Csd5...
AS10 1591	AtpD	CF1 delta subunit of ATP synthase	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS10 1590	AtpD	CF1 delta subunit of ATP synthase (affinity purified)		Perlaza (2021). Organelle Size and Quality Control in Chlamydomonas Reinhardtii...
AS10 1590	AtpD	CF1 delta subunit of ATP synthase (affinity purified)	31612858	Perlaza et al. (2019). The Mars1 kinase confers photoprotection through signal...
AS10 1604	AtpF	CF0I subunit of ATP synthase	35916195	Lempiainen et al. (2022) Plants acclimate to Photosystem I photoinhibition by ...
AS10 1604	AtpF	CF0I subunit of ATP synthase	32041909	Galvis et al. (2020). H+ transport by K+ EXCHANGE ANTIporter3 promotes photosy...
AS10 1604	AtpF	CF0I subunit of ATP synthase	30312499	Koochak et al. (2019). The structural and functional domains of plant thylakoi...
AS10 1604	AtpF	CF0I subunit of ATP synthase	30606779	Lv et al. (2019). Uncoupled Expression of Nuclear and Plastid Photosynthesis-A...
AS10 1604	AtpF	CF0I subunit of ATP synthase	30295873	Gao et al. (2018). A supercomplex, approximately 720 kDa and composed of both ...
AS10 1604	AtpF	CF0I subunit of ATP synthase	30312499	Koochak et al. (2018). The structural and functional domains of plant thylakoi...
AS10 1604	AtpF	CF0I subunit of ATP synthase		Rantala and Tikkanen et al. (2018). Phosphorylation-induced lateral rearrangem...
AS10 1604	AtpF	CF0I subunit of ATP synthase	25843550	Grieco et al. (2015). Light-harvesting II antenna trimers connect energetical...
AS10 1604	AtpF	CF0I subunit of ATP synthase	25585673	Yap et al. (2015). AEF1/MRP25 is implicated in RNA editing of plastid atpF and...
AS10 1604	AtpF	CF0I subunit of ATP synthase	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS09 591	AtpH	ATP synthase subunit c (chloroplastic)	35904136	Ermakova et al. (2022) Enhanced abundance and activity of the chloroplast ATP ...
AS09 591	AtpH	ATP synthase subunit c (chloroplastic)	28283532	Schulz et al. (2017). Molecular architecture of the N-type ATPase rotor ring f...
AS05 071	AtpH	ATP synthase subunit c (chloroplastic)	27784767	Nath et al. (2016). A Nitrogen-Fixing Subunit Essential for Accumulating 4Fe-4...
AS05 071	AtpH	ATP synthase subunit c (chloroplastic)	21040791	Lawrence et al. (2010). Recombinant production and purification of the subunit...
AS10 1583	AtpI	CFoIV subunit of ATP synthase	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS12 1858	BAK1	Brassinosteroid insensitive 1-associated receptor kinase 1	36650156	Ormancey et al. (2023) Complementary peptides represent a credible alternative...
AS12 1858	BAK1	Brassinosteroid insensitive 1-associated receptor kinase 1	36633200	Bao (2023) A pair of G-type lectin receptor-like kinases modulates nlp20-media...

AS12 1858	BAK1 Brassinosteroid insensitive 1-associated receptor kinase 1	35087541	Xu et al. (2022) The Phloem Intercalated With Xylem-Related 3 Receptor-Like...
AS12 1858	BAK1 Brassinosteroid insensitive 1-associated receptor kinase 1	35614138	Kalischuk et al. (2022) Amplification of cell signaling and disease resistance...
AS12 1858	BAK1 Brassinosteroid insensitive 1-associated receptor kinase 1	36257318	Yang, Kim, Cevik, et al. (2022) Allelic variation in the Arabidopsis TNL CHS3/...
AS12 1858	BAK1 Brassinosteroid insensitive 1-associated receptor kinase 1		Katarzyna Parys et al (2021) Signatures of antagonistic pleiotropy in a bacter...
AS12 1858	BAK1 Brassinosteroid insensitive 1-associated receptor kinase 1	30552820	Zhang et al. (2019). An important role of L-fucose biosynthesis and protein f...
AS12 1858	BAK1 Brassinosteroid insensitive 1-associated receptor kinase 1	29581511	Hu et al. (2018). A group of receptor kinases are essential for CLAVATA signal...
AS12 1858	BAK1 Brassinosteroid insensitive 1-associated receptor kinase 1		Bundy et al. (2016). A mutation in the catalytic subunit of the glycosylphosph...
AS12 1858	BAK1 Brassinosteroid insensitive 1-associated receptor kinase 1	25315322	Tateda et al. (2014). Salicylic Acid Regulates Arabidopsis Microbial Pattern R...
AS09 380	BAM Beta-amylase, Biotin conjugated		Usuldin et al. (2017). Molecular investigation of carrageenan production in Ka...
AS21 4556	Beta Tubulin (Schizosaccharomyces pombe)	19330768	Fedyanina et al. (2009) Tubulin heterodimers remain functional for one cell cy...
AS19 4321	BetaCA1 Beta carbonic anhydrase 1 (chloroplastic)		DiMario et al. (2016). The Cytoplasmic Carbonic Anhydrases BetaCA2 and BetaCA4...
AS11 1737	Beta-CA1, beta-CA2 carbonic anhydrase mitochondrial Chlamydomonas		Burlacot et al. (2022) Alternative photosynthesis pathways drive the algal CO2...
AS11 1737	Beta-CA1, beta-CA2 carbonic anhydrase mitochondrial Chlamydomonas	30306890	Kuken et al. (2018). Effects of microcompartmentation on flux distribution and...
AS11 1737	Beta-CA1, beta-CA2 carbonic anhydrase mitochondrial Chlamydomonas	26644506	Muranaka et al. (2015). TEF30 interacts with photosystem II monomers and is in...
AS11 1737	Beta-CA1, beta-CA2 carbonic anhydrase mitochondrial Chlamydomonas	24590314	Tirumani et al. (2014). Regulation of CCM genes in Chlamydomonas reinhardtii d...
AS11 1737	Beta-CA1, beta-CA2 carbonic anhydrase mitochondrial Chlamydomonas		Renberg et al. (2010). A Metabolomic Approach to Study Major Metabolite Change...
AS20 4419	BG1 Beta-glucosidase 1	19147648	Ogasawara et al. (2009). Constitutive and inducible ER bodies of Arabidopsis ...
AS16 4030	BIK1 Botrytis-induced kinase 1	33692545	Ngou et al. (2021) Mutual potentiation of plant immunity by cell-surface and i...
AS16 4030	BIK1 Botrytis-induced kinase 1	34918346	Wang et al. (2021) Arabidopsis PUB2 and PUB4 connect signaling components of p...
AS16 3203	BIN2 Brassinosteroid insensitive 2	36648110	Hu et al. (2023) Spatiotemporal formation of the large vacuole regulated by th...
AS09 614	BiP Lumenal-binding protein (chicken antibody)	31156689	Kuang et al. (2019). Quantitative Proteome Analysis Reveals Changes in the Pro...
AS09 614	BiP Lumenal-binding protein (chicken antibody)	25900983	Heard et al. (2015). Identification of Regulatory and Cargo Proteins of Endoso...
AS09 614	BiP Lumenal-binding protein (chicken antibody)	25448003	Bennett et al. (2014). Plasma Membrane-Targeted PIN Proteins Drive Shoot Devel...
AS09 615	BiP Lumenal-binding protein (goat antibody)	26750751	Narusaka et al (2016). Leucine zipper motif in RRS1 is crucial for the regulat...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	36341575	Guo, Zhang, Wang, et al. (2023) Cold-induced calreticulin OsCRT3 conformation...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	35348763	Baena et al. (2022) SNARE SYP132 mediates divergent traffic of plasma membrane...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	35417704	Hacquard et al. (2022) The Arabidopsis F-box protein FBW2 targets AGO1 for deg...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	36242043	Jiang et al. (2022) CEF3 is involved in membrane trafficking and essential for...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	33807496	Gu et al. (2021) A Lipid Bodies-Associated Galactosyl Hydrolase Is Involved in...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	34515300	Dittmer, Kleine, & Schwenkert. (2021) The TPR- and J-domain-containing protein...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	34831098	Shteinberg et al. (2021) Tomato Yellow Leaf Curl Virus (TYLCV) Promotes Plant ...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	34970822	Mishra et al. (2021) Interplay between abiotic (drought) and biotic (virus) st...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	34830250	Skalicky et al. (2021) Auxin Metabolite Profiling in Isolated and Intact Plant...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	31919298	Yang et al. (2020). PROTEIN PHOSPHATASE 95 Regulates Phosphate Homeostasis by ...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	31910336	Jang et al. (2020). 1Molecules and CellsCrABCA2 Facilitates Triacylglycerol Ac...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	31892379	Mares et al. (2020). Hydrosoluble phyloplane components of Theobroma cacao mo...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	32358503	Hurny et al. (2020). SYNERGISTIC ON AUXIN AND CYTOKININ 1 Positively Regulates...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	31392979	Dalmadi et al. (2019). AGO-unbound cytosolic pool of mature miRNAs in plant ce...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)		Feng et al. (2019). Analyses of transgenic fibroblast growth factor 21 mature ...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	30886126	Zhang et al. (2019) Arabinosyl Deacetylase Modulates the Arabinoxylan Acetylat...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	30368491	Bastiaan-Net et al. (2018). IgE Cross-Reactivity of Cashew Nut Allergens. Int ...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	30446614	Wang et al. (2018). Resistance protein Pit interacts with the GEF OsSPK1 to ac...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	30157181	Perti-Obermeyer et al. (2018). Dissecting the subcellular membrane proteome re...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	30154314	Qiao et al. (2018). Two Crinivirus-Conserved Small Proteins, P5 and P9, Are In...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	28818052	Mares et al. (2017). Proteomic analysis during of spore germination of Monilio...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	29294075	Gelova et al. (2017). Antibody-mediated modulation of cytokinins in tobacco: o...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	28784794	Nagel et al. (2017). Arabidopsis SH3P2 is an ubiquitin-binding protein that fu...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)		Lomin et al. (2017). Studies of cytokinin receptor-phosphotransmitter interact...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	28260782	Zhang et al. (2017). Control of secondary cell wall patterning involves xylan ...
AS09 481	BiP Lumenal-binding protein (rabbit antibody)	27182966	Je et al. (2016). Signaling from maize organ primordia via FASCIATED EAR3 regu...
AS16 4029	Bisphenol A (rabbit polyclonal)		Dzantiev et al. (2019). Lateral flow immunoassay for bisphenol A: Development ...
AS08 279	b-PE Phycocyanobilin		Usuldin et al. (2017). Molecular investigation of carrageenan production in Ka...
AS08 279	b-PE Phycocyanobilin	4407620	Gantt & Lipschultz (1974). Phycobilisomes of Porphyridium cruentum: Pigment A...

AS08 280	B-PE phycoerythrobilin and phycourobilin	4407620	Gantt & Lipschultz (1974). Phycobilisomes of Porphyridium cruentum: Pigment A...
AS12 1859	BRI1 Brassinosteroid insensitive 1	35166439	Luo, Takagi, Claus LAN, et al. (2023) Deubiquitinating enzymes UBP12 and UBP13...
AS12 1859	BRI1 Brassinosteroid insensitive 1	36650156	Ormancey et al. (2023) Complementary peptides represent a credible alternative...
AS12 1859	BRI1 Brassinosteroid insensitive 1	34234144	Lee et al (2021). Chaperone-like protein DAY plays critical roles in photomorp...
AS12 1859	BRI1 Brassinosteroid insensitive 1	31164898	Hou et al. (2019). Less Conserved LRRs Is Important for BRI1 Folding. Front Pl...
AS12 1859	BRI1 Brassinosteroid insensitive 1	31229643	Chen et al. (2019). BZR1 Family Transcription Factors Function Redundantly and...
AS12 1859	BRI1 Brassinosteroid insensitive 1	31519953	Chen et al. (2019). BES1 is activated by EMS1-TPD1-SERK1/2-mediated signaling ...
AS09 486	Ca2+-ATPase Calmodulin-stimulated calcium-ATPase		Siddiqui et al. (2020). Melatonin and calcium function synergistically to prom...
AS05 073	CAH3 Carbonic anhydrase		Burlacot et al. (2022) Alternative photosynthesis pathways drive the algal CO2...
AS05 073	CAH3 Carbonic anhydrase		Shukshina & Terentyev (2021) Involvement of Carbonic Anhydrase CAH3 in the Stru...
AS05 073	CAH3 Carbonic anhydrase	32423065	Terentyev (2020: The Main Structural and Functional Characteristics of Photosy...
AS05 073	CAH3 Carbonic anhydrase	31226314	Terentyev et al. (2019). Carbonic anhydrase CAH3 supports the activity of phot...
AS05 073	CAH3 Carbonic anhydrase	27358399	Correa-Galvis et al. (2016). Photosystem II Subunit PsbS Is Involved in the In...
AS05 073	CAH3 Carbonic anhydrase	25106822	Mitchell et al. (2014). Dynamics of carbon concentrating mechanism induction a...
AS05 073	CAH3 Carbonic anhydrase	24590314	Tirumani et al. (2014). Regulation of CCM genes in Chlamydomonas reinhardtii d...
AS05 073	CAH3 Carbonic anhydrase	18239688	Shutova et al. (2008). The photosystem II-associated Cah3 in Chlamydomonas enh...
AS19 4322	CAH6 Carbonic anhydrase 6		Mackinder et al. (2017). A Spatial Interactome Reveals the Protein Organizatio...
AS19 4322	CAH6 Carbonic anhydrase 6		Mitra et al. (2004). Identification of a new chloroplast carbonic anhydrase i...
AS13 2701	Capsaicin receptor	30374154	Jones et al. (2018). Development and validation of an in vitro model system to...
AS06 180	cAPX Ascorbate peroxidase (cytosolic) (plant)	30821322	Bègue et al. (2019). CDC48 regulates ascorbate peroxidase in tobacco. J Exp Bo...
AS06 180	cAPX Ascorbate peroxidase (cytosolic) (plant)	30446614	Wang et al. (2018). Resistance protein Pit interacts with the GEF OsSPK1 to ac...
AS06 180	cAPX Ascorbate peroxidase (cytosolic) (plant)	29957573	Balazova et al. (2018). Zinc oxide nanoparticles phytotoxicity on halophyte fr...
AS06 180	cAPX Ascorbate peroxidase (cytosolic) (plant)		Adhikari et al. (2018). Sulfate improves cadmium tolerance by limiting cadmium...
AS06 180	cAPX Ascorbate peroxidase (cytosolic) (plant)		Ferrer et al. (2018). Differential Pb tolerance in metallicolous and non-metal...
AS06 180	cAPX Ascorbate peroxidase (cytosolic) (plant)		Aroca et al. (2015). S-sulfhydration: a new post-translational modification in...
AS06 180	cAPX Ascorbate peroxidase (cytosolic) (plant)	24764137	Terrile et al. (2014). Nitric oxide-mediated cell death is triggered by chitos...
AS06 180	cAPX Ascorbate peroxidase (cytosolic) (plant)		Tsaniklidis et al. (2013). L-Ascorbic acid metabolism in parthenocarpic and se...
AS15 2991	Cat Catalase (algal)	31958684	Ameri et al. (2020). Aluminium triggers oxidative stress and antioxidant respo...
AS15 2991	Cat Catalase (algal)		Kong et al. (2018) Interorganelle Communication: Peroxisomal MALATE DEHYDROGEN...
AS09 501	Cat Catalase (peroxisomal marker)	36679118	Cembrowska-Lech, Rybak (2023) Nanoprimering of Barley Seeds-A Shotgun Approach t...
AS09 501	Cat Catalase (peroxisomal marker)	35832005	Vinegra de la Torre et al. (2022). FLOWERING REPRESSOR AAA+ ATPase 1 is a nove...
AS09 501	Cat Catalase (peroxisomal marker)		Fortunato et al. (2022) GUN1 involvement in the redox changes occurring during...
AS09 501	Cat Catalase (peroxisomal marker)	33445673	Tokarz et al. (2021). Stem Photosynthesis-A Key Element of Grass Pea (Lathyrus...
AS09 501	Cat Catalase (peroxisomal marker)	33518707	Li et al. (2021) Isolation and comparative proteomic analysis of mitochondria...
AS09 501	Cat Catalase (peroxisomal marker)		Wilmowicz et al (2021) EPIP-Evoked Modifications of Redox, Lipid, and Pectin H...
AS09 501	Cat Catalase (peroxisomal marker)		Bapatla et al. (2021). Modulation of Photorespiratory Enzymes by Oxidative and...
AS09 501	Cat Catalase (peroxisomal marker)	34937558	Adamiec et al. (2021). Fatty acid composition and cpDNA content in Arabidopsis...
AS09 501	Cat Catalase (peroxisomal marker)	31892379	Mares et al. (2020). Hydrosoluble phyloplane components of Theobroma cacao mo...
AS09 501	Cat Catalase (peroxisomal marker)		Rodriguez et al. (2020). Autophagy mediates temporary reprogramming and defiff...
AS09 501	Cat Catalase (peroxisomal marker)	32057155	Boussardon et al. (2020). Tissue-specific Isolation of Arabidopsis/plant Mitoc...
AS09 501	Cat Catalase (peroxisomal marker)	32182862	Tokarz et al. (2020). Can Ceylon Leadwort (Plumbago zeylanica L.) Acclimate t...
AS09 501	Cat Catalase (peroxisomal marker)		Santos et al.(2020). Diversity of banana diploid hybrids: An assessment based ...
AS09 501	Cat Catalase (peroxisomal marker)	31152467	Calero-Munoz et al. (2019). Cadmium induces ROS-dependent pexophagy in Arabido...
AS09 501	Cat Catalase (peroxisomal marker)	30609769	Szymanska et al. (2019). SNF1-Related Protein Kinases SnRK2.4 and SnRK2.10 Mod...
AS09 501	Cat Catalase (peroxisomal marker)	31152467	Calero-Munoz et al. (2019). Cadmium induces reactive oxygen species-dependent ...
AS09 501	Cat Catalase (peroxisomal marker)	29784767	Bastow et al. (2018). Vacuolar Iron Stores Gated by NRAMP3 and NRAMP4 Are the ...
AS09 501	Cat Catalase (peroxisomal marker)	30497407	Pan et al. (2018). Comparative proteomic investigation of drought responses in...
AS09 501	Cat Catalase (peroxisomal marker)	29575603	Su et al. (2018). The Arabidopsis catalase triple mutant reveals important rol...
AS09 501	Cat Catalase (peroxisomal marker)	29350244	Kang et al. (2018). Autophagy-related (ATG) 11, ATG9 and the phosphatidylinosi...
AS09 501	Cat Catalase (peroxisomal marker)	28818052	Mares et al. (2017). Proteomic analysis during of spore germination of Monilio...
AS09 501	Cat Catalase (peroxisomal marker)	27760804	Sultan et al. (2017). The Reverse Transcriptase/RNA Maturase Protein MatR Is R...
AS09 501	Cat Catalase (peroxisomal marker)	28427325	Zhang et al. (2017). Global analysis of protein lysine succinylation profiles ...
AS09 501	Cat Catalase (peroxisomal marker)	28724723	Kneeshaw et al. (2017). Nucleoredoxin guards against oxidative stress by prote...

AS09 501	Cat Catalase (peroxisomal marker)	28389868	Dauphinee et al. (2017). Remodelling of lace plant leaves: antioxidants and RO...
AS09 501	Cat Catalase (peroxisomal marker)	27124767	Yin et al. (2016). Comprehensive Mitochondrial Metabolic Shift during the Crit...
AS09 501	Cat Catalase (peroxisomal marker)		Lee et al. (2016). Superoxide serves as a putative signal molecule for plant c...
AS09 530	CBP20 nuclear cap-binding protein subunit 2	29755485	Pieczynski et al. (2018). A Role of U12 Intron in Proper Pre-mRNA Splicing of ...
AS09 530	CBP20 nuclear cap-binding protein subunit 2	24137006	Raczynska et al. (2013). TheSERRATEprotein isinvolved inalternativesplicing in...
AS09 531	CBP80 nuclear cap-binding protein subunit 1	30309899	de Francisco Amorim et al. (2018). The U1 snRNP Subunit LUC7 Modulates Plant D...
AS09 531	CBP80 nuclear cap-binding protein subunit 1	28441533	Foley et al. (2017). A Global View of RNA-Protein Interactions Identifies Post...
AS09 531	CBP80 nuclear cap-binding protein subunit 1	24137006	Raczynska et al. (2013). TheSERRATEprotein isinvolved inalternativesplicing in...
AS13 2659	CCA1 Circadian clock associated 1		Hung er al. (2018). The Arabidopsis LDL1/2-HDA6 histone modification complex i...
AS06 153	CDC2 Cell-division-cycle kinase 2		Cui, Liu, Li, et al. (2022) The cellulose--lignin balance affects the twisted ...
AS06 153	CDC2 Cell-division-cycle kinase 2		Syu et al. (2014). Impacts of size and shape of silver nanoparticles on Arabid...
AS06 179	CDJ1 chloroplast DnaJ homolog 1	18931144	Willmund et al (2008).&nbsp;The chloroplast DnaJ homolog CDJ1 of Chlamydomonas...
AS13 2754	CDPK Calcium-dependent protein kinase isoforms (1,2,3,4,7,8,10,11,14,20,25,30,32)		Siddiqui et al. (2020). Melatonin and calcium function synergistically to prom...
AS13 2754	CDPK Calcium-dependent protein kinase isoforms (1,2,3,4,7,8,10,11,14,20,25,30,32)	27826303	Ciesla et al. (2016) A Role for Barley Calcium-Dependent Protein Kinase CPK2a ...
AS16 4037	CERK1 Chitin elicitor receptor kinase 1	33692545	Ngou et al. (2021) Mutual potentiation of plant immunity by cell-surface and i...
AS16 4037	CERK1 Chitin elicitor receptor kinase 1	34918346	Wang et al. (2021) Arabidopsis PUB2 and PUB4 connect signaling components of p...
AS12 2582	CesA4 (IRX5) Cellulose synthase A catalytic subunit 4 [UDP-forming]	5289007	Nibbering et al. (2022). CAGEs are Golgi-localized GT31 enzymes involved in ce...
AS12 2582	CesA4 (IRX5) Cellulose synthase A catalytic subunit 4 [UDP-forming]		Otulak-Koziel et al. (2018). Plant Cell Wall Dynamics in Compatible and Incomp...
AS12 2582	CesA4 (IRX5) Cellulose synthase A catalytic subunit 4 [UDP-forming]		Tsuchiya et al. (2015). Distribution of XTH, expansin, and secondary-wall-rela...
AS12 2581	CesA7 (IRX3) Cellulose synthase A catalytic subunit 7 [UDP-forming]	5289007	Nibbering et al. (2022). CAGEs are Golgi-localized GT31 enzymes involved in ce...
AS12 2581	CesA7 (IRX3) Cellulose synthase A catalytic subunit 7 [UDP-forming]		Tsuchiya et al. (2015). Distribution of XTH, expansin, and secondary-wall-rela...
AS12 2580	CesA8 (IRX1) Cellulose synthase A catalytic subunit 8 [UDP-forming]		Zhang et al. (2016). Golgi-localized STELLO proteins regulate the assembly and...
AS12 2580	CesA8 (IRX1) Cellulose synthase A catalytic subunit 8 [UDP-forming]		Tsuchiya et al. (2015). Distribution of XTH, expansin, and secondary-wall-rela...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	35115512	Lim et al (2022). Arabidopsis guard cell chloroplasts import cytosolic ATP for...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)		Wang et al. (2022). Arabidopsis Ubiquitin-Conjugating Enzymes UBC4, UBC5, and ...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	36130166	He, Gao, Luo, et al. (2022) VAMP724 and VAMP726 are involved in autophagosome ...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)		Cui, Liu, Li, et al. (2022) The cellulose--lignin balance affects the twisted ...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	36326888	Singh, Muthamilarasan, Prasad (2022). SiHSA2e regulated expression of SisHSP2...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)		Qian et al. (2021) OsFes1C, a potential nucleotide exchange factor for OsBiP1,...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	34657568	Sun et al. (2021) Mechanistic insights into an atypical interaction between AT...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	31146453	Shahbaz and Pilon (2019). Conserved Cu-MicroRNAs in Arabidopsis thaliana Funct...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	30785397	Patir-Nebioglu et al. (2019). Pyrophosphate modulates plant stress responses v...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	30659067	Liu et al. (2019). IMPORTIN Beta4 mediates nuclear import of GRF-INTERACTING F...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)		Seguel et al. (2018). PROHIBITIN 3 forms complexes with ISOCHORISMATE SYNTHASE...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	28977710	Lynch et al. (2017). Multifaceted plant responses to circumvent Phe hyperaccum...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	28684428	Duan et al. (2017). A Lipid-Anchored NAC Transcription Factor Is Translocated ...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	29209342	Steffens et al. (2017). Physical, Functional and Genetic Interactions between ...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	27992503	Xing et al. (2016). Proteome Profile of Starch Granules Purified from Rice (Or...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)		LaMontagne et al. (2016). Isolation of Microsomal Membrane Proteins from Arabi...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	27055010	Ma et al. (2016). Phosphatidylserine Synthase Controls Cell Elongation Especia...
AS04 043	cFBPase Cytosolic fructose-1,6-bisphosphatase (cytoplasm marker in photosynthetic tissues)	26781341	de Michele et al. (2016). Free-Flow Electrophoresis of Plasma Membrane Vesicle...
AS06 176	CGE1 Alfa-CGE1, chloroplastic GrpE homolog	31114631	Koh et al. (2019). Heterologous synthesis of chlorophyll b in Nannochloropsis ...
AS06 176	CGE1 Alfa-CGE1, chloroplastic GrpE homolog	11752390	Schroda et al. (2001) The chloroplastic GrpE homolog of Chlamydomonas: two iso...
AS12 1853	CGL160 Conserved in green lineage 160	32041909	Galvis et al. (2020). H+ transport by K+ EXCHANGE ANTIPTORTER3 promotes photo...
AS12 1853	CGL160 Conserved in green lineage 160	25835989	Fristedt et al. (2015). The Thylakoid Membrane Protein CGL160 Supports CF1CF0 ...
AS10 936	CGL78 YCF54	23065468	Hsieh et al. (2013). The Proteome of Copper, Iron, Zinc, and Manganese Micronu...
AS10 831	Chicken anti-Rabbit IgG (H&L), DyLight® 488 conjugated		Kovaleva et al. (2017). Regulation of Petunia Pollen Tube Growth by Phytohormo...
AS10 833	Chicken anti-Rabbit IgG (H&L), HRP conjugated	31409711	Levitani et al. (2019). Structural and functional analyses of photosystem II in...
AS10 833	Chicken anti-Rabbit IgG (H&L), HRP conjugated		Gao et al. (2018). Cisgenic overexpression of cytosolic glutamine synthetase i...
AS10 1224	Chicken anti-Rat IgG (H&L), HRP conjugated	35163603	Wilmowicz et al. (2022) Remodeling of Cell Wall Components in Root Nodules and...
AS03 027	Chicken IgY pre-immune IgY (50 mg)	30463517	Larsson and Voss (2018). Neuroprotective effects of vitamin D on high fat diet...
AS14 2793	ChlG (G4) Chlorophyll synthase (chloroplastic)	35146632	Maeda et al. (2022). Characterization of photosystem II assembly complexes con...
AS14 2793	ChlG (G4) Chlorophyll synthase (chloroplastic)	35146632	Maeda et al. (2022). Characterization of photosystem II assembly complexes con...

AS14 2793	ChlG (G4) Chlorophyll synthase (chloroplastic)	35146632	Maeda et al. (2022). Characterization of photosystem II assembly complexes con...
AS12 2615	CHS Chalcone synthase	34580802	Trojak et al. (2021) Effects of partial replacement of red by green light in t...
AS12 2615	CHS Chalcone synthase		Nabbie et al. (2017). Lambda Protein Affects Anthocyanin Production in Arabido...
AS16 3213	CK2 beta Casein kinase 2 subunit beta		Mekala et al. (2015). Plants actively avoid state-transitions upon changes in ...
AS16 3213	CK2 beta Casein kinase 2 subunit beta		Flood et al. (2014). Natural variation in phosphorylation of photosystem II pr...
AS16 3213	CK2 beta Casein kinase 2 subunit beta		Yin et al. (2012). Photosystem II Function and Dynamics in Three Widely Used A...
AS10 690	Clathrin heavy-chain 1,2		Suanno et al. (2023) Small extracellular vesicles released from germinated kiw...
AS10 690	Clathrin heavy-chain 1,2	32968023	Fujimoto et al. (2020) Longin R-SNARE is retrieved from the plasma membrane b...
AS10 690	Clathrin heavy-chain 1,2	31422889	Ranjan et al. (2019). Transient Internalization and Microtubule-Dependent Traf...
AS10 690	Clathrin heavy-chain 1,2	27681606	Wattelet-Boyer et al. (2016). Enrichment of hydroxylated C24- and C26-acyl- ch...
AS10 690	Clathrin heavy-chain 1,2	26432860	Derbyshire et al. (2015). Proteomic Analysis of Microtubule Interacting Protei...
AS10 690	Clathrin heavy-chain 1,2	25922490	Grones et al. (2015). Auxin-binding pocket of ABP1 is crucial for its gain-of-...
AS10 690	Clathrin heavy-chain 1,2	23323832	McLoughlin et al. (2013). Identification of novel candidate phosphatidic acid ...
AS10 690-ALP	Clathrin heavy-chain 1,2, ALP-conjugated (40 µg)	31107531	Gao et al. (2019). The Arabidopsis receptor kinase STRUBBELIG undergoes clathr...
AS20 4418	CLO3 Caleosin-3	24214535	Shimada et al. (2014). Leaf oil body functions as a subcellular factory for t...
AS20 4418	CLO3 Caleosin-3	19891705	Shimada et al. (2010). A rapid and non-destructive screenable marker, FAST, f...
AS16 4039	ClpB1 Chaperone protein ClpB1 (cyanobacterial)		Porankiewicz and Clarke (1997). Induction of the heat shock protein ClpB affec...
AS16 4040	ClpB2 Chaperone protein ClpB2 (cyanobacterial)		Eriksson et al. (2001). Novel form of ClpB/HSP100 protein in the cyanobacteriu...
AS09 459	ClpB-P ClpB3	34573369	Jeran et al. (2021) The PUB4 E3 Ubiquitin Ligase Is Responsible for the Varieg...
AS09 459	ClpB-P ClpB3	32876986	Tieu Ngoc et al. (2020). N4-methylcytidine ribosomal RNA methylation in chloro...
AS09 459	ClpB-P ClpB3	26031782	Han et al. (2015). A nuclear-encoded chloroplast-targeted S1 RNA-binding domai...
AS01 001	ClpC Chloroplastic form of HSP100	32853383	Jiang et al. (2020). Plastid chaperone HSP90C guides precursor proteins to the...
AS01 001	ClpC Chloroplastic form of HSP100	29158328	Lee et al. (2018). Prolines in Transit Peptides Are Crucial for Efficient Prep...
AS01 001	ClpC Chloroplastic form of HSP100	25699590	Hu et al. (2015). Site-specific Nitrosoproteomic Identification of Endogenous...
AS01 001	ClpC Chloroplastic form of HSP100	21737456	Rosano et al. (2011). Insights into the Clp/HSP100 chaperone system from chlor...
AS01 001	ClpC Chloroplastic form of HSP100	18818204	Karradt et al. (2008) NblA, a Key Protein of Phycobilisome Degradation, Intera...
AS01 001	ClpC Chloroplastic form of HSP100	9260953	Porankiewicz & Clarke (1997) Induction of the heat shock protein ClpB affects ...
AS16 4048	ClpD Chaperone protein ClpD (chloroplastic)		Zheng et al. (2002). Characterization of Chloroplast Clp proteins in Arabidops...
AS16 4049	ClpP1 ATP-dependent Clp protease proteolytic subunit 1 (chloroplastic)		Zheng et al. (2002). Characterization of Chloroplast Clp proteins in Arabidops...
AS16 4041	ClpP1 ATP-dependent Clp protease proteolytic subunit 1 (cyanobacterial)		Schelin et al. (2002). The clpP multigene family for the ATP-dependent Clp pro...
AS16 4042	ClpP2 ATP-dependent Clp protease proteolytic subunit 2 (cyanobacterial)		Schelin et al. (2002). The clpP multigene family for the ATP-dependent Clp pro...
AS16 4050	ClpP3 ATP-dependent Clp protease proteolytic subunit 3 (chloroplastic)		Zheng et al. (2002). Characterization of Chloroplast Clp proteins in Arabidops...
AS16 4043	ClpP3 ATP-dependent Clp protease proteolytic subunit 3 (cyanobacterial)		Schelin et al. (2002). The clpP multigene family for the ATP-dependent Clp pro...
AS16 4051	ClpP4 ATP-dependent Clp protease proteolytic subunit 4 (chloroplastic)		Zheng et al. (2002). Characterization of Chloroplast Clp proteins in Arabidops...
AS16 4052	ClpP5 ATP-dependent Clp protease proteolytic subunit 5 (chloroplastic)		Zheng et al. (2002). Characterization of Chloroplast Clp proteins in Arabidops...
AS16 4053	ClpP6 ATP-dependent Clp protease proteolytic subunit 6 (chloroplastic)		Zheng et al. (2002). Characterization of Chloroplast Clp proteins in Arabidops...
AS13 2655	ClpP6 chloroplast ClpP6 proteolytic subunit		Zheng et al. (2002). Characterization of Chloroplast Clp proteins in Arabidops...
AS16 4044	ClpR Putative ATP-dependent Clp protease proteolytic subunit-like		Stanne et al. (2007). Distinctive types of ATP-dependent Clp proteases in cyan...
AS16 4054	ClpR1 ATP-dependent Clp protease proteolytic subunit-related protein 1 (chloroplastic)		Lee & Back . (2021) Melatonin Regulates Chloroplast Protein Quality Control vi...
AS16 4054	ClpR1 ATP-dependent Clp protease proteolytic subunit-related protein 1 (chloroplastic)		Siogren et al. (2004). Inactivation of the clpC1 gene encoding a chloroplast H...
AS16 4055	ClpR2 ATP-dependent Clp protease proteolytic subunit-related protein 2 (chloroplastic)		Siogren et al. (2004). Inactivation of the clpC1 gene encoding a chloroplast H...
AS16 4056	ClpR3 ATP-dependent Clp protease proteolytic subunit-related protein 3 (chloroplastic)		Siogren et al. (2004). Inactivation of the clpC1 gene encoding a chloroplast H...
AS16 4057	ClpR4 ATP-dependent Clp protease proteolytic subunit-related protein 4 (chloroplastic)		Siogren et al. (2004). Inactivation of the clpC1 gene encoding a chloroplast H...
AS16 4045	ClpS1 ATP-dependent Clp protease adapter protein ClpS (cyanobacterial)		Stanne et al. (2007). Distinctive types of ATP-dependent Clp proteases in cyan...
AS16 4046	ClpS2 ATP-dependent Clp protease adapter protein ClpS (cyanobacterial)		Tryggvesson et al. (2015). Characterization of ClpS2, an essential adaptor pro...
AS16 4058	ClpT1 ATP-dependent Clp protease ATP-binding subunit CLPT1 (chloroplastic)		Siogren et al. (2004). Inactivation of the clpC1 gene encoding a chloroplast H...
AS16 4047	ClpX ATP-dependent Clp protease ATP-binding subunit ClpX		Schelin et al. (2002). The clpP multigene family for the ATP-dependent Clp pro...
AS09 601	c-myc (polyclonal)	19945380	Baumgardt et al. (2009). Neuronal subtype specification within a lineage by op...
AS17 4164	CNX Calnexin (monoclonal, clone 11A1)		Li et al. (1998). The molecular chaperone calnexin associates with the vacuola...
AS17 4164	CNX Calnexin (monoclonal, clone 11A1)	9477575	Li et al. (1998). The molecular chaperone calnexin associates with the vacuola...
AS12 2365	CNX1/2 CALNEXIN HOMOLOG 1/2	33564884	Ekanayake et al. (2021) A. DYNAMIN-RELATED PROTEIN DRP1A functions with DRP2B ...
AS12 2365	CNX1/2 CALNEXIN HOMOLOG 1/2	33564884	Ekanayake et al. (2021) A. DYNAMIN-RELATED PROTEIN DRP1A functions with DRP2B ...
AS12 2365	CNX1/2 CALNEXIN HOMOLOG 1/2	34830250	Skalicky et al. (2021) Auxin Metabolite Profiling in Isolated and Intact Plant...

AS12 2365	CNX1/2 CALNEXIN HOMOLOG 1/2	32094305	Collins et al. (2020). EPSIN1 Modulates the Plasma Membrane Abundance of FLAGE...
AS12 2365	CNX1/2 CALNEXIN HOMOLOG 1/2	32724893	Kramer et al. (2020). N6-methyladenosine and RNA secondary structure affect tr...
AS12 2365	CNX1/2 CALNEXIN HOMOLOG 1/2		Butler et al. (2019). Soybean resistance locus Rhg1 confers resistance to mult...
AS12 2365	CNX1/2 CALNEXIN HOMOLOG 1/2		Howden et al. (2017). Quantitative analysis of the tomato nuclear proteome dur...
AS12 2365	CNX1/2 CALNEXIN HOMOLOG 1/2		Foley et al. (2017). A Global View of RNA-Protein Interactions Identifies Post...
AS12 2365	CNX1/2 CALNEXIN HOMOLOG 1/2		LaMontagne et al. (2016). Isolation of Microsomal Membrane Proteins from Arabi...
IMS01-031-305	CO4c Complement component C4c		Bidula et al. (2013). The role of ficolin-A and lectin complement pathway in t...
AS12 2637	COI1 Coronate insensitive 1 (rabbit antibody)	35567489	Agrawal et al. (2022) MEDIATOR SUBUNIT17 integrates jasmonate and auxin signal...
AS12 2637	COI1 Coronate insensitive 1 (rabbit antibody)	35145090	Linster et al. (2022). Cotranslational N-degron masking by acetylation promote...
AS08 335	Conglutin gamma lupin-specific globulin	32120788	Villa et al. (2020). Immunoreactivity of Lupine and Soybean Allergens in Foods...
AS08 335	Conglutin gamma lupin-specific globulin		Tomczak et al. (2019). Differences in the immunoreactivity of milk from local ...
AS08 335	Conglutin gamma lupin-specific globulin	25902794	Foley et al. (2015). Analysis of conglutin seed storage proteins across lupin ...
AS08 335	Conglutin gamma lupin-specific globulin		Czubinski et al. (2015). Digestion susceptibility of seed globulins isolated f...
AS06 169	COR14b Cor14b-encoded cold regulated protein	18245808	Rapacz et al. (2008). The effect of cold acclimation on photosynthetic apparat...
AS04 053A-200	COXII Cytochrome oxidase subunit II (200 µg)		Mika et al. (2010). Membrane-bound guaiacol peroxidases from maize (Zea mays L...
AS04 053A-200	COXII Cytochrome oxidase subunit II (200 µg)		Lang, E.G.E., S.J. Mueller, S.N.W. Hoernstein, J. Porankiewicz-Asplund, M. Ver...
AS04 053A-200	COXII Cytochrome oxidase subunit II (200 µg)		Leroch et al (2008). Identification of a novel adenine nucleotide transporter ...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	36156265	Inoue et al. (2023) Temperature dependence of O2 respiration in mangrove leave...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)		Suanno et al. (2023) Small extracellular vesicles released from germinated kiw...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)		Kumar et al. (2022). Proteomic dissection of rice cytoskeleton reveals the dom...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	35624700	Hofmann, Wienkoop & Luthje (2022) Hypoxia-Induced Aquaporins and Regulation of...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	35269810	Nguyen et al. (2022). MISF2 Encodes an Essential Mitochondrial Splicing Cofact...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	35864185	Gruttner et al. (2022) The P-type pentatricopeptide repeat protein DWEOG1 is ...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	36326888	Singh, Muthamilarasan, Prasad (2022). SiHSA2e regulated expression of SisHSP2...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	36470866	Oikawa et al. (2022) Pexophagy suppresses ROS-induced damage in leaf cells und...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	34922341	Pavlovic & Kocab. (2021) Alternative oxidase (AOX) in the carnivorous pitche...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)		Wang et al. (2020) Rerouting of ribosomal proteins into splicing in plant orga...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	32218370	Makino et al. (2020). Induction of Terminal Oxidases of Electron Transport Cha...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	29749054	Barua et al. (2019). Dehydration-responsive nuclear proteome landscape of chic...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	30626926	Waltz et al. (2019). Small is big in Arabidopsis mitochondrial ribosome. Nat P...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	31356742	Shull et al. (2019). Anatase TiO2 nanoparticles induce autophagy and chloropla...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	31332949	Wang et al. (2019). SMALL KERNEL4 is required for mitochondrial cox1 transcrip...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	31257441	Chen et al. (2019). PPR-SMR1 is required for the splicing of multiple mitochon...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	30626926	Waltz et al. (2019). Small is big in Arabidopsis mitochondrial ribosome. Nat P...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	30243939	Gayen et al. (2018). Dehydration-induced proteomic landscape of mitochondria i...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	29749054	Barua et al. (2018). Dehydration-responsive nuclear proteome landscape of chic...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	29932267	Migocka et al. (2018). Cucumber metal tolerance protein 7 (CsMTP7) is involved...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	29301905	Dai et al. (2018). Maize Dek37 Encodes a P-Type PPR Protein That Affects Cis-S...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	28784794	Nagel et al. (2017). Arabidopsis SH3P2 is an ubiquitin-binding protein that fu...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	28623839	Garmash et al. (2017). Expression profiles of genes for mitochondrial respirat...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	27942959	Weissenberger et al. (2017). The PPR protein SLOW GROWTH 4 is involved in edit...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	28346745	Cai et al. (2017). Emp10 encodes a mitochondrial PPR protein that affects the ...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	26520835	Schimmeyer et al. (2016). L-Galactono-1,4-lactone dehydrogenase is an assembly...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	27811077	Li et al. (2016). Characterization of a novel Beta-barrel protein (AtOM47) fro...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	26901522	Pavlovic et al. (2016). Light-induced gradual activation of photosystem II in ...
AS04 053A	COXII Plant Cytochrome oxidase subunit II (affinity purified)	25944100	Li et al. (2015). Autophagic recycling plays a central role in maize nitrogen ...
AS06 151	COXIIb Algal Cytochrome oxidase subunit II b		Burlacot et al. (2022) Alternative photosynthesis pathways drive the algal CO2...
AS06 151	COXIIb Algal Cytochrome oxidase subunit II b	31871206	Ma et al. (2020). An ortholog of the Vasa intronic gene is required for small ...
AS06 151	COXIIb Algal Cytochrome oxidase subunit II b	31827608	Jokel et al. (2020). Elimination of the flavodiiron electron sink facilitates ...
AS06 151	COXIIb Algal Cytochrome oxidase subunit II b		Upadhyaya and Jagadeeshwar Rao (2019). Reciprocal regulation of photosynthesis...
AS06 151	COXIIb Algal Cytochrome oxidase subunit II b	29575329	Jokel et al. (2018). Hunting the main player enabling Chlamydomonas reinhardt...
AS06 151	COXIIb Algal Cytochrome oxidase subunit II b	28500267	Uhmeyer et al. (2017). Impaired Mitochondrial Transcription Termination Disrup...
AS06 151	COXIIb Algal Cytochrome oxidase subunit II b	28386962	Volgusheva et al. (2017). Comparative analyses of H2 photoproduction in magnes...

AS06 151	COXIIb Algal Cytochrome oxidase subunit II b	26958078	Schulz-Raffelt et al. (2016). Hyper-accumulation of starch and oil in a Chlamy...
AS06 151	COXIIb Algal Cytochrome oxidase subunit II b	25646490	Kropat et al. (2015). Copper economy in Chlamydomonas: Prioritized allocation ...
AS06 151	COXIIb Algal Cytochrome oxidase subunit II b	24989042	Dang et al. (2014). Combined Increases in Mitochondrial Cooperation and Oxygen...
AS06 151	COXIIb Algal Cytochrome oxidase subunit II b	24623849	Johnson et al. (2014). Proton Gradient Regulation 5-Mediated Cyclic Electron F...
AS06 111	CP43' IsiA homolog of plant CP43		King et al. (2017). Deletion of CGLD1 Impairs PSII and Increases Singlet Oxyge...
AS06 111	CP43' IsiA homolog of plant CP43	28378245	Li et al. (2017). The identification of IsiA proteins binding chlorophyll d in...
AS06 111	CP43' IsiA homolog of plant CP43	28351910	Kurkela et al. (2017). Acclimation to High CO2 Requires the ω Subunit of the R...
AS06 111	CP43' IsiA homolog of plant CP43	25010795	Cheng and He (2014). PfsR Is a Key Regulator of Iron Homeostasis in Synechocys...
AS06 111	CP43' IsiA homolog of plant CP43	24516600	Selão et al. (2014). Subcellular Localization of Monoglucosyldiacylglycerol Sy...
AS06 111	CP43' IsiA homolog of plant CP43	24009334	Hakkila et al. (2013). Group 2 sigma factor mutant DeltasigCDE of the cyanobac...
AS06 111	CP43' IsiA homolog of plant CP43	23527279	Fraser et al. (2013). Photophysiological and Photosynthetic Complex Changes du...
AS10 1115	CP43' IsiA homolog of plant CP43 positive control/quantitation standard	23527279	Fraser et al. (2013). Photophysiological and Photosynthetic Complex Changes du...
AS10 1115	CP43' IsiA homolog of plant CP43 positive control/quantitation standard		Ryan-Keogh et al. (2012). Iron deficiency in cyanobacteria causes monome...
AS19 4315	CPK1 Calcium-dependent protein kinase 1	31659127	Durian et al. (2019). PROTEIN PHOSPHATASE 2A-B'γ controls Botrytis cinerea res...
AS19 4315	CPK1 Calcium-dependent protein kinase 1	31659127	Durian et al. (2019). PROTEIN PHOSPHATASE 2A-B'γ controls Botrytis cinerea res...
AS12 2613	CPN60A1 Chaperonin 60 subunit alpha 1 (chloroplastic)	5417702	Li et al. (2022) The CDC48 complex mediates ubiquitin-dependent degradation of...
AS12 2613	CPN60A1 Chaperonin 60 subunit alpha 1 (chloroplastic)	36326888	Singh, Muthamilarasan, Prasad (2022). SiHSA2e regulated expression of SisHSP2...
AS12 2613	CPN60A1 Chaperonin 60 subunit alpha 1 (chloroplastic)	34573369	Jeran et al. (2021) The PUB4 E3 Ubiquitin Ligase Is Responsible for the Variieg...
AS12 2613	CPN60A1 Chaperonin 60 subunit alpha 1 (chloroplastic)	32853383	Jiang et al. (2020). Plastid chaperone HSP90C guides precursor proteins to the...
AS12 2613	CPN60A1 Chaperonin 60 subunit alpha 1 (chloroplastic)		Dogra et al. (2019). Impaired PSII proteostasis triggers an UPR-like response ...
AS12 2613	CPN60A1 Chaperonin 60 subunit alpha 1 (chloroplastic)		Lande et al. (2019). Dehydration-induced alterations in chloroplast proteome a...
AS14 2768	CPT6 cis-prenyltransferase 6		Surmacz et al. (2014). cis-Prenyltransferase AtCPT6 produces a family of very ...
AS06 123	CPX1 coproporphyrinogen III oxidase, isoform 1	20960201	Lang et al. (2011). Simultaneous isolation of pure and intact chloroplasts and ...
AS06 123	CPX1 coproporphyrinogen III oxidase, isoform 1	10318870	Quinn et al. (1999) Induction of Coproporphyrinogen Oxidase in Chlamydomonas C...
AS06 122	CRD1 Cyanobacterial homolog of plant CHL27 cyclase		Wang et al. (2020). Post-translational coordination of chlorophyll biosynthesi...
AS06 122	CRD1 Cyanobacterial homolog of plant CHL27 cyclase	30968200	Cha et al. (2019). Arabidopsis GIGANTEA negatively regulates chloroplast bioge...
AS06 122	CRD1 Cyanobacterial homolog of plant CHL27 cyclase	24942864	Canniffe et al. (2014). Elucidation of the preferred routes of C8-vinyl reduct...
AS12 1875	CrPDAT1 Phospholipid: diacylglycerol acyltransferase	35727866	Lee et al. (2022) Genetic compensation of triacylglycerol biosynthesis in the ...
AS12 1875	CrPDAT1 Phospholipid: diacylglycerol acyltransferase		Yoon et al (2012). Phospholipid:Diacylglycerol Acyltransferase Is a Multifunct...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase		Fesharaki-Esfahani et al. (2021) A highly efficient, thermo stable and broad p...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase	34020507	Wang et al. (2021). Brassinosteroids inhibit miRNA-mediated translational repr...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase	34260941	Zhuang et al (2021). EGY3 mediates chloroplastic ROS homeostasis and promotes ...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase	31941669	Shinozaki et al. (2020). Autophagy Increases Zinc Bioavailability to Avoid Lig...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase	32034599	Konkolewska et al. (2020). Combined use of companion planting and PGPR for the...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase	31093688	Mermod et al. (2019). SQUAMOSA promoter-binding protein-like 7 mediates copper...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase	28428141	Witzel et al. (2017). Temporal impact of the vascular wilt pathogen Verticilli...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase	26841194	Vuleta et al. (2016). Adaptive flexibility of enzymatic antioxidants SOD, APX ...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase		Dmitrović et al. (2015). Essential oils of two Nepeta species inhibit growth a...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase		Tuteja et al. (2015). Heterologous expression and biochemical characterization...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase	25070267	Parys et al. (2014). Metabolic Responses to Lead of Metallotolerant and Nonmetal...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase		Momčilović et al. (2014). Improved procedure for detection of superoxide dismu...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase		Huey-wen et al. (2014). Harpin Protein, an Elicitor of Disease Resistance, Act...
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase	22982374	Yang et al. (2012). Quantitative proteomic analysis reveals that antioxidation...
AS14 2760	CsoS1A/B/C Major carboxysome shell protein 1A, AB, 1C		Chen et al. (2022) ACS Synth. Biol. 2022, 11, 1, 154–161Publication Date:Octob...
AS14 2760	CsoS1A/B/C Major carboxysome shell protein 1A, AB, 1C	36054822	Huang, Jiang, Yang, et al. (2022) Probing the Internal pH and Permeability of ...
AS14 2760	CsoS1A/B/C Major carboxysome shell protein 1A, AB, 1C	33116131	Li et al. (2020). Reprogramming bacterial protein organelles as a nanoreactor ...
AS14 2760	CsoS1A/B/C Major carboxysome shell protein 1A, AB, 1C		Long et al. (2018). Carboxysome encapsulation of the CO2-fixing enzyme Rubisco...
AS08 298	CSP41b ribosome associated endonuclease (CRB)	28183294	Tamburino et al. (2017). Chloroplast proteome response to drought stress and r...
AS08 298	CSP41b ribosome associated endonuclease (CRB)	20960201	Lang et al. (2011). Simultaneous isolation of pure and intact chloroplasts and ...
AS08 298	CSP41b ribosome associated endonuclease (CRB)	18398686	Beligni & Mayfield (2008). Arabidopsis thaliana mutants reveal a role for CSP4...
AS08 298	CSP41b ribosome associated endonuclease (CRB)	17617174	Hassidim et al. (2007). Mutations in CHLOROPLAST RNA BINDING provide evidence ...
AS10 652	Cu/ZnSOD Cu/Zn superoxide dismutase		Adhikari et al. (2018). Sulfate improves cadmium tolerance by limiting cadmium...
AS10 652	Cu/ZnSOD Cu/Zn superoxide dismutase	29784767	Bastow et al. (2018). Vacuolar Iron Stores Gated by NRAMP3 and NRAMP4 Are the ...

AS18 4243	Cu/ZnSOD Cu/Zn superoxide dismutase		Zafra et al. (2018). Identification of novel superoxide dismutase isoenzymes i...
AS10 652	Cu/ZnSOD Cu/Zn superoxide dismutase		Alche et al. (1998). Identification and immunolocalization of superoxide dismu...
AS08 316	CURT1A Curvature thylakoid 1A	35146632	Maeda et al. (2022). Characterization of photosystem II assembly complexes con...
AS08 316	CURT1A Curvature thylakoid 1A	35146632	Maeda et al. (2022). Characterization of photosystem II assembly complexes con...
AS08 316	CURT1A Curvature thylakoid 1A	33269435	Nishioka et al. (2021). Phos-tag-based approach to study protein phosphorylati...
AS08 316	CURT1A Curvature thylakoid 1A	34607178	Fukura et al. (2021) Enrichment of chlorophyll catabolic enzymes in grana mar...
AS08 316	CURT1A Curvature thylakoid 1A	29880711	Liang et al. (2018). Thylakoid-Bound Polysomes and a Dynamin-Related Protein, ...
AS08 316	CURT1A Curvature thylakoid 1A	23839788	Armbruster et al. (2013). Arabidopsis CURVATURE THYLAKOID1 Proteins Modify Thy...
AS11 1775	C-YFP C-terminal of YFP		Li et al. (2021) Two ubiquitin-associated ER proteins interact with COPT coppe...
AS11 1775	C-YFP C-terminal of YFP	34919703	Lung et al. (2021) Oxylipin signaling in salt-stressed soybean is modulated by...
AS10 1618	CYP38 cyclophilin 38, peptidyl-prolyl cis-trans isomerase		Duan et a. (2020). Characterization of CYCLOPHILIN38 shows that a photosynthe...
AS18 4169	Cyt b6 / PetB Thylakoid membrane cytochrome b6 protein, N terminal		Urban, Rogowski & Romanowska (2022). Crucial role of the PTOX and CET pathways...
AS18 4169	Cyt b6 / PetB Thylakoid membrane cytochrome b6 protein, N terminal	33514722	Lu et al. (2021). Role of an ancient light-harvesting protein of PSI in light ...
AS18 4169	Cyt b6 / PetB Thylakoid membrane cytochrome b6 protein, N terminal		Chen et al. (2021) Degradation of the photosystem II core complex is independen...
AS18 4169	Cyt b6 / PetB Thylakoid membrane cytochrome b6 protein, N terminal	34831107	Wada et al. (2021) Identification of a Novel Mutation Exacerbated the PSI Phot...
AS18 4169	Cyt b6 / PetB Thylakoid membrane cytochrome b6 protein, N terminal		Wang et al. (2020). Post-translational coordination of chlorophyll biosynthesi...
AS08 343A	Cyt c Cytochrome c	35269810	Nguyen et al. (2022). MISF2 Encodes an Essential Mitochondrial Splicing Cofact...
AS08 343A	Cyt c Cytochrome c		Guo et al. (2021) The pentatricopeptide repeat protein GEND1 is required for r...
AS08 343A	Cyt c Cytochrome c		Wang et al. (2020) Rerouting of ribosomal proteins into splicing in plant orga...
AS08 343A	Cyt c Cytochrome c	32710615	Dai et al. (2020). Pentatricopeptide repeat protein DEK46 is required for mult...
AS08 343A	Cyt c Cytochrome c	30626926	Waltz et al. (2019). Small is big in Arabidopsis mitochondrial ribosome. Nat P...
AS08 343A	Cyt c Cytochrome c		Doronina et al. (2019). Structural and Functional Features of the Wheat Embryo...
AS08 343A	Cyt c Cytochrome c		Rurek et al. (2018). Mitochondrial Biogenesis in Diverse Cauliflower Cultivars...
AS08 343A	Cyt c Cytochrome c	29301905	Dai et al. (2018). Maize Dek37 Encodes a P-Type PPR Protein That Affects Cis-s...
AS08 343A	Cyt c Cytochrome c	29156584	Opalinska et al. (2017). Identification of Physiological Substrates and Bindin...
AS08 343A	Cyt c Cytochrome c	26520835	Schimmever et al. (2016). L-Galactono-1,4-lactone dehydrogenase is an assembl...
AS08 343A	Cyt c Cytochrome c	27811077	Li et al. (2016). Characterization of a novel Beta-barrel protein (AtOM47) fro...
AS06 202	Cyt c6 Thylakoid lumen cytochrome c6 protein (algal)	25646490	Kropat et al. (2015). Copper economy in Chlamydomonas: Prioritized allocation ...
AS06 202	Cyt c6 Thylakoid lumen cytochrome c6 protein (algal)	9750208	Merchant et al. (1998) Copper-Responsive Gene Expression in Photosynthetic Mic...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)		Storti et al. (2020). The activity of chloroplast NADH dehydrogenase-like comp...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)		Liu et al. (2020). Acid treatment combined with high light leads to increased ...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	32173384	Redekop et al. (2020). PsbS Contributes to Photoprotection in Chlamydomonas Re...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	31534480	Dall'Osto et al. (2019). Combined resistance to oxidative stress and reduced a...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	31114631	Koh et al. (2019). Heterologous synthesis of chlorophyll b in Nannochloropsis ...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	30496624	Storti et al. (2018). Role of cyclic and pseudo-cyclic electron transport in f...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	29997239	Kong et al. (2018) Interorganelle Communication: Peroxisomal MALATE DEHYDROGEN...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	29575329	Jokel et al. (2018). Hunting the main player enabling Chlamydomonas reinhardt...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	29437989	Du et al. (2018). Galactoglycerolipid Lipase PGD1 Is Involved in Thylakoid Mem...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	28468769	Zou et al. (2017). An Animal-Like Cryptochrome Controls the Chlamydomonas Sexu...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	28479323	Georg et al. (2017). Acclimation of Oxygenic Photosynthesis to Iron Starvation...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	28382592	Tyureva et al. (2017). The absence of chlorophyll b affects lateral mobility ...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	28180288	Schottler et al. (2017). The plastid-encoded Psal subunit stabilizes photosyst...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	27058989	Ferroni et al. (2016). Light acclimation in the lycophyte Selaginella martensi...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	26332430	Suorsa et al. (2015). Light acclimation involves dynamic re-organisation of th...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	25713340	Charuvi et al. (2015). Photoprotection Conferred by Changes in Photosynthetic ...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	24963068	Hojka et al. (2014). Inducible repression of nuclear-encoded subunits of the c...
AS06 119	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)	24989042	Dang et al. (2014). Combined increases in Mitochondrial Cooperation and Oxygen...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	36378135	von Bismarck, et al (2023). Light acclimation interacts with thylakoid ion tra...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	35202657	Espinoza-Corral & Lundquist. (2022) The plastoglobule-localized protein AtABC1...
AS20 4377	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	35916195	Lempiainen et al. (2022) Plants acclimate to Photosystem I photoinhibition by ...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	35715975	Harchouni et al. (2022) Guanosine tetraphosphate (ppGpp) accumulation inhibits...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	34168134	Ruhle et al. (2021) PGRL2 triggers degradation of PGR5 in the absence of PGRL1...

AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	34685758	von Bismarck et al. (2021) Light acclimation interacts with thylakoid ion tran...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)		Wang et al. (2020) Rerouting of ribosomal proteins into splicing in plant orga...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	32189186	Simakawa et al. (2020). Near-infrared in Vivo Measurements of Photosystem I an...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	33383642	Kana et al. (2020). Fast Diffusion of the Unassembled PetC1-GFP Protein in the...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	33258963	Aznar et al. (2020). Psb35 protein stabilizes the CP47 assembly module and ass...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	30785397	Patir-Nebioglu et al. (2019). Pyrophosphate modulates plant stress responses v...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	29951988	Patil et al. (2018). FZL is primarily localized to the inner chloroplast membr...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	29803724	Giovanardi et al. (2018). In pea stipules a functional photosynthetic electron...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)		Rantala and Tikkanen et al. (2018). Phosphorylation-induced lateral rearrangem...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	26903622	Heinrickel et al. (2016). Tetratricopeptide repeat protein protects photosyste...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	26901522	Pavlovic et al. (2016). Light-induced gradual activation of photosystem II in ...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	25846821	Liu and Last (2015). A land plant-specific thylakoid membrane protein contribu...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	26032897	Dahal et al. (2015). Improved photosynthetic performance during severe drought...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	25125503	Renato et al. (2014). Tomato fruit chromoplasts behave as respiratory bioenerg...
AS08 306	Cyt f Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (higher plants)	25451040	Armbruster et al. (2014). Ion antiport accelerates photosynthetic acclimation ...
AS09 431	Cytokinin Cis-zeatin riboside (for immunolocalization)	31718548	Han et al. (2019). Characterization and T-DNA insertion sites identification o...
AS09 437	Cytokinin Dihydrozeatin riboside (for immunolocalization)	31993729	Alvarez et al. (2020). Hormonal and gene dynamics in de novo shoot meristem fo...
AS09 443	Cytokinin Kinetin riboside (1 mg)	29987005	Bowie et al. (2018). N6-Furfuryladenine is protective in Huntington's disease ...
AS09 444	Cytokinin Kinetin riboside (5 mg)		Souza, Pinho, Setin, et al. (2022)Identification and preclinical development ...
AS09 438	Cytokinin N6-benzyladenosine (for immunolocalization)	31993729	Alvarez et al. (2020). Hormonal and gene dynamics in de novo shoot meristem fo...
AS09 415	Cytokinin N6-isopentenyladenosine (1 mg)		Shu et al. (2022) m6A-label-seq: A metabolic labeling protocol to detect trans...
AS09 415	Cytokinin N6-isopentenyladenosine (1 mg)	31993729	Alvarez et al. (2020). Hormonal and gene dynamics in de novo shoot meristem fo...
AS09 414	Cytokinin Trans-zeatin riboside (1mg)	31102569	Ferreira et al. (2019). Enzyme-mediated metabolism in nutritive tissues of gal...
AS09 429	Cytokinin Trans-zeatin riboside (for immunolocalization)	35792654	Zeng et al. (2022). Carpel-specific downregulation of GhCKXs in cotton signifi...
AS16 3694	D14 Strigolactone esterase D14	33474738	Yao et al. (2021) Desmethyl butenolides are optimal ligands for karrikin recep...
AS07 246	Deg1 chloroplastic DegP-type serine protease 1		Zienkiewicz et al. (2013). Light intensity and quality stimulated Deg1-depende...
AS10 711	DEG15 Endopeptidase (peroxisomal marker)	18952862	Schuhmann et al. (2008). The DEG15 serine protease cleaves peroxisomal targeti...
AS10 711	DEG15 Endopeptidase (peroxisomal marker)	17592111	Helm et al. (2007). Dual specificities of the glyoxysomal/peroxisomal processi...
AS10 703	Deg5 protease Do-like 5 (chloroplastic)	24449688	Malnoë et al. (2014). Thylakoid FtsH Protease Contributes to Photosystem II an...
AS11 1756	DegP7 protease Do-like 7	21247409	Schuhmann et al. (2011). A new principle of oligomerization of plant DEG7 prot...
AS07 206A	Dehydrin (affinity purified serum)		ZamaniBahramabadi et al. (2019). Dehydrin Content in Fresh and Dried Dicotyl...
AS07 206A	Dehydrin (affinity purified serum)		Szegő et al. (2019). Diverse responsiveness of dehydrin genes to abscisic acid...
AS07 206A	Dehydrin (affinity purified serum)	29501894	Goni et al. (2018). Ascophyllum nodosum extract biostimulants and their role i...
AS07 206	Dehydrin (serum)	33706184	Kartashov et al. (2021) Quantitative analysis of differential dehydrin regulat...
AS07 206	Dehydrin (serum)	34073120	Vítamvas et al. (2021) Relationship between WCS120 Protein Family Accumulation...
AS07 206	Dehydrin (serum)		Rachenko and Rachenko (2020). The variation of the content of dehydrin protein...
AS07 206	Dehydrin (serum)	33310482	Vazquez-Hernandez et al. (2020). Functional characterization of VviDHN2 and Vv...
AS07 206	Dehydrin (serum)	30477420	Lv et al. (2018). Characterization of Dehydrin protein, CdDHN4-L and CdDHN4-S...
AS07 206	Dehydrin (serum)	30338858	Maszkowska et al. (2018). Phosphoproteomic analysis reveals that dehydrins ERD...
AS07 206	Dehydrin (serum)		Tatarinova et al. (2018). Dehydrins in Buds of Main Birch Species under Condit...
AS07 206	Dehydrin (serum)		Tatarinova et al. (2017). Dehydrin stress proteins in birch buds in regions wi...
AS07 206	Dehydrin (serum)	28744300	Jespersen et al. (2017). Metabolic Effects of Acibenzolar-S-Methyl for Improvi...
AS07 206	Dehydrin (serum)		Jedrowski et al. (2014). Comparative analysis of drought stress effects on pho...
AS07 206	Dehydrin (serum)	24336613	Kjellsen et al. (2013). Dehydrin accumulation and extreme low-temperature tole...
AS07 206	Dehydrin (serum)		Petrov et al. (2011). Woody plants of Yakutia and low-temperature stress. Russ...
AS20 4408	Delta-VPE Vacuolar-processing enzyme delta-isozyme	23572548	Kunieda et al. (2013). Spatiotemporal secretion of PEROXIDASE36 is required fo...
AS20 4408	Delta-VPE Vacuolar-processing enzyme delta-isozyme	18849494	Kunieda et al. (2008). NAC family proteins NARS1/NAC2 and NARS2/NAM in the out...
AS20 4408	Delta-VPE Vacuolar-processing enzyme delta-isozyme	15705955	Nakaune et al. (2005). A vacuolar processing enzyme, deltaVPE, is involved in...
AS15 3082	DET1 Regulator of the proteasomal degradation of LHY		Castells et al. (2011). The conserved factor DE-ETIOLATED 1 cooperates with CUL...
AS12 1874	DGAT2A Acyl-CoA: Diacylglycerol acyltransferase		Liu et al. (2016). A simple and reproducible non-radiolabeled in vitro assay f...
AS12 1874	DGAT2A Acyl-CoA: Diacylglycerol acyltransferase		Wase et al. (2015). Phenotypic screening identifies Brefeldin A/Ascotoxin as a...
AS11 1746	DHAR1 Dehydroascorbate Reductase 1	30609769	Szymanska et al. (2019). SNF1-Related Protein Kinases SnRK2.4 and SnRK2.10 Mod...
AS11 1746	DHAR1 Dehydroascorbate Reductase 1	28428141	Witzel et al. (2017). Temporal impact of the vascular wilt pathogen Verticilli...

AS11 1746	DHAR1 Dehydroascorbate Reductase 1	24416157	Wang et al. (2014). Proteomic analysis of salt-responsive proteins in the leav...
AS11 1747	DHAR2 Dehydroascorbate Reductase 2	19083185	Grefen et al. (2009). The determination of protein-protein interactions by the...
AS11 1632	DMPO DMPO nitron adduct (clone N1664A)	19049863	Chatterjee et al. (2009). Immuno-spin trapping of a post-translational carboxy...
AS15 2887	DNA Damage (8-OHdG) ELISA kit	33044965	Bassey et al. (2020). Cardiovascular disease risk factors and markers of oxida...
AS15 3072	DnaJ (Yersinia pseudotuberculosis)		Costa et al. (2015). Type III secretion translocon assemblies that attenuate Y...
AS07 271	DnaJ prokaryotic heat shock protein		Siddiqui et al. (2020). Melatonin and calcium function synergistically to prom...
AS07 271	DnaJ prokaryotic heat shock protein	16679460	G&ouml;hre et al. (2006). One of Two Alb3 Proteins Is Essential for the Assemb...
AS07 270	DnaK chloroplast stromal chaperone	16679460	Gohre et al. (2006). One of Two Alb3 Proteins Is Essential for the Assembly of...
AS15 3032	DOG1 alpha splice variant	30962396	Bryant et al. (2019). Basic LEUCINE ZIPPER TRANSCRIPTION FACTOR67 Transactivat...
AS15 3032	DOG1 alpha splice variant	26620523	Cyrek et al. (2016). Seed Dormancy in Arabidopsis Is Controlled by Alternative...
AS11 1654	DON Deoxyvalenol, Serum (0.1 ml)	29174985	Ivanova et al. (2017). Role of P-glycoprotein in deoxynivalenol-mediated in vi...
AS12 1997	Donkey anti-Goat IgG (H&L), DyLight® 594 conjugated		Ainla et al. (2013). Lab on a Biomembrane: rapid prototyping and manipulation ...
AS10 1201	Donkey anti-Mouse IgG (H&L), DyLight® 488 conjugated, min. cross-reactivity to bovine, chick	29078327	Maurya et al. (2017). Hedgehog signaling regulates ciliary localization of mou...
AS10 841	Donkey anti-Rabbit IgG (H&L), ALP conjugated	25523947	Kay et al. (2014). Elevations in Th2-initiating cytokines (IL-33, IL-25, TSLP)...
AS10 1299	Donkey anti-Rabbit IgG (H&L), FITC conjugated		Koziel et al. (2017). Subcellular localization of proteins associated with Pru...
AS10 1008	Donkey anti-Rabbit IgG (H&L), HRP conjugated, min. cross-reactivity to bovine, chicken, goat,	24806223	Peterson and Andersen (2014). Simultaneous isolation of mRNA and native protei...
AS10 1258	Donkey anti-Rat IgG (H&L), Biotin conjugated	30401781	Lopez et al. (2018). Evasion of Immune Surveillance in Low Oxygen Environments...
AS10 949	Donkey anti-Rat IgG (H&L), DyLight® 488 conjugated	24595059	Calvo-Polanco et al. (2014). Mild Salt Stress Conditions Induce Different Resp...
AS10 1282	Donkey anti-Rat IgG (H&L), FITC conjugated, min. cross-reactivity to bovine, chicken, goat, gu	31164422	Wijinker et al. (2019). The Cdk1/Cdk2 homolog CDKA1 controls the recombination...
AS10 947	Donkey anti-Rat IgG (H&L), HRP conjugated		Bui et al. (2020). Differential submergence tolerance between juvenile and adu...
AS12 2634	DRP5B Dynamamin related protein 5B	33975629	Loudya et al. (2021) Cellular and transcriptomic analyses reveal two-staged ch...
AS01 012	DS5a Drosophila 26S proteasome subunit Rpn10	35145090	Linster et al. (2022). Cotranslational N-degron masking by acetylation promote...
AS01 012	DS5a Drosophila 26S proteasome subunit Rpn10	23252408	Nguyen et al (2012). Anupstreamregulator of the26Sproteasomemodulatesorganize...
AS01 012	DS5a Drosophila 26S proteasome subunit Rpn10		Lundgren et al. (2003). Use of RNA interference and complementation to study t...
AS10 935	Dsp Death-specific protein	24277817	Thamatrakoln et al. (2013). Death-specific protein in a marine diatom regulate...
AS15 3036	DYKDDDDK (binds to Sigma FLAG®) (mouse antibody, monoclonal, Clone 1E6)	36242043	Jiang et al. (2022) CEF3 is involved in membrane trafficking and essential for...
AS15 3036	DYKDDDDK (binds to Sigma FLAG®) (mouse antibody, monoclonal, Clone 1E6)	32010220	Dural et al. (2020). Increased ethylene production by overexpressing phosphoe...
AS15 3036	DYKDDDDK (binds to Sigma FLAG®) (mouse antibody, monoclonal, Clone 1E6)		Wardhan et al. (2017). Chickpea transcription factor CaTLP1 interacts with pro...
AS15 3037	DYKDDDDK (binds to Sigma FLAG®) (rabbit antibody, polyclonal)		Saless-Smith et al. (2018). Overexpression of Rubisco subunits with RAF1 incr...
AS15 2871	DYKDDDDK (binds to Sigma FLAG®, clone FG4R)	29263352	Shin et al. (2017). Complementation of a mutation in CpSRP43 causing partial t...
AS17 4156	ECA1 Calcium-transporting ATPase 1, endoplasmic reticulum-type		Wu et al. (2000). An endoplasmic reticulum-bound Ca(2+)/Mn(2+) pump, ECA1, sup...
AS17 4156	ECA1 Calcium-transporting ATPase 1, endoplasmic reticulum-type		Liang et al. (1997). ECA1 complements yeast mutants defective in Ca2+ pumps an...
AS13 2751	EDS1 Enhanced disease susceptibility 1	35851623	Li et al. (2022) Plasma membrane-nucleo-cytoplasmic coordination of a receptor...
AS13 2751	EDS1 Enhanced disease susceptibility 1		Chang et al. (2019). PBS3 Protects EDS1 from Proteasome-Mediated Degradation i...
AS13 2751	EDS1 Enhanced disease susceptibility 1		Chakraborty et al. (2018). Epigenetic and transcriptional control of chickpea ...
AS10 934	eEF1a Elongation factor 1-alpha		Pan et al. (2021) Post-Golgi Trafficking of Rice Storage Proteins Requires the...
AS10 934	eEF1a Elongation factor 1-alpha	31949008	Ren et al. (2020). GPA5 Encodes a Rab5a Effector Required for Post-Golgi Traff...
AS10 934	eEF1a Elongation factor 1-alpha		Djukić et al. (2019). Expression of protein synthesis elongation factors in wi...
AS10 934	eEF1a Elongation factor 1-alpha	28441533	Foley et al. (2017). A Global View of RNA-Protein Interactions Identifies Post...
AS07 265	eEF1b Elongation factor 1-beta	22545728	Lazaro-Mixteco et al. (2012). The Absence of Heat Shock Protein HSP101 Affects...
AS10 679	eEF1B-alpha2 elongation factor 1B-alpha 2	31113833	McLoughlin et al. (2019) HSP101 Interacts with the Proteasome and Promotes the...
AS10 679	eEF1B-alpha2 elongation factor 1B-alpha 2	27474115	McLoughlin et al. (2016) Class I and II Small Heat Shock Proteins Together wit...
AS10 677	eEF1B-beta1 and 2 elongation factor 1-beta1 and 1-beta2	31113833	McLoughlin et al. (2019) HSP101 Interacts with the Proteasome and Promotes the...
AS10 677	eEF1B-beta1 and 2 elongation factor 1-beta1 and 1-beta2	27474115	McLoughlin et al. (2016) Class I and II Small Heat Shock Proteins Together wit...
AS10 676	eEF1B-gamma1 and 2 elongation factor 1-gamma 1 and 2	31113833	McLoughlin et al. (2019) HSP101 Interacts with the Proteasome and Promotes the...
AS10 676	eEF1B-gamma1 and 2 elongation factor 1-gamma 1 and 2	27474115	McLoughlin et al. (2016) Class I and II Small Heat Shock Proteins Together wit...
AS11 1633	EF1A Elongation factor 1-alpha / EF-1-alpha		Marković et al. (2021)Correlation of elongation factor 1A accumulation with ph...
AS11 1633	EF1A Elongation factor 1-alpha / EF-1-alpha	31361942	Djukić et al. (2019). Resolving subcellular plant metabolism. Plant J. 2019 Ju...
AS11 1633	EF1A Elongation factor 1-alpha / EF-1-alpha	30058028	Zhen et al. (2018). 2D-DIGE comparative proteomic analysis of developing wheat...
AS11 1633	EF1A Elongation factor 1-alpha / EF-1-alpha	27803308	Wang et al. (2016). GOLGI TRANSPORT 1B Regulates Protein Export from the Endop...
AS13 2652	EF-G1 elongation factor G1		Barria et al. (2019). Pneumococcal RNase R globally impacts protein synthesis ...
AS20 4512	EGFP, S65T-GFP, RS-GFP, YFP Green Fluorescence Protein and its variants	28266535	Tatsumi et al. (2017). G196 epitope tag system: a novel monoclonal antibody, ...
AS19 4251	eIF4A Eukaryotic initiation factor eIF4A	34606612	Li et al. (2021) Efficient and high-throughput pseudorecombinant-chimeric Cucu...

AS12 1865	EIN2 Ethylene insensitive 2	36650156	Ormancey et al. (2023) Complementary peptides represent a credible alternative...
AS19 4273	EIN3 Ethylene insensitive 3	36690618	Park et al. (2023) Ethylene-triggered subcellular trafficking of CTR1 enhances...
AS19 4273	EIN3 Ethylene insensitive 3		Gagne et al. (2004). Arabidopsis EIN3-binding F-box 1 and 2 form ubiquitin-pro...
AS18 4168	ELF3 Early Flowering 3	36655421	Seo et al. (2023) ZTL regulates thermomorphogenesis through TOC1 and PRR5 [pub...
AS18 4168	ELF3 Early Flowering 3	35733265	Andrade et al. (2022) The evening complex integrates photoperiod signals to co...
AS18 4168	ELF3 Early Flowering 3	35733265	Andrade, Lu, Cordeiro, et al. (2022) The evening complex integrates photoperio...
AS03 036	Elip2 Early light inducible protein 2		Yao et al. (2015). Ultraviolet-B protection of ascorbate and tocopherol in pla...
AS03 036	Elip2 Early light inducible protein 2		Andersson et al. (2003). Light stress-induced one-helix protein of the chlorop...
AS03 036	Elip2 Early light inducible protein 2		Heddad & Adamska (2000). Light stress-regulated two-helix proteins in Arabidop...
AS10 651	Enolase 2	32908151	Zhang et al. (2020). A moonlighting role for enzymes of glycolysis in the co-l...
AS10 651	Enolase 2	28556250	Zhang et al. (2018). Nitric oxide induces monosaccharide accumulation through ...
AS10 651	Enolase 2	19279196	Chen et al.(2009) System analysis of an Arabidopsis mutant altered in de novo ...
AS16 3119	EPSP synthase 3-phosphoshikimate 1-carboxyvinyltransferase (chloroplastic)		Fernandez-Escalada et al. (2016). Characterization of the Amaranthus palmeri P...
AS19 4312	EPYC1 Essential Pyrenoid Component 1		Burlacot et al. (2022) Alternative photosynthesis pathways drive the algal CO2...
AS19 4317	ERD7 Early Response to Dehydration 7	33165601	Barajas-Lopez et al. (2021) EARLY RESPONSE TO DEHYDRATION 7 Remodels Cell Memb...
AS05 056	ExoS Exoenzyme S		Feng et al. (2019): Tanshinones: First-in-Class Inhibitors of the Biogenesis of...
AS05 056	ExoS Exoenzyme S	28396545	Anantharajah et al. (2017). Salicylidene acylhydrazides and hydroxyquinolines ...
AS05 056	ExoS Exoenzyme S	27412581	Anantharajah et al. (2016). Inhibition of the Injectisome and Flagellar Type I...
AS21 4692-1ml	Extensin Glycoprotein (monoclonal, clone JIM11)	9304856	Davies , Daniels , Dow. (1997) Induction of extracellular matrix glycoprotein...
AS21 4693-1ml	Extensin Glycoprotein (monoclonal, clone JIM12)	9304856	Davies , Daniels , Dow. (1997) Induction of extracellular matrix glycoprotein...
AS22 4818-1ml	Extensin Glycoprotein (monoclonal, clone JIM19)	9304856	Davies et al. (1997) Induction of extracellular matrix glycoproteins in Brassi...
AS22 4818-1ml	Extensin Glycoprotein (monoclonal, clone JIM19)		Wang. et al. (1995) The monoclonal antibody JIM19 modulates abscisic acid acti...
AS22 4819-1ml	Extensin Glycoprotein (monoclonal, clone JIM20)	9304856	Davies et al. (1997) Induction of extracellular matrix glycoproteins in Brassi...
AS22 4819-1ml	Extensin Glycoprotein (monoclonal, clone JIM20)		Wang. et al. (1995) The monoclonal antibody JIM19 modulates abscisic acid acti...
AS18 4210	Extensin glycoprotein (monoclonal, clone LM1)	9304856	Davies et al. (2010). Induction of extracellular matrix glycoproteins in Brass...
AS18 4210	Extensin glycoprotein (monoclonal, clone LM1)	7544182	Smallwood et al. (1995). An epitope of rice threonine- and hydroxyproline-rich...
AS16 4093	FBA Fructose-bisphosphate aldolase 1 (chloroplastic)		Fukayama et al. (2018). Expression level of Rubisco activase negatively correl...
AS16 4093	FBA Fructose-bisphosphate aldolase 1 (chloroplastic)		Perlikowski et al. (2016). Water deficit affects primary metabolism differentl...
AS19 4319	FBPase1 Fructose-1,6-bisphosphatase 1, chloroplastic (chloroplastic marker in photosynthe	35115512	Lim et al (2022). Arabidopsis guard cell chloroplasts import cytosolic ATP for...
AS19 4319	FBPase1 Fructose-1,6-bisphosphatase 1, chloroplastic (chloroplastic marker in photosynthe	35946785	Penzler et al. (2022) Commonalities and specialities in photosynthetic function...
AS19 4319	FBPase1 Fructose-1,6-bisphosphatase 1, chloroplastic (chloroplastic marker in photosynthetic tissues)		Wang et al. (2022), Arabidopsis Ubiquitin-Conjugating Enzymes UBC4, UBC5, and ...
AS17 4116	FCP Fucoxanthin Chl a/c protein		Bentley et al. (2005). Investigation of PSI-associated light-harvesting protei...
AS11 1757	Fd Ferredoxin 1 (chloroplastic)	19586916	Terrauchi et al. (2009). Pattern of expression and substrate specificity of ch...
AS20 4434	Fd1 Ferredoxin 1 (chloroplastic)	18673322	Hanke and Hase (2008). Variable Photosynthetic Roles of Two Leaf-Type Ferred...
AS20 4434	Fd1 Ferredoxin 1 (chloroplastic)	16666683	Kimata and Hase (1989). Localization of Ferredoxin Isoproteins in Mesophyll an...
AS20 4431	Fd1, Fd2, Fd3, Fd4 Ferredoxin 1,2,3,4	16668188	Hase et al. (1991). Molecular Cloning and Differential Expression of the Maiz...
AS20 4433	Fd2 Ferredoxin 2 (chloroplastic)	23788722	Ramirez et al. (2013). Glutathione and ascorbic acid protect Arabidopsis plant...
AS20 4433	Fd2 Ferredoxin 2 (chloroplastic)	14684843	Hanke et al. (2004). A post genomic characterizationof Arabidopsis ferredoxins...
AS20 4432	Fd3 Ferredoxin 3	18673322	Hanke and Hase (2008). Variable Photosynthetic Roles of Two Leaf-Type Ferredox...
AS20 4432	Fd3 Ferredoxin 3	14684843	Hanke et al. (2003). A Post Genomic Characterization of Arabidopsis Ferredoxi...
AS20 4432	Fd3 Ferredoxin 3	9193097	Matsumura et al. (1997). A Nitrate-Inducible Ferredoxin in Maize Roots. Genomi...
AS20 4430	FdC1 Ferredoxinx-C1	20966083	Voss et al. (2011). FdC1, a Novel Ferredoxin Protein Capable of Alternative ...
AS20 4428	Fd-GOGAT Ferredoxin-dependent Glutamate synthase	25271437	Ariga and Hase (2014). Multiple complexes of nitrogen assimilatory enzymes in ...
AS20 4428	Fd-GOGAT Ferredoxin-dependent Glutamate synthase	1989968	Sakaibara et al. (1991). Molecular cloning and characterization of complementa...
AS06 121	FDX1 Ferredoxin	29736931	Cvetkovska et al. (2018). Characterization of photosynthetic ferredoxin from t...
AS06 121	FDX1 Ferredoxin	29575329	Jokel et al. (2018). Hunting the main player enabling Chlamydomonas reinhardt...
AS06 121	FDX1 Ferredoxin	28479323	Georg et al. (2017). Acclimation of Oxygenic Photosynthesis to Iron Starvation...
AS06 121	FDX1 Ferredoxin	28103400	Hu et al. (2017). The SUFBC2 D Complex is Required for the Biogenesis of All M...
AS06 121	FDX1 Ferredoxin		Higuchi et al. (2011). Modulation of macronutrient metabolism in barley leaves...
AS16 3114	Fdx2 Ferredoxin 2		Terrauchi et al. (2009). Pattern of expression and substrate specificity of ch...
AS07 224	Fdx3 Ferredoxin 3	19586916	Terrauchi et al. (2009). Pattern of expression and substrate specificity of ch...
AS07 223	Fdx6 Ferredoxin 6	19586916	Terauchi et al. (2009). Pattern of expression and substrate specificity of chl...
AS10 674	FER Ferritin (plant)	27002973	Kovacs et al. (2016). Revisiting the iron pools in cucumber roots: identificat...

AS06 126	Fer1 Ferritin 1 (pre-apoferritin)	18493046	Long et al. (2008) Genetics 179: 137-147...
AS06 196	Fer2 Ferritin 2	18493046	Long et al. (2008) Genetics 179: 137-147...
AS20 4429	Ferredoxin, apicoplast (Plasmodium falciparum)	17251200	Kimata and Ariga et al. (2007). Cloning and Characterization of Ferredoxin an...
AS20 4429	Ferredoxin, apicoplast (Plasmodium falciparum)	17289446	Kabayashi et al. (2007). Mitochondria and Apicoplast of Plasmodium Falciparum:...
AS15 2898	Ferritin 1-2 (plant)	35618056	Jiang et al. (2022) Reactive effects of pre-sowing magnetic field exposure on ...
AS15 2898	Ferritin 1-2 (plant)		Bastow et al. (2018). Vacuolar Iron Stores Gated by NRAMP3 and NRAMP4 Are the ...
AS18 4212	Ferulated polysaccharides (monoclonal, clone LM12)	22988248	Pedersen et a. (2012). Versatile high resolution oligosaccharide microarrays f...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase		Burlacot et al. (2022) Alternative photosynthesis pathways drive the algal CO2...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase		Fortunato et al. (2022) GUN1 involvement in the redox changes occurring during...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase	32034599	Konkolewska et al. (2020). Combined use of companion planting and PGPR for the...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase	31827608	Jokel et al. (2020). Elimination of the flavodiiron electron sink facilitates ...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase	31356742	Shull et al. (2019). Anatase TiO2 nanoparticles induce autophagy and chloropla...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase	31093688	Mermod et al. (2019). SQUAMOSA promoter-binding protein-like 7 mediates copper...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase	30108371	Chen et al. (2018). The molecular chaperon AKR2A increases the mulberry chilli...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase	29784767	Bastow et al. (2018). Vacuolar Iron Stores Gated by NRAMP3 and NRAMP4 Are the ...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase		Hura et al. (2018). Rieske iron-sulfur protein of cytochrome-b6f is involved i...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase	29957573	Balazova et al. (2018). Zinc oxide nanoparticles phytotoxicity on halophyte fr...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase	29575329	Jokel et al. (2018). Hunting the main player enabling Chlamydomonas reinhardtii...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase	28386962	Volgusheva et al. (2017). Comparative analyses of H2 photoproduction in magnes...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase		Momcilovic et al. (2014). Improved procedure for detection of superoxide dismu...
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase	24989042	Dang et al. (2014). Combined Increases in Mitochondrial Cooperation and Oxygen...
IMS02-038-341	Fibrinogen		Kinzebach et al. (2013). Functional and differential proteomic analyses to ide...
IMS06-038-312	Fibrinogen, Biotin conjugated		Kinzebach et al. (2013). Functional and differential proteomic analyses to ide...
IMS09-038-335	Fibrinogen, labelled with fluorescein		Terada et al. (2014). Effects of riboflavin and ultraviolet light treatment on...
IMS09-038-335	Fibrinogen, labelled with fluorescein		Schmidt et al. (2012). Phenotyping of Staphylococcus aureus reveals a new viru...
AS09 550	Ficin ficin		Dini et al (2021) An Extract from Ficus carica Cell Cultures Works as an Anti-...
AS12 1857	FLS2 Flagellin-sensitive 2	35614138	Kalischuk et al. (2022) Amplification of cell signaling and disease resistance...
AS12 1857	FLS2 Flagellin-sensitive 2	33692545	Ngou et al. (2021) Mutual potentiation of plant immunity by cell-surface and i...
AS12 1857	FLS2 Flagellin-sensitive 2	34918346	Wang et al. (2021) Arabidopsis PUB2 and PUB4 connect signaling components of p...
AS12 1857	FLS2 Flagellin-sensitive 2	32690691	Hilleary et al. (2020). Tonoplast-localized Ca2+ pumps regulate Ca2+ signals d...
AS12 1857	FLS2 Flagellin-sensitive 2	30552820	Zhang et al. (2019). An important role of L -fucose biosynthesis and protein f...
AS12 1857	FLS2 Flagellin-sensitive 2	30508598	Yang et al. (2019). A Plant Immune Receptor Degraded by Selective Autophagy. M...
AS12 1857	FLS2 Flagellin-sensitive 2	30552820	Zhang et al. (2018). An important role of L -fucose biosynthesis and protein f...
AS12 1857	FLS2 Flagellin-sensitive 2	30212650	Zhang et al. (2018). The MAP4 Kinase SIK1 Ensures Robust Extracellular ROS Bur...
AS12 1857	FLS2 Flagellin-sensitive 2	29649442	Lal et al. (2018). The Receptor-like Cytoplasmic Kinase BIK1 Localizes to the ...
AS12 2618	FMR Fumarate reductase		Subramanian et al. (2014). Profiling Chlamydomonas Metabolism under Dark, Anox...
AS20 4435	FNR Ferredoxin NADP Reductase (Plasmodium falciparum)	17251200	Kimata-Arigo et al. (2007). Cloning and Characterization of Ferredoxin and fer...
AS20 4435	FNR Ferredoxin NADP Reductase (Plasmodium falciparum)	17251200	Kimata-Arigo et al. (2007). Cloning and Characterization of Ferredoxin and fe...
AS20 4436	FNR Ferredoxin NADP Reductase (root)	27615794	Hachiya et al. (2016). Arabidopsis Root-Type Ferredoxin:NADP(H) Oxidoreductase...
AS20 4436	FNR Ferredoxin NADP Reductase (root)	27615794	Hachiya et al. (2016). Arabidopsis Root-Type Ferredoxin:NADP(H) Oxidoreductase...
AS20 4436	FNR Ferredoxin NADP Reductase (root)	10889253	Onda et al. (2000). Differential Interaction of Maize Root ferredoxin:NADP(+)
AS20 4436	FNR Ferredoxin NADP Reductase (root)	10889253	Onda et al. (2000). Differential Interaction of Maize Root ferredoxin:NADP(+)
AS15 2909	FNR Ferredoxin-NADP+-oxidoreductase	31904850	Zhang et al. (2020). Enhanced Relative Electron Transport Rate Contributes To ...
AS20 4439	FNR1 Ferredoxin NADP Reductase, isoprotein 1 (leaf)	22805436	Twachtmann et al. (2012). N-terminal Structure of Maize ferredoxin:NADP+ Reduc...
AS20 4439	FNR1 Ferredoxin NADP Reductase, isoprotein 1 (leaf)	22805436	Twachtmann et al. (2012). N-terminal Structure of Maize ferredoxin:NADP+ Reduc...
AS20 4439	FNR1 Ferredoxin NADP Reductase, isoprotein 1 (leaf)	10889253	Onda et al. (2000). Differential Interaction of Maize Root ferredoxin:NADP(+)
AS20 4439	FNR1 Ferredoxin NADP Reductase, isoprotein 1 (leaf)	10889253	Onda et al. (2000). Differential Interaction of Maize Root ferredoxin:NADP(+)
AS20 4438	FNR2 Ferredoxin NADP Reductase, isoprotein 2 (leaf)	22805436	Twachtmann et al. (2012). N-terminal Structure of Maize ferredoxin:NADP+ Reduc...
AS20 4438	FNR2 Ferredoxin NADP Reductase, isoprotein 2 (leaf)	22805436	Twachtman et al. (2012). N-terminal Structure of Maize ferredoxin:NADP+ Reduc...
AS20 4437	FNR3 Ferredoxin NADP Reductase, isoprotein 3 (leaf)	16244136	Okutani et al. (2005). Three Maize Leaf ferredoxin:NADPH Oxidoreductases Vary ...
AS20 4437	FNR3 Ferredoxin NADP Reductase, isoprotein 3 (leaf)	16244136	Okutani et al. (2005). Three Maize Leaf ferredoxin:NADPH Oxidoreductases Vary...
AS19 4323	FNRL Ferredoxin-NADP+ oxidoreductase-like		Koskela et al. (2018). Arabidopsis FNRL protein is a NADPH-dependent chlorop...
AS06 120	FOX1 plasma membrane ferroxidase FLP1	25646490	Kropat et al. (2015). Copper economy in Chlamydomonas: Prioritized allocation ...

AS06 120	FOX1 plasma membrane ferroxidase FLP1		LaFontaine et al. (2002) Copper-Dependent Iron Assimilation Pathway in the Mod...
AS06 198	FT/TSF Flowering locus T and twin sister of FT		Liang and Ow et al. (2019). Nucleocytoplasmic OXIDATIVE STRESS 2 can relocate...
AS06 198	FT/TSF Flowering locus T and twin sister of FT	31726375	Nakamura et al. (2019). High-Resolution Crystal Structure of Arabidopsis FLOWE...
AS07 251	FtsH10 ATP-dependent zinc metalloprotease FtsH10 (mitochondrial)	29462458	Kolodziejczak et al. (2018). m-AAA Complexes Are Not Crucial for the Survival ...
AS07 251	FtsH10 ATP-dependent zinc metalloprotease FtsH10 (mitochondrial)	25896400	Piechota et al. (2015). Unraveling the functions of type II-prohibitins in Ara...
AS07 251	FtsH10 ATP-dependent zinc metalloprotease FtsH10 (mitochondrial)	23723321	Kwasniak et al. (2013). Silencing of the Nuclear RPS10 Gene Encoding Mitochond...
AS07 251	FtsH10 ATP-dependent zinc metalloprotease FtsH10 (mitochondrial)	21790815	Quesada et al. (2011). Arabidopsis RUGOSA2 encodes an mTERF family member requ...
AS11 1789	FtsH1-11 ATP-dependent zinc metalloprotease FtsH1-11	31249292	Dogra et al. (2019). Oxidative post-translational modification of EXECUTER1 is...
AS11 1789	FtsH1-11 ATP-dependent zinc metalloprotease FtsH1-11		Li et al. (2016). A Hard Day's Night: Diatoms Continue Recycling Photosystem I...
AS11 1789	FtsH1-11 ATP-dependent zinc metalloprotease FtsH1-11	25897076	Tietz et al. (2015). Functional Implications of Photosystem II Crystal Formati...
AS11 1789	FtsH1-11 ATP-dependent zinc metalloprotease FtsH1-11	23504483	Campbell et al. (2013). Photosystem II protein clearance and FtsH function in ...
AS11 1789S	FtsH2 FtsH2 positive control/quantitation standard		Li et al. (2016). A Hard Day's Night: Diatoms Continue Recycling Photosystem I...
AS07 204	FtsH3 + FtsH10 ATP-dependent zinc metalloprotease FtsH3 + FtsH10 (mitochondrial)	29462458	Kolodziejczak et al. (2018). m-AAA Complexes Are Not Crucial for the Survival ...
AS07 204	FtsH3 + FtsH10 ATP-dependent zinc metalloprotease FtsH3 + FtsH10 (mitochondrial)	20172857	Piechota et al. (2010). Identification and characterization of high-molecular-w...
AS07 205	FtsH4 ATP-dependent zinc metalloprotease FtsH4 (mitochondrial)	29156584	Opalinska et al. (2017). Identification of Physiological Substrates and Bindin...
AS07 205	FtsH4 ATP-dependent zinc metalloprotease FtsH4 (mitochondrial)	27321362	Dolzbiasz et al. (2016). The mitochondrial protease AtFTSH4 safeguards Arabido...
AS07 205	FtsH4 ATP-dependent zinc metalloprotease FtsH4 (mitochondrial)	25617518	Rurek et al. (2015). Biogenesis of mitochondria in cauliflower (Brassica olera...
AS07 205	FtsH4 ATP-dependent zinc metalloprotease FtsH4 (mitochondrial)	24482432	Zhang et al. (2014). Perturbation of auxin homeostasis caused by mitochondrial...
AS07 205	FtsH4 ATP-dependent zinc metalloprotease FtsH4 (mitochondrial)	23723321	Kwasniak et al. (2013). Silencing of the Nuclear RPS10 Gene Encoding Mitochond...
AS05 094A	FtsH6 ATP-dependent zinc metalloprotease FtsH6 (chloroplatic)	35705109	Sedaghatmehr et al. (2022) Heat shock factor HSF2A fine-tunes resetting of the...
AS05 094A	FtsH6 ATP-dependent zinc metalloprotease FtsH6 (chloroplatic)	27561243	Sedaghatmehr et al. (2016). The plastid metalloprotease FtsH6 and small heat s...
AS10 715	FtsZ Prokaryotic cell division GTPase	35879454	Zhao, Zhao & Nie (2022) Nanocarriers based on bacterial membrane materials for ...
AS10 715	FtsZ Prokaryotic cell division GTPase	32071268	Ranjit et al. (2020). Chlamydial MreB Directs Cell Division and Peptidoglycan ...
AS10 715	FtsZ Prokaryotic cell division GTPase	32173527	Vedyaykin et al. (2020). SulA is able to block cell division in Escherichia co...
AS10 715	FtsZ Prokaryotic cell division GTPase	30397005	Sekar et al. (2018). Synthesis and degradation of FtsZ quantitatively predict ...
AS10 715	FtsZ Prokaryotic cell division GTPase	30204770	Muckl et al. (2018). Filamentation and restoration of normal growth in Escheri...
AS10 715	FtsZ Prokaryotic cell division GTPase	25221974	Pende et al. (2014). Size-independent symmetric division in extraordinarily lo...
AS10 715	FtsZ Prokaryotic cell division GTPase	24506818	Soderstrom et al. (2014). Disassembly of the divisome in Escherichia coli: Evi...
AS07 217	FtsZ Prokaryotic cell division GTPase (cyanobacterial)	32066776	Kurmayer et al. (2020). Chemically labeled toxins or bioactive peptides show a...
AS07 217	FtsZ Prokaryotic cell division GTPase (cyanobacterial)	30474628	Zhan et al. (2018). Photobleaching Enables Super-resolution Imaging of the Fts...
AS07 217	FtsZ Prokaryotic cell division GTPase (cyanobacterial)		MacCreedy et al. (2016). Robust Min-System Oscillation in the Presence of inte...
AS07 217	FtsZ Prokaryotic cell division GTPase (cyanobacterial)	25425419	Probst et al. (2014). Biology of a widespread uncultivated archaeon that contr...
AS07 217	FtsZ Prokaryotic cell division GTPase (cyanobacterial)	24602296	Miyagishima et al. (2014). DipM is required for peptidoglycan hydrolysis durin...
AS07 217	FtsZ Prokaryotic cell division GTPase (cyanobacterial)		Plominsky et al. (2013). Dinitrogen Fixation Is Restricted to the Terminal Het...
AS07 217	FtsZ Prokaryotic cell division GTPase (cyanobacterial)	20359373	Kabeya et al. (2010). The YlmG protein has a conserved function related to the ...
AS07 268	Fucose	30552820	Zhang et al. (2018). An important role of L-fucose biosynthesis and protein f...
AS07 268	Fucose	29969180	Jansing et al. (2018). CRISPR/Cas9-mediated knockout of six glycosyltransferas...
AS07 268	Fucose	28368034	Nakanishi et al. (2017). Protection of Human Colon Cells from Shiga Toxin by P...
AS07 268	Fucose	28160363	Hanania et al. (2017). Establishment of a tobacco BY2 cell line devoid of plan...
AS07 268	Fucose	25804536	Ebert et al. (2015). Identification and Characterization of a Golgi-Localized ...
AS07 268	Fucose	25301888	Lehtimäki et al. (2014). Posttranslational modifications of FERREDOXIN-NADP+ O...
AS07 268	Fucose		Balet et al. (2010). N-glycans of Phaeodactylum tricornutum diatom and functi...
AS16 3136	Fucosylated xyloglucan (clone CCRC-M1)	32197084	Aryal et al. (2020). Interplay Between Cell Wall and Auxin Mediates the Contro...
AS16 3136	Fucosylated xyloglucan (clone CCRC-M1)		Plancot et al. (2018). Desiccation tolerance in plants: Structural characteriz...
AS16 3136	Fucosylated xyloglucan (clone CCRC-M1)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3136	Fucosylated xyloglucan (clone CCRC-M1)	20363856	Pattathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS00 001	FVIIa Coagulation factor VIIa		Lopez-Vilchez et al. (2009). Traffic of rFVIIa through Endothelial Cells and R...
AS00 001-500	FVIIa Coagulation factor VIIa (500 µg)		Lopez-Vilchez et al. (2009). Traffic of rFVIIa through Endothelial Cells and R...
AS11 1631	GAI DELLA protein GAI		Gorshkova & Pojidaeva (2021). Members of the Universal Stress Protein Family a...
AS11 1631	GAI DELLA protein GAI		Shahneiat-Bushehri et al. (2016). Arabidopsis NAC transcription factor JUB1 re...
AS16 3116	Galactomannan-1 (clone CCRC-M70)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3116	Galactomannan-1 (clone CCRC-M70)	20363856	Pattathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS20 4494	Galactomannan-2 (clone CCRC-M166)	25911738	Pattathil et al. (2015). Insights into plant cell wall structure, architecture...

AS20 4495	Galactomannan-2 (clone CCRC-M168)	20363856	Pattathil et al. (2020). A comprehensive toolkit of plant cell wall glycan-dir...
AS17 4114	Gamma CA Gamma Carbonic anhydrases		Chen et al. (2019). Composition of Mitochondrial Complex I during the Critical...
AS17 4114	Gamma CA Gamma Carbonic anhydrases		Kuhn et al. (2015). Complete Mitochondrial Complex I Deficiency Induces an Up...
AS06 186	Gamma-ECS Gamma glutamylcysteine synthase	31249301	Shull et al. (2019). Anatase TiO2 nanoparticles induce autophagy and chloropla...
AS06 186	Gamma-ECS Gamma glutamylcysteine synthase	29957573	Balazova et al. (2018). Zinc oxide nanoparticles phytotoxicity on halophyte fr...
AS06 186	Gamma-ECS Gamma glutamylcysteine synthase		Sobrinho-Plata et al. (2014). Glutathione is a key antioxidant metabolite to co...
AS06 186	Gamma-ECS Gamma glutamylcysteine synthase	21234598	Ghanta et al. (2011). Nicotiana tabacum overexpressing γ-ECS exhibits biotic ...
AS11 1811	Gamma-glutamyl-cysteine	22050910	Koffler et al. (2011). Subcellular distribution of glutathione precursors in Ar...
AS15 2894	GAPC1/2 Glycerdehyde-3-phosphate dehydrogenase	36111506	Kim, Yao, Zhang, Wang. (2022) Phospholipase Ddelta and phosphatidic acid media...
AS15 2894	GAPC1/2 Glycerdehyde-3-phosphate dehydrogenase	31904511	Zhu et al. (2020). The RALF1-FERONIA Complex Phosphorylates eIF4E1 to Promote ...
AS05 074	GDC-H H protein of glycine decarboxylase complex (GDC)	36695030	Rohrlich et al. (2023) Mitochondrial ferredoxin-like is essential for forming ...
AS05 074	GDC-H H protein of glycine decarboxylase complex (GDC)	34545493	Schafer et al. (2021) Assessment of Mitochondrial Protein Topology and Membran...
AS05 074	GDC-H H protein of glycine decarboxylase complex (GDC)	34718778	Przybyla-Toscano et al. (2021) Protein lipoylation in mitochondria requires Fe...
AS05 074	GDC-H H protein of glycine decarboxylase complex (GDC)	31906418	Guralnick et al. (2020). The Development of Crassulacean Acid Metabolism (CAM)...
AS05 074	GDC-H H protein of glycine decarboxylase complex (GDC)	30900791	Rethore et al. (2019). Arabidopsis seedlings display a remarkable resilience u...
AS05 074	GDC-H H protein of glycine decarboxylase complex (GDC)	28977710	Lynch et al. (2017). Multifaceted plant responses to circumvent Phe hyperaccum...
AS05 074	GDC-H H protein of glycine decarboxylase complex (GDC)	26228564	Bancel et al. (2015). Proteomic Approach to Identify Nuclear Proteins in Wheat...
AS05 074	GDC-H H protein of glycine decarboxylase complex (GDC)	25828647	Long et al. (2015). Contributions of photosynthetic and non-photosynthetic cel...
AS05 074	GDC-H H protein of glycine decarboxylase complex (GDC)		Cordoba-Canero et al. (2011). Arabidopsis ARP endonuclease functions in a bran...
AS09 454	GDE / AGL Glycogen debranching enzyme	30403777	Sottnik et al. (2018). Elucidating the role of Agl in bladder carcinogenesis b...
AS09 454	GDE / AGL Glycogen debranching enzyme		Richmond et al. (2018). Glycogen debranching enzyme (AGL) is a novel regulator...
AS09 454	GDE / AGL Glycogen debranching enzyme	27595989	Oldenburg et al. (2016). CD44 and RHAMM are essential for rapid growth of blad...
AS09 454	GDE / AGL Glycogen debranching enzyme	25092169	Pagliarani et al. (2014). Glycogen storage disease type III: A novel Agl knock...
AS05 068	GDH1 Glutamate dehydrogenase 1	25205573	Sarasketa et al. (2014). Exploring ammonium tolerance in a large panel of Arab...
AS05 068	GDH1 Glutamate dehydrogenase 1		Tsilikochrisos et al. (2014). Glutamate dehydrogenase is differentially regula...
AS16 4034	GDH2 Glutamate dehydrogenase 2		Lehmann et al. (2011). Organ-specific expression of glutamate dehydrogenase (G...
AS18 4227	GFP Green fluorescent protein (VENUS)		Baiden et al. (2022) Heterologous expression of antimicrobial peptides S-thana...
AS15 2987	GFP Green Fluorescence Protein (affinity purified)	36648110	Hu et al. (2023) Spatiotemporal formation of the large vacuole regulated by th...
AS15 2987	GFP Green Fluorescence Protein (affinity purified)	35900211	Kalachova et al. (2022) DIACYLGLYCEROL KINASE 5 Participates in Flagellin-Ind...
AS15 2987	GFP Green Fluorescence Protein (affinity purified)	36307477	Bellinvia, Garcia-Gonzalez J, Cifrova P, et al. (2022) CRISPR-Cas9 Arabidopsis...
AS15 2987	GFP Green Fluorescence Protein (affinity purified)	34348894	Sun et al. (2021) The epigenetic factor FVE orchestrates cytoplasmic SGS3-DRB4...
AS15 2987	GFP Green Fluorescence Protein (affinity purified)	34680040	Stelate et al. (2021) Correlative Light-Environmental Scanning Electron Micros...
AS15 2987	GFP Green Fluorescence Protein (affinity purified)	33092281	Wieczorek et al. (2020) Development of a New Tomato Torrado Virus-Based Vecto...
AS15 2987	GFP Green Fluorescence Protein (affinity purified)		Kulich et al. (2018). Deubiquitinase OTU5 affects Root Responses to Phosphate ...
AS15 3000	GFP Green Fluorescence Protein (protein A purified)	33092281	Wieczorek et al. (2020) Development of a New Tomato Torrado Virus-Based Vector...
AS20 4511	GFP Green Fluorescence Protein, clone 1A5 (rat monoclonal)	26388943	Maehara et al. (2015). issue-specific expression of histone H3 variants diver...
AS20 4511	GFP Green Fluorescence Protein, clone 1A5 (rat monoclonal)	22665369	Okazaki et al. (2012). Nuclear localization signal in a cancer-related transcr...
AS15 3001	GFP Green Fluorescence Protein, peroxidase conjugated	35122385	Pecenkova et al. (2022) Immunity functions of Arabidopsis pathogenesis-related...
AS14 2800	GID1c Gibberellin receptor GID1C		Hauvermale et al. (2015). Loss of Arabidopsis thaliana seed dormancy is associ...
AS06 182	GLDH Galactono-1,4 lactone dehydrogenase	36695030	Rohrlich et al. (2023) Mitochondrial ferredoxin-like is essential for forming ...
AS06 182	GLDH Galactono-1,4 lactone dehydrogenase		Chen et al. (2019). Composition of Mitochondrial Complex I during the Critical...
AS06 182	GLDH Galactono-1,4 lactone dehydrogenase	26520835	Schimmeyer et al. (2016). L-Galactono-1,4-lactone dehydrogenase is an assembly...
AS06 182	GLDH Galactono-1,4 lactone dehydrogenase		Ostaszewska-Bugajska et al. (2016). Changes in the OXPHOS system in leaf and r...
AS06 182	GLDH Galactono-1,4 lactone dehydrogenase		Bartoli et al. (2005). Ascorbate content in wheat leaves is not determined by ...
AS20 4370	GLDP Glycine decarboxylase P protein	31611421	Khoshravesh et al. (2020). The Evolutionary Origin of C4 Photosynthesis in the...
AS08 295	GLN1 GLN2 GS1 GS2 glutamine synthetase global antibody	36562188	Ding, Lv, Hu, et al. (2022) Phytosulfokine peptide optimizes plant growth and ...
AS08 295	GLN1 GLN2 GS1 GS2 glutamine synthetase global antibody	34929502	Maresca et al. (2021) Biological responses to heavy metal stress in the moss L...
AS08 295	GLN1 GLN2 GS1 GS2 glutamine synthetase global antibody	31026500	Silva et al. (2019). Characterization of plant glutamine synthetase S-nitrosat...
AS08 295	GLN1 GLN2 GS1 GS2 glutamine synthetase global antibody		Wang et al. (2018). Response of Gracilaria lemaneiformis to nitrogen deprivation...
AS08 295	GLN1 GLN2 GS1 GS2 glutamine synthetase global antibody	28428141	Witzel et al. (2017). Temporal impact of the vascular wilt pathogen Verticilli...
AS08 295	GLN1 GLN2 GS1 GS2 glutamine synthetase global antibody		Silva et al. (2015). Possible role of glutamine synthetase of the prokaryotic ...
AS08 295	GLN1 GLN2 GS1 GS2 glutamine synthetase global antibody	23574048	Podgorska et al. (2013). Long-term ammonium nutrition of Arabidopsis increases...
AS08 295	GLN1 GLN2 GS1 GS2 glutamine synthetase global antibody	22171633	Brouwer et al. (2011) TheImpact ofLightIntensity onShade-InducedLeaf Senescenc...

AS08 295	GLN1 GLN2 GS1 GS2 glutamine synthetase global antibody	20960201	Lang et al. (2011). Simultaneous isolation of pure and intact chloroplasts and ...
AS08 296	GLN2 GS2, chloroplastic form of glutamine synthetase		Hertle et al. (2021). Horizontal genome transfer by cell-to-cell travel of who...
AS08 296	GLN2 GS2, chloroplastic form of glutamine synthetase	33963398	Ancin et al. (2021). Overexpression of thioredoxin m in chloroplasts alters ca...
AS08 296	GLN2 GS2, chloroplastic form of glutamine synthetase	30464337	Chen et al. (2018). TIC236 links the outer and inner membrane translocons of t...
AS08 296	GLN2 GS2, chloroplastic form of glutamine synthetase	28183294	Tamburino et al. (2017). Chloroplast proteome response to drought stress and r...
AS08 296	GLN2 GS2, chloroplastic form of glutamine synthetase	26552588	Dixit (2015). Sulfur alleviates arsenic toxicity by reducing its accumulation ...
AS08 296	GLN2 GS2, chloroplastic form of glutamine synthetase	23327451	Lee et al. (2013). Stromal protein degradation is incomplete in Arabidopsis th...
AS08 296	GLN2 GS2, chloroplastic form of glutamine synthetase	22353577	Hu and Li (2012). The amino-terminal domain of chloroplast Hsp93 is important ...
AS01 018	GlnA Glutamine synthetase	29891641	Schmier and Shuman (2018). Deinococcus radiodurans HD-Pnk, a Nucleic Acid End-...
AS01 018	GlnA Glutamine synthetase		Brown et al. (2008). Flux capacities and acclimation costs in Trichodesmium fr...
AS01 018	GlnA Glutamine synthetase		Burns et al. (2006). Inorganic carbon repletion constrains steady-state light ...
AS21 4568	GLO1 Glyoxalase I (clone 6F10)	30400091	Jiang et al. (2018). Role of the Glyoxalase System in Alzheimer's Disease. J A...
AS21 4568	GLO1 Glyoxalase I (clone 6F10)	16244648	Hovatta et al. (2005). Glyoxalase 1 and glutathione reductase 1 regulate anxiet...
AS21 4568	GLO1 Glyoxalase I (clone 6F10)	15386471	Junaid et al. (2004). Proteomic studies identified a single nucleotide polymo...
AS09 449	GLUC Beta-glucosidase		Gong et al. (2022). The promising application of a beta-glucosidase inhibitor in...
AS18 4208	Glucuronoxylan (monoclonal, clone LM28)	26208585	Cornault et al. (2015). Monoclonal antibodies indicate low-abundance links bet...
AS18 4208-1ml	Glucuronoxylan (monoclonal, clone LM28)	26208585	Cornault et al. (2015). Monoclonal antibodies indicate low-abundance links bet...
AS20 4426	Glutamine synthetase (leaf,root)	25271437	Kimata-Arigo and Hase (2014). Multiple complexes of nitrogen assimilatory enzy...
AS20 4426	Glutamine synthetase (leaf,root)	8939884	Sakaibara et al. (1996). Molecular identification and characterization of cyto...
AS10 689	GluTR Glutamyl -tRNA reductase	32071153	Agrawal et al. (2020). The Functions of Chloroplast Glutamyl-tRNA in Translati...
AS10 689	GluTR Glutamyl -tRNA reductase	31070379	Montandon et al. (2019). In vivo trapping of proteins interacting with the chl...
AS10 689	GluTR Glutamyl -tRNA reductase		Nishimura et al. (2013). ClpS1 Is a Conserved Substrate Selector for the Chlor...
AS09 593	Gly glycine	15305363	Rubio & Juiz (2004). Differential distribution of synaptic endings containing ...
AS09 593	Gly glycine	10992010	Van Zundert et al. (2000). Effects of chronic ethanol treatment on gamma-amino...
AS13 2739	Glyphosate	34694310	Vestri et al. (2021). LSPR immuno-sensing based on iso-Y nanopillars for highly...
AS13 2739	Glyphosate		Viirlaid et al. (2019). Immunoassay for rapid on-site detection of glyphosate ...
AS05 088	GnRH α gonadotropin-releasing hormone agonist	18342314	Guzman et al. (2008). Vitellogenin, steroid plasma levels and spawning perform...
AS05 087-20	GnRH α gonadotropin-releasing hormone agonist (20 μ l)	18342314	Guzman et al. (2008). Vitellogenin, steroid plasma levels and spawning perform...
AS05 087	GnRH α gonadotropin-releasing hormone agonist (200 μ l)		Amezawa et al. (2018). Spawning induction of blue mackerel <i>Scomber australasic...</i>
AS05 087	GnRH α gonadotropin-releasing hormone agonist (200 μ l)	18342314	Guzman et al. (2008). Vitellogenin, steroid plasma levels and spawning perform...
AS12 2228	Goat anti-Biotin, DyLight [®] 650 conjugated		Ainla et al. (2013). Lab on a Biomembrane: rapid prototyping and manipulation ...
AS16 3244	Goat anti-Bovine IgG (H&L), Unconjugated	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3264	Goat anti-Chicken IgY (H&L), DyLight [®] 405 conjugated	32268105	Huiming et al. (2020). Integration of Nodal and BMP Signaling by Mutual Signal...
AS09 603	Goat anti-Chicken IgY (H&L), HRP conjugated	36679118	Cembrowska-Lech, Rybak (2023) Nanoprimering of Barley Seeds-A Shotgun Approach t...
AS09 603	Goat anti-Chicken IgY (H&L), HRP conjugated	32442180	Bindari et al. (2020). Methods to prevent PCR amplification of DNA from non-vi...
AS09 603	Goat anti-Chicken IgY (H&L), HRP conjugated	31409711	Levitani et al. (2019). Structural and functional analyses of photosystem II in...
AS09 603	Goat anti-Chicken IgY (H&L), HRP conjugated		Huang et al. (2015). Effects of exogenous salicylic acid on the physiological ...
AS09 603	Goat anti-Chicken IgY (H&L), HRP conjugated	25900983	Heard et al. (2015). Identification of Regulatory and Cargo Proteins of Endoso...
AS10 653	Goat anti-Guinea pig IgG (H&L), HRP conjugated	30484494	Jin et al. (2019). YAP activation promotes the transdifferentiation of cardia...
AS12 2393	Goat anti-Human IgE (epsilon chain), DyLight [®] 800 conjugated		Plundrich et al. (2019). Binding of peanut allergen Ara h 2 with Vaccinium fru...
AS10 1039	Goat anti-Human IgG + IgA + IgM, F(ab)'2 fragment, HRP conjugated	30238343	Wielkoszynski et al. (2018). Novel diagnostic ELISA test for discrimination be...
AS10 1404	Goat anti-Human kappa chain, Biotin conjugated	24557570	Reinhart et al. (2014). In search of expression bottlenecks in recombinant CHO...
AS10 1413	Goat anti-Human kappa chain, HRP conjugated, min. cross-reactivity to Mouse serum	30362930	Naderi et al. (2018). The Augmenting Effects of the tDNA Insulator on Stable E...
AS12 2298	Goat anti-Llama IgG (H&L), DyLight [®] 650 conjugated		Reusken et al. (2013). MiddleEastrespiratorysyndromecoronavirusneutralisingseru...
AS10 1419	Goat anti-Llama IgG (H&L), FITC conjugated	24655412	Meyer et al. (2014). Antibodies against MERS coronavirus in dromedary camels, ...
AS09 637	Goat anti-Mouse IgG (H&L), DyLight [®] 488 conjugated, min. cross-reactivity to human IgG or s	27212024	Wang et al. (2016). Complementary expression of optomotor-blind and the Iroquo...
AS09 637	Goat anti-Mouse IgG (H&L), DyLight [®] 488 conjugated, min. cross-reactivity to human IgG or s	27897227	Liu et al. (2016). Fold formation at the compartment boundary of Drosophila wi...
AS11 1772	Goat anti-Mouse IgG (H&L), HRP conjugated	31299085	Kasari et al. (2019). A role for the Saccharomyces cerevisiae ABCF protein New...
AS11 1772	Goat anti-Mouse IgG (H&L), HRP conjugated	30150628	Li and Bock (2018). Replication of bacterial plasmids in the nucleus of the re...
AS11 1772	Goat anti-Mouse IgG (H&L), HRP conjugated	29263352	Shin et al. (2017). Complementation of a mutation in CpSRP43 causing partial t...
AS11 1772	Goat anti-Mouse IgG (H&L), HRP conjugated		Dmitrović et al. (2015). Essential oils of two Nepeta species inhibit growth a...
AS10 1427	Goat anti-Mouse IgG (H&L), HRP conjugated, min. cross-reactivity to bovine, horse, human, p	26747175	Barahimipour et al. (2016). Efficient expression of nuclear transgenes in the ...
AS10 1427-trial	Goat anti-Mouse IgG (H&L), HRP conjugated, min. cross-reactivity to bovine, horse, human, p	26747175	Barahimipour et al. (2016). Efficient expression of nuclear transgenes in the ...

AS10 988	Goat anti-Mouse IgG Fc (heavy chain), Affinity purified, Unconjugated	36054822	Huang, Jiang, Yang, et al. (2022) Probing the Internal pH and Permeability of ...
AS16 3152	Goat anti-Rabbit IgA Fc specific, HRP conjugated	30309899	de Francisco Amorim et al. (2018). The U1 snRNP Subunit LUC7 Modulates Plant D...
AS10 668	Goat anti-Rabbit IgG (H&L) HRP conjugated, min.cross-reactivity to bovine/Human/mouse IgG/serum		Lacour et al. (2019). Decoupling light harvesting, electron transport and carb...
AS09 607	Goat anti-Rabbit IgG (H&L), ALP conjugated	35574105	Rodrigues et al (2022) Exploring the Applicability of Calorespirometry to Asse...
AS09 607	Goat anti-Rabbit IgG (H&L), ALP conjugated		Hura et al. (2022) Physiological and molecular features predispose native and ...
AS09 607	Goat anti-Rabbit IgG (H&L), ALP conjugated	33975629	Loudya et al. (2021) Cellular and transcriptomic analyses reveal two-staged ch...
AS09 607	Goat anti-Rabbit IgG (H&L), ALP conjugated		Bapatla et al. (2021). Modulation of Photorespiratory Enzymes by Oxidative and...
AS09 607	Goat anti-Rabbit IgG (H&L), ALP conjugated	30609769	Szymanska et al. (2019). SNF1-Related Protein Kinases SnRK2.4 and SnRK2.10 Mod...
AS09 607	Goat anti-Rabbit IgG (H&L), ALP conjugated	30516827	Rozpadek et al. (2018). Acclimation of the photosynthetic apparatus and altera...
AS09 607	Goat anti-Rabbit IgG (H&L), ALP conjugated	30368229	Borovik and Grabelnych (2018). Mitochondrial alternative cyanide-resistant oxi...
AS09 607	Goat anti-Rabbit IgG (H&L), ALP conjugated	30206687	Aswani et al. (2018). Oxidative stress induced in chloroplasts or mitochondria...
AS09 607	Goat anti-Rabbit IgG (H&L), ALP conjugated	29803724	Giovanardi et al. (2018). In pea stipules a functional photosynthetic electron...
AS09 607	Goat anti-Rabbit IgG (H&L), ALP conjugated	29366972	Hanschen et al. (2018). Differences in the enzymatic hydrolysis of glucosinola...
AS09 607	Goat anti-Rabbit IgG (H&L), ALP conjugated	26186967	Krasuska et al. (2015). Switch from heterotrophy to autotrophy of apple cotyle...
AS09 607-trial	Goat anti-Rabbit IgG (H&L), ALP conjugated - trial sample	29366972	Hanschen et al. (2018). Differences in the enzymatic hydrolysis of glucosinola...
AS09 607-trial	Goat anti-Rabbit IgG (H&L), ALP conjugated - trial sample	29803724	Giovanardi et al. (2018). In pea stipules a functional photosynthetic electron...
AS09 607-trial	Goat anti-Rabbit IgG (H&L), ALP conjugated - trial sample	26186967	Krasuska et al. (2015). Switch from heterotrophy to autotrophy of apple cotyle...
AS10 1086	Goat anti-Rabbit IgG (H&L), ALP conjugated, min. cross-reactivity to bovine,goat,human, mou	28317065	Wezowicz et al. (2017). Interactions of arbuscular mycorrhizal and endophytic ...
AS09 608	Goat anti-Rabbit IgG (H&L), Biotin conjugated	29620178	Du et al. (2018). Impact of epigallocatechin-3-gallate on expression of nuclea...
AS09 633	Goat anti-Rabbit IgG (H&L), DyLight® 488 conjugated		Kucko et al. (2022) The acceleration of yellow lupine flower abscission by jas...
AS09 633	Goat anti-Rabbit IgG (H&L), DyLight® 488 conjugated	36307987	Zhao, Deng, Qian, et al. (2022) Arabidopsis ABCG14 forms a homodimeric transpo...
AS09 633	Goat anti-Rabbit IgG (H&L), DyLight® 488 conjugated	32041139	Namyslov et al. (2020). Exodermis and Endodermis Respond to Nutrient Deficienc...
AS09 633	Goat anti-Rabbit IgG (H&L), DyLight® 488 conjugated	30081072	Fizesan et al. (2018). Responsiveness assessment of a 3D tetra-culture alveola...
AS09 633	Goat anti-Rabbit IgG (H&L), DyLight® 488 conjugated	27897227	Liu et al. (2016). Fold formation at the compartment boundary of Drosophila wi...
AS09 633	Goat anti-Rabbit IgG (H&L), DyLight® 488 conjugated	27212024	Wang et al. (2016). Complementary expression of optomotor-blind and the Iroquo...
AS09 633	Goat anti-Rabbit IgG (H&L), DyLight® 488 conjugated	26990368	Kaulmann et al. (2016). Inflammation related responses of intestinal cells to ...
AS09 633	Goat anti-Rabbit IgG (H&L), DyLight® 488 conjugated	25994087	Jimenez-Lopez et al. (2015). Biogenesis of protein bodies during legumin accum...
AS11 1815	Goat anti-Rabbit IgG (H&L), DyLight® 594 conjugated	26084671	Chong et al. (2015). Active fungal GH115 alfa-glucuronidase produced in Arabid...
AS12 1968	Goat anti-Rabbit IgG (H&L), F(ab)'2 fragment, DyLight® 550 conjugated,min. cross-reactivity to	31784555	Provost et al. (2019). Sci Rep. 2019 Nov 29;9(1):17967. doi: 10.1038/s41598-01...
AS10 852	Goat anti-Rabbit IgG (H&L), F(ab)'2 fragment, HRP conjugated	31569782	Armbruster et al. (2019). The Recovery from Sulfar Starvation Is Independent f...
AS10 852	Goat anti-Rabbit IgG (H&L), F(ab)'2 fragment, HRP conjugated	26184543	Linster et al. (2015). Downregulation of N-terminal acetylation triggers ABA-m...
AS10 1146	Goat anti-Rabbit IgG (H&L), F(ab)'2 fragment, HRP conjugated, min. cross-reactivity to bovine,human, mouse IgG/seru		Banday and Lajon (2017). Elevated systemic glutamic acid level in the non-obes...
AS10 1018	Goat anti-Rabbit IgG (H&L), F(ab)'2 fragment, TRITC conjugated	32677906	Feng et al. (2020). Intracellular expression of arginine deiminase activates ...
AS10 1176	Goat anti-Rabbit IgG (H&L), FITC conjugated	29800274	Kolbert et al. (2018). Nitro-oxidative stress correlates with Se tolerance of ...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	36679118	Cembrowska-Lech, Rybak (2023) Nanoprimering of Barley Seeds-A Shotgun Approach t...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	35115512	Lim et al (2022). Arabidopsis guard cell chloroplasts import cytosolic ATP for...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	35704578	Miklankova et al. (2022) HYPK promotes the activity of the Nalfa-acetyltransfe...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	35624700	Hofmann, Wienkoop & Luthje (2022) Hypoxia-Induced Aquaporins and Regulation of...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	35738478	Bychkov et al. (2022) The role of PAP4/FSD3 and PAP9/FSD2 in heat stress respo...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	35145090	Linster et al. (2022). Cotranslational N-degron masking by acetylation promote...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	35348763	Baena et al. (2022) SNARE SYP132 mediates divergent traffic of plasma membrane...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated		Franziska et al. (2022) Auxin application to maize plants at flowering increas...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	36062335	Ye, Zhou, Zhu, et al. (2022) Inhibition of shoot-expressed NRT1.1 improves reu...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	36054822	Huang, Jiang, Yang, et al. (2022) Probing the Internal pH and Permeability of ...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	35524766	Perera-Castro et al (2022). Limitations to photosynthesis in bryophytes: certa...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	36230991	Miernicka et al. (2022) The Adjustment Strategy of Venus Flytrap Photosyntheti...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	36180574	Boussardon, Bag, Juvany, et al. (2022) The RPN12a proteasome subunit is essent...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	33401671	Wojciechowska et al. (2021) Localization and Dynamics of the Methionine Sulfox...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	33939808	Wu et al. (2021). Formation of light-harvesting complex (LHC) II aggregates fr...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	34106226	Gucum et al. (2021) A patient-based medaka alg2 mutant as a model for hypo-N-g...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	34204867	Vitale et al. (2021) Light Spectral Composition Influences Structural and Eco...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	32209466	Ignatov et al. (2020). An mRNA-mRNA Interaction Couples Expression of a Virule...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	32330839	Khajuria et al. (2020). Photochemical Efficiency Is Negatively Correlated With...

AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	32920731	Long et al. (2020). FOXO3 is targeted by miR-223-3p and promotes osteogenic di...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	31179502	Schober et al. (2019). Organelle Studies and Proteome Analyses on Mitochondria...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	30900791	Rethore et al. (2019). Arabidopsis seedlings display a remarkable resilience u...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated		Contreras et al. (2019). UV-B shock induces photoprotective flavonoids but not...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated		Hu et al. (2019). Photoprotection capacity of microalgae improved by regulatin...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	30578537	Nikkanen et al. (2018). Multilevel regulation of non-photochemical quenching a...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	29932267	Migocka et al. (2018). Cucumber metal tolerance protein 7 (CsMTP7) is involved...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	29653579	Tong et al. (2018). Delivery of siRNA in vitro and in vivo using PEI-capped po...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated		Nikkanen et al. (2018). Regulation of chloroplast NADH dehydrogenase-like comp...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	29103938	Sinclair et al. (2017) Etiolated Seedling Development Requires Repression of P...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated		Gzyl et al. (2017). Gamma-tubulin distribution and ultrastructural changes in ...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	29140297	Kamies et al. (2017). A Proteomic Approach to Investigate the Drought Response...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	28794262	Niederhuber et al. (2017). Super-resolution microscopy of the β-carboxysome re...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	28382592	Tyureva et al. (2017). The absence of chlorophyll b affects lateral mobility ...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	27990574	Romanowska et al. (2017). Differences in photosynthetic responses of NADP-ME t...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	26991105	Good et al. (2016). Attenuating Listeria monocytogenes Virulence by Targeting ...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	26463088	Datta et al. (2016). Glutathione Regulates 1-Aminocyclopropane-1-Carboxylate S...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated	26747175	Barahimipour et al. (2016). Efficient expression of nuclear transgenes in the ...
AS09 602	Goat anti-Rabbit IgG (H&L), HRP conjugated		CiteAB has listed this antibody as one of the 7000 most published antibodies i...
AS09 602-trial	Goat anti-Rabbit IgG (H&L), HRP conjugated - trial sample	29932267	Migocka et al. (2018). Cucumber metal tolerance protein 7 (CsMTP7) is involved...
AS09 602-trial	Goat anti-Rabbit IgG (H&L), HRP conjugated - trial sample	29653579	Tong et al. (2018). Delivery of siRNA in vitro and in vivo using PEI-capped po...
AS09 602-trial	Goat anti-Rabbit IgG (H&L), HRP conjugated - trial sample		Nikkanen et al. (2018). Regulation of chloroplast NADH dehydrogenase-like comp...
AS09 602-trial	Goat anti-Rabbit IgG (H&L), HRP conjugated - trial sample		Gzyl et al. (2017). Gamma-tubulin distribution and ultrastructural changes in ...
AS09 602-trial	Goat anti-Rabbit IgG (H&L), HRP conjugated - trial sample	29140297	Kamies et al. (2017). A Proteomic Approach to Investigate the Drought Response...
AS09 602-trial	Goat anti-Rabbit IgG (H&L), HRP conjugated - trial sample	28794262	Niederhuber et al. (2017). Super-resolution microscopy of the β-carboxysome re...
AS09 602-trial	Goat anti-Rabbit IgG (H&L), HRP conjugated - trial sample		CiteAB has listed this antibody as one of the 7000 most published antibodies i...
AS10 1461	Goat anti-Rabbit IgG (H&L), HRP conjugated, min. cross-reactivity to human serum	36471570	Chen et al. (2023) Producing fast and active Rubisco in tobacco to enhance pho...
AS10 1461	Goat anti-Rabbit IgG (H&L), HRP conjugated, min. cross-reactivity to human serum	31048338	Sun et al. (2019). Single-Organelle Quantification Reveals Stoichiometric and ...
AS10 858	Goat anti-Rabbit IgG Fc, HRP conjugated		Mielecki et al. (2022) Structure–Activity Relationship of the Dimeric and Olig...
AS10 663	Goat anti-Rat IgG (H&L), ALP conjugated, min. reactivity to Human and mouse IgG, highly adsorbed against mouse IgG		Li et al. (2022). The effects of Ni availability on H2 production and N2 fixat...
AS10 1187	Goat anti-Rat IgG (H&L), HRP conjugated	33469010	Saintenac et al. (2021) A wheat cysteine-rich receptor-like kinase confers bro...
AS10 1548	Goat normal serum (10 ml)		Pastula & Lundmark (2021). Induction of Epithelial-mesenchymal Transition in ...
AS07 242	GOGAT Glutamine oxoglutarate aminotransferase	30785184	Touraine et al. (2019). Iron-sulfur protein NFU2 is required for branched-chai...
AS07 242	GOGAT Glutamine oxoglutarate aminotransferase	29467406	Wang et al. (2018). Genetic variations in ARE1 mediate grain yield by modulati...
AS07 242	GOGAT Glutamine oxoglutarate aminotransferase	27784767	Nath et al. (2016). A Nitrogen-Fixing Subunit Essential for Accumulating 4Fe-4...
AS07 242	GOGAT Glutamine oxoglutarate aminotransferase	27893161	Jayawardena et al. (2016). Elevated CO2 plus chronic warming reduces nitrogen ...
AS07 242	GOGAT Glutamine oxoglutarate aminotransferase	PMC4944146	Takabayashi et al. (2016) Direct interaction with ACR11 is necessary for post-...
AS07 242	GOGAT Glutamine oxoglutarate aminotransferase	27677460	Yang et al. (2016). Rice Ferredoxin-Dependent Glutamate Synthase Regulates Nit...
AS07 242	GOGAT Glutamine oxoglutarate aminotransferase	25701665	Moscatelli et al. (2015). Characterisation of detergent-insoluble membranes in...
AS07 242	GOGAT Glutamine oxoglutarate aminotransferase	23574048	Podgorska et al. (2013). Long-term ammonium nutrition of Arabidopsis increases...
AS14 2795	GORK Potassium channel GORK		Eisenach et al. (2014). Clustering of the K+ channel GORK of Arabidopsis paral...
AS14 2772	GOX Glycolate oxidase 1,2,3		Bapatla et al. (2021). Modulation of Photorespiratory Enzymes by Oxidative and...
AS14 2772	GOX Glycolate oxidase 1,2,3	31953871	Umnajikitikorn et al. (2020). Silencing of OsCV (chloroplast vesiculation) main...
AS09 455	GP Glycogen phosphorylase	32357113	Mia et al. (2020). Differential Effects of REV-ERBa/b Agonism on Cardiac Gene ...
AS09 455	GP Glycogen phosphorylase	27720417	Dandanell et al. (2016). Maintaining a clinical weight loss after intensive li...
AS09 455	GP Glycogen phosphorylase	26009757	Bowker and Zhuang (2015). Relationship between water-holding capacity and prot...
AS09 455	GP Glycogen phosphorylase		Zhu et al. (2011). High post-mortem temperature combined with rapid glycolysis...
AS04 055	GPX Glutathione peroxidase (chloroplastic)	23881397	Lepisto et al. (2013). Deletion of chloroplast NADPH-dependent thioredoxin red...
AS04 055	GPX Glutathione peroxidase (chloroplastic)		Juszczak et al. (2012). Natural genetic variation in the expression regulation...
AS06 181	GR Glutathione reductase	36679118	Cembrowska-Lech, Rybak (2023) Nanopriming of Barley Seeds-A Shotgun Approach t...
AS06 181	GR Glutathione reductase	36242617	Borysiuk et al. (2022) Glyoxalase I activity affects Arabidopsis sensitivity t...
AS06 181	GR Glutathione reductase	34107028	Bekturova et al. (2021) APS reductase and sulfite oxidase regulate sulfite-ind...
AS06 181	GR Glutathione reductase	31940953	Zhong et al. (2020). Proteomic Analysis of Irradiation with Millimeter Waves o...

AS06 181	GR Glutathione reductase	31958684	Ameri et al. (2020). Aluminium triggers oxidative stress and antioxidant respo...
AS06 181	GR Glutathione reductase	31356092	Zhong et al. (2019). Phosphoproteomics Reveals the Biosynthesis of Secondary M...
AS06 181	GR Glutathione reductase	29957573	Balazova et al. (2018). Zinc oxide nanoparticles phytotoxicity on halophyte fr...
AS06 181	GR Glutathione reductase		Adhikari et al. (2018). Sulfate improves cadmium tolerance by limiting cadmium...
AS06 181	GR Glutathione reductase	27124767	Yin et al. (2016). Comprehensive Mitochondrial Metabolic Shift during the Crit...
AS06 181	GR Glutathione reductase		Hattab et al. (2015). Characterisation of lead-induced stress molecular biomar...
AS06 181	GR Glutathione reductase	26416125	Shaw et al. (2015). Beta-aminobutyric acid mediated drought stress alleviation...
AS06 181	GR Glutathione reductase		Sobrinho-Plata et al. (2014). Glutathione is a key antioxidant metabolite to co...
AS06 181	GR Glutathione reductase	24380438	Kovacik et al. (2013). Oxidative stress, uptake and bioconversion of 5-fluorou...
AS06 181	GR Glutathione reductase		Sobrinho-Plata et al. (2013). Specific stress responses to cadmium, arsenic and...
AS15 3108	Grx5 Monothiol glutaredoxin-S5		Nath et al. (2016). A Nitrogen-Fixing Subunit Essential for Accumulating 4Fe-4...
AS06 183	GS Glutathione synthase, GSH-S	36679118	Cembrowska-Lech, Rybak (2023) Nanoprimering of Barley Seeds-A Shotgun Approach t...
AS06 183	GS Glutathione synthase, GSH-S	31888010	Sun et al. (2019). Comparative Transcriptome Analysis of the Molecular Mechanis...
AS06 183	GS Glutathione synthase, GSH-S	27893161	Jayawardena et al. (2016). Elevated CO2 plus chronic warming reduces nitrogen ...
AS06 183	GS Glutathione synthase, GSH-S		Baojian et al. (2014). Maize (Zea mays L.) seedling leaf nuclear proteome and ...
AS06 183	GS Glutathione synthase, GSH-S	15047902	Gomez et al. (2004) Intercellular distribution of glutathione synthesis in mai...
AS09 647	GSNOR S-nitrosoglutathione reductase		Molnar et al. (2022) Limited Zn supply affects nutrient distribution, carbon m...
AS09 647	GSNOR S-nitrosoglutathione reductase	33429850	Borbely et al. (2021) The Effect of Foliar Selenium (Se) Treatment on Growth, ...
AS09 647	GSNOR S-nitrosoglutathione reductase	33772588	Zhang et al (2021) Induction of S-nitrosoglutathione reductase protects root g...
AS09 647	GSNOR S-nitrosoglutathione reductase	31990075	Zhang et al. (2020). Glutathione-dependent denitrosation of GSNOR1 promotes ox...
AS09 647	GSNOR S-nitrosoglutathione reductase	32171133	Molnar et al. (2020). Nitro-oxidative Signalling Induced by Chemically Synthet...
AS09 647	GSNOR S-nitrosoglutathione reductase	32859113	Labudda et al. (2020). Cyst Nematode Infection Elicits Alteration in the Level...
AS09 647	GSNOR S-nitrosoglutathione reductase	31271864	Feigl et al. (2019). Zinc-induced root architectural changes of rhizotron-grow...
AS09 647	GSNOR S-nitrosoglutathione reductase		Zhang et al. (2019). Arabidopsis CaM3 inhibits nitric oxide accumulation and i...
AS09 647	GSNOR S-nitrosoglutathione reductase	28902403	Jain et al. (2018). S-nitrosylation/denitrosylation as a regulatory mechanism ...
AS09 647	GSNOR S-nitrosoglutathione reductase		Kovacs et al. (2016). ROS-Mediated Inhibition of S-nitrosoglutathione Reductas...
AS09 647	GSNOR S-nitrosoglutathione reductase	27474115	McLoughlin et al. (2016) Class I and II Small Heat Shock Proteins Together wit...
AS09 647	GSNOR S-nitrosoglutathione reductase	27684709	Zhou et al. (2016). Arabidopsis CaM1 and CaM4 Promote Nitric Oxide Production ...
AS09 647	GSNOR S-nitrosoglutathione reductase	18326829	Lee et al. (2008). Modulation of nitrosative stress by S-nitrosoglutathione re...
AS09 479	GST class-phi Glutathione S tranferase	31888010	Sun et al. (2019). Comparative Transcriptome Analysis of the Molecular Mechanis...
AS09 479	GST class-phi Glutathione S tranferase	26032221	Kumar and Chattopadhyay (2015). Changes in the proteome of pad2-1, a glutathio...
AS09 479	GST class-phi Glutathione S tranferase		Chen et al. (2013). Photosynthetic and antioxidant responses of Liquidambar fo...
AS15 2883	GST1 Glutathione-S-transferase (algal)		Roach et al. (2018). Distress and eustress of reactive electrophiles and relev...
AS15 2883	GST1 Glutathione-S-transferase (algal)		Kumar and Chattopadhyay (2018). Glutathione modulates the expression of heat s...
AS18 4188	GST-tag, HRP-conjugated (mouse monoclonal, clone 3E2)	36289340	Qj, Kwiatkowski, Chen, et al. (2022) Adenylate cyclase activity of TIR1/AFB au...
AS08 365	GTA MCP Gene Transfer Agent (GTA) major capsid protein (MCP)		Shimizu et al. (2022) Persulfide-Responsive Transcription Factor SqrR Regulate...
AS08 365	GTA MCP Gene Transfer Agent (GTA) major capsid protein (MCP)	35947951	Sherlock & Fogg PCM. (2022) The archetypal gene transfer agent RcGTA is regula...
AS08 365	GTA MCP Gene Transfer Agent (GTA) major capsid protein (MCP)		Koppenhofer et al. (2019). Integrated Transcriptional Regulatory Network of Qu...
AS08 365	GTA MCP Gene Transfer Agent (GTA) major capsid protein (MCP)	29325123	Tomasch et al. (2018). Packaging of Dinoroseobacter shibae DNA into Gene Trans...
AS08 365	GTA MCP Gene Transfer Agent (GTA) major capsid protein (MCP)	24645667	Mercer and Lang (2014). Identification of a predicted partner-switching system...
AS15 3090	GUN4 Regulatory subunit of Mg-chelatase		Upadhyaya and Jagadeeshwar Rao (2019). Reciprocal regulation of photosynthesis...
AS15 3090	GUN4 Regulatory subunit of Mg-chelatase		Formigheri et al. (2012). Retrograde signaling and photoprotection in a gun4 m...
AS16 3689	GUS Beta-glucuronidase	35678495	Xiao et al. (2022) An amino acid transporter-like protein (OsATL15) facilitate...
AS16 3689	GUS Beta-glucuronidase		Xiumei et al. (2022) Pathogenesis-related protein 1 suppresses oomycete pathog...
AS16 3689	GUS Beta-glucuronidase		Nizkorodova et al. (2020). The Effect of Translation Promoting Site (TPS) on P...
AS16 3689	GUS Beta-glucuronidase		Nikorodova and Isakov (2019). New insights into the mechanism of action of e-e...
AS07 260	H+ATPase Plasma membrane H+ATPase (rabbit antibody)	36341575	Guo, Zhang , Wang, et al. (2023) Cold-induced calreticulin OsCRT3 conformation...
AS07 260	H+ATPase Plasma membrane H+ATPase (rabbit antibody)		Suanno et al. (2023) Small extracellular vesicles released from germinated kiw...
AS07 260	H+ATPase Plasma membrane H+ATPase (rabbit antibody)	35640532	Michalopoulou et al. (2022) The host exocyst complex is targeted by a conserve...
AS07 260	H+ATPase Plasma membrane H+ATPase (rabbit antibody)	35624700	Hofmann, Wienkoop & Luthje (2022) Hypoxia-induced Aquaporins and Regulation of...
AS07 260	H+ATPase Plasma membrane H+ATPase (rabbit antibody)	35348763	Baena et al. (2022) SNARE SYP132 mediates divergent traffic of plasma membrane...
AS07 260	H+ATPase Plasma membrane H+ATPase (rabbit antibody)		Kostic et al. (2022),The Relative Sensitivity of Marigold vs. Tomato to Iron (...
AS07 260	H+ATPase Plasma membrane H+ATPase (rabbit antibody)		Akpinar, Cansev (2022) Physiological and molecular responses of roots differ f...

AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	36371501	Vogel et al. (2022) Lipid-mediated activation of plasma membrane-localized deu...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	33564884	Ekanayake et al. (2021) A. DYNAMIN-RELATED PROTEIN DRP1A functions with DRP2B ...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	33936568	Adamo et al. (2021). Nanoalgosomes: Introducing extracellular vesicles produce...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	34663809	Choi et al. (2021) Augmented CO2 tolerance by expressing a single H+-pump enab...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	34685758	Cano-Ramirez et al. (2021) M. Plasma Membrane Fluidity: An Environment Thermal...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	34536345	Huang et al. (2021). Parasitic modulation of host development by ubiquitin-inde...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	34944535	Lapshin et al. (2021) Sterol Extraction from Isolated Plant Plasma Membrane Ve...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	32119118	Wang et al. (2020). The Arabidopsis exocyst subunits EXO70B1 and EXO70B2 regul...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	32094305	Collins et al. (2020). EPSIN1 Modulates the Plasma Membrane Abundance of FLAGE...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	32339200	Wang et al. (2020). Plant NLR Immune Receptor Tm-22 Activation Requires NB-ARC...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	30713545	Yuan et al. (2019). Phospholipidase Ddelta Negatively Regulates the Function o...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	31156689	Kuang et al. (2019). Quantitative Proteome Analysis Reveals Changes in the Pro...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)		Zhang et al. (2018). Root plasma membrane H+-ATPase is involved in low pH-inh...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	30410018	Roth et al. (2018). A rice Serine/Threonine receptor-like kinase regulates arb...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	30446614	Wang et al. (2018). Resistance protein Pit interacts with the GEF OsSPK1 to ac...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	30157181	Pertl-Obermeyer et al. (2018). Dissecting the subcellular membrane proteome re...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)		Zhang et al. (2018). Maintenance of mesophyll potassium and regulation of plas...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)		Seguel et al. (2018). PROHIBITIN 3 forms complexes with ISOCHORISMATE SYNTHASE...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	28684428	Duan et al. (2017). A Lipid-Anchored NAC Transcription Factor Is Translocated ...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	28784794	Nagel et al. (2017). Arabidopsis SH3P2 is an ubiquitin-binding protein that fu...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	28725961	Aloui et al. (2017). The plasma membrane proteome of Medicago truncatula roots...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)		Lomin et al. (2017). Studies of cytokinin receptor–phosphotransmitter interact...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)		Kovaleva et al. (2017). Regulation of Petunia Pollen Tube Growth by Phytohormo...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	28195333	Liao et al. (2017). Arabidopsis E3 ubiquitin ligase PLANT U-BOX13 (PUB13) regu...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)		LaMontagne et al. (2016). Isolation of Microsomal Membrane Proteins from Arabi...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	27791081	Wang et al. (2016). Chloroplast-mediated regulation of CO2-concentrating mecha...
AS07 260	H+ATPase	Plasma membrane H+ATPase (rabbit antibody)	25900983	Heard et al. (2015). Identification of Regulatory and Cargo Proteins of Endoso...
AS11 1801	H1	Histone H1	31391082	Rutowicz et al. (2019). Linker histones are fine-scale chromatin architects mo...
AS11 1801	H1	Histone H1	29897636	Benoit et al. (2018). Replication-coupled histone H3.1 deposition determines n...
AS11 1801	H1	Histone H1	28521766	Wollmann et al. (2017). The histone H3 variant H3.3 regulates gene body DNA me...
AS11 1801	H1	Histone H1		She and Baroux (2015). Chromatin dynamics in Pollen Mother Cells underpin a co...
AS11 1801	H1	Histone H1	24004947	She et al. (2013). Chromatin reprogramming during the somatic to-reproductive ...
AS15 2855	H3	Histone H3 (chicken antibody)	33975629	Loudya et al. (2021) Cellular and transcriptomic analyses reveal two-staged ch...
AS15 2855	H3	Histone H3 (chicken antibody)	31366981	Chung et al. (2019) Distinct roles of Argonaute in the green alga Chlamydomona...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	35486392	Farago et al. (2022) Small paraquat resistance proteins modulate paraquat and...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	5247331	Hu et al. (2022) Bacterial effectors manipulate plant abscisic acid signaling ...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	35260568	Liang et al. (2022). Arabidopsis RBV is a conserved WD40 repeat protein that p...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	35902598	Gomez et al. (2022) Phosphatidylinositol-4-phosphate controls autophagosome fo...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	34348894	Sun et al. (2021) The epigenetic factor FVE orchestrates cytoplasmic SGS3-DRB4...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)		Perlaza (2021). Organelle Size and Quality Control in Chlamydomonas Reinhardt...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	34597395	Margaritopoulou et al (2021) Enriched HeK4me3 marks at Pm-0 resistance-related...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	34830250	Skalicky et al. (2021) Auxin Metabolite Profiling in Isolated and Intact Plant...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	31612858	Perlaza et al. (2019). The Mars1 kinase confers photoprotection through signal...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	31392979	Dalmadi et al. (2019). AGO-unbound cytosolic pool of mature miRNAs in plant ce...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	29749054	Barua et al. (2019). Dehydration-responsive nuclear proteome landscape of chic...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)		Du et al (2019). Proteomic identification of lipid-bodies-associated proteins ...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	31850050	Chen et al. (2019). Phalaenopsis LEAFY COTYLEDON1-Induced Somatic Embryonic St...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	29760094	Lai et al. (2018). Salicylic acid-independent role of NPR1 is required for pro...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	29941559	Wang et al. (2018). Degradation of unmethylated miRNA/miRNA*s by a DEDDY-type ...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	29496883	Hartmann et al. (2018). Subcellular Compartmentation of Alternatively Spliced ...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	28684428	Duan et al. (2017). A Lipid-Anchored NAC Transcription Factor Is Translocated ...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	28551420	Rihan et al. (2017). An analysis of the development of cauliflower seed as a m...
AS10 710	H3	Histone H3 (rabbit antibody) (nuclear marker)	28054361	Shin et al. (2017). The metabolic sensor AKIN10 modulates the Arabidopsis circ...

AS10 710	H3 Histone H3 (rabbit antibody) (nuclear marker)	27358399	Correa-Galvis et al. (2016). Photosystem II Subunit PsbS Is Involved in the In...
AS10 710	H3 Histone H3 (rabbit antibody) (nuclear marker)	27174164	Castellano et al. (2016). A pathogenic long noncoding RNA redesigns the epigen...
AS10 710	H3 Histone H3 (rabbit antibody) (nuclear marker)	26792235	Ghandi et al. (2016). Tomato yellow leaf curl virus infection mitigates the he...
AS10 710	H3 Histone H3 (rabbit antibody) (nuclear marker)	26654789	Gorovits et al. (2016). Tomato yellow leaf curl virus confronts host degradati...
AS16 3190	H3K4me3 Histone H3, trimethylated lysine 4 (H3K4me3)		Mursalimov et al. (2019). Cytological Techniques to Study Cytomixis in Plant M...
AS16 3190	H3K4me3 Histone H3, trimethylated lysine 4 (H3K4me3)		Liu et al. (2018). Transcriptomics analyses reveal the molecular roadmap and l...
AS16 3198	H3K9ac Histone H3, acetylated lysine 9		Bellegarde et al. (2018). Polycomb Repressive Complex 2 attenuates the very hi...
AS16 3194	H3K9me2 Histone H3 dimethylated lysine 9		Liu et al. (2018). Transcriptomics analyses reveal the molecular roadmap and l...
AS12 2220	HA (rabbit polyclonal)	30639313	Hwang et al. (2019) Arabidopsis ABF3 and ABF4 Transcription Factors Act with t...
AS15 2921	HA, conjugated to Alkaline Phosphatase (Clone 16B12)	27577186	Wang et al. (2017). The inhibition of protein translation mediated by AtGCN1 i...
AS06 163	Hcf101 High chlorophyll fluorescence phenotype protein	28103400	Hu et al. (2017). The SUFBC2 D Complex is Required for the Biogenesis of All M...
AS06 163	Hcf101 High chlorophyll fluorescence phenotype protein	24889360	Bigeard et al. (2014). Proteomic and phosphoproteomic analyses of chromatin-as...
AS10 688	HCP Hyper conserved protein	25360678	Whidden et al. (2014). Quantitative and functional characterization of the hyp...
AS10 683-25	HDEL Endoplasmic reticulum retention signal (clone 2E7)		Ming-fang et al. (2021) Improved quantification of immune-gold labeling and it...
AS10 683	HDEL Endoplasmic reticulum retention signal (clone 2E7)		Luo et al. (2006). GRP78/BIP is required for cell proliferation and protectin...
AS10 683-25	HDEL Endoplasmic reticulum retention signal (clone 2E7)		Luo et al. (2006). GRP78/BIP is required for cell proliferation and protectin...
AS10 683	HDEL Endoplasmic reticulum retention signal (clone 2E7)	1383243	Napier et al. (1992). Immunological evidence that plants use both HDEL and KDE...
AS10 683-25	HDEL Endoplasmic reticulum retention signal (clone 2E7)	1383243	Napier et al. (1992). Immunological evidence that plants use both HDEL and KDE...
AS11 1792	HDT1 Histone deacetylase	26432860	Derbyshire et al. (2015). Proteomic Analysis of Microtubule Interacting Protei...
AS16 3968	HDT3 Histone deacetylase HDT3		Park et al. (2018). Epigenetic switch from repressive to permissive chromatin ...
AS01 020	Helicobacter pylori	27002127	Collins et al. (2016). The Helicobacter pylori C2B cytoplasmic chemoreceptor T...
AS01 020	Helicobacter pylori	26061894	Lertsethtakarn et al. (2015). Helicobacter pylori CheZHP and ChePep form a n...
AS10 1622	Hellethionin	17565583	Silverstein et al. (2007). Small cysteine-rich peptides resembling antimicrobi...
AS10 1622	Hellethionin	12600207	Milbradt et al. (2003). Structural characterisation of hellethionins from Hell...
AS07 228	HemH Protoporphyrin ferrochelatase	19047738	Masoumi et al. (2008). Complex formation between protoporphyrinogen IX oxidas...
AS07 227	HemY protoporphyrinogen oxidase	19047738	Masoumi et al. (2008). Complex formation between protoporphyrinogen IX oxidase ...
AS18 4209	Heteromannan (monoclonal, clone LM21)	20659281	Marcus et al. (2010). Restricted access of proteins to mannan polysaccharides ...
AS22 4809-1ml	Heteromannan (monoclonal, clone LM22)		Marcus et al. (2010) Restricted access of proteins to mannan polysaccharides i...
AS18 4206	Heteroxylan (monoclonal, clone LM10)	15805428	McCartney et al. (2005). Monoclonal antibodies to plant cell wall xylans and a...
AS18 4207	Heteroxylan (monoclonal, clone LM11)	15805428	McCartney et al. (2005). Monoclonal antibodies to plant cell wall xylans and a...
AS11 1771	His-tag 6xHis (clone HIS.H8 / EH158)		De Brasi-Velasco et al. (2021). Autophagy is involved in the Viability of Over...
AS11 1771	His-tag 6xHis (clone HIS.H8 / EH158)	31956021	Tan et al. (2020). Salicylic Acid Targets Protein Phosphatase 2A to Attenuate ...
AS11 1771	His-tag 6xHis (clone HIS.H8 / EH158)	31906273	Lopez-Vidal et al. (2020). Is Autophagy Involved in Pepper Fruit Ripening? C...
AS11 1771	His-tag 6xHis (clone HIS.H8 / EH158)	27206786	Haggmark-Manberg et al. (2016). Autoantibody targets in vaccine-associated nar...
AS21 4558	Histone H2B (Schizosaccharomyces pombe)	16688222	Maruyama et al. (2006). Histone H2B mutations in inner region affect ubiquitina...
AS10 1603	HliA high light inducible protein	36463410	Krynicka, et al. (2023) FtsH4 protease controls biogenesis of the PSII complex...
AS10 1603	HliA high light inducible protein	5218444	Konert et al. (2022). High-light-inducible proteins HliA and HliB: pigment bind...
AS10 1603	HliA high light inducible protein	5279779	Rahimzadeh-Karvansara et al. (2022) Psb34 protein modulates binding of high-li...
AS10 1603	HliA high light inducible protein	33258963	Aznar et al. (2020). Psb35 protein stabilizes the CP47 assembly module and ass...
AS10 1615	HliD High light inducible protein	36463410	Krynicka, et al. (2023) FtsH4 protease controls biogenesis of the PSII complex...
AS10 1615	HliD High light inducible protein	5218444	Konert et al. (2022). High-light-inducible proteins HliA and HliB: pigment bind...
AS10 1615	HliD High light inducible protein	32990304	Proctor et al. (2020) Xanthophyll carotenoids stabilise the association of cya...
AS10 1615	HliD High light inducible protein	24681617	Chidgev et al. (2014). A cyanobacterial chlorophyll synthase-HliD complex asso...
AS16 3117	Homogalacturonan-1 (clone CCRC-M38)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3117	Homogalacturonan-1 (clone CCRC-M38)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS10 867	Horse purified IgG (10 mg)		Hallin et al. (2022) Ocrelizumab quantitation by liquid chromatography-tandem ...
AS11 1797	HPR Hydroxypyruvate reductase (peroxisomal matrix marker)		Bapatla et al. (2021). Modulation of Photorespiratory Enzymes by Oxidative and...
AS11 1797	HPR Hydroxypyruvate reductase (peroxisomal matrix marker)		Korotaeva et al. (2018). Effect of Heat Hardening on Expression of Genes phb3 ...
AS11 1797	HPR Hydroxypyruvate reductase (peroxisomal matrix marker)	24179123	Farmer et al. (2013). Disrupting Autophagy Restores Peroxisome Function to an A...
AS09 549	HRP Horseradish peroxidase (affinity purified)	29088235	Rup et al. (2017). Immunogenicity of glycans on biotherapeutic drugs produced ...
AS05 062	HSC70 salmon heat shock cognate protein 70	21525319	LeBlanc et al. (2011). Chronic social stress impairs thermal tolerance in the ...
AS05 062	HSC70 salmon heat shock cognate protein 70		Rendell et al. (2006). Development-dependent differences in intracellular loca...
AS07 233	HSC70/HSP70 Heat shock cognate protein 70 / heat shock protein 70		Koziel et al. (2021) Modulation of Expression of PVYNTN RNA-Dependent RNA Polym...

AS07 233	HSC70/HSP70 Heat shock cognate protein 70 / heat shock protein 70	9642294	Crookes & Olsen (1998). The effects of chaperones and the influence of protein...
AS06 178	HSF1 Heat shock factor 1	17711413	Schulz-Raffelt et al. (2007). Heat shock factor 1 is a key regulator of ...
AS08 287	HSP101 ClpB heat shock protein, C-terminal	35738478	Bychkov et al. (2022) The role of PAP4/FSD3 and PAP9/FSD2 in heat stress respo...
AS08 287	HSP101 ClpB heat shock protein, C-terminal	29609175	Balfagon et al. (2018). Involvement of ascorbate peroxidase and heat shock pro...
AS08 287	HSP101 ClpB heat shock protein, C-terminal	27474115	McLoughlin et al. (2016) Class I and II Small Heat Shock Proteins Together wit...
AS08 287	HSP101 ClpB heat shock protein, C-terminal	23499455	Janicka-Russak et al. (2013). Modification of plasma membrane proton pumps in ...
AS08 287	HSP101 ClpB heat shock protein, C-terminal	22451724	Janicka-Russak et al. (2012). Different effect of cadmium and copper on H⁺-ATP...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	36650156	Ormancey et al. (2023) Complementary peptides represent a credible alternative...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	36636802	Lee et al. (2023) The spliceophilin CYP18-2 is mainly involved in the splicing...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	35100405	Szadeczy-Kardoss et al. (2022) Elongation factor TFIIIS is essential for heat ...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	32024917	Gorovits et al. (2020). Pharmaceuticals in treated wastewater induce a stress ...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)		Fedotova et al. (2020). Influence of high temperatures on heat tolerance and s...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	31113833	McLoughlin et al. (2019) HSP101 Interacts with the Proteasome and Promotes the...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	30368229	Borovik and Grabelnych (2018). Mitochondrial alternative cyanide-resistant oxi...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	30187931	Fragkostefanakis et al. (2018). The repressor and co-activator HsfB1 regulates...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)		Alamri et al. (2018). Nitric oxide-mediated cross-talk of proline and heat sho...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	26657708	Lamke et al. (2016). A hit-and-run heat shock factor governs sustained histone...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	27474115	McLoughlin et al. (2016) Class I and II Small Heat Shock Proteins Together wit...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	27541077	Shen et al. (2016). The Arabidopsis polyamine transporter LHR1/PUT3 modulates ...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)		Muench et al. (2016). Reactive electrophilic oxylipins trigger a heat stress-l...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	26917685	Fragkostefanakis et al. (2016). HsfA2 controls the activity of developmentally...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	26546418	Mishra et al. (2015). Characterization of 5'UTR of rice ClpB-C/Hsp100 gene: ev...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)		Kumar et al. (2015). Expression analysis of ClpB/Hsp100 gene in faba bean (Vic...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	26021607	Almoguera et al. (2015). Heat shock transcription factors involved in seed des...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	25619826	Yamauchi et al. (2015). Reactive short-chain leaf volatiles act as powerful in...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	25281707	Mishra and Grover (2014). Intergenic Sequence between Arabidopsis Caseinolytic...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)		Gamburg et al. (2014). The Relationship between the Differences in Frost Resis...
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)		Pyatrikas et al. (2014). Mitochondrial Retrograde Regulation of HSP101 Express...
AS08 290	HSP101 nuclear/cytoplasmatic heat shock protein	28744300	Jespersen et al. (2017). Metabolic Effects of Acibenzolar-S-Methyl for Improvi...
AS08 290	HSP101 nuclear/cytoplasmatic heat shock protein	22158678	Holding (2011). Pyrophosphate dependent fructose-6-phosphate 1-phosphotransfer...
AS08 290	HSP101 nuclear/cytoplasmatic heat shock protein	12119379	Nieto-Sotelo et al. (2002). Maize HSP101 plays important roles in both induced...
AS08 290	HSP101 nuclear/cytoplasmatic heat shock protein	10216257	Nieto-Sotelo et al. (1999). Characterization of a maize heat-shock protein 101...
AS08 286	HSP16.6 Class I heat shock protein 16.6 (cytosolic)	24476911	Gunnellius et al. (2014). The omega subunit of the RNA polymerase core directs ...
AS12 2570	HSP16.9 16.9 kDa class I heat shock protein 2		Fedotova et al. (2020). Influence of high temperatures on heat tolerance and s...
AS08 284	HSP17.6 Cytosolic class I heat shock protein 17.6 (chicken antibody)	26019256	Mao and Sun (2015). Arabidopsis seed-specific vacuolar aquaporins are involved...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)	34451672	Swetha et al. (2021) Single and Combined Salinity and Heat Stresses Impact Yie...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)		Siddiqui et al. (2020). Melatonin and calcium function synergistically to prom...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)	31113833	McLoughlin et al. (2019) HSP101 Interacts with the Proteasome and Promotes the...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)		Kato et al. (2019). Induction of the heat shock response in Arabidopsis by chl...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)		Alamri et al. (2018). Nitric oxide-mediated cross-talk of proline and heat sho...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)	29609175	Balfagon et al. (2018). Involvement of ascorbate peroxidase and heat shock pro...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)		Pantelić et al. (2018). Effects of high temperature on in vitro tuberization a...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)		Zhu et al. (2018). Cloning and expression of a new cytoplasmic small heat shoc...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)		Murano et al. (2017). A purine-type heat shock protein 90 inhibitor promotes t...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)	27474115	McLoughlin et al. (2016) Class I and II Small Heat Shock Proteins Together wit...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)	27541077	Shen et al. (2016). The Arabidopsis polyamine transporter LHR1/PUT3 modulates ...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)	25619826	Yamauchi et al. (2015). Reactive short-chain leaf volatiles act as powerful in...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)		Pyatrikas et al. (2014). Mitochondrial Retrograde Regulation of HSP101 Express...
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)	23798027	Florentin et al. (2013). Stress induces plant somatic cells to acquire some fe...
AS07 255	HSP17.7 Cytosolic class II heat shock protein 17.7	32929162	Cha et al. (2020). Humic acid enhances heat stress tolerance via transcription...
AS07 255	HSP17.7 Cytosolic class II heat shock protein 17.7	31113833	McLoughlin et al. (2019) HSP101 Interacts with the Proteasome and Promotes the...
AS07 255	HSP17.7 Cytosolic class II heat shock protein 17.7	30796711	Fu et al. (2019). Increased fesa1a thermotolerance is induced by BAG6 knockout...

AS07 255	HSP17.7 Cytosolic class II heat shock protein 17.7		Korotaeva et al. (2018). Effect of Heat Hardening on Expression of Genes phb3 ...
AS07 255	HSP17.7 Cytosolic class II heat shock protein 17.7	27474115	McLoughlin et al. (2016) Class I and II Small Heat Shock Proteins Together wit...
AS07 255	HSP17.7 Cytosolic class II heat shock protein 17.7		Hattab et al. (2015). Characterisation of lead-induced stress molecular biomar...
AS07 255	HSP17.7 Cytosolic class II heat shock protein 17.7	26019256	Mao and Sun (2015). Arabidopsis seed-specific vacuolar aquaporins are involved...
AS07 255	HSP17.7 Cytosolic class II heat shock protein 17.7	22451724	Janicka-Russak et al. (2012). Different effect of cadmium and copper on H+-ATP...
AS07 255	HSP17.7 Cytosolic class II heat shock protein 17.7	19703117	Lujan et al. (2009). Small heat-shock proteins and leaf cooling capacity accou...
AS11 1628	HSP18.5 class IV heat shock protein	32164259	Sadura et al. (2020). HSP Transcript and Protein Accumulation in Brassinostero...
AS08 285	HSP21 Chloroplastic heat shock protein	28744300	Jespersen et al. (2017). Metabolic Effects of Acibenzolar-S-Methyl for Improvi...
AS08 285	HSP21 Chloroplastic heat shock protein	26657708	Lamke et al. (2016). A hit-and-run heat shock factor governs sustained histone...
AS08 285	HSP21 Chloroplastic heat shock protein	27474115	McLoughlin et al. (2016) Class I and II Small Heat Shock Proteins Together wit...
AS08 285	HSP21 Chloroplastic heat shock protein	27541077	Shen et al. (2016). The Arabidopsis polyamine transporter LHR1/PUT3 modulates ...
AS08 285	HSP21 Chloroplastic heat shock protein	26021607	Almoguera et al. (2015). Heat shock transcription factors involved in seed des...
AS08 285	HSP21 Chloroplastic heat shock protein		Hai-Dong Yu et al. (2012). Downregulation of Chloroplast RPS1 Negatively Modul...
AS15 2980	HSP23.6 Heat shock protein 23.6 (mitochondrial)	32929162	Cha et al. (2020). Humic acid enhances heat stress tolerance via transcription...
AS08 348	HSP70 Heat shock protein 70 (chloroplastic)		Idowu, Katsube-Tanaka, Shiraiwa (2022) Nitrogen fertilizer application does no...
AS08 348	HSP70 Heat shock protein 70 (chloroplastic)	34234144	Lee et al (2021). Chaperone-like protein DAY plays critical roles in photomorp...
AS08 348	HSP70 Heat shock protein 70 (chloroplastic)	34573369	Jeran et al. (2021) The PUB4 E3 Ubiquitin Ligase Is Responsible for the Varieg...
AS08 348	HSP70 Heat shock protein 70 (chloroplastic)	30989223	Dogra et al. (2019). Impaired PSII proteostasis triggers an UPR-like response ...
AS08 348	HSP70 Heat shock protein 70 (chloroplastic)	30464337	Chen et al. (2018). TIC236 links the outer and inner membrane translocons of t...
AS08 348	HSP70 Heat shock protein 70 (chloroplastic)		Lentini et al. (2018). Early responses to cadmium exposure in barley plants: e...
AS08 348	HSP70 Heat shock protein 70 (chloroplastic)	30191298	Yoon et al. (2018). The subfamily II catalytic subunits of protein phosphatase...
AS08 348	HSP70 Heat shock protein 70 (chloroplastic)	29367233	Wu et al. (2018). Control of Retrograde Signaling by Rapid Turnover of GENOMES...
AS08 348	HSP70 Heat shock protein 70 (chloroplastic)	27541077	Shen et al. (2016). The Arabidopsis polyamine transporter LHR1/PUT3 modulates ...
AS08 348	HSP70 Heat shock protein 70 (chloroplastic)		Jedmowski et al. (2014). Comparative analysis of drought stress effects on pho...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)		Cvetkovska et al. (2022) A constitutive stress response is a result of low tem...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)		Wang et al. (2022) 17-(Allylamino)-17-demethoxygeldanamycin treatment induces ...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	35099557	Chong et al. (2022) The tomato OST1-VOZ1 module regulates drought-mediated flo...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	35738478	Bychkov et al. (2022) The role of PAP4/FSD3 and PAP9/FSD2 in heat stress respo...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	35889067	Belonoznikova et al. (2022). Seed Protection of Solanum lycopersicum with Pyth...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	34664276	Cvetkovska et al. (2022) A constitutive stress response is a result of low tem...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	34451672	Swetha et al. (2021) Single and Combined Salinity and Heat Stresses Impact Yie...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	34831098	Shteinberg et al. (2021) Tomato Yellow Leaf Curl Virus (TYLCV) Promotes Plant ...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	34937558	Kumari et al. (2021) In-depth assembly of organ and development dissected Picr...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	34970822	Mishra et al. (2021) Interplay between abiotic (drought) and biotic (virus) st...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	32215974	Tabassum et al. (2020). FLOURY ENDOSPERM11-2 Encodes Plastid HSP70-2 Involved ...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	32164259	Sadura et al. (2020). HSP Transcript and Protein Accumulation in Brassinostero...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)		Azaiez et al. (2020). Salt Stress Induces Differentiated Nitrogen Uptake and A...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)		Plazek et al. (2020). Synthesis of heat-shock proteins HSP-70 and HSP-90 in f...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	31113833	McLoughlin et al. (2019) HSP101 Interacts with the Proteasome and Promotes the...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	30540969	Deng et al. (2019). Integrated proteome analyses of wheat glume and awn reveal...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	31691798	Rowarth et al. (2019). Hsp70 plays a role in programmed cell death during the ...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)		Lentini et al. (2018). Early responses to cadmium exposure in barley plants: e...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	30386183	Fan et al. (2018). Comparative proteomic analysis of Ulva prolifera response t...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	30497407	Pan et al. (2018). Comparative proteomic investigation of drought responses in...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)		Lentini et al. (2018). Early responses to cadmium exposure in barley plants: e...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	29957573	Balazova et al. (2018). Zinc oxide nanoparticles phytotoxicity on halophyte fr...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	30191298	Yoon et al. (2018). The subfamily II catalytic subunits of protein phosphatase...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)		Alamri et al. (2018). Nitric oxide-mediated cross-talk of proline and heat sho...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	29269486	Barghetti et al. (2017). Heat-shock protein 40 is the key farnesylation target...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	28324352	Gorovits et al. (2017). The six Tomato yellow leaf curl virus genes expressed ...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	28155228	Fernandez-Bautista N. et al. (2017). AtHOP3, a member of the HOP family in Ara...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)		Hammann et al. (2016). Selection of heat-shock resistance traits during the in...
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	27474115	McLoughlin et al. (2016) Class I and II Small Heat Shock Proteins Together wit...

AS08 371	HSP70	Heat shock protein 70 (cytoplasmic)	27541077	Shen et al. (2016). The Arabidopsis polyamine transporter LHR1/PUT3 modulates ...
AS08 371	HSP70	Heat shock protein 70 (cytoplasmic)	26654789	Gorovits et al. (2016). Tomato yellow leaf curl virus confronts host degradati...
AS08 371	HSP70	Heat shock protein 70 (cytoplasmic)	26792235	Ghandi et al. (2016). Tomato yellow leaf curl virus infection mitigates the he...
AS08 347	HSP70	Heat shock protein 70 (mitochondrial)		Lentini et al. (2018). Early responses to cadmium exposure in barley plants: e...
AS08 347	HSP70	Heat shock protein 70 (mitochondrial)		Rurek et al. (2018). Mitochondrial Biogenesis in Diverse Cauliflower Cultivars...
AS08 347	HSP70	Heat shock protein 70 (mitochondrial)	29156584	Opalinska et al. (2017). Identification of Physiological Substrates and Bindin...
AS08 347	HSP70	Heat shock protein 70 (mitochondrial)	27789739	Murcha et al. (2016). Plant specific Preprotein and Amino Acid Transporter pro...
AS05 061	HSP70	salmonid heat shock protein 70		Le Francois et al (2022). Compensatory growth response of juvenile Arctic char...
AS05 061	HSP70	salmonid heat shock protein 70		Biela et al. (2020). Evidence of prevalent heat stress in Yukon River Chinook ...
AS05 061	HSP70	salmonid heat shock protein 70	29237575	Kelly et al. (2017). Acclimation capacity of the cardiac HSP70 and HSP90 respo...
AS05 061	HSP70	salmonid heat shock protein 70	25629693	Ricketts et al. (2015). The Effects of Acute Waterborne Exposure to Sublethal ...
AS05 061	HSP70	salmonid heat shock protein 70	24760599	Templeman et al. (2014). Linking physiological and cellular responses to therm...
AS05 061A	HSP70	Salmonid heat shock protein 70, Affinity purified	31790806	Mottola et al. (2020). Comp Biochem Physiol A Mol Integr Physiol. 2020 Feb;240...
AS05 061A	HSP70	Salmonid heat shock protein 70, Affinity purified		Gallant et al. (2017). Physiological responses to a short-term, environmental...
AS05 061A	HSP70	Salmonid heat shock protein 70, Affinity purified	27872596	Lewis et al. (2016). Different Relationship between hsp70 mRNA and hsp70 Level...
AS05 061A	HSP70	Salmonid heat shock protein 70, Affinity purified		Curie et al. (2008). Beta-Adrenergic Stimulation Enhances the Heat-Shock Respo...
AS09 592	HSP70/HSC70	Heat shock protein 70	22561700	Chandra et al. (2012). Sustained high temperature increases the vitellogenin r...
AS05 083	HSP70/HSC70	Heat shock protein 70/Heat shock cognate protein 70 (serum)	26050212	MacLellan et al. (2015). Chaperone roles for TMAO and HSP70 during hypoosmotic ...
AS05 083	HSP70/HSC70	Heat shock protein 70/Heat shock cognate protein 70 (serum)	25427894	Bessemmer et al. (2014). Cardiorespiratory toxicity of environmentally relevant...
AS05 083	HSP70/HSC70	Heat shock protein 70/Heat shock cognate protein 70 (serum)	23894631	Gorovits et al. (2013). Recruitment of the host plant heat shock protein 70 by...
AS05 083A	HSP70/HSC70	Heat shock protein 70/Heat shock cognate protein 70, Affinity purified	31976076	Morash et al. (2020). The endemic and endangered Maugean Skate (Zearaja maugea...
AS05 083A	HSP70/HSC70	Heat shock protein 70/Heat shock cognate protein 70, Affinity purified		Bockus et al. (2020). Thermal Range and Physiological Tolerance Mechanisms in ...
AS05 083A	HSP70/HSC70	Heat shock protein 70/Heat shock cognate protein 70, Affinity purified	27207636	Tunnah et al (2016). Physiological responses to hypersalinity correspond to nu...
AS05 083A	HSP70/HSC70	Heat shock protein 70/Heat shock cognate protein 70, Affinity purified		Bockus (2016). A Study of the Regulatory and Environmental Factors Affecting T...
AS05 083A	HSP70/HSC70	Heat shock protein 70/Heat shock cognate protein 70, Affinity purified		French et al. (2015). High survivorship after catch-and-release fishing sugges...
AS06 175	HSP70B	Stromal alfa-HSP70 (algal)		Cvetkovska et al. (2022) A constitutive stress response is a result of low tem...
AS06 175	HSP70B	Stromal alfa-HSP70 (algal)	34664276	Cvetkovska et al. (2022) A constitutive stress response is a result of low tem...
AS06 175	HSP70B	Stromal alfa-HSP70 (algal)		Gonzaga Heredia-Martinez et al. (2018). Chloroplast damage induced by the inhi...
AS06 175	HSP70B	Stromal alfa-HSP70 (algal)	21825107	Diaz-Troya et al. (2011). Inhibition of protein synthesis by TOR inactivation ...
AS05 063	HSP90	Heat shock protein 90	29237575	Kelly et al. (2017). Acclimation capacity of the cardiac HSP70 and HSP90 respo...
AS05 063	HSP90	Heat shock protein 90	25629693	Ricketts et al. (2015). The Effects of Acute Waterborne Exposure to Sublethal ...
AS05 063	HSP90	Heat shock protein 90		Liu et al. (2014). Spermidine Enhances Waterlogging Tolerance via Regulation o...
AS05 063	HSP90	Heat shock protein 90	22561700	Chandra et al. (2012). Sustained high temperature increases the vitellogenin r...
AS08 346	HSP90-1	heat shock protein 90-1	36707919	Zeng et al. (2023) HSP90s are required for hypocotyl elongation during skotomo...
AS08 346	HSP90-1	heat shock protein 90-1		Cvetkovska et al. (2022) A constitutive stress response is a result of low tem...
AS08 346	HSP90-1	heat shock protein 90-1	35100405	Szadeczký-Kardoss et al. (2022) Elongation factor TFIIIS is essential for heat ...
AS08 346	HSP90-1	heat shock protein 90-1	35738478	Bychkov et al. (2022) The role of PAP4/FSD3 and PAP9/FSD2 in heat stress respo...
AS08 346	HSP90-1	heat shock protein 90-1	35889067	Belonoznikova et al. (2022). Seed Protection of Solanum lycopersicum with Pyth...
AS08 346	HSP90-1	heat shock protein 90-1	36242043	Jiang et al. (2022) CEF3 is involved in membrane trafficking and essential for...
AS08 346	HSP90-1	heat shock protein 90-1		Oieda et al. (2021) A chloroplast redox relay adapts plastid metabolism to lig...
AS08 346	HSP90-1	heat shock protein 90-1	34573369	Jeran et al. (2021) The PUB4 E3 Ubiquitin Ligase Is Responsible for the Variieg...
AS08 346	HSP90-1	heat shock protein 90-1	34831098	Shteinberg et al. (2021) Tomato Yellow Leaf Curl Virus (TYLCV) Promotes Plant ...
AS08 346	HSP90-1	heat shock protein 90-1	34970822	Mishra et al. (2021) Interplay between abiotic (drought) and biotic (virus) st...
AS08 346	HSP90-1	heat shock protein 90-1	32024917	Gorovits et al. (2020). Pharmaceuticals in treated wastewater induce a stress ...
AS08 346	HSP90-1	heat shock protein 90-1	32164259	Sadura et al. (2020). HSP Transcript and Protein Accumulation in Brassinostero...
AS08 346	HSP90-1	heat shock protein 90-1	32396196	Esteve-Bruna et al. (2020). Prefoldins Contribute to Maintaining the Levels of...
AS08 346	HSP90-1	heat shock protein 90-1		Plazek et al. (2020). Synthesis of heat-shock proteins HSP-70 and HSP-90 in f...
AS08 346	HSP90-1	heat shock protein 90-1	30136402	Sedaghatmehr et al. (2019). A regulatory role of autophagy for resetting the m...
AS08 346	HSP90-1	heat shock protein 90-1		Kato et al. (2019). Induction of the heat shock response in Arabidopsis by chl...
AS08 346	HSP90-1	heat shock protein 90-1	29957573	Balazova et al. (2018). Zinc oxide nanoparticles phytotoxicity on halophyte fr...
AS08 346	HSP90-1	heat shock protein 90-1		Alamri et al. (2018). Nitric oxide-mediated cross-talk of proline and heat sho...
AS08 346	HSP90-1	heat shock protein 90-1	30136402	Sedaghatmehr et al. (2018). A regulatory role of autophagy for resetting the m...
AS08 346	HSP90-1	heat shock protein 90-1	29852366	Danilova et al. (2018). Differential impact of heat stress on the expression o...

AS08 346	HSP90-1 heat shock protein 90-1	29061867	Gil et al. (2017) ZEITLUPE Contributes to a Thermoresponsive Protein Quality C...
AS08 346	HSP90-1 heat shock protein 90-1	26792235	Ghandi et al. (2016). Tomato yellow leaf curl virus infection mitigates the he...
AS08 346	HSP90-1 heat shock protein 90-1	26432860	Derbyshire et al. (2015). Proteomic Analysis of Microtubule Interacting Protei...
AS08 346	HSP90-1 heat shock protein 90-1	25962748	Moshe et al. (2015). Tomato plant cell death induced by inhibition of HSP90 is...
AS08 346	HSP90-1 heat shock protein 90-1	26074939	Svozil et al. (2015). Proteasome targeting of proteins in Arabidopsis leaf mes...
AS08 346	HSP90-1 heat shock protein 90-1	25336566	Tillmann et al. (2014). Hsp90 is involved in the regulation of cytosolic precu...
AS08 346	HSP90-1 heat shock protein 90-1	24732913	Svozil et al. (2014). Protein abundance changes and ubiquitylation targets ide...
AS08 346	HSP90-1 heat shock protein 90-1		Finka et al. (2012). Plasma Membrane Cyclic Nucleotide Gated Calcium Channels ...
AS11 1629	HSP90-2 heat shock protein 90-2	35385724	Jamsheer et al. (2022) A negative feedback loop of TOR signaling balances grow...
AS11 1629	HSP90-2 heat shock protein 90-2	34034635	Gao et al. (2021) Identification of a bacterial-type ATP-binding cassette tran...
AS11 1629	HSP90-2 heat shock protein 90-2	29269486	Barghetti et al. (2017). Heat-shock protein 40 is the key farnesylation target...
AS11 1629	HSP90-2 heat shock protein 90-2	23093946	He et a. (2012). Specific Missense Alleles of the Arabidopsis Jasmonic Acid Co-Recept...
AS06 174	HSP90C alfa-HSP90C, heat shock protein (algal)		Cvetkovska et al. (2022) A constitutive stress response is a result of low tem...
AS06 174	HSP90C alfa-HSP90C, heat shock protein (algal)	31612858	Perlaza et al. (2019). The Mars1 kinase confers photoprotection through signal...
AS06 174	HSP90C alfa-HSP90C, heat shock protein (algal)	15995001	Willmund & Schroda (2005). HSP90C is a bona-fide Hsp90 that interacts with pl...
AS10 718	HTA9 Probable histone H2A variant 3	35022409	Bieluszewski et al. (2022) NuA4 and H2A.Z control environmental responses and...
AS10 718	HTA9 Probable histone H2A variant 3	35022409	Bieluszewski et al. (2022) NuA4 and H2A.Z control environmental responses and ...
AS10 718	HTA9 Probable histone H2A variant 3	36017638	Sun, Yin, Ma, et al. (2022) Feedback regulation of auxin signaling through the...
AS10 718	HTA9 Probable histone H2A variant 3	36575647	Abelenda et al. (2022) High ambient temperature impacts on flowering time in B...
AS10 718	HTA9 Probable histone H2A variant 3	32546254	Kralemann et al. (2020). Removal of H2Aub1 by ubiquitin-specific proteases 12 ...
AS10 718	HTA9 Probable histone H2A variant 3	31249301	Gomez-Zambrano et al. (2019). The repressive role of Arabidopsis H2A.Z in tran...
AS10 718	HTA9 Probable histone H2A variant 3	29604400	Gomez-Zambrano et al. (2018). Arabidopsis SWC4 Binds DNA and Recruits the SWR1...
AS12 2601	HXX1 Hexokinase 1	35926874	Lan, Ma, Zheng, et al. (2022) Ubiquitome profiling reveals a regulatory patter...
AS12 2601	HXX1 Hexokinase 1		Gil et al. (2017) ZEITLUPE Contributes to a Thermoresponsive Protein Quality C...
AS16 4083	HXX1 Hexokinase 1 (Chlamydomonas)		Upadhyaya and Jagadeeshwar Rao (2019). Reciprocal regulation of photosynthesis...
AS12 1867	HYS Protein long hypocotyl 5		Cazzonelli et al. (2019). A cis-carotene derived apocarotenoid regulates etiop...
AS12 1867	HYS Protein long hypocotyl 5	29273730	Lee et al. (2017). The F-box protein FKF1 inhibits dimerization of COP1 in the...
AS12 1867	HYS Protein long hypocotyl 5	29103938	Sinclair et al. (2017) Etiolated Seedling Development Requires Repression of P...
AS09 514	HydA Iron-hydrogenase HydA1/HydA2	31827608	Jokel et al. (2020). Elimination of the flavodiiron electron sink facilitates ...
AS09 514	HydA Iron-hydrogenase HydA1/HydA2		Lindblad et al. (2019). CyanoFactory, a European consortium to develop technol...
AS09 514	HydA Iron-hydrogenase HydA1/HydA2		Weiner et al (2018). Overcoming the expression barrier of the ferredoxin-hydro...
AS09 514	HydA Iron-hydrogenase HydA1/HydA2	28064249	Wei et al. (2017). Light Intensity is Important for Hydrogen Production in NaH...
AS09 514	HydA Iron-hydrogenase HydA1/HydA2	27582874	Eilenberg et al. (2016). The dual effect of a ferredoxin-hydrogenase fusion pr...
AS09 514	HydA Iron-hydrogenase HydA1/HydA2	27443604	Liran et al. (2016). Microoxic Niches within the Thylakoid Stroma of Air-Grown...
AS09 514	HydA Iron-hydrogenase HydA1/HydA2		Reifschneider-Wegner et al. (2014). Expression of the [FeFe] hydrogenase in th...
AS09 514	HydA Iron-hydrogenase HydA1/HydA2	23649352	Pinto et al. (2013). Rubisco mutants of Chlamydomonas reinhardtii enhance phot...
AS09 514	HydA Iron-hydrogenase HydA1/HydA2	22271746	Magneschi et al. (2012). A Mutant in the ADH1 Gene of Chlamydomonas reinhardtii...
AS06 136	HYL1 Hyponastic leave phenotype ds-RNA binding protein	36373807	Li et al, (2023) The plant FYVE domain-containing protein FREE1 associates wit...
AS06 136	HYL1 Hyponastic leave phenotype ds-RNA binding protein	35260568	Liang et al. (2022). Arabidopsis RBV is a conserved WD40 repeat protein that p...
AS06 136	HYL1 Hyponastic leave phenotype ds-RNA binding protein	35417704	Hacquard et al. (2022) The Arabidopsis F-box protein FBW2 targets AGO1 for deg...
AS06 136	HYL1 Hyponastic leave phenotype ds-RNA binding protein	31908804	Ren et al. (2020). BcplH organizes a specific subset of microRNAs to form a le...
AS06 136	HYL1 Hyponastic leave phenotype ds-RNA binding protein	30674692	Wang et al. (2019). The PROTEIN PHOSPHATASE4 Complex Promotes Transcription an...
AS06 136	HYL1 Hyponastic leave phenotype ds-RNA binding protein	28586645	Su et al. (2017). The Protein Phosphatase 4 and SMEK1 Complex Dephosphorylates...
AS06 136	HYL1 Hyponastic leave phenotype ds-RNA binding protein	27870853	Li et al. (2016). Intron Lariat RNA Inhibits MicroRNA Biogenesis by Sequesteri...
AS06 136	HYL1 Hyponastic leave phenotype ds-RNA binding protein	25976549	Francisco-Mangilet et al. (2015). THO2, core member of the THO/TREX complex, i...
AS06 136	HYL1 Hyponastic leave phenotype ds-RNA binding protein	24137006	Raczynska et al. (2013). The SERRATE protein is involved in alternative splicing in...
AS06 136	HYL1 Hyponastic leave phenotype ds-RNA binding protein	23141542	Manavella et al. (2012). Fast-Forward Genetics Identifies Plant CPL Phosphatas...
AS06 193	IAA Indole 3 acetic acid	30878877	Kučko et al. (2019). Spatio-temporal IAA gradient is determined by interaction...
AS06 193	IAA Indole 3 acetic acid		Nishimura and Koshiba (2019). Immunolocalization of IAA Using an Anti-IAA-C-An...
AS06 193	IAA Indole 3 acetic acid	31451632	La Porta et al. (2019). Metamaterial architecture from a self-shaping carnivor...
AS06 193	IAA Indole 3 acetic acid	26213119	Lu et al. (2015). OsPIN5b modulates rice plant architecture and yield by chang...
AS06 193	IAA Indole 3 acetic acid	19436044	Bianco and Defez (2009). Medicago truncatula improves salt tolerance when nodu...
AS09 445	IAA Indole-3-acetic acid (C1') (for immunolocalization)	26250135	Livanos et al. (2015). Deliberate ROS production and auxin synergistically tri...

AS09 421	IAA indole-3-acetic acid (N1) (for immunolocalization)		Huang et al. (2023) Integrative analysis based on transcriptome revealed the r...
AS09 421	IAA indole-3-acetic acid (N1) (for immunolocalization)	33620494	Nukazuka et al. (2021). A Role for Auxin in Triggering Lamina Outgrowth of Uni...
AS09 421	IAA indole-3-acetic acid (N1) (for immunolocalization)	29195232	Dinis et al. (2018). Kaolin modulates ABA and IAA dynamics and physiology of g...
AS09 421	IAA indole-3-acetic acid (N1) (for immunolocalization)	26764270	Escandon et al. (2016). Integrated physiological and hormonal profile of heat-...
AS09 421	IAA indole-3-acetic acid (N1) (for immunolocalization)		Jesus et al. (2015). Salicylic acid application modulates physiological and ho...
AS09 421	IAA indole-3-acetic acid (N1) (for immunolocalization)	23677119	De Diego et al. (2013). Immunolocalization of IAA and ABA in roots and nodules of fra...
AS09 517	IAA tracer (alkaline phosphatase conjugated)	26986929	Krasuska et al. (2016). Toxicity of canavanine in tomato (Solanum lycopersicum...
AS09 517	IAA tracer (alkaline phosphatase conjugated)	PMC4974009	Araniti et al. (2016). Loss of Gravitropism in Farnesene-Treated Arabidopsis L...
AS09 517	IAA tracer (alkaline phosphatase conjugated)		Soltys et al. (2014). Phytotoxic cyanamide affects maize (Zea mays) root growt...
AS16 3971	ICE1 Inducer of CBF expression 1		Patir-Nebioglu et al. (2019). Pyrophosphate modulates plant stress responses v...
AS10 713	ICL Isocitrate lyase	30463517	Larsson and Voss (2018). Neuroprotective effects of vitamin D on high fat diet...
AS09 500	ICL Isocitrate lyase	30900791	Rethore et al. (2019). Arabidopsis seedlings display a remarkable resilience u...
AS09 500	ICL Isocitrate lyase		Maeshima et al. (1988). Evidence for no proteolytic processing during transpor...
AS06 203A	IDH Isocitrate dehydrogenase (Cellular [compartment marker] of mitochondrial matrix)	5417702	Li et al. (2022) The CDC48 complex mediates ubiquitin-dependent degradation of...
AS06 203A	IDH Isocitrate dehydrogenase (Cellular [compartment marker] of mitochondrial matrix)	29462458	Kolodziejczak et al. (2018). m-AAA Complexes Are Not Crucial for the Survival...
AS06 203A	IDH Isocitrate dehydrogenase (Cellular [compartment marker] of mitochondrial matrix)		Rurek et al. (2018). Mitochondrial Biogenesis in Diverse Cauliflower Cultivars...
AS06 203A	IDH Isocitrate dehydrogenase (Cellular [compartment marker] of mitochondrial matrix)	27122350	Fujii et al. (2016). The Restorer-of-fertility-like 2 pentatricopeptide repeat...
AS06 203A	IDH Isocitrate dehydrogenase (Cellular [compartment marker] of mitochondrial matrix)	27124767	Yin et al. (2016). Comprehensive Mitochondrial Metabolic Shift during the Crit...
AS06 203A	IDH Isocitrate dehydrogenase (Cellular [compartment marker] of mitochondrial matrix)	27789589	Wang et al. (2016). Comprehensive proteomic analysis of developing protein bod...
AS06 203A	IDH Isocitrate dehydrogenase (Cellular [compartment marker] of mitochondrial matrix)	25617518	Rurek et al. (2015). Biogenesis of mitochondria in cauliflower (Brassica olerac...
AS13 2710	IPP isomerase Isopentenyl pyrophosphate isomerase		Sun et al. (1998). Differential expression of two isopentenyl pyrophosphate is...
AS11 1780	IRT1 Iron regulated transporter 1	36286193	Domka et al. (2023) Endophytic yeast protect plants against metal toxicity by ...
AS11 1780	IRT1 Iron regulated transporter 1		Kostic et al. (2022). The Relative Sensitivity of Marigold vs. Tomato to Iron (...
AS11 1780	IRT1 Iron regulated transporter 1	36269689	Spielmann et al. (2022) Differential metal sensing and metal-dependent degrada...
AS11 1780	IRT1 Iron regulated transporter 1		Gautam et al. (2021) IRONMAN Tunes Responses to Iron Deficiency in Concert wit...
AS11 1780	IRT1 Iron regulated transporter 1	24596241	Ivanov et al. (2014). SORTING NEXIN1 Is Required for Modulating the Traffickin...
AS11 1780	IRT1 Iron regulated transporter 1	25452667	Selote et al. (2014). Iron-binding E3 ligase mediates iron response in plants ...
AS11 1799	JA Jasmonic acid	5771641	Gao et al. (2022) A rhabdovirus accessory protein inhibits jasmonic acid signa...
AS11 1799	JA Jasmonic acid	32192046	Wojciechowska et al. (2020). Abscisic Acid and Jasmonate Metabolisms Are Joint...
AS08 374	KatG catalase peroxidase (HPI), cyanobacterial	30407607	Hakkila et al. (2018). Group 2 Sigma Factors Are Central Regulators of Oxidati...
AS08 374	KatG catalase peroxidase (HPI), cyanobacterial	23139412	Wenk et al. (2012). A universally conserved GTPase regulates the oxidative str...
AS09 515	KC1 potassium channel KAT3	19794113	Honsbein et al. (2009). A tripartite SNARE-K+ channel complex mediates in chan...
AS99 001	KLH Keyhole limpet hemocyanin		Geadkaew et al. (2014). Bi-functionality of Opisthorchis viverrini aquaporins...
AS99 001	KLH Keyhole limpet hemocyanin		Hoglund et al. (2002). An Antigen Expressed During Plant Vascular Development ...
AS15 2989	KUA1 MYB transcription factor		Pandey et al. (2019). Epigenetic control of UV-B-induced flavonoid accumulatio...
AS13 2650	L13-1 60S ribosomal protein L13-1	31941669	Shinozaki et al. (2020). Autophagy Increases Zinc Bioavailability to Avoid Lig...
AS13 2650	L13-1 60S ribosomal protein L13-1	32674508	Pereira Firmino et al. (2020). Separation and Paired Proteome Profiling of Pla...
AS13 2650	L13-1 60S ribosomal protein L13-1		Li (2019). The Isolation of Total and Membrane-Bound Polysomes from Arabidopsi...
AS13 2650	L13-1 60S ribosomal protein L13-1		You et al. (2019). FIERY1 promotes microRNA accumulation by suppressing rRNA-d...
AS13 2650	L13-1 60S ribosomal protein L13-1	30309899	de Francisco Amorim et al. (2018). The U1 snRNP Subunit LUC7 Modulates Plant D...
AS13 2650	L13-1 60S ribosomal protein L13-1	29382692	Beine-Golovchuk et al. (2018). Plant Temperature Acclimation and Growth Rely o...
AS13 2650	L13-1 60S ribosomal protein L13-1	27789589	Wang et al. (2016). Comprehensive proteomic analysis of developing protein bod...
AS15 3069	L16 Mitochondrial ribosomal large subunit protein L16	35864185	Gruttner et al. (2022) The P-type pentatricopeptide repeat protein DWEORG1 is ...
AS15 3069	L16 Mitochondrial ribosomal large subunit protein L16		Wang et al. (2020) Rerouting of ribosomal proteins into splicing in plant orga...
AS15 3069	L16 Mitochondrial ribosomal large subunit protein L16		Kolodziejczak et al. (2018). m-AAA Complexes Are Not Crucial for the Survival ...
AS15 3069	L16 Mitochondrial ribosomal large subunit protein L16		Kwaśniak et al. (2013). Silencing of nuclear RPS10 gene encoding mitochondrial...
AS16 3144	LacI Lactose operon repressor (clone 15C11)		Kim T., et al. (2005) Engineering a root-specific, repressor-operator gene com...
AS05 090	Lci5 low carbon dioxide induced protein number 5	16572472	Turkina et al. (2006). CO2 limitation induces specific redox-dependent protei...
AS21 4541	LexA LexA repressor	15289460	Hishida et al (2004) Role of the Escherichia coli RecQ DNA helicase in SOS sig...
AS12 2614	LexA SOS function regulatory protein		Oliveira and Lindblad (2011). Novel insights into the regulation of LexA in th...
AS08 282	Lhc1 from PSI of red alga		Tan et al. (1995). Decrease of polypeptides in the PS I antenna complex with in...
AS08 282	Lhc1 from PSI of red alga		Wolfe et al. (1994) Evidence for a common origin of chloroplasts with light-ha...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	35202657	Espinoza-Corral & Lundquist. (2022) The plastoglobule-localized protein AtABC1...

AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	5241118	Sarvari et al. (2022). Qualitative and quantitative evaluation of thylakoid co...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	35715975	Harchouni et al. (2022) Guanosine tetraphosphate (ppGpp) accumulation inhibits...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein		Chen et al. (2021) Degradation of the photosystem II core complex is independen...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	34831107	Wada et al. (2021) Identification of a Novel Mutation Exacerbated the PSI Phot...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	34937558	Kumari et al. (2021) In-depth assembly of organ and development dissected Picr...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein		Wang et al. (2020). Post-translational coordination of chlorophyll biosynthesi...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	32620827	Forlani et al. (2020). HEBE, a novel positive regulator of senescence in Solanu...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	32478391	Zhu et al. (2020). A NAC transcription factor and its interaction protein hind...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	30631956	Krupinska et al. (2019). The nucleoid-associated protein WHIRLY1 is required f...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	31906067	Chen et al. (2019). Effects of Stripe Rust Infection on the Levels of Redox Ba...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	30104347	Yoshida et al. (2018). Thioredoxin-like2/2-Cys peroxiredoxin redox cascade sup...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	30111841	Li et al. (2018). Modulating plant growth-metabolism coordination for sustaina...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	29423236	Zhu et al. (2018). A comprehensive proteomic analysis of elaioplasts from citr...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	28636143	Yang et al. (2017). Tetratricopeptide repeat protein Pyp7 is essential for pho...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	28382592	Tyureva et al. (2017). The absence of chlorophyll b affects lateral mobility ...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	27590049	Mazur et al. (2016). Overlapping toxic effect of long term thallium exposure o...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	26903622	Heinzel et al. (2016). Tetratricopeptide repeat protein protects photosyste...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	25214185	Qin et al. (2014). Isolation and characterization of a PSI-LHCI super-complex ...
AS01 005	Lhca1 PSI type I chlorophyll a/b-binding protein	24815689	Saito et al. (2014). Fe deficiency induces phosphorylation and translocation o...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	5241118	Sarvari et al. (2022). Qualitative and quantitative evaluation of thylakoid co...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	34607178	Fukura et al. (2021) Enrichment of chlorophyll catabolic enzymes in grana mar...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	31994740	Their et al. (2020). VIPP2 interacts with VIPP1 and HSP22E/F at chloroplast me...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	32478391	Zhu et al. (2020). A NAC transcription factor and its interaction protein hind...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	30663054	Vojta and Fulgosi (2019). Topology of TROL protein in thylakoid membranes of A...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	30787178	Roth et al. (2019). Regulation of Oxygenic Photosynthesis during Trophic Trans...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	29305728	Kim et al. (2018). The rice zebra3 (z3) mutation disrupts citrate distribution...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein		Chen et al. (2017). Comparison of Photosynthetic Characteristics and Antioxida...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	28636143	Yang et al. (2017). Tetratricopeptide repeat protein Pyp7 is essential for pho...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	28194795	Míguez et al. (2017). Diversity of winter photoinhibitory responses: A case st...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	28103400	Hu et al. (2017). The SUFBC2 D Complex is Required for the Biogenesis of All M...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	27057002	Kunugi et al. (2016). Evolution of Green Plants Accompanied Changes in Light-H...
AS01 006	Lhca2 PSI type II chlorophyll a/b-binding protein	25214185	Qin et al. (2014). Isolation and characterization of a PSI-LHCI super-complex ...
AS01 007	Lhca3 PSI type III chlorophyll a/b-binding protein	5241118	Sarvari et al. (2022). Qualitative and quantitative evaluation of thylakoid co...
AS01 007	Lhca3 PSI type III chlorophyll a/b-binding protein	32478391	Zhu et al. (2020). A NAC transcription factor and its interaction protein hind...
AS01 007	Lhca3 PSI type III chlorophyll a/b-binding protein	31906067	Chen et al. (2019). Effects of Stripe Rust Infection on the Levels of Redox Ba...
AS01 007	Lhca3 PSI type III chlorophyll a/b-binding protein	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS01 007	Lhca3 PSI type III chlorophyll a/b-binding protein	30111841	Li et al. (2018). Modulating plant growth-metabolism coordination for sustaina...
AS01 007	Lhca3 PSI type III chlorophyll a/b-binding protein	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS01 007	Lhca3 PSI type III chlorophyll a/b-binding protein		Chen et al. (2017). Comparison of Photosynthetic Characteristics and Antioxida...
AS01 007	Lhca3 PSI type III chlorophyll a/b-binding protein	28382592	Tyureva et al. (2017). The absence of chlorophyll b affects lateral mobility ...
AS01 007	Lhca3 PSI type III chlorophyll a/b-binding protein	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS01 007	Lhca3 PSI type III chlorophyll a/b-binding protein	25809225	Yokono et al. (2015). A megacomplex composed of both photosystem reaction cent...
AS01 007	Lhca3 PSI type III chlorophyll a/b-binding protein	25214185	Qin et al. (2014). Isolation and characterization of a PSI-LHCI super-complex ...
AS01 008	Lhca4 PSI type IV chlorophyll a/b-binding protein		Ivanov et al. (2022) The decreased PG content of pgg1 inhibits PSI photochemis...

AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	5241118	Sarvari et al. (2022). Qualitative and quantitative evaluation of thylakoid co...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	32620827	Forlani et al. (2020). HEBE, a novel positive regulator of senescence in Solanu...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	32478391	Zhu et al. (2020). A NAC transcription factor and its interaction protein hind...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	31906067	Chen et al. (2019). Effects of Stripe Rust Infection on the Levels of Redox Ba...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	30111841	Li et al. (2018). Modulating plant growth-metabolism coordination for sustaina...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	29423236	Zhu et al. (2018). A comprehensive proteomic analysis of elaioplasts from citr...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	28382592	Tyureva et al. (2017). The absence of chlorophyll b affects lateral mobility ...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	27784767	Nath et al. (2016). A Nitrogen-Fixing Subunit Essential for Accumulating 4Fe-4...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	25809225	Yokono et al. (2015). A megacomplex composed of both photosystem reaction cent...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS01 008	Lhca4	PSI type IV chlorophyll a/b-binding protein	25214185	Qin et al. (2014). Isolation and characterization of a PSI-LHCI super-complex ...
AS05 082	Lhca5	PSI type V chlorophyll a/b-binding protein	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS05 082	Lhca5	PSI type V chlorophyll a/b-binding protein	25214185	Qin et al. (2014). Isolation and characterization of a PSI-LHCI super-complex ...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein		Ivanov et al. (2022) The decreased PG content of pgg1 inhibits PSI photochemis...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	35171295	Gao Y et al. (2022). Chloroplast translational regulation uncovers nonessentia...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	35715975	Harchouni et al. (2022). Guanosine tetraphosphate (ppGpp) accumulation inhibits...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	33939808	Wu et al. (2021). Formation of light-harvesting complex (LHC) II aggregates fr...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	33975629	Loudya et al. (2021) Cellular and transcriptomic analyses reveal two-staged ch...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein		Chen, Liu & Liu (2021) Loss-Function of EGY1 Results in Photosynthesis Damage ...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	34585156	Medina-Puche et al (2021). Protocol for evaluating protein relocation from...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	32041909	Galvis et al. (2020). H+ transport by K+ EXCHANGE ANTIPORTER3 promotes photosy...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	32169700	Wang et al. (2020). Effects and Mechanisms of Foliar Application of Silicon an...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	32620827	Forlani et al. (2020). HEBE, a novel positive regulator of senescence in Solanu...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	32478391	Zhu et al. (2020). A NAC transcription factor and its interaction protein hind...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	33082138	Shukla et al. (2020). A novel method produces native LHCII aggregates from the...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein		Rogowski et al. (2019). Photosynthesis and organization of maize mesophyll and...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	30606779	Lv et al. (2019). Uncoupled Expression of Nuclear and Plastid Photosynthesis-A...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	31114631	Koh et al. (2019). Heterologous synthesis of chlorophyll b in Nannochloropsis ...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein		Averina et al. (2019). Photosynthesis and Oxygen Uptake Rate in Winter Rape Pl...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	30464337	Chen et al. (2018). TIC236 links the outer and inner membrane translocons of t...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	29803724	Giovanardi et al. (2018). In pea stipules a functional photosynthetic electron...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	28980426	Rantala et al. (2017). Proteomic characterization of hierarchical megacomplex ...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	29263352	Shin et al. (2017). Complementation of a mutation in CpSRP43 causing partial t...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	27590049	Mazur et al. (2016). Overlapping toxic effect of long term thallium exposure o...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein		Kowalewska et al. (2016). Three-dimensional visualization of the internal plas...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS01 004	Lhcb1	LHCII type I chlorophyll a/b-binding protein	25451040	Armbruster et al. (2014). Ion antiport accelerates photosynthetic acclimation ...
AS09 522	Lhcb1	LHCII type I chlorophyll a/b-binding protein (Arabidopsis specific)	36152752	Bru, Steen, Park, et al. (2022) The major trimeric antenna complexes serve as ...
AS09 522	Lhcb1	LHCII type I chlorophyll a/b-binding protein (Arabidopsis specific)		Wang et al. (2020). Post-translational coordination of chlorophyll biosynthesi...
AS09 522	Lhcb1	LHCII type I chlorophyll a/b-binding protein (Arabidopsis specific)	31240258	Pralon et al. (2019). Plastoquinone homeostasis by Arabidopsis proton gradien...
AS09 522	Lhcb1	LHCII type I chlorophyll a/b-binding protein (Arabidopsis specific)	29649442	Lal et al. (2018). The Receptor-like Cytoplasmic Kinase BIK1 Localizes to the ...
AS09 522	Lhcb1	LHCII type I chlorophyll a/b-binding protein (Arabidopsis specific)	28922769	Fristedt et al. (2017). PSB33 sustains photosystem II D1 protein under fluctua...
AS09 522	Lhcb1	LHCII type I chlorophyll a/b-binding protein (Arabidopsis specific)	28572458	Hartings et al. (2017). The DnaJ-Like Zinc-Finger Protein HCF222 Is Required f...
AS09 522	Lhcb1	LHCII type I chlorophyll a/b-binding protein (Arabidopsis specific)	28183294	Tamburino et al. (2017). Chloroplast proteome response to drought stress and r...
AS09 522	Lhcb1	LHCII type I chlorophyll a/b-binding protein (Arabidopsis specific)		Correa-Galvis et al. (2016). PsbS interactions involved in the activation of e...
AS09 522	Lhcb1	LHCII type I chlorophyll a/b-binding protein (Arabidopsis specific)	26438789	Longoni et al. (2015). Phosphorylation of the Lhcb2 isoform of Light Harvestin...

AS09 522	Lhcb1 LHCII type I chlorophyll a/b-binding protein (Arabidopsis specific)	23298812	Wientjes et al. (2013). LHCII is an antenna of both photosystems after long-ter...
AS13 2704	Lhcb1-P LHCII type I chlorophyll a/b-binding protein, phopshorylated		Rantala et al. (2022) Chloroplast Acetyltransferase GNAT2 is Involved in the O...
AS13 2704	Lhcb1-P LHCII type I chlorophyll a/b-binding protein, phopshorylated	32930769	Nilsson et al. (2020). PSB33 protein sustains Photosystem II in plant chloropl...
AS13 2704	Lhcb1-P LHCII type I chlorophyll a/b-binding protein, phopshorylated	31784823	Rudenko et al. (2019). The role of carbonic anhydrase alfa-CA4 in the adaptive...
AS13 2704	Lhcb1-P LHCII type I chlorophyll a/b-binding protein, phopshorylated		Rantala and Tikkanen et al. (2018). Phosphorylation-induced lateral rearrangem...
AS13 2704	Lhcb1-P LHCII type I chlorophyll a/b-binding protein, phopshorylated		Rantala et al. (2017). Proteomic characterization of hierarchical megacomplex ...
AS13 2704	Lhcb1-P LHCII type I chlorophyll a/b-binding protein, phopshorylated		#VÄRDEFEL!
AS13 2704	Lhcb1-P LHCII type I chlorophyll a/b-binding protein, phopshorylated		Schonberg et al. (2017). Identification of STN7/STN8 kinase targets reveals co...
AS13 2704	Lhcb1-P LHCII type I chlorophyll a/b-binding protein, phopshorylated		Longoni et al. (2015). Phosphorylation of the Lhcb2 isoform of Light Harvestin...
AS13 2704	Lhcb1-P LHCII type I chlorophyll a/b-binding protein, phopshorylated		Sato et al. (2015). Chlorophyll b degradation by chlorophyll b reductase under...
AS13 2704	Lhcb1-P LHCII type I chlorophyll a/b-binding protein, phopshorylated		Jia et al. (2014). Accumulation of NON-YELLOW COLORING 1 protein of the chloro...
AS13 2704	Lhcb1-P LHCII type I chlorophyll a/b-binding protein, phopshorylated		Leoni et al. (2013). Very rapid phosphorylation kinetics suggest a unique role...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein		Lande et al. (2022) Dehydration-responsive chickpea chloroplast protein, CaPDZ...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein		Ivanov et al. (2022) The decreased PG content of pgg1 inhibits PSI photochemis...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	35738478	Bychkov et al. (2022) The role of PAP4/FSD3 and PAP9/FSD2 in heat stress respo...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	35820961	Cazzaniga et al. (2022). Engineering astaxanthin accumulation reduces photoinh...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	36152752	Bru, Steen, Park, et al. (2022) The major trimeric antenna complexes serve as ...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	36326888	Singh, Muthamilarasan, Prasad (2022). SiHSFA2e regulated expression of SisHSP2...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	33629953	Pipitone et al. (2021). A multifaceted analysis reveals two distinct phases of...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	33399873	Kamea et al. (2021). Substitution of deoxycholate with the amphiphilic polymer...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	33939808	Wu et al. (2021). Formation of light-harvesting complex (LHC) II aggregates fr...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	34632500	Mazur et al. (2021) The SnRK2.10 kinase mitigates the adverse effects of salin...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	34922341	Pavlovic & Kocob. (2021) Alternative oxidase (AOX) in the carnivorous pitche...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	32161322	Toubiana et al. (2020). Correlation-based Network Analysis Combined With Machi...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	32176335	Grieco et al. (2020). Adjustment of photosynthetic activity to drought and flu...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	32245810	Hertle et al. (2020) A Sec14 Domain Protein Is Required for Photoautotrophic G...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	31240258	Pralon et al. (2019). Plastoquinone homeostasis by Arabidopsis proton gradien...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	30606779	Lv et al. (2019). Uncoupled Expression of Nuclear and Plastid Photosynthesis-A...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein		Rogowski et al. (2019). Photosynthesis and organization of maize mesophyll and...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	31114631	Koh et al. (2019). Heterologous synthesis of chlorophyll b in Nannochloropsis ...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	31819921	Bethmann et al. (2019). The zeaxanthin epoxidase is degraded along with the D1...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	30243939	Gayen et al. (2018). Dehydration-induced proteomic landscape of mitochondria i...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	29687222	Tadini et al. (2018). Trans-splicing of plastid rps12 transcripts, mediated by...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	30111841	Li et al. (2018). Modulating plant growth-metabolism coordination for sustaina...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	30078560	Shanmugabalaji et al. (2018). Chloroplast Biogenesis Controlled by DELLA-TOC15...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	29437989	Du et al. (2018). Galactoglycerolipid Lipase PGD1 Is Involved in Thylakoid Mem...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	29305728	Kim et al. (2018). The rice zebra3 (z3) mutation disrupts citrate distribution...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	28980426	Rantala et al. (2017). Proteomic characterization of hierarchical megacomplex ...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	29263352	Shin et al. (2017). Complementation of a mutation in CpsRP43 causing partial t...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	28644828	Cantrell and Peers (2017). A mutant of Chlamydomonas without LHCSR maintains h...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	28382592	Tyuereva et al. (2017). The absence of chlorophyll b affects lateral mobility ...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein	28194795	Míguez et al. (2017). Diversity of winter photoinhibitory responses: A case st...
AS01 003	Lhcb2 LHCII type II chlorophyll a/b-binding protein		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated	36282464	Virtanen, Tyystjarvi, (2023). Plastoquinone pool redox state and control of st...
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated		Rantala et al. (2022) Chloroplast Acetyltransferase GNAT2 is Involved in the O...
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated	33939808	Wu et al. (2021). Formation of light-harvesting complex (LHC) II aggregates fr...
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated	34632500	Mazur et al. (2021) The SnRK2.10 kinase mitigates the adverse effects of salin...
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated		Bychkov et al. (2019). Melatonin modifies the expression of the genes for nucl...
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated		Vietoshkina et al. (2019). Comparison of State Transitions of the Photosynthe...
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated	31784823	Rudenko et al. (2019). The role of carbonic anhydrase alfa-CA4 in the adaptive...
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated		Gasulla et al. (2018). Chlororespiration induces non-photochemical quenching o...

AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated		Rantala and Tikkanen et al. (2018). Phosphorylation-induced lateral rearrangem...
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated		Rantala et al. (2017). Proteomic characterization of hierarchical megacomplex ...
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated		#VÄRDEFEL!
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated		Sato et al. (2015). Chlorophyll b degradation by chlorophyll b reductase under...
AS13 2705	Lhcb2-P LHCII type II chlorophyll a/b-binding protein, phosphorylated		Leoni et al. (2013). Very rapid phosphorylation kinetics suggest a unique role...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	36378135	von Bismarck, et al (2023). Light acclimation interacts with thylakoid ion tra...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein		Ivanov et al. (2022) The decreased PG content of pgg1 inhibits PSI photochemis...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	5417702	Li et al. (2022) The CDC48 complex mediates ubiquitin-dependent degradation of...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	36152752	Bru, Steen, Park, et al. (2022) The major trimeric antenna complexes serve as ...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	33939808	Wu et al. (2021). Formation of light-harvesting complex (LHC) II aggregates fr...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	34685758	von Bismarck et al. (2021) Light acclimation interacts with thylakoid ion tran...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	33379339	Wojtowicz et al. (2020). Compensation Mechanism of the Photosynthetic Apparatu...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein		Furukawa et al. (2019). Formation of a PSI–PSII megacomplex containing LHCSR a...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	30606779	Lv et al. (2019). Uncoupled Expression of Nuclear and Plastid Photosynthesis-A...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein		Rogowski et al. (2019). Photosynthesis and organization of maize mesophyll and...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	31114631	Koh et al. (2019). Heterologous synthesis of chlorophyll b in Nannochloropsis ...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein		Rantala and Tikkanen et al. (2018). Phosphorylation-induced lateral rearrangem...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	29263352	Shin et al. (2017). Complementation of a mutation in CpSRP43 causing partial t...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	28382592	Tyureva et al. (2017). The absence of chlorophyll b affects lateral mobility ...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	27057002	Kunugi et al. (2016). Evolution of Green Plants Accompanied Changes in Light-H...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	26059605	Rozpadek et al. (2015). The fungal endophyte Epichloë typhina improves photosy...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	25809225	Yokono et al. (2015). A megacomplex composed of both photosystem reaction cent...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein		Yao et al. (2015). Ultraviolet-B protection of ascorbate and tocopherol in pla...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein	23298812	Wientjes et al (2013). LHCII is an antenna of both photosystems after long-ter...
AS01 002	Lhcb3 LHCII type III chlorophyll a/b-binding protein		Rudowska et al. (2012). Chloroplast biogenesis - correlation between structure...
AS06 117	Lhcb4 CP29 (Lhcb4) homolog, Chlamydomonas	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS06 117	Lhcb4 CP29 (Lhcb4) homolog, Chlamydomonas	31114631	Koh et al. (2019). Heterologous synthesis of chlorophyll b in Nannochloropsis ...
AS06 117	Lhcb4 CP29 (Lhcb4) homolog, Chlamydomonas	29300952	Jeong et al. (2017). Deletion of the chloroplast LTD protein impedes LHCI impo...
AS06 117	Lhcb4 CP29 (Lhcb4) homolog, Chlamydomonas	29263352	Shin et al. (2017). Complementation of a mutation in CpSRP43 causing partial t...
AS06 117	Lhcb4 CP29 (Lhcb4) homolog, Chlamydomonas	26644506	Muranaka et al. (2015). TEF30 interacts with photosystem II monomers and is in...
AS06 117	Lhcb4 CP29 (Lhcb4) homolog, Chlamydomonas	24506306	Drop et al (2014). Consequences of state transitions on the structural and fu...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	35820961	Cazzaniga et al. (2022). Engineering astaxanthin accumulation reduces photoinh...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	36152752	Bru, Steen, Park, et al. (2022) The major trimeric antenna complexes serve as ...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII		Chen et al. (2021) Degradation of the photosystem II core complex is independen...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	34607178	Fukura et al. (2021). Enrichment of chlorophyll catabolic enzymes in grana mar...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	34922341	Pavlovic & Kocab. (2021) Alternative oxidase (AOX) in the carnivorous pitche...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	32176335	Grieco et al. (2020). Adjustment of photosynthetic activity to drought and flu...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	32245955	Grimmer et al. (2020). Mild Proteasomal Stress Improves Photosynthetic Perform...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	30606779	Lv et al. (2019). Uncoupled Expression of Nuclear and Plastid Photosynthesis-A...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII		Rogowski et al. (2019). Photosynthesis and organization of maize mesophyll and...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	31906067	Chen et al. (2019). Effects of Stripe Rust Infection on the Levels of Redox Ba...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	30267434	Geem et al. (2018). Jasmonic acid-inducible TSA1 facilitates ER body formation...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	29305728	Kim et al. (2018). The rice zebr3 (z3) mutation disrupts citrate distribution...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	29158328	Lee et al. (2018). Prolines in Transit Peptides Are Crucial for Efficient Prep...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	28382592	Tyureva et al. (2017). The absence of chlorophyll b affects lateral mobility ...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS04 045	Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII	27813190	Betterle et al. (2016). The STN8 kinase-PBCP phosphatase system is responsible...

AS04 045	Lhcb4	CP29 chlorophyll a/b binding protein of plant PSII	26998942	Pavlovic et al. (2016). A carnivorous sundew plant prefers protein over chitin...
AS04 045	Lhcb4	CP29 chlorophyll a/b binding protein of plant PSII	25880450	Kim et al. (2015). Cytosolic targeting factor AKR2A captures chloroplast outer...
AS04 045	Lhcb4	CP29 chlorophyll a/b binding protein of plant PSII	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS04 045	Lhcb4	CP29 chlorophyll a/b binding protein of plant PSII	25461977	Sun et al. (2014). Direct energy transfer from the major antenna to the photos...
AS04 045	Lhcb4	CP29 chlorophyll a/b binding protein of plant PSII		Grimmer et al. (2014). The RNA-binding protein RNP29 is an unusual Toc159 tran...
AS09 407	Lhcb5	CP26 (Lhcb5) homolog, Chlamydomonas	35820961	Cazzaniga et al. (2022). Engineering astaxanthin accumulation reduces photoinh...
AS09 407	Lhcb5	CP26 (Lhcb5) homolog, Chlamydomonas	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS09 407	Lhcb5	CP26 (Lhcb5) homolog, Chlamydomonas		Gonzaga Heredia-Martinez et al. (2018). Chloroplast damage induced by the inhi...
AS09 407	Lhcb5	CP26 (Lhcb5) homolog, Chlamydomonas	27358399	Correa-Galvis et al. (2016). Photosystem II Subunit PsbS Is Involved in the In...
AS09 407	Lhcb5	CP26 (Lhcb5) homolog, Chlamydomonas	26644506	Muranaka et al. (2015). TEF30 interacts with photosystem II monomers and is in...
AS09 407	Lhcb5	CP26 (Lhcb5) homolog, Chlamydomonas	24506306	Drop et. al (2014). Consequences of state transitions on the structural and fu...
AS09 407	Lhcb5	CP26 (Lhcb5) homolog, Chlamydomonas	16407170	Takahashi et al. (2006). Identification of the mobile light-harvesting complex...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII		Ivanov et al. (2022) The decreased PG content of pgg1 inhibits PSI photochemis...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII	34573369	Jeran et al. (2021) The PUB4 E3 Ubiquitin Ligase Is Responsible for the Varieg...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII	34831107	Wada et al. (2021) Identification of a Novel Mutation Exacerbated the PSI Phot...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII	33379339	Wojtowicz et al. (2020). Compensation Mechanism of the Photosynthetic Apparatu...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII		Rogowski et al. (2019). Photosynthesis and organization of maize mesophyll and...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII	30631956	Krupinska et al. (2019). The nucleoid-associated protein WHIRLY1 is required f...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII	29633289	Chen et al. (2018). Exogenous melatonin enhances salt stress tolerance in maiz...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII	28382592	Tyureva et al. (2017). The absence of chlorophyll b affects lateral mobility ...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII	26998942	Pavlovic et al. (2016). A carnivorous sundew plant prefers protein over chitin...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII	25461977	Sun et al. (2014). Direct energy transfer from the major antenna to the photos...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII	24914208	Ido et al. (2014). Cross-Linking Evidence for Multiple Interactions of the Psb...
AS01 009	Lhcb5	CP26 chlorophyll a/b-binding protein of plant PSII		Zhou et al. (2013) Mutation of the Light-Induced Yellow Leaf 1 Gene, Which Enc...
AS01 010	Lhcb6	CP24 chlorophyll a/b-binding protein of plant PSII	33379339	Wojtowicz et al. (2020). Compensation Mechanism of the Photosynthetic Apparatu...
AS01 010	Lhcb6	CP24 chlorophyll a/b-binding protein of plant PSII		Rogowski et al. (2019). Photosynthesis and organization of maize mesophyll and...
AS01 010	Lhcb6	CP24 chlorophyll a/b-binding protein of plant PSII	31906067	Chen et al. (2019). Effects of Stripe Rust Infection on the Levels of Redox Ba...
AS01 010	Lhcb6	CP24 chlorophyll a/b-binding protein of plant PSII	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS01 010	Lhcb6	CP24 chlorophyll a/b-binding protein of plant PSII	29437989	Du et al. (2018). Galactoglycerolipid Lipase PGD1 Is Involved in Thylakoid Mem...
AS01 010	Lhcb6	CP24 chlorophyll a/b-binding protein of plant PSII	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS01 010	Lhcb6	CP24 chlorophyll a/b-binding protein of plant PSII		Wang et al. (2018). iTRAQ-based quantitative proteomics analysis of an immatur...
AS01 010	Lhcb6	CP24 chlorophyll a/b-binding protein of plant PSII		Tyutereva et al. (2017). Stomata control is changed in a chlorophyll b-free ba...
AS01 010	Lhcb6	CP24 chlorophyll a/b-binding protein of plant PSII		Chen et al. (2017). Comparison of Photosynthetic Characteristics and Antioxida...
AS15 3088	LHCb9	Light-harvesting complex	35715975	Harchouni et al. (2022) Guanosine tetraphosphate (ppGpp) accumulation inhibits...
AS15 3088	LHCb9	Light-harvesting complex		Alboresi et al. (2011). A red-shifted antenna protein associated with photosys...
AS09 408	Lhcbm5	Chlorophyll a-b binding protein of LHCII	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS09 408	Lhcbm5	Chlorophyll a-b binding protein of LHCII	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS09 408	Lhcbm5	Chlorophyll a-b binding protein of LHCII	31424076	Pinnola (2021). The rise and fall of Light-Harvesting Complex Stress-Related p...
AS09 408	Lhcbm5	Chlorophyll a-b binding protein of LHCII	29982908	Nama et al. (2018). Non-photochemical quenching-dependent acclimation and thyl...
AS09 408	Lhcbm5	Chlorophyll a-b binding protein of LHCII	29300952	Jeong et al. (2017). Deletion of the chloroplast LTD protein impedes LHCI impo...
AS09 408	Lhcbm5	Chlorophyll a-b binding protein of LHCII	27760300	Jeong et al. (2016). Loss of CpSRP54 function leads to a truncated light-harve...
AS09 408	Lhcbm5	Chlorophyll a-b binding protein of LHCII	24706511	Grewe et al. (2014). Light-Harvesting Complex Protein LHCBM9 Is Critical for P...
AS14 2819	LHCSR1		35820961	Cazzaniga et al. (2022). Engineering astaxanthin accumulation reduces photoinh...
AS14 2819	LHCSR1		31943079	Roach et al. (2020). The non-photochemical quenching protein LHCSR3 prevents o...
AS14 2819	LHCSR1			Lammermann et al. (2020). Ubiquitin ligase component LRS1 and transcription fa...
AS14 2819	LHCSR1		32173384	Redekop et al. (2020). PsbS Contributes to Photoprotection in Chlamydomonas Re...
AS14 2819	LHCSR1			Gabilly et al. (2019). Regulation of photoprotection gene expression in Chlamy...
AS14 2819	LHCSR1			Tian et al. (2019). pH dependence, kinetics and light-harvesting regulation of...
AS14 2819	LHCSR1			Aihara et al. (2019). Algal photoprotection is regulated by the E3 ligase CUL4...
AS14 2819	LHCSR1			Kosuge et al.(2018). LHCSR1-dependent fluorescence quenching is mediated by ex...
AS14 2819	LHCSR1			Giovagnetti et al. (2018). A siphonous morphology affects light-harvesting mod...

AS14 2819	LHCSR1		Chukhutsina et al. (2017). Photoprotection strategies of the alga Nannochlorop...
AS14 2819	LHCSR1		Allorent et al. (2016). UV-B photoreceptor-mediated protection of the photosyn...
AS14 2819	LHCSR1		Dinc et al. (2016). LHCSR1 induces a fast and reversible pH-dependent fluoresc...
AS14 2819	LHCSR1		Correa-Galvis et al. (2016). Photosystem II Subunit PsbS Is Involved in the In...
AS15 3081	LhcSR1 (Physcomitrella patens)		Furukawa et al. (2019). Formation of a PSI–PSII megacomplex containing LHCSR a...
AS15 3081	LhcSR1 (Physcomitrella patens)		Pinnola et al. (2015). Light-Harvesting Complex Stress-Related Proteins Cataly...
AS14 2766	LHCSR3	36685735	Bohmer et al. (2023) Chlamydomonas reinhardtii mutants deficient for Old Yello...
AS14 2766	LHCSR3		Burlacot et al. (2022) Alternative photosynthesis pathways drive the algal CO2...
AS14 2766	LHCSR3	35820961	Cazzaniga et al. (2022). Engineering astaxanthin accumulation reduces photoinh...
AS14 2766	LHCSR3	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS14 2766	LHCSR3	31943079	Roach et al. (2020). The non-photochemical quenching protein LHCSR3 prevents o...
AS14 2766	LHCSR3		Gabilly et al. (2019). Regulation of photoprotection gene expression in Chlamy...
AS14 2766	LHCSR3		Tian et al. (2019). pH dependence, kinetics and light-harvesting regulation of...
AS14 2766	LHCSR3		Aihara et al. (2019). Algal photoprotection is regulated by the E3 ligase CUL4...
AS14 2766	LHCSR3		Kong et al. (2018) Interorganelle Communication: Peroxisomal MALATE DEHYDROGEN...
AS14 2766	LHCSR3		Jokel et al. (2018). Hunting the main player enabling Chlamydomonas reinhardtii...
AS14 2766	LHCSR3		Kosuge et al.(2018). LHCSR1-dependent fluorescence quenching is mediated by ex...
AS14 2766	LHCSR3		Giovagnetti et al. (2018). A siphonous morphology affects light-harvesting mod...
AS14 2766	LHCSR3		Chukhutsina et al. (2017). Photoprotection strategies of the alga Nannochlorop...
AS14 2766	LHCSR3		Chaux et al. (2017). Flavodiiron Proteins Promote Fast and Transient O2 Photor...
AS14 2766	LHCSR3		Wei et al. (2017). Light Intensity is Important for Hydrogen Production in NaH...
AS14 2766	LHCSR3		Garibay-Hernandez et al. (2016). Membrane proteomic insights into the physiolo...
AS14 2766	LHCSR3		Haraldsdottir (2016). Protection against UV rays and other desirable biologica...
AS19 4367	Lhcx (P. tricornutum)	34651379	Buck et al. (2021) Identification of sequence motifs in Lhcx proteins that con...
AS19 4367	Lhcx (P. tricornutum)	31519883	Buck et al. (2019). Lhcx proteins provide photoprotection via thermal dissipat...
AS17 4115	Lhcx6 Lhcx subclade of fucoxanthin Chl a/c proteins		Zhu and Green (2010). Photoprotection in the diatom Thalassiosira pseudonana: ...
AS06 128	LOX Lipoxygenase		Kucko et al. (2022) The acceleration of yellow lupine flower abscission by jas...
AS06 128	LOX Lipoxygenase		Zhu et al. (2021) Physiological and Proteomic Analyses Reveal Effects of Putre...
AS06 128	LOX Lipoxygenase	32642643	Castro et al. (2020). Identification of seed storage proteins as the major con...
AS06 128	LOX Lipoxygenase	22982374	Yang et al. (2012). Quantitative proteomic analysis reveals that antioxidation...
AS06 128	LOX Lipoxygenase	21450085	Huang et al. (2011). Cloning and characterization of a 9-lipoxygenase gene ind...
AS06 128	LOX Lipoxygenase	20691022	Huang et al. (2010). Overexpression of hydroperoxide lyase gene in Nicotiana b...
AS07 258	LOX-C Lipoxygenase (chloroplastic)	36639029	Kaur et al. (2023) Pseudophosphorylation of Arabidopsis jasmonate biosynthesis...
AS07 258	LOX-C Lipoxygenase (chloroplastic)		Seguel et al. (2018). PROHIBITIN 3 forms complexes with ISOCHORISMATE SYNTHASE...
AS07 258	LOX-C Lipoxygenase (chloroplastic)	30156481	Cecchini et al. (2018). Underground azelaic acid-conferred resistance to Pseud...
AS07 258	LOX-C Lipoxygenase (chloroplastic)	24693871	Pilati et al. (2015). The onset of grapevine berry ripening is characterized b...
AS18 4165	LRIG1 Lig-1 (rabbit antibodies)		Karlsson et al. (2018). LMO7 and LIMCH1 interact with LRIG proteins in lung ca...
AS13 2746	LSD1 Lesion simulating disease 1 (rabbit antibody)		Chai et al. (2015). LSD1 and HY5 antagonistically regulate red light induced-p...
AS06 145	LTP vesicle-inducing protein in plastids (VIPP1)	34573369	Jeran et al. (2021) The PUB4 E3 Ubiquitin Ligase Is Responsible for the Varieg...
AS06 145	LTP vesicle-inducing protein in plastids (VIPP1)	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS06 145	LTP vesicle-inducing protein in plastids (VIPP1)	11274447	Kroll et al. (2001) VIPP1, a nuclear gene of Arabidopsis thaliana essential f...
AS16 3691A	LUC Luciferase (firefly) (affinity purified antibodies)		Yuan et al. (2021). BBX19 fine-tunes the circadian rhythm by interacting with...
AS16 3691	LUC Luciferase (firefly) (serum)	36650156	Ormancev et al. (2023) Complementary peptides represent a credible alternative...
AS13 2709	LYC Lycopene beta cyclase (chloroplastic)	32275888	Tang et al. (2020). OsNSUN2-Mediated 5-Methylcytosine mRNA Modification Enhanc...
AS13 2709	LYC Lycopene beta cyclase (chloroplastic)		Sun et al. (1998). Differential expression of two isopentenyl pyrophosphate is...
AS13 2716	mAB-M Mouse anti-human Abeta protein (3-10) region, oligomer-specific (clone 2D10.F6)	31787113	Meilandt et al. (2019). Characterization of the selective in vitro and in vivo...
AS13 2716	mAB-M Mouse anti-human Abeta protein (3-10) region, oligomer-specific (clone 2D10.F6)		Brannstrom et al. (2014). A Generic Method for Design of Oligomer-Specific Ant...
AS13 2715	mAB-O Mouse anti-human Abeta protein (3-10) region, oligomer-specific (clone 3E5.F8)		Brannstrom et al. (2014). A Generic Method for Design of Oligomer-Specific Ant...
AS10 696	MARBP matrix attachment region-binding protein	12514253	Fujiwara et al. (2002). Molecular properties of a matrix attachment region-bin...
AS15 3064	MDH2 Malate dehydrogenase 2 (mitochondrial)		Witzel et al. (2017). Temporal impact of the vascular wilt pathogen Verticilli...
AS15 3065	MDH4 Malate dehydrogenase 4 (cytoplasmic)	35115512	Lim et al (2022). Arabidopsis guard cell chloroplasts import cytosolic ATP for...
AS20 4423	MEB1 Membrane protein of ER body 1	23166355	Yamada et al. (2013). Identification of two novel endoplasmic reticulum body-s...
AS20 4422	MEB2 Membrane protein of ER body 2	23166355	Yamada et al. (2013). Identification of two novel endoplasmic reticulum body-s...

AS16 3145	MerA Mercuric Ion Reductase (clone 10A9)		Rugh, C. L., et al. (1996) Mercuric ion reduction and resistance in transgenic ...
AS16 3145	MerA Mercuric Ion Reductase (clone 10A9)		Nazaret, S., et al. (1994) merA Gene Expression in Aquatic Environments Measu...
AS16 3146	MerB Organomercurial Lyase (clone 10E2)		Bizily, S. P., et al. (1999). Phytoremediation of methylmercury pollution: mer...
AS15 2826	MIP1 Aquaporin, glycerol transport activity		Komsic-Buchmann et al. (2014). The Contractile Vacuole as a Key Regulator of C...
AS13 2673	MKKK18 Mitogen-activated protein kinase 18		Mitula et al. (2015). Arabidopsis ABA-Activated Kinase MAPKKK18 is Regulated b...
AS14 2788	mLrig2-147 Leucine-rich repeats and immunoglobulin-like domains protein 2		Rondahl et al. (2014). Lrig2-deficient mice are protected against PDGFB-induce...
AS14 2789	mLrig3-207 Leucine-rich repeats and immunoglobulin-like domains protein 3		Hellstrom et al. (2016). Cardiac hypertrophy and decreased high-density lipopr...
AS12 2617	MME4 Malic enzyme		Subramanian et al. (2014). Profiling Chlamydomonas Metabolism under Dark, Anox...
AS09 524	MnSOD Manganese superoxide dismutase	36679118	Cembrowska-Lech, Rybak (2023) Nanoprimering of Barley Seeds-A Shotgun Approach t...
AS09 524	MnSOD Manganese superoxide dismutase	29784767	Bastow et al. (2018). Vacuolar Iron Stores Gated by NRAMP3 and NRAMP4 Are the ...
AS09 524	MnSOD Manganese superoxide dismutase	29957573	Balazova et al. (2018). Zinc oxide nanoparticles phytotoxicity on halophyte fr...
AS09 524	MnSOD Manganese superoxide dismutase		Rurek et al. (2018). Mitochondrial Biogenesis in Diverse Cauliflower Cultivars...
AS09 524	MnSOD Manganese superoxide dismutase	26520835	Schimmeyer et al. (2016). L-Galactono-1,4-lactone dehydrogenase is an assembly...
AS09 524	MnSOD Manganese superoxide dismutase	27124767	Yin et al. (2016). Comprehensive Mitochondrial Metabolic Shift during the Crit...
AS09 524	MnSOD Manganese superoxide dismutase	26841194	Vuleta et al. (2016). Adaptive flexibility of enzymatic antioxidants SOD, APX ...
AS09 524	MnSOD Manganese superoxide dismutase		Dmitrović et al. (2015). Essential oils of two Nepeta species inhibit growth a...
AS09 524	MnSOD Manganese superoxide dismutase	25267309	Dimkovikj and Van Hoewyk (2014). Selenite activates the alternative oxidase pa...
AS09 524	MnSOD Manganese superoxide dismutase	25070267	Parys et al. (2014). Metabolic Responses to Lead of Metallicolous and Nonmetal...
AS09 524	MnSOD Manganese superoxide dismutase		Momcilović et al. (2014). Improved procedure for detection of superoxide dismu...
AS21 4523	MnSOD3 Superoxide dismutase (Algal)	22685165	Page et al. (2012) Fe sparing and Fe recycling contribute to increased superox...
AS03 031	mPGES-1 glutathione dependent prostaglandin E synthase		Sadiba et al. (2021). Effects of a Novel GPR55 Antagonist on the Arachidonic A...
AS03 031	mPGES-1 glutathione dependent prostaglandin E synthase	34242345	Jiang et al (2021). Sonlicromanol's active metabolite KH176m normalizes prosta...
AS03 031	mPGES-1 glutathione dependent prostaglandin E synthase	30897501	Tuure et al. (2019). Downregulation of microsomal prostaglandin E synthase-1 (...
AS03 031	mPGES-1 glutathione dependent prostaglandin E synthase		Lio et al. (2019). Nardosinane N suppresses LPS-induced macrophage activatio...
AS03 031	mPGES-1 glutathione dependent prostaglandin E synthase		Gargouri et al. (2018). Anti-neuroinflammatory effects of Ginkgo biloba extract...
AS03 031	mPGES-1 glutathione dependent prostaglandin E synthase	29226622	Tuure et al. (2017). PDE4 inhibitor rolipram inhibits the expression of micros...
AS03 031	mPGES-1 glutathione dependent prostaglandin E synthase	28583890	Kern et al. (2017). CD200 selectively upregulates prostaglandin E2 and D2 synt...
AS03 031	mPGES-1 glutathione dependent prostaglandin E synthase	28273917	Bhatia et al. (2017). Alleviation of Microglial Activation Induced by p38 MAPK...
AS03 031	mPGES-1 glutathione dependent prostaglandin E synthase	25314295	Tuure et al. (2014). Aurothiomalate inhibits the expression of mPGES-1 in prim...
AS03 031	mPGES-1 glutathione dependent prostaglandin E synthase	24491645	Olajide et al. (2014). Picralima nitida seeds suppress PGE2 production by inte...
AS03 031-1ml	mPGES-1 glutathione dependent prostaglandin E synthase (1ml)	24491645	Olajide et al. (2014). Picralima nitida seeds suppress PGE2 production by inte...
AS03 031-1ml	mPGES-1 glutathione dependent prostaglandin E synthase (1ml)	25314295	Tuure et al. (2014). Aurothiomalate inhibits the expression of mPGES-1 in prim...
AS12 2633	MPK6 Mitogen-activated protein kinase 6		Butler et al. (2019). Soybean resistance locus Rha1 confers resistance to mult...
AS12 2633	MPK6 Mitogen-activated protein kinase 6		Wang and Auwerx (2017). Systems Phytohormone Responses to Mitochondrial Proteo...
AS09 472	MRP1, ABCC1 ABC transporter C family member 1	15133126	Geisler et al., (2004). Arabidopsis Immunophilin-like TWD1 Functionally Intera...
AS19 4295	MS Malate synthase, (glyoxysomal)		South et. al (2019). Synthetic glycolate metabolism pathways stimulate crop gr...
AS13 2684	MT1a Metallothionein type1		Schiller et al. (2013). Barley metallothioneins differ in ontogenetic pattern ...
AS13 2685	MT2a Metallothionein 2a		Schiller et al. (2013). Barley metallothioneins differ in ontogenetic pattern ...
AS09 485	MTP1 vacuolar Zn2+/H+ antiporter	28455771	Vera-Estrella et al. (2017). Cadmium and zinc activate adaptive mechanisms in ...
AS09 485	MTP1 vacuolar Zn2+/H+ antiporter	18203721	Kawachi et al. (2008). Deletion of a histidine-rich loop of AtMTP1, a vacuolar...
AS09 485	MTP1 vacuolar Zn2+/H+ antiporter	15653794	Kobae et al. (2004). Zinc transporter of Arabidopsis thaliana AtMTP1 is locali...
AS05 078	MYST4 histone acetyltransferase KAT6B	17980037	McGraw et al. (2007). Investigation of MYST4 histone acetyltransferase and its...
AS09 484	Na+/H+ antiporter, sodium/hydrogen exchanger	33570616	Carmona-Salazar et al. (2021). Plasma and Vacuolar Membrane Sphingolipidomes: ...
AS09 484	Na+/H+ antiporter, sodium/hydrogen exchanger	34685758	Cano-Ramirez et al. (2021) M. Plasma Membrane Fluidity: An Environment Thermal...
AS09 484	Na+/H+ antiporter, sodium/hydrogen exchanger	32041176	Prinsi et al. (2020). Root Proteomic Analysis of Two Grapevine Rootstock Genot...
AS09 484	Na+/H+ antiporter, sodium/hydrogen exchanger	32727653	Gupta and Shaw (2020). Biochemical and molecular characterisations of salt tol...
AS09 484	Na+/H+ antiporter, sodium/hydrogen exchanger		Guo et al. (2018). Molecular Characterization of a Tonoplast Na+/H+ Antiporter...
AS09 484	Na+/H+ antiporter, sodium/hydrogen exchanger	28111589	Kumari et al. (2017). Overexpression of a Plasma Membrane Bound Na+/H+ Antipor...
AS09 484	Na+/H+ antiporter, sodium/hydrogen exchanger		Chen et al. (2013). Nitric Oxide Mediates Root K+/Na+ Balance in a Mangrove Pl...
AS08 333	NAB1 nucleic acid binding protein 1, Chlamydomonas	34982025	Lehtreck et al. (2022) Chlamydomonas ARM2/PF27 is an obligate cargo adapter ...
AS08 333	NAB1 nucleic acid binding protein 1, Chlamydomonas		Perlaza(2021). Organelle Size and Quality Control in Chlamydomonas Reinhardtii...
AS08 333	NAB1 nucleic acid binding protein 1, Chlamydomonas	32348466	Liu et al. (2020). Chlamydomonas PKD2 Organizes Mastigonemes, Hair-Like Glycop...
AS08 333	NAB1 nucleic acid binding protein 1, Chlamydomonas	31612858	Perlaza et al. (2019). The Mars1 kinase confers photoprotection through signal...

AS08 333	NAB1 nucleic acid binding protein 1, Chlamydomonas	30875368	Findinier et al. (2019). The dynamin-like protein Fz1 promotes thylakoid fusio...
AS08 333	NAB1 nucleic acid binding protein 1, Chlamydomonas	25583998	Craft et al. (2015). Tubulin transport by IFT is upregulated during ciliary gr...
AS08 333	NAB1 nucleic acid binding protein 1, Chlamydomonas	25558044	Desai et al. (2014). Chlamydomonas axonemal dynein assembly locus ODA8 encodes...
AS08 333	NAB1 nucleic acid binding protein 1, Chlamydomonas	16284312	Mussgnug et al. (2005) NAB1 is an RNA binding protein involved in the light-re...
AS16 3831	NAD3 NADH-ubiquinone oxidoreductase chain 3		Chen et al. (2019). Composition of Mitochondrial Complex I during the Critical...
AS15 2926	NAD6 NADH-ubiquinone oxidoreductase chain 6	35269810	Nguyen et al. (2022). MISF2 Encodes an Essential Mitochondrial Splicing Facto...
AS15 2926	NAD6 NADH-ubiquinone oxidoreductase chain 6	35864185	Gruttner et al. (2022) The P-type pentatricopeptide repeat protein DWEOG1 is ...
AS15 2926	NAD6 NADH-ubiquinone oxidoreductase chain 6		Wei et al. (2019). Arabidopsis mtHSC70-1 plays important roles in the establis...
AS15 2926	NAD6 NADH-ubiquinone oxidoreductase chain 6		Colas des Francs-Small et al. (2018). Targeted cleavage of nad6 mRNA induced b...
AS16 3932	NAD-ME Mitochondrial NAD-dependent malic enzyme		Long et al. (1994). Cloning and analysis of the C4 photosynthetic NAD-dependen...
AS20 4420	NAI2 TSA1-like protein, C-terminal	18780803	Yamada et al. (2008). NAI2 is an endoplasmic reticulum body component that en...
AS20 4421	NAI2 TSA1-like protein (ER lumen marker)	30010972	Ueda et al. (2018).Endoplasmic Reticulum (ER) Membrane Proteins (LUNAPARKS) ar...
AS20 4421	NAI2 TSA1-like protein (ER lumen marker)	23166355	Yamada et al. (2013). Identification of two novel endoplasmic reticulum body-...
AS20 4421	NAI2 TSA1-like protein (ER lumen marker)	18780803	Yamada et al. (2008). NAI2 is an endoplasmic reticulum body component that en...
AS14 2805	NBR1 Autophagy substrate NBR1		Rodriguez et al. (2020). Autophagy mediates temporary reprogramming and dediff...
AS14 2805	NBR1 Autophagy substrate NBR1		Jia et al. (2019). Noncanonical ATG8-ABS3 interaction controls senescence in p...
AS14 2805	NBR1 Autophagy substrate NBR1	31152467	Calero-Munoz et al. (2019). Cadmium induces reactive oxygen species-dependent ...
AS14 2805	NBR1 Autophagy substrate NBR1		Hackenberg et al. (2013). Catalase and NO CATALASE ACTIVITY1 promote autophagy...
AS14 2805	NBR1 Autophagy substrate NBR1		Minina et al. (2013). Autophagy mediates caloric restriction-induced lifespan ...
AS14 2805	NBR1 Autophagy substrate NBR1		Katsiarimpa et al. (2013). The Deubiquitinating Enzyme AMSH1 and the ESCRT-III...
AS14 2805	NBR1 Autophagy substrate NBR1		Svenning et al. (2011). Plant NBR1 is a selective autophagy substrate and a fu...
AS05 077	NCAM 2 Neural cell adhesion molecule 2	26446231	Login et al. (2015). The Stimulus-Dependent Gradient of Cyp26B1+ Olfactory Sen...
AS05 077	NCAM 2 Neural cell adhesion molecule 2	15128404	Gussing & Bohm (2004). NQO1 activity in the main and accessory olfactory syste...
AS05 077	NCAM 2 Neural cell adhesion molecule 2	12538518	Alenius & Bohm (2003). Differential function of RNCAM isoform in precise targ...
AS19 4297	NdbA Thylakoid Localized Type 2 NAD(P)H Dehydrogenase		Huokko et al. (2019). Thylakoid Localized Type 2 NAD(P)H Dehydrogenase NdbA Op...
AS16 3931	NDC1 Alternative NAD(P)H-ubiquinone oxidoreductase C1 (chloroplasmic/mitochondrial)		Eugeni Piller et al. (2011). Chloroplast lipid droplet type II NAD(P)H quinone...
AS16 4064	NdhB NAD(P)H-quinone oxidoreductase subunit 2 (chloroplasmic)	34879391	Shen et al. (2022) Architecture of the chloroplast PSI-NDH supercomplex in Hor...
AS16 4064	NdhB NAD(P)H-quinone oxidoreductase subunit 2 (chloroplasmic)	35946785	Penzler et al. (2022) Commonalities and specialties in photosynthetic function...
AS16 4064	NdhB NAD(P)H-quinone oxidoreductase subunit 2 (chloroplasmic)	34831107	Wada et al. (2021) Identification of a Novel Mutation Exacerbated the PSI Phot...
AS16 4065	NdhH NAD(P)H-quinone oxidoreductase subunit H (chloroplasmic)	35946757	Seiml-Buchinger et al. (2022) Ascorbate peroxidase postcold regulation of chlo...
AS16 4065	NdhH NAD(P)H-quinone oxidoreductase subunit H (chloroplasmic)		Urban, Rogowski & Romanowska (2022). Crucial role of the PTOX and CET pathways...
AS16 4065	NdhH NAD(P)H-quinone oxidoreductase subunit H (chloroplasmic)	34831107	Wada et al. (2021) Identification of a Novel Mutation Exacerbated the PSI Phot...
AS16 4065	NdhH NAD(P)H-quinone oxidoreductase subunit H (chloroplasmic)		Nikkanen et al. (2018). Regulation of chloroplast NADH dehydrogenase-like comp...
AS16 4066	NdhS NAD(P)H-quinone oxidoreductase subunit S (chloroplasmic)		Nikkanen et al. (2018). Regulation of cyclic electron flow by chloroplast NADP...
AS08 302	NDPK Nucleoside diphosphate kinase		Hammargren et al. (2007). On the phylogeny, expression and targeting of plant ...
AS01 021A	NifH Nitrogenase iron protein		Santana-Sanchez, et al. (2023) Flv3A facilitates O2 photoreduction and affects...
AS01 021A	NifH Nitrogenase iron protein		Li et al. (2022). The effects of Ni availability on H2 production and N2 fixat...
AS01 021A	NifH Nitrogenase iron protein		Chen et al. (2022) Exogenous hydrogen sulphide alleviates nodule senescence in...
AS01 021A	NifH Nitrogenase iron protein	33662009	He et al. (2021) Vegetative cells may perform nitrogen fixation function under...
AS01 021A	NifH Nitrogenase iron protein	32119117	Liu et al. (2020). A VIT-like transporter facilitates iron transport into nodu...
AS01 021A	NifH Nitrogenase iron protein	31243322	Geisler et al. (2019). Direct Detection of Heterotrophic Diazotrophs Associate...
AS01 021A	NifH Nitrogenase iron protein		Murukesan et al. (2019). Acclimation responses of immobilized N2-fixing hetero...
AS01 021A	NifH Nitrogenase iron protein	27775698	Konig et al. (2016). Nitrogen fixation in a chemoautotrophic lucinid symbiosis...
AS01 021A	NifH Nitrogenase iron protein	25907143	Liberti et al. (2015). Bacterial symbiont sharing in Megalomyrmex social paras...
AS01 021A	NifH Nitrogenase iron protein		Calusinska et al. (2015). Genome-wide transcriptional analysis suggests hydrog...
AS01 021A	NifH Nitrogenase iron protein	24384747	Moirangthem et al. (2014). A high constitutive catalase activity confers resis...
AS01 021A	NifH Nitrogenase iron protein		Chen et al. (2013). Improving conversion efficiency of solar energy to electri...
AS01 021A	NifH Nitrogenase iron protein		Plominsky et al. (2013). Dinitrogen Fixation Is Restricted to the Terminal Het...
AS01 021S	NifH Positive control/quantitation standard	20345946	Leviton et a. (2010). Regulation of nitrogen metabolism in the marine diazotro...
AS15 3030	NodGS Nodulin / glutamate-ammonia ligase-like protein		Chen et al. (2022) Exogenous hydrogen sulphide alleviates nodule senescence in...
AS15 3030	NodGS Nodulin / glutamate-ammonia ligase-like protein		Dorskocilova et al. (2011). A nodulin/glutamine synthetase-like fusion protein ...
AS15 3030A	NodGS Nodulin / glutamate-ammonia ligase-like protein (affinity purified)		Dorskocilova et al. (2011). A nodulin/glutamine synthetase-like fusion protein ...
AS16 3235	Non-fucosylated xyloglucan- (clone CCRC-M58)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...

AS16 3235	Non-fucosylated xyloglucan- (clone CCRC-M58)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3230	Non-fucosylated xyloglucan-1 (clone CCRC-M101)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3230	Non-fucosylated xyloglucan-1 (clone CCRC-M101)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3233	Non-fucosylated xyloglucan-2 (clone CCRC-M88)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3233	Non-fucosylated xyloglucan-2 (clone CCRC-M88)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3234	Non-fucosylated xyloglucan-3 (clone CCRC-M100)		Ruprecht et al. (2017). A Synthetic Glycan Microarray Enables Epitope Mapping ...
AS16 3234	Non-fucosylated xyloglucan-3 (clone CCRC-M100)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS12 1851	NpHR Halorhodopsin	25995461	Alfonsa et al. (2015) The contribution of raised intraneuronal chloride to epi...
AS12 1854	NPR1 Nonexpresser of PR genes 1	35950443	Han, Tan, Zhao et al. (2022) Salicylic acid-activated BIN2 phosphorylation of ...
AS12 1854	NPR1 Nonexpresser of PR genes 1	33770168	Arenas-Alfonseca et al. (2021) Arabidopsis beta-cyanoalanine synthase mutation...
AS12 1854	NPR1 Nonexpresser of PR genes 1	34910911	Nomoto et al. (2021) Suppression of MYC transcription activators by the immune...
AS12 1854	NPR1 Nonexpresser of PR genes 1		Lei et al. (2020). Construction of gold-siRNANPR1 nanoparticles for effective ...
AS08 310	NR Nitrate reductase, assimilatory	35669705	Cao et al. (2022) Autophagic pathway contributes to low-nitrogen tolerance by ...
AS08 310	NR Nitrate reductase, assimilatory	33430433	Costa-Broseta et al. (2021). Post-Translational Modifications of Nitrate Reduc...
AS08 310	NR Nitrate reductase, assimilatory	33418923	Kim et al. (2021). Establishment of a Genome Editing Tool Using CRISPR-Cas9 in...
AS08 310	NR Nitrate reductase, assimilatory		Prinsi et al. (2021). Biochemical and Proteomic Changes in the Roots of M4 Gra...
AS08 310	NR Nitrate reductase, assimilatory	34929502	Maresca et al. (2021) Biological responses to heavy metal stress in the moss L...
AS08 310	NR Nitrate reductase, assimilatory	32012309	Zhang et al. (2020). Hydrogen sulfide and rhizobia synergistically regulate ni...
AS08 310	NR Nitrate reductase, assimilatory		Dongxu et al. (2020). Magnesium reduces cadmium accumulation by decreasing the...
AS08 310	NR Nitrate reductase, assimilatory	27893161	Jayawardena et al. (2016). Elevated CO2 plus chronic warming reduces nitrogen ...
AS08 310	NR Nitrate reductase, assimilatory	27116428	Chen et al. (2016). The role of nitric oxide signalling in response to salt st...
AS08 310	NR Nitrate reductase, assimilatory	26232921	Cheng et al. (2015). Quantitative proteomics analysis reveals that S-nitrosogl...
AS08 310	NR Nitrate reductase, assimilatory	25173632	Zhang et al. (2014). Heterologous expression of AtPAP2 in transgenic potato in...
AS08 310	NR Nitrate reductase, assimilatory		Bevzaei et al. (2014). Response of Nitrate Reductase to Exogenous Application ...
AS08 310	NR Nitrate reductase, assimilatory		Frada et al. (2013). Quantum requirements for growth and fatty acid biosynthes...
AS12 2611	NRT1.1 Nitrate transporter 1.1	36062335	Ye, Zhou, Zhu, et al. (2022) Inhibition of shoot-expressed NRT1.1 improves reu...
AS12 2611	NRT1.1 Nitrate transporter 1.1		Medici et al. (2015). AtNIGT1/HRS1 integrates nitrate and phosphate signals at...
AS12 2612	NRT2.1 Nitrate transporter 2.1		Zou et al. (2019). Phosphorylation at Ser28 stabilizes the Arabidopsis nitrate...
AS12 1873	NtcA Global nitrogen regulator		Ge et al. (2017). Translating Divergent Environmental Stresses into a Common P...
AS17 4117	Nucleomorph HLLIP Nucleomorph high-light induced protein		Funk et al. (2011). High light stress and the one-helix LHC-like proteins of t...
AS11 1776	N-YFP N-terminal of YFP		Li et al. (2021) Two ubiquitin-associated ER proteins interact with COPT coppe...
AS11 1776	N-YFP N-terminal of YFP	34919703	Lung et al. (2021) Oxylipin signaling in salt-stressed soybean is modulated by...
AS11 1776	N-YFP N-terminal of YFP	30485803	Schultz-Larsen et al. (2018). The AMSH3 ESCRT-III-Associated Deubiquitinase Is...
AS20 4412	OLE1 Oleosin 18.5 kDa	19891705	Shimada et al. (2010). A rapid and non-destructive screenable marker, FAST, fo...
AS20 4412	OLE1 Oleosin 18.5 kDa	18485063	Shimada et al. (2008). A novel role for oleosins in freezing tolerance of oils...
AS20 4411	OLE2 Oleosin 21.2 kDa	18485063	Shimada et al. (2008). A novel role for oleosins in freezing tolerance of oi...
AS19 4269	PA200 Proteasome activator PA200		Book et al. (2010). Affinity purification of the Arabidopsis 26 S proteasome r...
AS19 4258	PAC1 20S Proteasome alpha subunit C1		Smalle et al. (2002). Cytokinin growth responses in Arabidopsis involve the 26...
AS19 4259	PAG1 20S Proteasome alpha subunit G1		Book et al. (2010). Affinity purification of the Arabidopsis 26 S proteasome r...
AS10 1572	PAR-1 protease-activated receptor 1	18480058	Grenegard et al. (2008). The ATP-gated P2X1 Receptor Plays a Pivotal Role in A...
AS10 1573	PAR-4 protease-activated receptor 4	18480058	Grenegard et al. (2008). The ATP-gated P2X1 Receptor Plays a Pivotal Role in A...
AS12 1842	Patatin		Isayenka et al. (2022) Increased abundance of patatins, lipoxygenase and mirac...
AS19 4260	PBA1 20S proteasome beta subunit A1	36180574	Boussardon, Bag, Juvany, et al. (2022) The RPN12a proteasome subunit is essent...
AS19 4260	PBA1 20S proteasome beta subunit A1		Smalle et al. (2002). Cytokinin growth responses in Arabidopsis involve the 26...
AS19 4261	PBF1 20S proteasome beta subunit F-1		Smalle et al. (2002). Cytokinin growth responses in Arabidopsis involve the 26...
AS20 4413	PBP1 PYK10-binding protein 1 (C-terminal)	15919674	Nagano et al. (2005). Activation of an ER-body-localized beta-glucosidase via...
AS20 4414	PBP1 PYK10-binding protein 1 (N-terminal)	15919674	Nagano et al. (2005). Activation of an ER-body-localized beta-glucosidase via ...
AS20 4414	PBP1 PYK10-binding protein 1 (N-terminal)	15155889	Matsushima et al. (2004). NAI1 gene encodes a basic-helix-loop-helix-type put...
AS06 141	PC Plastocyanin		Urban, Rogowski & Romanowska (2022), Crucial role of the PTOX and CET pathways...
AS06 141	PC Plastocyanin		Naschberger, Mosebach, Tobiasson, et al. (2022) Algal photosystem I dimer and ...
AS06 141	PC Plastocyanin	33445673	Tokarz et al. (2021). Stem Photosynthesis-A Key Element of Grass Pea (Lathyrus...
AS06 141	PC Plastocyanin	34004195	Viola et al. (2021) In vivo electron donation from plastocyanin and cytochrome...
AS06 141	PC Plastocyanin	34778922	Furutani et al. (2021) The difficulty of estimating the electron transport rat...

AS06 141	PC Plastocyanin		Wang et al. (2020) Rerouting of ribosomal proteins into splicing in plant orga...
AS06 141	PC Plastocyanin	32041909	Galvis et al. (2020). H+ transport by K+ EXCHANGE ANTIPORTER3 promotes photosy...
AS06 141	PC Plastocyanin	32189186	Simakawa et al. (2020). Near-infrared in Vivo Measurements of Photosystem I an...
AS06 141	PC Plastocyanin	30968200	Cha et al. (2019). Arabidopsis GIGANTEA negatively regulates chloroplast bioge...
AS06 141	PC Plastocyanin	31093688	Mermod et al. (2019). SQUAMOSA promoter-binding protein-like 7 mediates copper...
AS06 141	PC Plastocyanin	29133823	Balyan et al. (2017). Identification of miRNA-mediated drought responsive mult...
AS06 141	PC Plastocyanin	23487432	Perea-García et al. (2017). Arabidopsis copper transport protein COPT2 partic...
AS06 141	PC Plastocyanin	27335455	Yoshida et al. (2016). Hisabori T1. Two distinct redox cascades cooperatively r...
AS06 141	PC Plastocyanin	25646490	Kropat et al. (2015). Copper economy in Chlamydomonas: Prioritized allocation ...
AS06 141	PC Plastocyanin		Sook Seok et al. (2013). AtFKBP16-1, a chloroplast luminal immunophilin, media...
AS06 141	PC Plastocyanin	23487432	Perera-Garcia et al. (2013). Arabidopsis copper transport protein COPT2 partic...
AS21 4552	PCNA Proliferating cell nuclear antigen (Saccharomyces cerevisiae)	17471029	Ogiwara et al. (2007). The INO80 chromatin remodeling complex functions in sis...
AS21 4552	PCNA Proliferating cell nuclear antigen (Saccharomyces cerevisiae)	16809783	Hishida et al. (2006). Functional and physical interaction of yeast Mgs1 with P...
AS21 4552	PCNA Proliferating cell nuclear antigen (Saccharomyces cerevisiae)	12354094	Iida et al. (2002). PCNA clamp facilitates action of DNA cytosine methyltransfe...
AS10 691	PDC2 Pyruvate decarboxylase 2	33028901	Ventura et al. (2020). Arabidopsis phenotyping reveals the importance of alcoh...
AS10 691	PDC2 Pyruvate decarboxylase 2	31384925	Gil-Monreal et al. (2019). ERF-VII transcription factors induce ethanol fermen...
AS10 691	PDC2 Pyruvate decarboxylase 2	25226037	Giuntoli et al. (2014). A trihelix DNA binding protein counterbalances hypoxia...
AS16 3973	PDF1 Plant defensin 1.1	33317090	Nikoloudakis et al. (2020). Structural Diversity and Highly Specific Host-Path...
AS09 471	PDR8 ABC transporter G family member 36	26315018	Campe et al. (2015). ABC transporter PEN3/PDR8/ABCG36 interacts with calmoduli...
AS09 471	PDR8 ABC transporter G family member 36	16415066	Yoshihiro et al. (2006). Loss of AtPDR8, a plasma membrane ABC transporter of ...
AS21 4528	PEC1 Plastid Envelope Channel 1	34618095	Volkner et al. (2021) Two plastid POLLUX ion channel-like proteins are required...
AS21 4528	PEC1 Plastid Envelope Channel 1		Volkner et al. (2021) Two plastid POLLUX ion channel-like proteins are required...
AS18 4200	Pectic polysaccharide, alpha-1,5-arabinan (monoclonal, clone LM13)	19392693	Verherbruggen et al. (2009). Developmental complexity of arabinan polysacchar...
AS18 4200	Pectic polysaccharide, alpha-1,5-arabinan (monoclonal, clone LM13)	17629746	Moller et al. (2008). High-throughput screening of monoclonal antibodies again...
AS18 4198	Pectic polysaccharide, alpha-1,5-arabinan (monoclonal, clone LM6)	19392693	Verherbruggen et al. (2009). Developmental complexity of arabinan polysacchar...
AS18 4198-1ml	Pectic polysaccharide, alpha-1,5-arabinan (monoclonal, clone LM6)	19392693	Verherbruggen et al. (2009). Developmental complexity of arabinan polysacchar...
AS18 4198	Pectic polysaccharide, alpha-1,5-arabinan (monoclonal, clone LM6)	9675359	Willats et al. (1998). Generation of monoclonal antibody specific to (1->5)-a...
AS18 4197	Pectic polysaccharide, beta-1,4-galactan (monoclonal, clone LM5)	27855335	Andersen et al. (2016). Characterization of the LMS pectic galactan epitope wi...
AS18 4197-1ml	Pectic polysaccharide, beta-1,4-galactan (monoclonal, clone LM5)	27855335	Andersen et al. (2016). Characterization of the LMS pectic galactan epitope wi...
AS18 4197	Pectic polysaccharide, beta-1,4-galactan (monoclonal, clone LM5)	12223681	Jones et al. (1997). Development and validation of an in vitro model system to...
AS18 4197-1ml	Pectic polysaccharide, beta-1,4-galactan (monoclonal, clone LM5)	12223681	Jones et al. (1997). Development and validation of an in vitro model system to...
AS22 4808-1ml	Pectic polysaccharide, Branched Galactan (monoclonal, clone LM26)	29150558	Torode, O'Neill, Marcus et al. (2018) Branched Pectic Galactan in Phloem-Sieve...
AS18 4194-1ml	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM5)		Yu et al. (2023) Reduction of pectin may decrease the embryogenicity of grapev...
AS18 4194-1ml	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM5)		Zhang et al. (2022) Mutation of CESA1 phosphorylation site influences pectin s...
AS18 4194	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM5)		Du et al. (2022) Pectin methyltransferase QUASIMODO2 functions in the formatio...
AS18 4194	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM5)	12892947	Clausen et al. (2003). Synthetic methyl hexagalacturonate hapten inhibitors of...
AS18 4194-1ml	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM5)	12892947	Clausen et al. (2003). Synthetic methyl hexagalacturonate hapten inhibitors of...
AS18 4194	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM5)	24196931	Knox et al. (1990). Pectin esterification is spatially regulated both within c...
AS18 4194-1ml	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM5)	24196931	Knox et al. (1990). Pectin esterification is spatially regulated both within c...
AS18 4195	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM7)		Yu et al. (2023) Reduction of pectin may decrease the embryogenicity of grapev...
AS18 4195	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM7)		Du et al. (2022) Pectin methyltransferase QUASIMODO2 functions in the formatio...
AS18 4195	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM7)	12892947	Clausen et al. (2003). Synthetic methyl hexagalacturonate hapten inhibitors of...
AS18 4195-1ml	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM7)	12892947	Clausen et al. (2003). Synthetic methyl hexagalacturonate hapten inhibitors of...
AS18 4195	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM7)	24196931	Knox et al. (1990). Pectin esterification is spatially regulated both within c...
AS18 4195-1ml	Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM7)	24196931	Knox et al. (1990). Pectin esterification is spatially regulated both within c...
AS18 4192	Pectic polysaccharide, homogalacturonan (monoclonal, clone LM18)	19144326	Verherbruggen et al. (2009). An extended set of monoclonal antibodies to pec...
AS18 4191-1ml	Pectic polysaccharide, homogalacturonan (monoclonal, clone LM19)		Pan, Li, Liu, Qi et al. (2023) Multi-microscopy techniques combined with FT-IR...
AS18 4191	Pectic polysaccharide, homogalacturonan (monoclonal, clone LM19)	20659281	Marcus et al. (2010). Restricted access of proteins to mannan polysaccharides ...
AS18 4191-1ml	Pectic polysaccharide, homogalacturonan (monoclonal, clone LM19)	20659281	Marcus et al. (2010). Restricted access of proteins to mannan polysaccharides ...
AS18 4191	Pectic polysaccharide, homogalacturonan (monoclonal, clone LM19)	19144326	Verherbruggen et al. (2009). An extended set of monoclonal antibodies to pec...
AS18 4191-1ml	Pectic polysaccharide, homogalacturonan (monoclonal, clone LM19)	19144326	Verherbruggen et al. (2009). An extended set of monoclonal antibodies to pec...
AS18 4196-1ml	Pectic polysaccharide, homogalacturonan (monoclonal, clone LM7)		Zhang et al. (2022) Mutation of CESA1 phosphorylation site influences pectin s...
AS18 4196	Pectic polysaccharide, homogalacturonan (monoclonal, clone LM7)	12892947	Clausen et al. (2003). Synthetic methyl hexagalacturonate hapten inhibitors of...

AS18 4196	Pectic polysaccharide, homogalacturonan (monoclonal, clone LM7)	11278866	Willats et al. (2001). Modulation of the degree and pattern of methyl-esterifi...
AS18 4201	Pectic polysaccharide, Rhamnogalacturonan (monoclonal, clone LM16)	19392693	Verherbruggen et al. (2009). Developmental complexity of arabinan polysacchar...
AS18 4202	Pectic polysaccharide, Xylogalacturonan (monoclonal, clone LM8)	14618325	Willam et al. (2004). A xylogalacturonan epitope is specifically associated wi...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	35166439	Luo, Takagi, Claus LAN, et al. (2023) Deubiquitinating enzymes UBP12 and UBP13...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	35767615	Ding et al. (2022) CPK28-NLP7 module integrates cold-induced Ca2+ signal and t...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	35926874	Lan, Ma, Zheng, et al. (2022) Ubiquitome profiling reveals a regulatory patter...
AS09 458	PEPC Phosphoenolpyruvate carboxylase		Durall et al. (2021). Production of succinate by engineered strains of Synecho...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	34020507	Wang et al. (2021). Brassinosteroids inhibit miRNA-mediated translational repr...
AS09 458	PEPC Phosphoenolpyruvate carboxylase		Rakhmankulova et al. (2021) Possible Activation of C3 Photosynthesis in C4 Hal...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	32010220	Durall et al. (2020). Increased ethylene production by overexpressing phosphoe...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	32724893	Kramer et al. (2020). N6-methyladenosine and RNA secondary structure affect tr...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	31543444	Wang et al. (2019). PUB25 and PUB26 Promote Plant Freezing Tolerance by Degrad...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	30499169	Hui et al. (2018). TALE-carrying bacterial pathogens trap host nuclear import ...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	30287949	Salesse-Smith et al. (2018). Overexpression of Rubisco subunits with RAF1 incr...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	29396510	Bassi et al. (2018). Nitrogen supply influences photosynthesis establishment a...
AS09 458	PEPC Phosphoenolpyruvate carboxylase		Sonawane et al. (2018). Shade compromises the photosynthetic efficiency of NAD...
AS09 458	PEPC Phosphoenolpyruvate carboxylase		Wen et al. (2017). Possible involvement of phosphoenolpyruvate carboxylase and...
AS09 458	PEPC Phosphoenolpyruvate carboxylase		Jiang et al. (2017). Development of an Efficient Protein Extraction Method Com...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	28344081	Liu et al. (2017). Plasma Membrane CRPK1-Mediated Phosphorylation of 14-3-3 Pr...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	27889522	Ribeiro et al. (2017). Increased sink strength offsets the inhibitory effect o...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	27164981	Shen et al. (2016). The existence of C4-bundle-sheath-like photosynthesis in t...
AS09 458	PEPC Phosphoenolpyruvate carboxylase	27497446	Ishikawa et al. (2016). NDH-Mediated Cyclic Electron Flow Around Photosystem I...
AS09 458	PEPC Phosphoenolpyruvate carboxylase		Shen et al. (2015). Overexpression of maize phosphoenolpyruvate carboxylase im...
AS09 458	PEPC Phosphoenolpyruvate carboxylase		Foley et. al (2015). Analysis of conglutin seed storage proteins across lupin ...
AS07 241	PEPCK PEP carboxykinase	35866447	Bellasio & Ermakova (2022) Reduction of bundle sheath size boosts cyclic elect...
AS07 241	PEPCK PEP carboxykinase		Wei et al. (2019). Transcriptomic and proteomic responses to very low CO 2 su...
AS07 241	PEPCK PEP carboxykinase	27164981	Shen et al. (2016). The existence of C4-bundle-sheath-like photosynthesis in t...
AS07 241	PEPCK PEP carboxykinase	23959598	Aragoon et al. (2013). The physiology of ex vitro pineapple (Ananas comosus L...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	36463410	Krvnicka, et al. (2023) FtsH4 protease controls biogenesis of the PSII complex...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	35904136	Ermakova et al. (2022) Enhanced abundance and activity of the chloroplast ATP ...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	33629953	Pipitone et al. (2021). A multifaceted analysis reveals two distinct phases of...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	31904850	Zhang et al. (2020). Enhanced Relative Electron Transport Rate Contributes To ...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	33383642	Kana et al. (2020). Fast Diffusion of the Unassembled PetC1-GFP Protein in the...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	31240258	Pralon et al. (2019). Plastoquinone homeostasis by Arabidopsis proton gradien...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	30312499	Koochak et al. (2019). The structural and functional domains of plant thylakoi...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	30312499	Koochak et al. (2018). The structural and functional domains of plant thylakoi...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	29437989	Du et al. (2018). Galactoglycerolipid Lipase PGD1 Is Involved in Thylakoid Mem...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	29379151	Wood et al. (2018). Dynamic thylakoid stacking regulates the balance between l...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	29880711	Liang et al. (2018). Thylakoid-Bound Polysomes and a Dynamin-Related Protein, ...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex		Xing et al. (2017). Deletion of CGLD1 Impairs PSII and Increases Singlet Oxyge...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	28710587	Zang et al. (2017). Characterization of the sulfur-formation (suf) genes in Sy...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	27784767	Nath et al. (2016). A Nitrogen-Fixing Subunit Essential for Accumulating 4Fe-4...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	27563850	Zhang et al. (2016). A new paradigm for producing astaxanthin from the unicell...
AS08 330	PetC Rieske iron-sulfur protein of Cyt b6/f complex	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS08 330S	PetC Rieske iron-sulfur protein of Cyt b6/f complex, protein standard	33629953	Pipitone et al. (2021). A multifaceted analysis reveals two distinct phases of...
AS08 330S	PetC Rieske iron-sulfur protein of Cyt b6/f complex, protein standard	25256155	Li et al. (2014). The nitrogen costs of photosynthesis in a diatom under curre...
AS08 330S	PetC Rieske iron-sulfur protein of Cyt b6/f complex, protein standard		Wu et al. (2014). Large centric diatoms allocate more cellular nitrogen to pho...
AS08 372	Pex14p Peroxisomal marker	35608297	Linas et al. (2022) An Arabidopsis pre-RNA processing8a (prp8a) missense alle...
AS08 372	Pex14p Peroxisomal marker	31152467	Calero-Munoz et al. (2019). Cadmium induces reactive oxygen species-dependent ...
AS08 372	Pex14p Peroxisomal marker	30478358	McLoughlin et al. (2018). Maize multi-omics reveal roles for autophagic recycl...
AS08 372	Pex14p Peroxisomal marker	29555730	Gonzalez et al. (2018). A pex1 missense mutation improves peroxisome function ...
AS08 372	Pex14p Peroxisomal marker	29044717	Vincent et al. (2017). A genome-scale analysis of mRNAs targeting to plant mit...

AS08 372	Pex14p Peroxisomal marker	27556292	Zhong et al. (2016). MoDnm1 Dynamin Mediating Peroxisomal and Mitochondrial Fi...
AS08 372	Pex14p Peroxisomal marker	25700484	Li et al. (2015). A Chaperone Function of NO CATALASE ACTIVITY1 Is Required to...
AS08 372	Pex14p Peroxisomal marker	25944100	Li et al. (2015). Autophagic recycling plays a central role in maize nitrogen ...
AS20 4391	PGDH3 Phosphoglycerate dehydrogenase 3 (chloroplastic)		Hohner et al. (2021) Stromal NADH supplied by PHOSPHOGLYCERATE DEHYDROGENASE3
AS06 116	PGL35 Plastoglobulin 35; FIB1a; FBN1a	35202657	Espinoza-Corral & Lundquist. (2022) The plastoglobule-localized protein AtABC1...
AS06 116	PGL35 Plastoglobulin 35; FIB1a; FBN1a		(2021). Autophagy is required for lipid homeostasis during dark-induced senesc...
AS06 116	PGL35 Plastoglobulin 35; FIB1a; FBN1a	26329679	Luo et al. (2015). Distinct carotenoid and flavonoid accumulation in a spontan...
AS06 116	PGL35 Plastoglobulin 35; FIB1a; FBN1a	25088399	Gamez-Arjona et al. (2014). Starch synthase 4 is located in the thylakoid memb...
AS16 3985	PGR5 Proton gradient regulation 5	35669705	Cao et al. (2022) Autophagic pathway contributes to low-nitrogen tolerance by ...
AS16 3985	PGR5 Proton gradient regulation 5	35904136	Ermakova et al. (2022) Enhanced abundance and activity of the chloroplast ATP ...
AS16 3985	PGR5 Proton gradient regulation 5		Urban, Rogowski & Romanowska (2022), Crucial role of the PTOX and CET pathways...
AS16 3985	PGR5 Proton gradient regulation 5	31913273	Yang et al. (2020). Two dominant boreal conifers use contrasting mechanisms to...
AS16 3985	PGR5 Proton gradient regulation 5	31935360	Rantala et al. (2020). PGR5 and NDH-1 systems do not function as protective el...
AS19 4311	PGRL1 PGR5-like protein 1A (chloroplastic)	32169961	McKinnon et al. (2020). Membrane Chaperoning of a Thylakoid Protease Whose Str...
AS10 720	PHOT1 Phototropin-1	33594440	labuz et al. (2021) Phototropin interactions with SUMO proteins. Plant Cell Ph...
AS10 720	PHOT1 Phototropin-1	32661816	Krzeszowiec et al. (2020). Chloroplasts in C3 grasses move in response to blue...
AS10 720	PHOT1 Phototropin-1		labuz et al. (2015). The impact of temperature on blue light induced chloropla...
AS10 720	PHOT1 Phototropin-1	26467664	Eckstein et al. (2015). Auxin and chloroplast movements. Physiol Plant. 2015 O...
AS10 721	PHOT2 Phototropin-2	33594440	labuz et al. (2021) Phototropin interactions with SUMO proteins. Plant Cell Ph...
AS10 721	PHOT2 Phototropin-2	32661816	Krzeszowiec et al. (2020). Chloroplasts in C3 grasses move in response to blue...
AS10 721	PHOT2 Phototropin-2		labuz et al. (2015). The impact of temperature on blue light induced chloropla...
AS10 721	PHOT2 Phototropin-2	24821953	Aggarwal et al. (2014). Blue-light-activated phototropin2 trafficking from the...
AS04 051	Photosynthesis Tool Kit - quantitation		Abramson (2018). CARBON PARTITIONING IN ENGINEERED CYANOBACTERI UM FOR THE
AS04 051	Photosynthesis Tool Kit - quantitation		Morash et al. (2007) Macromolecular dynamics of the photosynthetic system over...
AS04 051	Photosynthesis Tool Kit - quantitation	16620154	Bouchard et al. (2006) UVB effects on the photosystem II-D1 protein of phytopl...
AS04 051	Photosynthesis Tool Kit - quantitation	15726330	MacKenzie et al (2005). Large reallocations of carbon, nitrogen and photosynth...
AS08 321	Pht1-1/2 Root phosphate transporter isoform 1-1 and 1-2	32041139	Namyslov et al. (2020). Exodermis and Endodermis Respond to Nutrient Deficienc...
AS20 4505	Phy Phytochrome (clone Oat-23)	2463784	Pratt et al. (1988). Mapping of antigenic domains on phytochrome from etiolate...
AS20 4505	Phy Phytochrome (clone Oat-23)	24264758	Cordonnier et al. (1983). Production and purification of monoclonal antibodies...
AS20 4500	Phy Phytochrome (clone Oat-25)	2463784	Pratt et al. (1988). Mapping of antigenic domains on phytochrome from etiolate...
AS20 4500	Phy Phytochrome (clone Oat-25)	24264758	Cordonnier et al. (1983). Production and purification of monoclonal antibodies...
AS20 4496	Phy Phytochrome (clone Oat-8)	2463784	Pratt et al. (1988). Mapping of antigenic domains on phytochrome from etiolate...
AS20 4496	Phy Phytochrome (clone Oat-8)	24264758	Cordonnier et al. (1983). Production and purification of monoclonal antibodies...
AS20 4502	Phy Phytochrome (clone Pea-25)	2463784	Pratt et al. (1988). Mapping of antigenic domains on phytochrome from etiolate...
AS20 4502	Phy Phytochrome (clone Pea-25)	24264758	Cordonnier et al. (1983). Production and purification of monoclonal antibodies...
AS07 220	PhyA Phytochrome A		Schenk et al. (2021) Light-induced degradation of SPA2 via its N-terminal kina...
AS07 220	PhyA Phytochrome A	33783355	Schwenk et al. (2021) Uncovering a novel function of the CCR4-NOT complex in p...
AS07 220	PhyA Phytochrome A		Menon et al. (2019). Arabidopsis FAR-RED ELONGATED HYPOCOTYL 1 and FHY1-LIKE a...
AS07 220	PhyA Phytochrome A	22232680	Paik et al. (2012). Phytochrome regulates translation of mRNA in the cytosol. ...
AS16 3954	PIF3 Phytochrome interacting factor 3 (goat antibody)	29103938	Sinclair et al. (2017) Etiolated Seedling Development Requires Repression of P...
AS16 3955	PIF4 Phytochrome interacting factor 4 (goat antibody)	35567489	Agrawal et al. (2022) MEDIATOR SUBUNIT17 integrates jasmonate and auxin signal...
AS16 3955	PIF4 Phytochrome interacting factor 4 (goat antibody)	35929801	Fang et al. (2022) TANDEM ZINC-FINGER/PLUS3 regulates phytochrome B abundance ...
AS16 3955	PIF4 Phytochrome interacting factor 4 (goat antibody)	36063057	Bairacharya, Xi, Grace, et al. (2022) PHYTOCHROME-INTERACTING FACTOR 4/HEMERA-...
AS16 3955	PIF4 Phytochrome interacting factor 4 (goat antibody)	34135347	Lee et al. (2021) Spatial regulation of thermomorphogenesis by HYS and PIF4 in...
AS16 3955	PIF4 Phytochrome interacting factor 4 (goat antibody)	32994167	Lee, Paik & Hug. (2020). SPAs promote thermomorphogenesis by regulating the ph...
AS16 3955	PIF4 Phytochrome interacting factor 4 (goat antibody)		Sun et al. (2019). SHB1 and CCA1 interaction desensitizes light responses and ...
AS16 3157	PIF4 Phytochrome interacting factor 4 (rabbit antibody)	32248588	Gras et al. (2020). Arabidopsis Thaliana SURFEIT1-like Genes Link Mitochondria...
AS16 3157	PIF4 Phytochrome interacting factor 4 (rabbit antibody)		Ferrero et al. (2019). Class I TCP transcription factors target the gibberelli...
AS16 3157	PIF4 Phytochrome interacting factor 4 (rabbit antibody)		Hwang et al. (2019). Trehalose-6-phosphate signaling regulates thermoresponsiv...
AS12 2112	PIF5 Phytochrome interacting factor 5 (rabbit antibody)		Pham et al. (2018). Dynamic regulation of PIF5 by COP1-SPA complex to optimize...
AS09 487	PIP (PIP1;1, PIP1;2, PIP1;3, PIP1;4, PIP1;5) Aquaporins	34780111	Chen et al. (2022) Elucidating the role of SWEET13 in phloem loading of the C4...
AS09 487	PIP (PIP1;1, PIP1;2, PIP1;3, PIP1;4, PIP1;5) Aquaporins	35184158	Clarke et al. (2022). Mesophyll conductance is unaffected by expression of Ara...
AS09 487	PIP (PIP1;1, PIP1;2, PIP1;3, PIP1;4, PIP1;5) Aquaporins	23537705	Jang et al. (2013). Twoaquaporins of Jatropha are regulated differentially dur...

AS09 487	PIP (PIP1;1, PIP1;2, PIP1;3, PIP1;4, PIP1;5) Aquaporins	24058149	Lopez et al. (2013). Aquaporins And Leaf Hydraulics, Poplar Sheds New Light. P...
AS09 489	PIP1;1, PIP1;2, PIP1;3, PIP1;4, PIP1;5 Aquaporins	31121945	Patankar et al. (2019). Functional Characterization of Date Palm Aquaporin Gen...
AS09 489	PIP1;1, PIP1;2, PIP1;3, PIP1;4, PIP1;5 Aquaporins		Fernandez-San Millan et al. (2018). Physiological Performance of Transplastomi...
AS09 489	PIP1;1, PIP1;2, PIP1;3, PIP1;4, PIP1;5 Aquaporins		Pengelly et al. (2014). Transplastomic integration of a cyanobacterial bicarbo...
AS09 504	PIP1;3 Aquaporin, plasma membrane intrinsic protein 1-3	18037610	Sakurai et al. (2008). Tissue and cell-specific localization of rice aquaporin...
AS09 505	PIP1;3 Aquaporin, plasma membrane intrinsic protein 1-3	36242043	Jiang et al. (2022) CEF3 is involved in membrane trafficking and essential for...
AS09 505	PIP1;3 Aquaporin, plasma membrane intrinsic protein 1-3	30886126	Zhang et al. (2019) Arabinosyl Deacetylase Modulates the Arabinoxylan Acetyl...
AS09 505	PIP1;3 Aquaporin, plasma membrane intrinsic protein 1-3	28260782	Zhang et al. (2017). Control of secondary cell wall patterning involves xylan ...
AS09 505	PIP1;3 Aquaporin, plasma membrane intrinsic protein 1-3		Liu et al. (2013). Brittle Culm1, a COBRA-Like Protein, Functions in Cellulose...
AS09 505	PIP1;3 Aquaporin, plasma membrane intrinsic protein 1-3	18037610	Sakurai et al. (2008). Tissue and cell-specific localization of rice aquaporin...
AS09 507	PIP2;1 aquaporin, plasma membrane intrinsic protein 2-1 (Oryza sativa)	18037610	Sakurai et al. (2008). Tissue and cell-specific localization of rice aquaporin...
AS09 491	PIP2;1, PIP2;2, PIP2;3 Plasma membrane intrinsic protein 2-1,2-2,2-3	33570616	Carmona-Salazar et al. (2021). Plasma and Vacuolar Membrane Sphingolipidomes: ...
AS09 491	PIP2;1, PIP2;2, PIP2;3 Plasma membrane intrinsic protein 2-1,2-2,2-3	34685758	Cano-Ramirez et al. (2021) M. Plasma Membrane Fluidity: An Environment Thermal...
AS09 491	PIP2;1, PIP2;2, PIP2;3 Plasma membrane intrinsic protein 2-1,2-2,2-3		Hyun-Sung et al. (2019). NaCl-induced CsRC12E and CsRC12F interact with aquapo...
AS09 491	PIP2;1, PIP2;2, PIP2;3 Plasma membrane intrinsic protein 2-1,2-2,2-3	25624163	Chowanski et al. (2015). Cold induced changes in lipid, protein and carbohydra...
AS09 488	PIP2;1+PIP2;2 Aquaporin PIP2;1+PIP2;2	15133126	Markus G. et al., (2004). Arabidopsis Immunophilin-like TWD1 Functionally Inte...
AS09 490	PIP2;2 Plasma membrane aquaporin 2b		Brillada et al. (2020). Exocyst subunit Exo70B2 is linked to immune signalling...
AS09 506	PIP2;3 Aquaporin, plasma membrane intrinsic protein 2-3	18037610	Sakurai et al. (2008). Tissue and cell-specific localization of rice aquaporin...
AS09 508	PIP2;5 aquaporin, plasma membrane intrinsic protein 2-5	18037610	Sakurai et al. (2008). Tissue and cell-specific localization of rice aquaporin...
AS09 469	PIP2;7 Plasma membrane aquaporin, N-terminal	27671160	Pou et al. (2016). Salinity-mediated transcriptional and post-translational re...
AS09 469	PIP2;7 Plasma membrane aquaporin, N-terminal	25538184	Hachez et al. (2014). The Arabidopsis Abiotic Stress-Induced TSP0-Related Prot...
AS09 469	PIP2;7 Plasma membrane aquaporin, N-terminal	23537705	Jang et al. (2013). Twoaquaporins of Jatropha are regulated differentially dur...
AS12 2110	PIP2-1-7 Plasma membrane aquaporin isoforms 1-7, C-terminal		Kumar et al. (2022). Proteomic dissection of rice cytoskeleton reveals the dom...
AS12 2364	PLDA1/2 Phospholipase D alpha 1/2	32583878	Kocourkova et al. (2020). Phospholipase Dalpha1 mediates the high-Mg2+ stress r...
AS15 2910	PntA (Slr1239) Pyridine nucleotide transhydrogenase alpha-subunit		Kamarainen et al. (2017). Pyridine nucleotide transhydrogenase PntAB is essent...
AS05 067	POR Protochlorophyllide oxidoreductase		Cui, Liu, Li, et al. (2022) The cellulose--lignin balance affects the twisted ...
AS05 067	POR Protochlorophyllide oxidoreductase	33875833	Floris & Kuhlbrandt. (2021). Molecular landscape of etioplast inner membranes ...
AS05 067	POR Protochlorophyllide oxidoreductase	34234144	Lee et al (2021). Chaperone-like protein DAY plays critical roles in photomorp...
AS05 067	POR Protochlorophyllide oxidoreductase	31249292	Dogra et al. (2019). Oxidative post-translational modification of EXECUTER1 is...
AS05 067	POR Protochlorophyllide oxidoreductase	29510200	Zhang et al. (2018). Nitric oxide regulates chlorophyllide biosynthesis and si...
AS05 067	POR Protochlorophyllide oxidoreductase	26031782	Han et al. (2015). A nuclear-encoded chloroplast-targeted S1 RNA-binding domai...
AS05 067	POR Protochlorophyllide oxidoreductase	25699590	Hu et al. (2015). Site-specific Nitrosoproteomic Identification of Endogenous...
AS05 067	POR Protochlorophyllide oxidoreductase		Huey-wen et al. (2014). Harpin Protein, an Elicitor of Disease Resistance, Act...
AS05 067	POR Protochlorophyllide oxidoreductase	24732913	Svozil et al. (2014). Protein abundance changes and ubiquitylation targets ide...
AS05 067	POR Protochlorophyllide oxidoreductase	23289852	Sakuraba et al. (2013). The rice faded green leaf locus encodes protochlorophy...
AS05 067-10	POR Protochlorophyllide oxidoreductase (10 µl)	35650430	Abbas et al. (2022) An oxygen-sensing mechanism for angiosperm adaptation to a...
AS05 067-10	POR Protochlorophyllide oxidoreductase (10 µl)	29396501	Liu et al. (2018). AhGLK1 affects chlorophyll biosynthesis and photosynthesis ...
AS05 067-10	POR Protochlorophyllide oxidoreductase (10 µl)		Yang et al. (2018). Effect of interactions between light intensity and red-to-...
AS05 067-10	POR Protochlorophyllide oxidoreductase (10 µl)	23289852	Sakuraba et al. (2013). The rice faded green leaf locus encodes protochlorophy...
AS05 067-10	POR Protochlorophyllide oxidoreductase (10 µl)	22704664	Yuan et al. (2012). Assembly of NADPH:protochlorophyllide oxidoreductase comple...
AS13 2647	PPDK Pyruvate orthophosphate dikinase		Shen et al. (2016). The existence of C4-bundle-sheath-like photosynthesis in t...
AS10 687	PR-1 Pathogenesis-related protein 1		Garcia-Murillo et al. (2023) CRISPRa-mediated transcriptional activation of th...
AS10 687	PR-1 Pathogenesis-related protein 1	35122385	Pecenkova et al. (2022) Immunity functions of Arabidopsis pathogenesis-related...
AS10 687	PR-1 Pathogenesis-related protein 1	35348763	Baena et al. (2022) SNARE SYP132 mediates divergent traffic of plasma membrane...
AS10 687	PR-1 Pathogenesis-related protein 1		Jung et al. (2020). Pathogen-associated Molecular Pattern-triggered Immunity I...
AS10 687	PR-1 Pathogenesis-related protein 1	32139475	Li et al. (2020). N-terminal acetylation stabilizes SIGMA FACTOR BINDING PROTE...
AS10 687	PR-1 Pathogenesis-related protein 1	30763614	Chang et al. (2019). PBS3 Protects EDS1 from Proteasome-Mediated Degradation i...
AS10 687	PR-1 Pathogenesis-related protein 1	30606779	Lv et al. (2019). Uncoupled Expression of Nuclear and Plastid Photosynthesis-A...
AS10 687	PR-1 Pathogenesis-related protein 1	30156481	Cecchini et al. (2018). Underground azelaic acid-conferred resistance to Pseud...
AS10 687	PR-1 Pathogenesis-related protein 1		Chakraborty et al. (2018). Epigenetic and transcriptional control of chickpea ...
AS10 687	PR-1 Pathogenesis-related protein 1	29499090	Izquierdo et al. (2018). Arabidopsis nonresponding to oxylipins locus NOXY7 en...
AS10 687	PR-1 Pathogenesis-related protein 1		Seguel et al. (2018). PROHIBITIN 3 forms complexes with ISOCHORISMATE SYNTHASE...
AS10 687	PR-1 Pathogenesis-related protein 1	28475615	Huh et al. (2017). Protein-protein interactions in the RPS4/RRS1 immune recept...

AS10 687	PR-1	Pathogenesis-related protein 1	28051349	Zhang et al. (2017). A suite of receptor-like kinases and a putative mechano-s...
AS10 687	PR-1	Pathogenesis-related protein 1	27837097	Zhu et al. (2016). CML8, an Arabidopsis calmodulin-like protein plays a role i...
AS07 208	PR-2	GLU I Class I beta-1,3-glucanase	33687058	Li et al. (2021) Penicillium chrysogenum polypeptide extract protects Nicotian...
AS07 208	PR-2	GLU I Class I beta-1,3-glucanase		Colman et al. (2019). Chitosan microparticles improve tomato seedling biomass ...
AS07 208	PR-2	GLU I Class I beta-1,3-glucanase		Martin-Saladana et al. (2018). Salicylic acid loaded chitosan microparticles a...
AS07 208	PR-2	GLU I Class I beta-1,3-glucanase	25187258	Wang et al. (2014). Elicitation of Hypersensitive Responses in Nicotiana glut...
AS07 208	PR-2	GLU I Class I beta-1,3-glucanase		Huey-wen et al. (2014). Harpin Protein, an Elicitor of Disease Resistance, Act...
AS07 208	PR-2	GLU I Class I beta-1,3-glucanase	23116303	Munger et al. (2012). Beneficial 'unintended effects' of a cereal cystatin in ...
AS12 2366	PR-2	Pathogenesis-related protein 2	32798902	Dong et al. (2020). Overexpression of BrAFP1 gene from winter rapeseed (Brassi...
AS12 2366	PR-2	Pathogenesis-related protein 2		Lv et al. (2019). Uncoupled Expression of Nuclear and Plastid Photosynthesis-A...
AS12 2366	PR-2	Pathogenesis-related protein 2		Jespersen et al. (2017). Metabolic Effects of Acibenzolar-S-Methyl for Improvi...
AS12 2366	PR-2	Pathogenesis-related protein 2		Kim et al. (2014). The Arabidopsis Immune Adaptor SRFR1 Interacts with TCP Tra...
AS07 207	PR-3 / CHN	Class I chitinase		Mansilla et al. (2020).- Characterization of functionalized bentonite as nanoc...
AS07 207	PR-3 / CHN	Class I chitinase		Colman et al. (2019). Chitosan microparticles improve tomato seedling biomass ...
AS07 207	PR-3 / CHN	Class I chitinase	28111589	Kumari et al. (2017). Overexpression of a Plasma Membrane Bound Na+/H+ Antipor...
AS07 207	PR-3 / CHN	Class I chitinase	28744300	Jespersen et al. (2017). Metabolic Effects of Acibenzolar-S-Methyl for Improvi...
AS07 207	PR-3 / CHN	Class I chitinase	27074836	Ko et al. (2016). Constitutive expression of a fungus-inducible carboxylestera...
AS07 207	PR-3 / CHN	Class I chitinase		Anil Kumar et al. (2016). Beyond just being foot soldiers – osmotin like prote...
AS07 207	PR-3 / CHN	Class I chitinase	27095402	Wu et al. (2016). Laminarin modulates the chloroplast antioxidant system to en...
AS07 207	PR-3 / CHN	Class I chitinase		Falcioni et al. (2013). Effect of salicylic acid treatment on tomato plant phy...
AS07 207	PR-3 / CHN	Class I chitinase		Munger et al. (2012). Beneficial 'unintended effects' of cereal cystatin in tr...
AS07 207	PR-3 / CHN	Class I chitinase	8310061	Sticher et al. (1993). Posttranslational processing of a new class of hydroxyp...
AS06 118		Pre-apoplastocyanin	8940133	Li et al. (1996). Molecular genetic analysis of plastocyanin biosynthesis in...
AS07 257	PRK ribulose-5-P-kinase	Phosphoribulokinase	29846871	Fukayama et al. (2018). Expression level of Rubisco activase negatively correl...
AS07 257	PRK ribulose-5-P-kinase	Phosphoribulokinase	29078290	Perez-Ruiz et al. (2017). NTRC-dependent redox balance of 2-Cys peroxiredoxins...
AS07 257	PRK ribulose-5-P-kinase	Phosphoribulokinase	28378827	Rai et al. (2017). Real-time iTRAQ-based proteome profiling revealed the centr...
AS07 257	PRK ribulose-5-P-kinase	Phosphoribulokinase	26831830	Niikkanen et al. (2016). Crosstalk between chloroplast thioredoxin systems in r...
AS07 257-HRP	PRK ribulose-5-P-kinase	Phosphoribulokinase, HRP-conjugated (40 µg)	34800702	Gassler et al. (2021) Adaptive laboratory evolution and reverse engineering en...
AS14 2794	PRN2	Pirin-like protein		Zhang et al. (2014). PIRIN2 stabilizes cysteine protease XCP2 and increases su...
AS16 3210	PRO1	Profilin-1 (clone mAbPRF1a 2-14D9)		Kandasamy, M.K., et al. (2002). Plant profilin isovariants are distinctly regu...
AS16 3210	PRO1	Profilin-1 (clone mAbPRF1a 2-14D9)		McKinney, E.C., et al. (2001) Small changes in the regulation of one Arabidops...
AS16 3143	PRO4,5	Profilin-4,5 (clone mAbPRF45a (2-B8))		Kandasamy, M.K., et al. (2002). Plant profilin isovariants are distinctly regu...
AS16 3143	PRO4,5	Profilin-4,5 (clone mAbPRF45a (2-B8))		McKinney, E.C., et al. (2001) Small changes in the regulation of one Arabidops...
AS14 2784	PRP39a	pre-mRNA-processing factor 39	34791475	Chang et al. (2021) The U1 snRNP component RBP45d regulates temperature-respon...
AS05 093	PrxQ	Peroxiredoxin, thioredoxin reductase	30104347	Yoshida et al. (2018). Thioredoxin-like2/2-Cys peroxiredoxin redox cascade sup...
AS05 093	PrxQ	Peroxiredoxin, thioredoxin reductase	27335455	Yoshida et al. (2016). Hisabori T1. Two distinct redox cascades cooperatively r...
AS05 093	PrxQ	Peroxiredoxin, thioredoxin reductase	25878252	Yoshida et al. (2015). Thioredoxin Selectivity for Thiol-Based Redox Regulatio...
AS05 093	PrxQ	Peroxiredoxin, thioredoxin reductase	24727655	Feifei et al. (2014). Comparison of Leaf Proteomes of Cassava (Manihot esculen...
AS05 093	PrxQ	Peroxiredoxin, thioredoxin reductase	23894637	Wu et al. (2013). Proteomic and Phytohormone Analysis of the Response of Maize...
AS20 4489	PS	Phytochelatin Synthase	15653797	Chen et al. (2005). Overexpression of phytochelatin synthase in Arabidopsis lea...
AS13 2654	PSA2	Photosystem I assembly factor 2		Fristedt et al. (2014). A Thylakoid Membrane Protein Harboring a DnaJ-type Zin...
AS15 2872	PSA3	Photosystem I Assembly 3		Shen J, Williams-Carrier R, and Barkan A. (2017) PSA3, a protein on the stroma...
AS06 172	PsaA	PSI-A core protein of photosystem I	36320098	Vidal-Meireles, et al. (2023)The lifetime of the oxygen-evolving complex subun...
AS06 172	PsaA	PSI-A core protein of photosystem I	36378135	von Bismarck, et al (2023). Light acclimation interacts with thylakoid ion tra...
AS06 172	PsaA	PSI-A core protein of photosystem I	36604524	Kondo et al. (2023) Changes in intracellular energetic and metabolite states d...
AS06 172	PsaA	PSI-A core protein of photosystem I		Spaniol et al. (2022) Complexome profiling on the Chlamydomonas lpa2 mutant re...
AS06 172	PsaA	PSI-A core protein of photosystem I		Ivanov et al. (2022) The decreased PG content of ppp1 inhibits PSI photochemis...
AS06 172	PsaA	PSI-A core protein of photosystem I	35115512	Lim et al (2022). Arabidopsis guard cell chloroplasts import cytosolic ATP for...
AS06 172	PsaA	PSI-A core protein of photosystem I	35115512	Lim et al (2022) Arabidopsis guard cell chloroplasts import cytosolic ATP for ...
AS06 172	PsaA	PSI-A core protein of photosystem I	5378087	Guardini et al. (2022). Loss of a single chlorophyll in CP29 triggers re-organ...
AS06 172	PsaA	PSI-A core protein of photosystem I	35820961	Cazzaniga et al. (2022). Engineering astaxanthin accumulation reduces photoinh...
AS06 172	PsaA	PSI-A core protein of photosystem I	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS06 172	PsaA	PSI-A core protein of photosystem I	35899410	Neusius et al. (2022) Lysine acetylation regulates moonlighting activity of th...

AS06 172	PsaA	PSI-A core protein of photosystem I	35946785	Penzler et al. (2022) Commonalities and specialties in photosynthetic function...
AS06 172	PsaA	PSI-A core protein of photosystem I		Urban, Rogowski & Romanowska (2022), Crucial role of the PTOX and CET pathways...
AS06 172	PsaA	PSI-A core protein of photosystem I	33514722	Lu et al. (2021). Role of an ancient light-harvesting protein of PSI in light ...
AS06 172	PsaA	PSI-A core protein of photosystem I		Guardini et al. (2021). High Carotenoid Mutants of Chlorella vulgaris Show Enh...
AS06 172	PsaA	PSI-A core protein of photosystem I	34171145	Fattore et al. (2021). Acclimation of photosynthetic apparatus in the mesophil...
AS06 172	PsaA	PSI-A core protein of photosystem I	34685758	von Bismarck et al. (2021) Light acclimation interacts with thylakoid ion tran...
AS06 172	PsaA	PSI-A core protein of photosystem I	34831107	Wada et al. (2021) Identification of a Novel Mutation Exacerbated the PSI Phot...
AS06 172	PsaA	PSI-A core protein of photosystem I	34736069	Rogowski et al. (2021) Light as a substrate: migration of LHClI antennas in ex...
AS06 172	PsaA	PSI-A core protein of photosystem I	31994740	Their et al. (2020). VIPP2 interacts with VIPP1 and HSP22E/F at chloroplast me...
AS06 172	PsaA	PSI-A core protein of photosystem I	31827608	Jokel et al. (2020). Elimination of the flavodiiron electron sink facilitates ...
AS06 172	PsaA	PSI-A core protein of photosystem I		Liu et al. (2020). Acid treatment combined with high light leads to increased ...
AS06 172	PsaA	PSI-A core protein of photosystem I	32351534	Kobayashi et al. (2020). Relationship Between Glycerolipids and Photosynthetic ...
AS06 172	PsaA	PSI-A core protein of photosystem I	30639785	Zhong et al. (2019). Slower development of PSI activity limits photosynthesis ...
AS06 172	PsaA	PSI-A core protein of photosystem I	30787178	Roth et al. (2019). Regulation of Oxygenic Photosynthesis during Trophic Trans...
AS06 172	PsaA	PSI-A core protein of photosystem I	29784767	Bastow et al. (2018). Vacuolar Iron Stores Gated by NRAMP3 and NRAMP4 Are the ...
AS06 172	PsaA	PSI-A core protein of photosystem I	30176081	Kato et al. (2018). Stepwise evolution of supercomplex formation with photosys...
AS06 172	PsaA	PSI-A core protein of photosystem I	30102358	Zhang et al. (2018). VIRESCENT-ALBINO LEAF 1 regulates leaf colour development...
AS06 172	PsaA	PSI-A core protein of photosystem I	29803724	Giovanardi et al. (2018). In pea stipules a functional photosynthetic electron...
AS06 172	PsaA	PSI-A core protein of photosystem I	29500749	Pao et al. (2018). Lamelloplasts and minichloroplasts in Begoniaceae: iridescen...
AS06 172	PsaA	PSI-A core protein of photosystem I	29319227	He et al. (2018). FRUCTOKINASE-LIKE PROTEIN 1 interacts with TRX2 to regulate ...
AS06 172	PsaA	PSI-A core protein of photosystem I	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS06 172	PsaA	PSI-A core protein of photosystem I		Muneer et al. (2018). Proteomic Analysis Reveals the Dynamic Role of Silicon i...
AS06 172	PsaA	PSI-A core protein of photosystem I	28466860	Fu et al. (2017). Redesigning the QA binding site of Photosystem II allows red...
AS06 172	PsaA	PSI-A core protein of photosystem I		Sakuraba et al. (2017). Rice Phytochrome-interacting Factor-Like1 (OsPIL1) is ...
AS06 172	PsaA	PSI-A core protein of photosystem I	28318016	Gandini et al. (2017). The transporter SynPAM71 is located in the plasma membr...
AS06 172	PsaA	PSI-A core protein of photosystem I	28194795	Miguez et al. (2017). Diversity of winter photoinhibitory responses: A case st...
AS06 172	PsaA	PSI-A core protein of photosystem I	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS06 172	PsaA	PSI-A core protein of photosystem I	27590049	Mazur et al. (2016). Overlapping toxic effect of long term thallium exposure o...
AS06 172	PsaA	PSI-A core protein of photosystem I	27335455	Yoshida et al. (2016). Hisabori T1. Two distinct redox cascades cooperatively r...
AS06 172	PsaA	PSI-A core protein of photosystem I		Gerotto et al. (2016). Flavodiiron proteins act as safety valve for electrons ...
AS06 172	PsaA	PSI-A core protein of photosystem I	26998942	Pavlovic et al. (2016). A carnivorous sundew plant prefers protein over chitin...
AS06 172	PsaA	PSI-A core protein of photosystem I	26901522	Pavlovic et al. (2016). Light-induced gradual activation of photosystem II in ...
AS10 695	PsaB	PSI-B core subunit of photosystem I	36463410	Krynicka, et al. (2023) FtsH4 protease controls biogenesis of the PSII complex...
AS10 695	PsaB	PSI-B core subunit of photosystem I	35916195	Lempiainen et al. (2022) Plants acclimate to Photosystem I photoinhibition by ...
AS10 695	PsaB	PSI-B core subunit of photosystem I	35947692	Zhao et al. (2022) Native architecture and acclimation of photosynthetic membr...
AS10 695	PsaB	PSI-B core subunit of photosystem I		Liu et al. (2020). Acid treatment combined with high light leads to increased ...
AS10 695	PsaB	PSI-B core subunit of photosystem I	32176335	Grieco et al. (2020). Adjustment of photosynthetic activity to drought and flu...
AS10 695	PsaB	PSI-B core subunit of photosystem I	33082138	Shukla et al. (2020). A novel method produces native LHClI aggregates from the...
AS10 695	PsaB	PSI-B core subunit of photosystem I	30798151	Frede et al. (2019). Light quality-induced changes of carotenoid composition i...
AS10 695	PsaB	PSI-B core subunit of photosystem I	30488561	Lima-Melo et al. (2019). Consequences of photosystem-I damage and repair on ph...
AS10 695	PsaB	PSI-B core subunit of photosystem I	30312499	Koochak et al. (2018). The structural and functional domains of plant thylakoi...
AS10 695	PsaB	PSI-B core subunit of photosystem I		Gao et al. (2018). Effect of green light on the amount and activity of NDH-1-P...
AS10 695	PsaB	PSI-B core subunit of photosystem I	29725995	Popova et al. (2018). Differential temperature effects on dissipation of exces...
AS10 695	PsaB	PSI-B core subunit of photosystem I		Rantala and Tikkanen et al. (2018). Phosphorylation-induced lateral rearrangem...
AS10 695	PsaB	PSI-B core subunit of photosystem I		Wang et al. (2018). ITRAQ-based quantitative proteomics analysis of an immatur...
AS10 695	PsaB	PSI-B core subunit of photosystem I		Giovanardi et al. (2017). Higher packing of thylakoid complexes ensures a pres...
AS10 695	PsaB	PSI-B core subunit of photosystem I		Jusovic et al. (2017). Photosynthetic Responses of a Wheat Mutant (Rht-B1c) wi...
AS10 695	PsaB	PSI-B core subunit of photosystem I	28479323	Georg et al. (2017). Acclimation of Oxygenic Photosynthesis to Iron Starvation...
AS10 695	PsaB	PSI-B core subunit of photosystem I	28382592	Tyuereva et al. (2017). The absence of chlorophyll b affects lateral mobility ...
AS10 695	PsaB	PSI-B core subunit of photosystem I	28318016	Gandini et al. (2017). The transporter SynPAM71 is located in the plasma membr...
AS10 695	PsaB	PSI-B core subunit of photosystem I	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS10 695	PsaB	PSI-B core subunit of photosystem I	28351910	Kurkela et al. (2017). Acclimation to High CO2 Requires the ω Subunit of the R...
AS10 695	PsaB	PSI-B core subunit of photosystem I	27784767	Nath et al. (2016). A Nitrogen-Fixing Subunit Essential for Accumulating 4Fe-4...

AS10 695	PsaB	PSI-B core subunit of photosystem I	26332430	Suorsa et al. (2015). Light acclimation involves dynamic re-organisation of th...
AS10 695	PsaB	PSI-B core subunit of photosystem I	25843550	Grieco et al. (2015). Light-harvesting II antenna trimers connect energetically...
AS10 695	PsaB	PSI-B core subunit of photosystem I	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS10 695	PsaB	PSI-B core subunit of photosystem I	20183922	Subramanyam et al. (2014). Structural and functional changes of PSI-LHCI super...
AS10 695	PsaB	PSI-B core subunit of photosystem I	25214185	Qin et al. (2014). Isolation and characterization of a PSI-LHCI super-complex ...
AS10 695	PsaB	PSI-B core subunit of photosystem I		Mustila et al. (2014). The bacterial-type [4Fe-4S] ferredoxin 7 has a regulato...
AS04 042S	PsaC	PSI positive control/quantitation standard	33629953	Pipitone et al. (2021). A multifaceted analysis reveals two distinct phases of...
AS04 042S	PsaC	PSI positive control/quantitation standard	34736069	Rogowski et al. (2021) Light as a substrate: migration of LHCI antennas in ex...
AS04 042S	PsaC	PSI positive control/quantitation standard	31409711	Levitan et al. (2019). Structural and functional analyses of photosystem II in...
AS04 042S	PsaC	PSI positive control/quantitation standard		Li et al. (2016). A Hard Day's Night: Diatoms Continue Recycling Photosystem I...
AS04 042S	PsaC	PSI positive control/quantitation standard	25862645	Vandenhecke et al. (2015). Changes in the Rubisco to photosystem ratio dominat...
AS04 042S	PsaC	PSI positive control/quantitation standard		Wu et al. (2014). Large centric diatoms allocate more cellular nitrogen to pho...
AS04 042S	PsaC	PSI positive control/quantitation standard	25256155	Li et al. (2014). The nitrogen costs of photosynthesis in a diatom under curre...
AS10 939	PsaC	PSI-C core subunit of photosystem I		Ye et al. (2022) Effect of increased CO2 on iron-light-CO2 co-limitation of gr...
AS10 939	PsaC	PSI-C core subunit of photosystem I		Burlacot et al. (2022) Alternative photosynthesis pathways drive the algal CO2...
AS10 939	PsaC	PSI-C core subunit of photosystem I	35522034	Torrado, Connabeer, Rottig, et al. (2022) Directing cyanobacterial photosynthe...
AS10 939	PsaC	PSI-C core subunit of photosystem I	34736069	Rogowski et al. (2021) Light as a substrate: migration of LHCI antennas in ex...
AS10 939	PsaC	PSI-C core subunit of photosystem I	31077001	Zhang et al. (2019). Proteomic responses to ocean acidification of the marine ...
AS10 939	PsaC	PSI-C core subunit of photosystem I		Lupette et al. (2019). The architecture of lipid droplets in the diatom Phaeod...
AS10 939	PsaC	PSI-C core subunit of photosystem I	30488561	Lima-Melo et al. (2019). Consequences of photosystem-I damage and repair on ph...
AS10 939	PsaC	PSI-C core subunit of photosystem I	30714903	Zavrel et al. (2019). Quantitative insights into the cyanobacterial cell econo...
AS10 939	PsaC	PSI-C core subunit of photosystem I	31409711	Levitan et al. (2019). Structural and functional analyses of photosystem II in...
AS10 939	PsaC	PSI-C core subunit of photosystem I	30254175	Steinbeck et al. (2018). Structure of a PSI-LHCI-cyt b6f supercomplex in Chla...
AS10 939	PsaC	PSI-C core subunit of photosystem I		Gonzaga Heredia-Martinez et al. (2018). Chloroplast damage induced by the inhi...
AS10 939	PsaC	PSI-C core subunit of photosystem I	29912468	Liu et al. (2018). Effects of PSII Manganese-Stabilizing Protein Succinylation...
AS10 939	PsaC	PSI-C core subunit of photosystem I	29437989	Du et al. (2018). Galactoglycerolipid Lipase PGD1 Is Involved in Thylakoid Mem...
AS10 939	PsaC	PSI-C core subunit of photosystem I	28644828	Cantrell and Peers (2017). A mutant of Chlamydomonas without LHCSR maintains h...
AS10 939	PsaC	PSI-C core subunit of photosystem I	28710587	Zang et al. (2017). Characterization of the sulfur-formation (suf) genes in Sy...
AS10 939	PsaC	PSI-C core subunit of photosystem I	28103400	Hu et al. (2017). The SUFBC2 D Complex is Required for the Biogenesis of All M...
AS10 939	PsaC	PSI-C core subunit of photosystem I		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS10 939	PsaC	PSI-C core subunit of photosystem I		Li et al. (2016). A Hard Day's Night: Diatoms Continue Recycling Photosystem I...
AS10 939	PsaC	PSI-C core subunit of photosystem I	26903622	Heinrich et al. (2016). Tetratricopeptide repeat protein protects photosyste...
AS10 939	PsaC	PSI-C core subunit of photosystem I	26059605	Rozpadek et al. (2015). The fungal endophyte Epichloë typhina improves photosy...
AS10 939	PsaC	PSI-C core subunit of photosystem I	20183922	Subramanyam et al. (2014). Structural and functional changes of PSI-LHCI super...
AS10 939	PsaC	PSI-C core subunit of photosystem I	24989042	Dang et al. (2014). Combined Increases in Mitochondrial Cooperation and Oxygen...
AS04 042P	PsaC	PSI-C core subunit of photosystem I (PsaC antibody + PsaC protein positive control)	31240258	Pralon et al. (2019). Plastoquinone homeostasis by Arabidopsis proton gradien...
AS04 042P	PsaC	PSI-C core subunit of photosystem I (PsaC antibody + PsaC protein positive control)	17587234	Oesterheld et al (2007). Regulation of photosynthesis in the unicellular acido...
AS04 042P	PsaC	PSI-C core subunit of photosystem I (PsaC antibody + PsaC protein positive control)	16244145	Ifuku et al. (2005). PsbP protein, but not PsbQ protein, is essential for the ...
AS09 461	PsaD	PSI-D subunit of photosystem I		Ivanov et al. (2022) The decreased PG content of pgp1 inhibits PSI photochemis...
AS09 461	PsaD	PSI-D subunit of photosystem I	35146632	Maeda et al. (2022). Characterization of photosystem II assembly complexes con...
AS09 461	PsaD	PSI-D subunit of photosystem I	35146632	Maeda et al. (2022). Characterization of photosystem II assembly complexes con...
AS09 461	PsaD	PSI-D subunit of photosystem I	35171295	Gao Y et al. (2022). Chloroplast translational regulation uncovers nonessentia...
AS09 461	PsaD	PSI-D subunit of photosystem I	35202657	Espinoza-Corral & Lundquist. (2022) The plastoglobule-localized protein AtABC1...
AS09 461	PsaD	PSI-D subunit of photosystem I	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS09 461	PsaD	PSI-D subunit of photosystem I	33416834	Aso et al. (2021). Unique peripheral antennas in the photosystems of the strep...
AS09 461	PsaD	PSI-D subunit of photosystem I	33629953	Pipitone et al. (2021). A multifaceted analysis reveals two distinct phases of...
AS09 461	PsaD	PSI-D subunit of photosystem I	33399873	Kamea et al. (2021). Substitution of deoxycholate with the amphiphilic polymer...
AS09 461	PsaD	PSI-D subunit of photosystem I		Chen et al. (2021) Degradation of the photosystem II core complex is independen...
AS09 461	PsaD	PSI-D subunit of photosystem I	34171145	Fattore et al. (2021). Acclimation of photosynthetic apparatus in the mesophil...
AS09 461	PsaD	PSI-D subunit of photosystem I	34607178	Fukura et al. (2021). Enrichment of chlorophyll catabolic enzymes in grana mar...
AS09 461	PsaD	PSI-D subunit of photosystem I		Storti et al. (2020). The activity of chloroplast NADH dehydrogenase-like comp...
AS09 461	PsaD	PSI-D subunit of photosystem I		Teubner et al. (2020). The chloroplast ribonucleoprotein CP33B quantitatively ...
AS09 461	PsaD	PSI-D subunit of photosystem I		Wang et al. (2020) Rerouting of ribosomal proteins into splicing in plant orga...

AS09 461	PsaD	PSI-D subunit of photosystem I	32275888	Tang et al. (2020). OsNSUN2-Mediated 5-Methylcytosine mRNA Modification Enhanc...
AS09 461	PsaD	PSI-D subunit of photosystem I		Furukawa et al. (2019). Formation of a PSI-PSII megacomplex containing LHCSR a...
AS09 461	PsaD	PSI-D subunit of photosystem I	31792148	Xu et al. (2019). VENOSA4, a Human dNTPase SAMHD1 Homolog, Contributes to Chlo...
AS09 461	PsaD	PSI-D subunit of photosystem I	31906067	Chen et al. (2019). Effects of Stripe Rust Infection on the Levels of Redox Ba...
AS09 461	PsaD	PSI-D subunit of photosystem I	30496624	Storti et al. (2018). Role of cyclic and pseudo-cyclic electron transport in r...
AS09 461	PsaD	PSI-D subunit of photosynthesis I	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS09 461	PsaD	PSI-D subunit of photosystem I	29982908	Nama et al. (2018). Non-photochemical quenching-dependent acclimation and thyl...
AS09 461	PsaD	PSI-D subunit of photosystem I		Gao et al. (2018). Effect of green light on the amount and activity of NDH-1-P...
AS09 461	PsaD	PSI-D subunit of photosystem I	29997239	Kong et al. (2018) Interorganelle Communication: Peroxisomal MALATE DEHYDROGEN...
AS09 461	PsaD	PSI-D subunit of photosystem I	30111841	Li et al. (2018). Modulating plant growth-metabolism coordination for sustaina...
AS09 461	PsaD	PSI-D subunit of photosystem I	29437989	Du et al. (2018). Galactoglycerolipid Lipase PGD1 Is Involved in Thylakoid Mem...
AS09 461	PsaD	PSI-D subunit of photosystem I	28575482	Merry et al. (2017). A comparison of pine and spruce in recovery from winter s...
AS09 461	PsaD	PSI-D subunit of photosystem I	28668777	Ge et al. (2017). Translating Divergent Environmental Stresses into a Common P...
AS09 461	PsaD	PSI-D subunit of photosystem I		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS09 461	PsaD	PSI-D subunit of photosystem I	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS09 461	PsaD	PSI-D subunit of photosystem I		Gerotto et al. (2016). Flavodiiron proteins act as safety valve for electrons ...
AS09 461	PsaD	PSI-D subunit of photosystem I	26903622	Heinzel et al. (2016). Tetratricopeptide repeat protein protects photosyste...
AS09 461	PsaD	PSI-D subunit of photosystem I	26644463	Fujii et al. (2015). Photoprotection vs Photoinhibition of Photosystem II in T...
AS09 461	PsaD	PSI-D subunit of photosystem I	25820628	Daddy et al. (2015). A novel high light-inducible carotenoid-binding protein c...
AS09 461	PsaD	PSI-D subunit of photosystem I	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS09 461	PsaD	PSI-D subunit of photosystem I	25214185	Qin et al. (2014). Isolation and characterization of a PSI-LHCI super-complex ...
AS09 461	PsaD	PSI-D subunit of photosystem I	25010795	Cheng and He (2014). PfsR Is a Key Regulator of Iron Homeostasis in Synechocys...
AS09 461	PsaD	PSI-D subunit of photosystem I	24872594	Tomizioli et al. (2014). Deciphering thylakoid sub-compartments using a mass s...
AS09 461	PsaD	PSI-D subunit of photosystem I	25451040	Armbruster et al. (2014). Ion antiport accelerates photosynthetic acclimation ...
AS08 324A	PsaE	PSI-E subunit of photosystem I (affinity purified)	32189186	Simakawa et al. (2020). Near-infrared in Vivo Measurements of Photosystem I an...
AS08 324A	PsaE	PSI-E subunit of photosystem I (affinity purified)	30111841	Li et al. (2018). Modulating plant growth-metabolism coordination for sustaina...
AS08 324A	PsaE	PSI-E subunit of photosystem I (affinity purified)	28636143	Yang et al. (2017). Tetratricopeptide repeat protein Ptg7 is essential for ph...
AS04 047	PsaE	PSI-E subunit of photosystem I (monocot)	27335455	Yoshida et al. (2016). Hisabori T1.Two distinct redox cascades cooperatively r...
AS04 047	PsaE	PSI-E subunit of photosystem I (monocot)	22353560	Ye et al. (2012). A Mutation of OSOTP 51 Leads to Impairment of Photosystem I ...
AS04 047	PsaE	PSI-E subunit of photosystem I (monocot)	22445751	Yadavalli et al. (2012). Differential degradation of photosystem I subunits un...
AS06 104	PsaF	PSI-F subunit of photosystem I (plant)	35202657	Espinoza-Corral & Lundquist. (2022) The plastoglobule-localized protein AtABC1...
AS06 104	PsaF	PSI-F subunit of photosystem I (plant)	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS06 104	PsaF	PSI-F subunit of photosystem I (plant)	30409856	Schmid et al. (2018). PUMPKIN, the sole Plastid UMP Kinase, Associates with Gr...
AS06 104	PsaF	PSI-F subunit of photosystem I (plant)	29951988	Patil et al. (2018). FZL is primarily localized to the inner chloroplast membr...
AS06 104	PsaF	PSI-F subunit of photosystem I (plant)	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS06 104	PsaF	PSI-F subunit of photosystem I (plant)	28515738	Kanazawa et al. (2017). Chloroplast ATP Synthase Modulation of the Thylakoid P...
AS06 104	PsaF	PSI-F subunit of photosystem I (plant)	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS06 104	PsaF	PSI-F subunit of photosystem I (plant)	25214185	Qin et al. (2014). Isolation and characterization of a PSI-LHCI super-complex ...
AS06 144	PsaG	PSI-G subunit of photosystem I, Chlamydomonas	29982908	Nama et al. (2018). Non-photochemical quenching-dependent acclimation and thyl...
AS06 105	PsaH	PSI-H subunit of photosystem I (plants)	28007557	Wang et al. (2017). The Phytol Phosphorylation Pathway Is Essential for the Bl...
AS06 105	PsaH	PSI-H subunit of photosystem I (plants)	28975583	Schwarz et al. (2017). Photosystem I-LHCII megacomplexes respond to high light...
AS06 105	PsaH	PSI-H subunit of photosystem I (plants)		Tiwari et al. (2016). Photodamage of iron-sulphur clusters in photosystem I in...
AS06 143	PsaH	PSI-H subunit of photosystem I, Chlamydomonas	29982908	Nama et al. (2018). Non-photochemical quenching-dependent acclimation and thyl...
AS06 143	PsaH	PSI-H subunit of photosystem I, Chlamydomonas		Winck (2011). Nuclear proteomics and transcription factor profiling. Dissertat...
AS04 049	PsaK	PSI-K subunit of photosystem I	22517411	Bock (2012). The plastid genome-encodedYcf4 protein functions as a non-essenti...
AS06 108	PsaL	PSI-L subunit of photosystem I		Wang et al. (2020). Post-translational coordination of chlorophyll biosynthesi...
AS06 108	PsaL	PSI-L subunit of photosystem I	31114631	Koh et al. (2019). Heterologous synthesis of chlorophyll b in Nannochloropsis ...
AS06 108	PsaL	PSI-L subunit of photosystem I	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS06 108	PsaL	PSI-L subunit of photosystem I		Sook Seok et al. (2013). AtFKBP16-1, a chloroplast luminal immunophilin, media...
AS06 108	PsaL	PSI-L subunit of photosystem I	22517411	Bock (2012). The plastid genome-encodedYcf4 protein functions as a non-essenti...
AS06 109	PsaN	PSI-N subunit of photosystem I	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS06 109	PsaN	PSI-N subunit of photosystem I	17331187	Hansson et al. (2007). Knock-out of the chloroplast encoded PSI-J Subunit of P...
AS04 050	PsaO	PSI-O subunit of photosystem I	15169790	Jensen et al. (2004) The PSI-O subunit of plant photosystem I is involved in b...

AS07 240	Psb29	Thylakoid membrane formation 1, THF1	26951433	Hamel et al. (2016). The chloroplastic protein THF1 interacts with the coiled-...
AS07 240	Psb29	Thylakoid membrane formation 1, THF1	23671330	Huang et al. (2013). Arabidopsis Thylakoid Formation 1 Is a Critical Regulator...
AS12 1852	PSB33	Rieske (2Fe-2S) domain-containing protein	29136458	Kato et al. (2017). Deficiency of the Stroma-Lamellar Protein LIL8/PSB33 Affec...
AS12 1852	PSB33	Rieske (2Fe-2S) domain-containing protein		#VÅRDEFEL!
AS12 1852	PSB33	Rieske (2Fe-2S) domain-containing protein	26552588	Dixit (2015). Sulfur alleviates arsenic toxicity by reducing its accumulation ...
AS12 1852	PSB33	Rieske (2Fe-2S) domain-containing protein		Fristedt et al. (2014). PSB33, a protein conserved in the plastid lineage, is ...
AS01 016S	PsbA	D1 protein of PSII positive control/quantitation standard	33629953	Pipitone et al. (2021). A multifaceted analysis reveals two distinct phases of...
AS01 016S	PsbA	D1 protein of PSII positive control/quantitation standard	32130730	Fernandez-Gonzalez et al. (2020). Effects of Temperature and Nutrient Supply ...
AS01 016S	PsbA	D1 protein of PSII positive control/quantitation standard	31409711	Levitan et al. (2019). Structural and functional analyses of photosystem II in...
AS01 016S	PsbA	D1 protein of PSII positive control/quantitation standard		Ryan-Keogh et al. (2018). Seasonal regulation of the coupling between photosyn...
AS01 016S	PsbA	D1 protein of PSII positive control/quantitation standard	29397992	Yuan et al. (2018). Combined effects of ocean acidification and warming on phy...
AS01 016S	PsbA	D1 protein of PSII positive control/quantitation standard		Li et al. (2016). A Hard Day's Night: Diatoms Continue Recycling Photosystem I...
AS01 016S	PsbA	D1 protein of PSII positive control/quantitation standard	25862645	Vandenhecke et al. (2015). Changes in the Rubisco to photosystem ratio dominat...
AS01 016S	PsbA	D1 protein of PSII positive control/quantitation standard		Wu et al. (2014). Large centric diatoms allocate more cellular nitrogen to pho...
AS01 016S	PsbA	D1 protein of PSII positive control/quantitation standard	25256155	Li et al. (2014). The nitrogen costs of photosynthesis in a diatom under curre...
AS05 084A	PsbA	D1 protein of PSII, C-terminal (affinity purified)	36678979	Minagawa, Dann. (2023) Extracellular CahB1 from Sodaline magerasimenkoe IPPAS...
AS05 084A	PsbA	D1 protein of PSII, C-terminal (affinity purified)	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS05 084A	PsbA	D1 protein of PSII, C-terminal (affinity purified)	34831107	Wada et al. (2021) Identification of a Novel Mutation Exacerbated the PSI Phot...
AS05 084A	PsbA	D1 protein of PSII, C-terminal (affinity purified)	29529561	Sorrentino et al. (2018). Performance of three cardoon cultivars in an industr...
AS05 084A	PsbA	D1 protein of PSII, C-terminal (affinity purified)	28515738	Kanazawa et al. (2017). Chloroplast ATP Synthase Modulation of the Thylakoid P...
AS05 084A	PsbA	D1 protein of PSII, C-terminal (affinity purified)		Li et al. (2016). A Hard Day's Night: Diatoms Continue Recycling Photosystem I...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)	35795173	Vitale et al.(2022) Manipulation of light quality is an effective tool to regu...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)	32161322	Toubiana et al. (2020). Correlation-based Network Analysis Combined With Machi...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)	30357676	Sicora et al. (2019). Regulation of PSII function in Cyanothecae sp. ATCC 51142...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)	31111929	Sevilla et al. (2019). Regulation by FurC in Anabaena links the oxidative stre...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)	30456613	Figlioli et al. (2019). Overall plant responses to Cd and Pb metal stress in m...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)	30631956	Krupinska et al. (2019). The nucleoid-associated protein WHIRLY1 is required f...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)	30357676	Sicora et al. (2018). Regulation of PSII function in Cyanothecae sp. ATCC 51142...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)		Lentini et al. (2018). Early responses to cadmium exposure in barley plants: e...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)		Gonzaga Heredia-Martinez et al. (2018). Chloroplast damage induced by the inhi...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)	29997239	Kong et al. (2018) Interorganelle Communication: Peroxisomal MALATE DEHYDROGEN...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)	29437989	Dy et al. (2018). Galactoglycerolipid Lipase PGD1 Is Involved in Thylakoid Mem...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)	29305728	Kim et al. (2018). The rice zebra3 (z3) mutation disrupts citrate distribution...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)	25809225	Yokono et al. (2015). A megacomplex composed of both photosystem reaction cent...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)		Su et al. (2014). Exogenous progesterone alleviates heat and high light stress...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)		Esparza et al. (2013). Katanin Localization Requires Triplet Microtubules in C...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)		Hoogenboom et al. (2012). Effects of Light, Food Availability and Temperature ...
AS01 016	PsbA	D1 protein of PSII, C-terminal (chicken)		Morash et al. (2007). Macromolecular dynamics of the photosynthetic system ove...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Wang et al. (2023) Regulation Mechanisms of Nitrogen-Doped Carbon Dots in Enha...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Ye et al. (2022) Effect of increased CO2 on iron-light-CO2 co-limitation of gr...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	34890847	Byeon et al. (2022) Canopy height affects the allocation of photosynthetic car...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Ivanov et al. (2022) The decreased PG content of pgg1 inhibits PSI photochemis...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	35202657	Espinoza-Corral & Lundquist. (2022) The plastoglobule-localized protein AtABC1...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Urban, Rogowski & Romanowska (2022). Crucial role of the PTOX and CET pathways...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	36166913	Zang , Xu, Yan & Wu (2022). Elevated CO2 modulates the physiological responses...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	35522034	Torrado, Connabeer, Rottig, et al. (2022) Directing cyanobacterial photosynthe...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Naschberger, Mosebach, Tobiasson, et al. (2022) Algal photosystem I dimer and ...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	36230991	Miernicka et al. (2022) The Adjustment Strategy of Venus Flytrap Photosyntheti...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	35715975	Harchouni et al. (2022) Guanosine tetraphosphate (ppGpp) accumulation inhibits...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Mlinarić et al. (2021). Antioxidative response and photosynthetic regulatory m...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	33629953	Pipitone et al. (2021). A multifaceted analysis reveals two distinct phases of...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	33759354	Sharma et al. (2021) Simultaneous knockout of multiple LHCF genes using single...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	33807496	Gu et al. (2021) A Lipid Bodies-Associated Galactosyl Hydrolase Is Involved in...

AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	34218480	Cecchin et al. (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Mursalimov et al. (2021) Chlorophyll deficiency delays but does not prevent m...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Chen, Liu & Liu (2021) Loss-Function of EGY1 Results in Photosynthesis Damage ...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	34685758	Cano-Ramirez et al. (2021) M. Plasma Membrane Fluidity: An Environment Thermal...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	34922341	Pavlovic & Kocab. (2021) Alternative oxidase (AOX) in the carnivorous pitche...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	31994740	Their et al. (2020). VIPP2 interacts with VIPP1 and HSP22E/F at chloroplast me...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	32066776	Kurmayer et al. (2020). Chemically labeled toxins or bioactive peptides show a...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	32330839	Khajuria et al. (2020). Photochemical Efficiency Is Negatively Correlated With...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	31322881	An et al. (2019). Protein cross-interactions for efficient photosynthesis in t...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	31249292	Dogra et al. (2019). Oxidative post-translational modification of EXECUTER1 is...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	31179502	Schober et al. (2019). Organelle Studies and Proteomic Analyses on Mitochondria...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	30606779	Lv et al. (2019). Uncoupled Expression of Nuclear and Plastid Photosynthesis-A...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Xu et al. (2019). Physiological response of the toxic and non-toxic strains of...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	31114631	Koh et al. (2019). Heterologous synthesis of chlorophyll b in Nannochloropsis ...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	30714903	Zavrel et al. (2019). Quantitative insights into the cyanobacterial cell econo...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	31409711	Levitan et al. (2019). Structural and functional analyses of photosystem II in...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	31784823	Rudenko et al. (2019). The role of carbonic anhydrase alfa-CA4 in the adaptive...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Hu et al. (2019). Photoprotection capacity of microalgae improved by regulatin...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	29803724	Giovanardi et al. (2018). In pea stipules a functional photosynthetic electron...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	29500749	Pao et al. (2018). Lamelloplasts and minichloroplasts in Begoniaceae: iridesce...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Muneer et al. (2018). Proteomic Analysis Reveals the Dynamic Role of Silicon I...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Gao et al. (2018). Global warming interacts with ocean acidification to alter ...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	28734933	Ananyev et al. (2017). Photosystem II-Cyclic Electron Flow Powers Exceptional ...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	28064178	Sharwood et al. (2017). Linking photosynthesis and leaf N allocation under fut...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	28194795	Míguez et al. (2017). Diversity of winter photoinhibitory responses: A case st...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	27990574	Romanowska et al. (2017). Differences in photosynthetic responses of NADP-ME t...
AS05 084	PsbA	D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS05 084A-HRP	PsbA	D1 protein of PSII, C-terminal, HRP-conjugated (40 µg)	32366017	Thurotte et al. (2020). DnaK3 Is Involved in Biogenesis and/or Maintenance of ...
AS10 704	PsbA	D1 protein of PSII, DE-loop		Calderon et al. (2023) Rubredoxin 1 promotes the proper folding of D1 and is n...
AS10 704	PsbA	D1 protein of PSII, DE-loop	35171295	Gao Y et al. (2022) Chloroplast translational regulation uncovers nonessential...
AS10 704	PsbA	D1 protein of PSII, DE-loop	35904136	Ermakova et al. (2022) Enhanced abundance and activity of the chloroplast ATP ...
AS10 704	PsbA	D1 protein of PSII, DE-loop	33514722	Lu et al. (2021). Role of an ancient light-harvesting protein of PSI in light ...
AS10 704	PsbA	D1 protein of PSII, DE-loop	34632500	Mazur et al. (2021) The SnRK2.10 kinase mitigates the adverse effects of salin...
AS10 704	PsbA	D1 protein of PSII, DE-loop	31935360	Rantala et al. (2020). PGR5 and NDH-1 systems do not function as protective el...
AS10 704	PsbA	D1 protein of PSII, DE-loop	32176335	Grieco et al. (2020). Adjustment of photosynthetic activity to drought and flu...
AS10 704	PsbA	D1 protein of PSII, DE-loop		Rantala and Tikkanen et al. (2018). Phosphorylation-induced lateral rearrangem...
AS10 704	PsbA	D1 protein of PSII, DE-loop	29367233	Wu et al. (2018). Control of Retrograde Signaling by Rapid Turnover of GENOMES...
AS10 704	PsbA	D1 protein of PSII, DE-loop	29880711	Liang et al. (2018). Thylakoid-Bound Polysomes and a Dynamin-Related Protein, ...
AS10 704	PsbA	D1 protein of PSII, DE-loop		Giovanardi et al. (2017). Higher packing of thylakoid complexes ensures a pres...
AS10 704	PsbA	D1 protein of PSII, DE-loop	28265052	Kale et al. (2017). Amino acid oxidation of the D1 and D2 proteins by oxygen r...
AS10 704	PsbA	D1 protein of PSII, DE-loop	27590049	Mazur et al. (2016). Overlapping toxic effect of long term thallium exposure o...
AS10 704	PsbA	D1 protein of PSII, DE-loop		Kowalewska et al. (2016). Three-dimensional visualization of the internal plas...
AS10 704	PsbA	D1 protein of PSII, DE-loop	26255788	Karlsson et al. (2015). The Arabidopsis thylakoid transporter PHT4;1 influence...
AS10 704	PsbA	D1 protein of PSII, DE-loop	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS10 704	PsbA	D1 protein of PSII, DE-loop	24449688	Malnoë et al. (2014). Thylakoid FtsH Protease Contributes to Photosystem II an...
AS10 704	PsbA	D1 protein of PSII, DE-loop		Sobrinho-Plata et al. (2014). Glutathione is a key antioxidant metabolite to co...
AS10 704	PsbA	D1 protein of PSII, DE-loop	23913686	Block et al. (2013). Functional Modeling Identifies Paralogous Solanescyl Diph...
AS10 704	PsbA	D1 protein of PSII, DE-loop	10339625	Spetea et al. (1999). GTP bound to chloroplast thylakoid membranes is required...
AS11 1786	PsbA	D1 protein of PSII, N-terminal	36320098	Vidal-Meireles, et al. (2023)The lifetime of the oxygen-evolving complex subun...
AS11 1786	PsbA	D1 protein of PSII, N-terminal	35899410	Neusius et al. (2022) Lysine acetylation regulates moonlighting activity of th...
AS11 1786	PsbA	D1 protein of PSII, N-terminal		Chen et al. (2021)Degradation of the photosystem II core complex is independen...
AS11 1786	PsbA	D1 protein of PSII, N-terminal	34607178	Fukura et al. (2021) Enrichment of chlorophyll catabolic enzymes in grana mar...
AS11 1786	PsbA	D1 protein of PSII, N-terminal	32423065	Terentyev (2020: The Main Structural and Functional Characteristics of Photosy...

AS11 1786	PsbA	D1 protein of PSII, N-terminal	31760664	Gorecka et al. (2019). Photosystem II 22kDa protein level a prerequisite for e...
AS11 1786	PsbA	D1 protein of PSII, N-terminal	29912468	Liu et al. (2018). Effects of PSII Manganese-Stabilizing Protein Succinylation...
AS11 1786	PsbA	D1 protein of PSII, N-terminal	28479323	Georg et al. (2017). Acclimation of Oxygenic Photosynthesis to Iron Starvation...
AS11 1786	PsbA	D1 protein of PSII, N-terminal	27344399	Perales-Vela et al. (2016). Streptomycin affects the growth and photochemical ...
AS11 1786	PsbA	D1 protein of PSII, N-terminal	24449688	Mainoè et al. (2014). Thylakoid FtsH Protease Contributes to Photosystem II an...
AS11 1786	PsbA	D1 protein of PSII, N-terminal		Sook Seok et al. (2013). AtFKBP16-1, a chloroplast luminal immunophilin, media...
AS13 2669	PsbA	D1 protein of PSII, phosphorylated	34632500	Mazur et al. (2021) The SnRK2.10 kinase mitigates the adverse effects of salin...
AS13 2669	PsbA	D1 protein of PSII, phosphorylated		Upadhyaya and Jagadeeshwar Rao (2019). Reciprocal regulation of photosynthesis...
AS13 2669	PsbA	D1 protein of PSII, phosphorylated		Xing et al. (2017). Deletion of CGLD1 Impairs PSII and Increases Singlet Oxyge...
AS13 2669	PsbA	D1 protein of PSII, phosphorylated		Li et al. (2015). Effect of hydrogen sulfide on D1 protein in wheat under drou...
AS04 038	PsbB	CP47 protein of PSII	36320098	Vidal-Meireles, et al. (2023)The lifetime of the oxygen-evolving complex subun...
AS04 038	PsbB	CP47 protein of PSII	35015206	Beckova et al. (2022). Photosystem II antenna modules CP43 and CP47 do not for...
AS04 038	PsbB	CP47 protein of PSII	5218444	Konert et al. (2022). High-light-inducible proteins HliA and HliB: pigment bind...
AS04 038	PsbB	CP47 protein of PSII	5378087	Guardini et al. (2022). Loss of a single chlorophyll in CP29 triggers re-organ...
AS04 038	PsbB	CP47 protein of PSII	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS04 038	PsbB	CP47 protein of PSII	36230991	Miernicka et al. (2022) The Adjustment Strategy of Venus Flytrap Photosynthesi...
AS04 038	PsbB	CP47 protein of PSII	33416834	Aso et al. (2021). Unique peripheral antennas in the photosystems of the strep...
AS04 038	PsbB	CP47 protein of PSII		Li et al. (2021). Physiological responses of Skeletonema costatum to the inter...
AS04 038	PsbB	CP47 protein of PSII	33399873	Kamea et al. (2021). Substitution of deoxycholate with the amphiphilic polymer...
AS04 038	PsbB	CP47 protein of PSII	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS04 038	PsbB	CP47 protein of PSII	31944575	Dong et al. (2020). Plastid ribosomal protein LPE2 is involved in photosynthes...
AS04 038	PsbB	CP47 protein of PSII	32170286	Trinugroho et al. (2020). Chlorophyll F Synthesis by a Super-Rogue Photosystem...
AS04 038	PsbB	CP47 protein of PSII		Furukawa et al. (2019). Formation of a PSI–PSII megacomplex containing LHCSR a...
AS04 038	PsbB	CP47 protein of PSII		Gonzaga Heredia-Martinez et al. (2018). Chloroplast damage induced by the inhi...
AS04 038	PsbB	CP47 protein of PSII	29951988	Patil et al. (2018). FZL is primarily localized to the inner chloroplast membr...
AS04 038	PsbB	CP47 protein of PSII		Bressan et al. (2018). Light harvesting complex I is essential for Photosystem...
AS04 038	PsbB	CP47 protein of PSII	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS04 038	PsbB	CP47 protein of PSII		Xing et al. (2017). Deletion of CGLD1 Impairs PSII and Increases Singlet Oxyge...
AS04 038	PsbB	CP47 protein of PSII		Blommaert et al. (2017). Contrasting NPQ dynamics and xanthophyll cycling in a...
AS04 038	PsbB	CP47 protein of PSII	28318016	Gandini et al. (2017). The transporter SynPAM71 is located in the plasma membr...
AS04 038	PsbB	CP47 protein of PSII	28103400	Hu et al. (2017). The SUFBC2 D Complex is Required for the Biogenesis of All M...
AS04 038	PsbB	CP47 protein of PSII	28180288	Schottler et al. (2017). The plastid-encoded PsaI subunit stabilizes photosyst...
AS04 038	PsbB	CP47 protein of PSII	27551957	Fan et al. (2016). Proteome Analyses Using iTRAQ Labeling Reveal Critical Mech...
AS04 038	PsbB	CP47 protein of PSII	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS04 038	PsbB	CP47 protein of PSII	25451040	Armbruster et al. (2014). Ion antiport accelerates photosynthetic acclimation ...
AS11 1787	PsbC	CP43 protein of PSII	35015206	Beckova et al. (2022). Photosystem II antenna modules CP43 and CP47 do not for...
AS11 1787	PsbC	CP43 protein of PSII	35820961	Cazzaniga et al. (2022). Engineering astaxanthin accumulation reduces photoinh...
AS11 1787	PsbC	CP43 protein of PSII	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS11 1787	PsbC	CP43 protein of PSII	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS11 1787	PsbC	CP43 protein of PSII	34623443	Okegawa et al (2021) Maintaining the Chloroplast Redox Balance Through the PGR...
AS11 1787	PsbC	CP43 protein of PSII	31911455	Sakuraba at al. (2020). Multilayered regulation of membrane-bound ONAC054 is e...
AS11 1787	PsbC	CP43 protein of PSII	31944575	Dong et al. (2020). Plastid ribosomal protein LPE2 is involved in photosynthes...
AS11 1787	PsbC	CP43 protein of PSII	31838674	Ma et al. (2020). Zinc toxicity alters the photosynthetic response of red alga...
AS11 1787	PsbC	CP43 protein of PSII	32170286	Trinugroho et al. (2020). Chlorophyll F Synthesis by a Super-Rogue Photosystem...
AS11 1787	PsbC	CP43 protein of PSII	32351534	Kobayashi et al. (2020). Relationship Between Glycerolipidsand Photosynthetic ...
AS11 1787	PsbC	CP43 protein of PSII		Furukawa et al. (2019). Formation of a PSI–PSII megacomplex containing LHCSR a...
AS11 1787	PsbC	CP43 protein of PSII	30962362	Tian et al. (2019). pH dependence, kinetics and light-harvesting regulation of...
AS11 1787	PsbC	CP43 protein of PSII	30886426	Li et al. (2019). A genome-wide algal mutant library and functional screen ide...
AS11 1787	PsbC	CP43 protein of PSII		Rogowski et al. (2019). Photosynthesis and organization of maize mesophyll and...
AS11 1787	PsbC	CP43 protein of PSII	30787178	Roth et al. (2019). Regulation of Oxygenic Photosynthesis during Trophic Trans...
AS11 1787	PsbC	CP43 protein of PSII	30409856	Schmid et al. (2018). PUMPKIN, the sole Plastid UMP Kinase, Associates with Gr...
AS11 1787	PsbC	CP43 protein of PSII	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS11 1787	PsbC	CP43 protein of PSII		Gonzaga Heredia-Martinez et al. (2018). Chloroplast damage induced by the inhi...

AS11 1787	PsbC	CP43 protein of PSII	29912468	Liu et al. (2018). Effects of PSII Manganese-Stabilizing Protein Succinylation...
AS11 1787	PsbC	CP43 protein of PSII	29803724	Giovanardi et al. (2018). In pea stipules a functional photosynthetic electron...
AS11 1787	PsbC	CP43 protein of PSII	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS11 1787	PsbC	CP43 protein of PSII		Chen et al. (2017). Comparison of Photosynthetic Characteristics and Antioxi...
AS11 1787	PsbC	CP43 protein of PSII	28318016	Gandini et al. (2017). The transporter SynPAM71 is located in the plasma membr...
AS11 1787	PsbC	CP43 protein of PSII		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS11 1787	PsbC	CP43 protein of PSII	28351910	Kurkela et al. (2017). Acclimation to High CO2 Requires the ω Subunit of the R...
AS11 1787	PsbC	CP43 protein of PSII	27335455	Yoshida et al. (2016). Hisabori T1.Two distinct redox cascades cooperatively r...
AS11 1787	PsbC	CP43 protein of PSII	27590049	Mazur et al. (2016). Overlapping toxic effect of long term thallium exposure o...
AS11 1787	PsbC	CP43 protein of PSII		Kowalewska et al. (2016). Three-dimensional visualization of the internal plas...
AS11 1787	PsbC	CP43 protein of PSII	26869136	Chen et al. (2016). Expression of holo-proteorhodopsin in Synechocystis sp. PC...
AS11 1787	PsbC	CP43 protein of PSII	25846821	Liu and Last (2015). A land plant-specific thylakoid membrane protein contribu...
AS11 1787	PsbC	CP43 protein of PSII	25809225	Yokono et al. (2015). A megacomplex composed of both photosystem reaction cent...
AS11 1787	PsbC	CP43 protein of PSII	23900844	Calderon et al. (2013). A Conserved Rubredoxin is Necessary for Photosystem II...
AS11 1787	PsbC	CP43 protein of PSII	23289852	Sakuraba et al. (2013). The green leaf locus encodes protochlorophyllide oxido...
AS11 1787	PsbC	CP43 protein of PSII	23298812	Wientjes et al (2013). LHClI is an antenna of both photosystems after long-ter...
AS06 146	PsbD	D2 protein of PSII	36378135	von Bismarck, et al (2023). Light acclimation interacts with thylakoid ion tra...
AS06 146	PsbD	D2 protein of PSII		Calderon et al. (2023) Rubredoxin 1 promotes the proper folding of D1 and is n...
AS06 146	PsbD	D2 protein of PSII		Burlacot et al. (2022) Alternative photosynthesis pathways drive the algal CO2...
AS06 146	PsbD	D2 protein of PSII	35738478	Bychkov et al. (2022) The role of PAP4/FSD3 and PAP9/FSD2 in heat stress respo...
AS06 146	PsbD	D2 protein of PSII	35146632	Maeda et al. (2022). Characterization of photosystem II assembly complexes con...
AS06 146	PsbD	D2 protein of PSII	35146632	Maeda et al. (2022). Characterization of photosystem II assembly complexes con...
AS06 146	PsbD	D2 protein of PSII	5241655	Joo et al. (2022) Sex-linked deubiquitinase establishes uniparental transmissi...
AS06 146	PsbD	D2 protein of PSII	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS06 146	PsbD	D2 protein of PSII	36166913	Zang , Xu, Yan & Wu (2022). Elevated CO2 modulates the physiological responses...
AS06 146	PsbD	D2 protein of PSII		Li et al. (2021). Physiological responses of Skeletonema costatum to the inter...
AS06 146	PsbD	D2 protein of PSII	33629953	Pipitone et al. (2021). A multifaceted analysis reveals two distinct phases of...
AS06 146	PsbD	D2 protein of PSII	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS06 146	PsbD	D2 protein of PSII		Chen, Liu & Liu (2021) Loss-Function of EGY1 Results in Photosynthesis Damage ...
AS06 146	PsbD	D2 protein of PSII	34685758	von Bismarck et al. (2021) Light acclimation interacts with thylakoid ion tran...
AS06 146	PsbD	D2 protein of PSII	34632500	Mazur et al. (2021) The SnRK2.10 kinase mitigates the adverse effects of salin...
AS06 146	PsbD	D2 protein of PSII	32041317	Swift et al. (2020). Functional Analysis of PSRP1, the Chloroplast Homolog of ...
AS06 146	PsbD	D2 protein of PSII		Wang et al. (2020) Rerouting of ribosomal proteins into splicing in plant orga...
AS06 146	PsbD	D2 protein of PSII	32055052	Amstutz et al. (2020). An atypical short-chain dehydrogenase–reductase functio...
AS06 146	PsbD	D2 protein of PSII	31240258	Pralon et al. (2019). Plastoquinone homeostasis by Arabidopsis proton gradien...
AS06 146	PsbD	D2 protein of PSII	31249292	Dogra et al. (2019). Oxidative post-translational modification of EXECUTER1 is is...
AS06 146	PsbD	D2 protein of PSII	30352303	Kumar et al. (2019). Organic radical imaging in plants: Focus on protein radic...
AS06 146	PsbD	D2 protein of PSII	30606779	Lv et al. (2019). Uncoupled Expression of Nuclear and Plastid Photosynthesis-A...
AS06 146	PsbD	D2 protein of PSII	30787178	Roth et al. (2019). Regulation of Oxygenic Photosynthesis during Tropic Trans...
AS06 146	PsbD	D2 protein of PSII	30631956	Krupinska et al. (2019). The nucleoid-associated protein WHIRLY1 is required f...
AS06 146	PsbD	D2 protein of PSII	31114631	Koh et al. (2019). Heterologous synthesis of chlorophyll b in Nannochloropsis ...
AS06 146	PsbD	D2 protein of PSII	30471153	Chen et al. (2018). Mg-dechelatae is involved in the formation of photosystem...
AS06 146	PsbD	D2 protein of PSII	30279334	Mao et al. (2018). Comparison on Photosynthesis and Antioxidant Defense System...
AS06 146	PsbD	D2 protein of PSII	29938315	Partensky et al. (2018). Comparison of photosynthetic performances of marine p...
AS06 146	PsbD	D2 protein of PSII	29852366	Danilova et al. (2018). Differential impact of heat stress on the expression o...
AS06 146	PsbD	D2 protein of PSII	29438089	Myouga et al. (2018). Stable accumulation of photosystem II requires ONE-HELIX...
AS06 146	PsbD	D2 protein of PSII	28874574	Kim et al. (2017). Effect of cell cycle arrest on intermediate metabolism in t...
AS06 146	PsbD	D2 protein of PSII	28644828	Cantrell and Peers (2017). A mutant of Chlamydomonas without LHCSR maintains h...
AS06 146	PsbD	D2 protein of PSII	28318016	Gandini et al. (2017). The transporter SynPAM71 is located in the plasma membr...
AS06 146	PsbD	D2 protein of PSII		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS06 146	PsbD	D2 protein of PSII	28180288	Schottler et al. (2017). The plastid-encoded Psal subunit stabilizes photosyst...
AS06 146	PsbD	D2 protein of PSII	27335455	Yoshida et al. (2016). Hisabori T1.Two distinct redox cascades cooperatively r...
AS06 146	PsbD	D2 protein of PSII	27590049	Mazur et al. (2016). Overlapping toxic effect of long term thallium exposure o...

AS06 146	PsbD D2 protein of PSII		Kowalewska et al. (2016). Three-dimensional visualization of the internal plas...
AS09 146S	PsbD D2 protein of PSII positive control/quantitation standard	29938315	Partensky et al. (2018). Comparison of photosynthetic performances of marine p...
AS09 146S	PsbD D2 protein of PSII positive control/quantitation standard		Li et al. (2016). A Hard Day's Night: Diatoms Continue Recycling Photosystem I...
AS09 146S	PsbD D2 protein of PSII positive control/quantitation standard	25256155	Li et al. (2014). The nitrogen costs of photosynthesis in a diatom under curre...
AS06 112	PsbE Alfa subunit of Cytochrome b559 of PSII	28213559	Hackett et al. (2017). An Organelle RNA Recognition Motif Protein Is Required ...
AS06 112	PsbE Alfa subunit of Cytochrome b559 of PSII		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS06 112	PsbE Alfa subunit of Cytochrome b559 of PSII	26887804	Nishimura et al. (2016). The N-terminal sequence of the extrinsic PsbP protein...
AS06 112	PsbE Alfa subunit of Cytochrome b559 of PSII	25843550	Grieco et al. (2015). Light-harvesting II antenna trimers connect energetical...
AS06 112	PsbE Alfa subunit of Cytochrome b559 of PSII	24963068	Hoika et al. (2014). Inducible repression of nuclear-encoded subunits of the c...
AS06 113	PsbF beta subunit of Cytochrome b559 of PSII	28213559	Hackett et al. (2017). An Organelle RNA Recognition Motif Protein Is Required ...
AS06 113	PsbF beta subunit of Cytochrome b559 of PSII		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS06 113	PsbF beta subunit of Cytochrome b559 of PSII	26887804	Nishimura et al. (2016). The N-terminal sequence of the extrinsic PsbP protein...
AS06 113	PsbF beta subunit of Cytochrome b559 of PSII	21282060	Lucinski et al. (2011). Involvement of Deg5 protease in wounding-related dispo...
AS06 113	PsbF beta subunit of Cytochrome b559 of PSII	19112079	Garcia-Cerdan et al. (2008). Antisense inhibition of the PsbX protein affects ...
AS06 157	PsbH Small subunit H of PSII	28213559	Hackett et al. (2017). An Organelle RNA Recognition Motif Protein Is Required ...
AS06 157	PsbH Small subunit H of PSII	25081859	Levey et al. (2014). Expression of a nuclear-encoded psbH gene complements the...
AS06 157	PsbH Small subunit H of PSII	19203960	Verhoeven et al. (2009). Seasonal changes in abundance and phosphorylation sta...
AS06 158	PsbI Small subunit I of PSII	28213559	Hackett et al. (2017). An Organelle RNA Recognition Motif Protein Is Required ...
AS10 692	PsbI Small subunit I of PSII (cyanobacterial)	17921338	Dobakova et al. (2007). Role of the PsbI Protein inPhotosystem II Assembly an...
AS14 2786	PsbN Potosystem II reaction center protein N	29880711	Liang et al. (2018). Thylakoid-Bound Polysomes and a Dynamn-Related Protein, ...
AS14 2786	PsbN Potosystem II reaction center protein N		Torabi et al. (2014). PsbN Is Required for Assembly of the Photosystem II Reac...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	34632500	Mazur et al. (2021) The SnRK2.10 kinase mitigates the adverse effects of salin...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	32161322	Toubiana et al. (2020). Correlation-based Network Analysis Combined With Machi...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	31622682	Wang et al. (2019). YR36/WKS1-mediated Phosphorylation of PsbO, an Extrinsic M...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	31322881	An et al. (2019). Protein cross-interactions for efficient photosynthesis in t...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	30516827	Rozpadek et al. (2018). Acclimation of the photosynthetic apparatus and altera...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)		Li et al. (2018). Comparative proteomic analysis of key proteins during abscis...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	27590049	Mazur et al. (2016). Overlapping toxic effect of long term thallium exposure o...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	26749480	Albanese et al.(2016). Isolation of novel PSII-LHCII megacomplexes from pea pl...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	25699590	Hu et al. (2015). Site-specific Nitrosoproteomic Identification of Endogenous...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	25835989	Fristedt et al. (2015). The thylakoid membrane protein CGL160 supports CF1CF0 ...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	24663344	Casanova-Saez et al. (2014). Arabidopsis ANGULATA10 is required for thylakoid ...
AS05 092	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-peptide)	23085838	Albus et al. (2012). LCAA, a novel factor required for Mg protoporphyrin monom...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	36320098	Vidal-Meireles, et al. (2023)The lifetime of the oxygen-evolving complex subun...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	35946785	Penzler et al. (2022) Commonalities and specialties in photosynthetic function...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	33975629	Loudya et al. (2021) Cellular and transcriptomic analyses reveal two-staged ch...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	32275888	Tang et al. (2020). OsNSUN2-Mediated 5-Methylcytosine mRNA Modification Enhanc...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	32423065	Terentyev (2020). The Main Structural and Functional Characteristics of Photosy...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)		Smythers et al. (2019). Characterizing the effect of Poast on Chlorella vulgar...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	30663054	Vojta and Fulgosi (2019). Topology of TROL protein in thylakoid membranes of A...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)		Da-Wei Yang et al. (2018). Genetically engineered hydrogenases promote biophot...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	29912468	Liu et al. (2018). Effects of PSII Manganese-Stabilizing Protein Succinylation...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	29511193	Glowacka et al. (2018). Photosystem II Subunit S overexpression increases the ...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	29437989	Du et al. (2018). Galactoglycerolipid Lipase PGD1 Is Involved in Thylakoid Mem...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	27760804	Sultan et al. (2017). The Reverse Transcriptase/RNA Maturase Protein MatR Is R...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)	28318016	Gandini et al. (2017). The transporter SynPAM71 is located in the plasma membr...
AS06 142-33	PsbO 33 kDa of the oxygen evolving complex (OEC) of PSII (anti-protein)		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS14 2824	PsbO1 33 kDa of the oxygen evolving complex (OEC) of PSII		Shanmugabalaji et al. (2018). Chloroplast Biogenesis Controlled by DELLA-TOC15...
AS14 2825	PsbO2 33 kDa of the oxygen evolving complex (OEC) of PSII	33629953	Pipitone et al. (2021). A multifaceted analysis reveals two distinct phases of...
AS14 2825	PsbO2 33 kDa of the oxygen evolving complex (OEC) of PSII		Pralon et al. (2019). Plastoquinone homeostasis by Arabidopsis proton gradien...
AS06 167	PsbP 23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-peptide)	34632500	Mazur et al. (2021) The SnRK2.10 kinase mitigates the adverse effects of salin...

AS06 167	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-peptide)	28183294	Tamburino et al. (2017). Chloroplast proteome response to drought stress and r...
AS06 167	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-peptide)	26901522	Pavlovic et al. (2016). Light-induced gradual activation of photosystem II in ...
AS06 167	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-peptide)	26749480	Albanese et al. (2016). Isolation of novel PSII-LHCII megacomplexes from pea p...
AS06 167	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-peptide)	23025280	Grassi et al. (2012). Early events in plastid protein degradation in stay-gree...
AS06 167	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-peptide)	20960201	Lang et al. (2011). Simultaneous isolation of pure and intact chloroplasts and ...
AS06 142-23	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-protein)	36320098	Vidal-Meireles, et al. (2023) The lifetime of the oxygen-evolving complex subun...
AS06 142-23	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-protein)	35115512	Lim et al (2022). Arabidopsis guard cell chloroplasts import cytosolic ATP for...
AS06 142-23	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-protein)	35115512	Lim et al (2022) Arabidopsis guard cell chloroplasts import cytosolic ATP for ...
AS06 142-23	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-protein)	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS06 142-23	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-protein)	32853383	Jiang et al. (2020). Plastid chaperone HSP90C guides precursor proteins to the...
AS06 142-23	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-protein)	29982908	Nama et al. (2018). Non-photochemical quenching-dependent acclimation and thyl...
AS06 142-23	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-protein)		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS06 142-23	PsbP	23 kDa protein of the oxygen evolving complex (OEC) of PSII (anti-protein)	18660805	Wang et al. (2008). Beta-lactone probes identify a papain-like peptide ligase ...
AS10 682	PsbP-like protein (sl11418)	cyanobacterial	28318016	Gandini et al. (2017). The transporter SynPAM71 is located in the plasma membr...
AS10 682	PsbP-like protein (sl11418)	cyanobacterial	17516145	Sveshnikov et al. (2007) The PsbP-like protein (sl11418) of Synechocystis sp. ...
AS10 682	PsbP-like protein (sl11418)	cyanobacterial	16049783	Ishikawa et al. . (2005) Functional analysis of the PsbP-like protein (sl11418...
AS06 142-16	PsbQ	16 kDa protein of the oxygen evolving complex (OEC) of PSII		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS06 142-16	PsbQ	16 kDa protein of the oxygen evolving complex (OEC) of PSII	28183294	Tamburino et al. (2017). Chloroplast proteome response to drought stress and r...
AS06 142-16	PsbQ	16 kDa protein of the oxygen evolving complex (OEC) of PSII	26901522	Pavlovic et al. (2016). Light-induced gradual activation of photosystem II in ...
AS06 142-16	PsbQ	16 kDa protein of the oxygen evolving complex (OEC) of PSII	26749480	Albanese et al. (2016). Isolation of novel PSII-LHCII megacomplexes from pea p...
AS06 142-16	PsbQ	16 kDa protein of the oxygen evolving complex (OEC) of PSII	23025280	Grassi et al. (2012). Early events in plastid protein degradation in stay-gree...
AS05 059	PsbR	10 kDa protein of PSII		Yang-Er Chen et al. (2017). Responses of photosystem II and antioxidative syst...
AS05 059	PsbR	10 kDa protein of PSII	27164981	Shen et al. (2016). The existence of C4-bundle-sheath-like photosynthesis in t...
AS05 059	PsbR	10 kDa protein of PSII	26749480	Albanese et al. (2016). Isolation of novel PSII-LHCII megacomplexes from pea p...
AS05 059	PsbR	10 kDa protein of PSII	26552588	Dixit (2015). Sulfur alleviates arsenic toxicity by reducing its accumulation ...
AS05 059	PsbR	10 kDa protein of PSII	24914208	Ido et al. (2014). Cross-Linking Evidence for Multiple Interactions of the Psb...
AS03 032	PsbS	22 kDa Lhc-like PSII protein (chicken)	25451040	Armbruster et al. (2014). Ion antiport accelerates photosynthetic acclimation ...
AS03 032	PsbS	22 kDa Lhc-like PSII protein (chicken)		Hubbart et al. (2012). The photoprotective protein PsbS exerts control over CO...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	32317747	Barbato et al. (2020). Higher Order Photoprotection Mutants Reveal the Importa...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	32853383	Jiang et al. (2020). Plastid chaperone HSP90C guides precursor proteins to the...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	30578537	Nikkanen et al. (2018). Multilevel regulation of non-photochemical quenching a...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	29633289	Chen et al. (2018). Exogenous melatonin enhances salt stress tolerance in maiz...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	29511193	Glowacka et al. (2018). Photosystem II Subunit S overexpression increases the ...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	29460179	Giovagnetti et al. (2018). A siphonous morphology affects light-harvesting mod...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)		Chen et al. (2017). Comparison of Photosynthetic Characteristics and Antioxida...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	28575482	Merry et al. (2017). A comparison of pine and spruce in recovery from winter s...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)		Krishnan et al. (2017). Large-scale in vitro production, refolding and dimeriz...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	28194795	Míguez et al. (2017). Diversity of winter photoinhibitory responses: A case st...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	27335455	Yoshida et al. (2016). Hisabori T1. Two distinct redox cascades cooperatively r...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	27390892	Poudyal et al. (2016). Production of superoxide from photosystem II-light harv...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	27497446	Ishikawa et al. (2016). NDH-Mediated Cyclic Electron Flow Around Photosystem I...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	26901522	Pavlovic et al. (2016). Light-induced gradual activation of photosystem II in ...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	26255788	Karlsson et al. (2015). The Arabidopsis thylakoid transporter PHT4;1 influence...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	26032897	Dahal et al. (2015). Improved photosynthetic performance during severe drought...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	25737144	Belgio et al. (2015). Light harvesting superstructures of green plant chloropl...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	24043709	Lintala et al. (2013). Arabidopsis tic62 trol mutant lacking thylakoid bound f...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	23563498	Zienkiewicz et al. (2013). Light intensity and quality stimulated Deg1-dependen...
AS09 533	PsbS	22 kDa Lhc-like PSII protein (rabbit antibody)	23085838	Albus et al. (2012). LCAA, a novel factor required for Mg protoporphyrin monom...
AS06 171	PsbTn	Tn protein of PSII	30538167	Chen et al. (2019). The Low Molecular Mass Photosystem II Protein PsbTn is Im...
AS05 060	PsbW	Small subunit W of PSII	28213559	Hackett et al. (2017). An Organelle RNA Recognition Motif Protein Is Required ...
AS05 066	PsbX	small subunit X of PSII	28213559	Hackett et al. (2017). An Organelle RNA Recognition Motif Protein Is Required ...
AS06 114	PsbY	Small subunit Y of PSII	27220875	Von Sydow et al. (2016). The PsbY protein of Arabidopsis Photosystem II is imp...
IMS01-133-332		Pseudomonas aeruginosa	17581799	Nilsson et al. (2007). Pseudomonas aeruginosa infections are prevented in cyst...

AS16 3991	PSY Phytoene synthase	32422487	Cerdea et al. (2020). Functional characterisation and in silico modelling of Md...
AS16 3692	PTOX Plastid terminal oxidase		Urban, Rogowski & Romanowska (2022). Crucial role of the PTOX and CET pathways...
AS16 3692	PTOX Plastid terminal oxidase	32060533	Bolte et al. (2020). Dynamics of the localization of the plastid terminal oxid...
AS16 3692	PTOX Plastid terminal oxidase		Pralon et al. (2020). Mutation of the Atypical Kinase ABC1K3 Partially Rescues...
AS16 3692	PTOX Plastid terminal oxidase		Cournac et al. (2000b). Flexibility in photosynthetic electron transport: a ne...
AS16 3692	PTOX Plastid terminal oxidase		Cournac et al. (2000a). Electron flow between photosystem II and oxygen in chl...
AS16 3692	PTOX Plastid terminal oxidase		Josse et al. (2000). A Plastid Terminal Oxidase Associated with Carotenoid Des...
AS10 705	P-Tyr Phosphotyrosine (clone G104)	9920935	Garton & Tonks (1999). Regulation of fibroblast motility by the protein tyrosi...
AS10 705	P-Tyr Phosphotyrosine (clone G104)	10488121	Tiganis et al. (1999). The protein-tyrosine phosphatase TCTP regulates epider...
AS10 705	P-Tyr Phosphotyrosine (clone G104)	8887669	Garton et al. (1996). Identification of p130(cas) as a substrate for the cytos...
AS20 4410	PYK10 Beta-Galactosidase (C-terminal)	12581307	Matsushima et al. (2003). A novel ER-derived compartment, the ER body, selecti...
AS20 4409	PYK10 Beta-Galactosidase (internal) (ER marker, immunolocalisation)	23166355	Yamada et al. (2013). Identification of Two Novel Endoplasmic Reticulum Body-S...
AS20 4409	PYK10 Beta-Galactosidase (internal) (ER marker, immunolocalisation)	15919674	Nagano et al. (2005). Activation of an ER-body-localized Beta-Glucosidase via ...
AS20 4409	PYK10 Beta-Galactosidase (internal) (ER marker, immunolocalisation)	12581307	Matshushima et al. (2003). A novel ER-derived compartment, the ER body, select...
AS13 2634	PYR1 Abscisic acid receptor RCAR11		Barghetti et al. (2017). Heat-shock protein 40 is the key farnesylation target...
AS10 700	RA Rubisco activase	5195009	Thagun et al. (2022) Non-transgenic Gene Modulation via Spray Delivery of Nucl...
AS10 700	RA Rubisco activase	35669705	Cao et al. (2022) Autophagic pathway contributes to low-nitrogen tolerance by ...
AS10 700	RA Rubisco activase	33498879	Amiya et al. (2021) Membrane DnaJ-Like Chaperone with Oxidizing Activity in Ch...
AS10 700	RA Rubisco activase	33674706	Oikawa et al. (2021) Mitochondrial movement during its association with chloro...
AS10 700	RA Rubisco activase	34523687	Wang et al. (2021) Insights Into the Gene Regulation in Jasmonate-Induced Whol...
AS10 700	RA Rubisco activase	34580802	Trojak et al. (2021) Effects of partial replacement of red by green light in t...
AS10 700	RA Rubisco activase	34907017	Yokochi et al.(2021) Oxidative regulation of chloroplast enzymes by thioredoxi...
AS10 700	RA Rubisco activase	32120887	Suganami et al. (2020). Effects of Overproduction of Rubisco Activase on Rubis...
AS10 700	RA Rubisco activase	30287949	Saless-Smith et al. (2018). Overexpression of Rubisco subunits with RAF1 incr...
AS10 700	RA Rubisco activase	30104347	Yoshida et al. (2018). Thioredoxin-like2/2-Cys peroxiredoxin redox cascade sup...
AS10 700	RA Rubisco activase		Wei et al. (2017). Enhancing photosynthetic biomass productivity of industrial...
AS10 700	RA Rubisco activase	28183294	Tamburino et al. (2017). Chloroplast proteome response to drought stress and r...
AS10 700	RA Rubisco activase	27236431	Yin et al. (2016). Interplay between mitogen-activated protein kinase and nitr...
AS10 700	RA Rubisco activase	25699590	Hu et al. (2015). Site-specific Nitrosoproteomic Identification of Endogenous...
AS10 700	RA Rubisco activase	25577732	Jurczyk et al. (2015). Evidence for alternative splicing mechanisms in meadow ...
AS10 700	RA Rubisco activase		Jedmowski et al. (2014). Comparative analysis of drought stress effects on pho...
AS10 700	RA Rubisco activase	24510763	Yin et al. (2014). Characterization of Rubisco activase genes in maize: an alf...
AS10 700	RA Rubisco activase	24961163	Wiclarz et al. (2014). Enhanced chloroplastic generation of H2 O2 in stress-re...
AS10 700	RA Rubisco activase	24349468	Chen et al. (2013). Physiological Mechanisms for High Salt Tolerance in Wild S...
AS10 1489	Rabbit anti-Chicken IgY (H&L), HRP conjugated		Li et al. (2022). The effects of Ni availability on H2 production and N2 fixat...
AS10 1489	Rabbit anti-Chicken IgY (H&L), HRP conjugated	29321318	Panayiotou et al. (2018). Viperin restricts Zika virus and tick-borne encephal...
AS09 605	Rabbit anti-Goat IgG (H&L), HRP conjugated	29103938	Sinclair et al. (2017) Etiolated Seedling Development Requires Repression of P...
AS10 1495	Rabbit anti-Guinea pig IgG (H&L), FITC conjugated		Sergey Mursalimov et al. (2022) Cytomixis in wheat male meiosis: influence ana...
AS10 1496	Rabbit anti-Guinea pig IgG (H&L), HRP conjugated	36650210	Hoernstein et al. (2023) A deeply conserved protease, acylamino acid-releasing...
AS10 1514	Rabbit anti-Llama IgG (H&L), ALP conjugated	31705137	Alharbi et al. (2019). Humoral Immunogenicity and Efficacy of a Single Dose of ...
AS10 1514	Rabbit anti-Llama IgG (H&L), ALP conjugated	31705137	Alharbi et al. (2019). Humoral Immunogenicity and Efficacy of a Single Dose of ...
AS09 627	Rabbit anti-Mouse IgG (H&L), HRP conjugated	34204867	Vitale et al. (2021) Light Spectral Composition Influences Structural and Eco-...
AS09 627	Rabbit anti-Mouse IgG (H&L), HRP conjugated		Bui et al. (2020). Differential submergence tolerance between juvenile and adu...
AS09 627	Rabbit anti-Mouse IgG (H&L), HRP conjugated	31064871	Koch et al. (2019). Heat stress directly impairs gut integrity and recruits di...
AS10 1523	Rabbit anti-Rat IgG (H&L), FITC conjugated	29800274	Kolbert et al. (2018). Nitro-oxidative stress correlates with Se tolerance of ...
AS10 1524	Rabbit anti-Rat IgG (H&L), HRP conjugated		Quian et al. (2015). Bone Marrow-Derived Mesenchymal Stem Cells Repair Necroti...
AS11 1810	RACK1A Receptor for activated C kinase 1A		Hemayet et al. (2019). Host targeted antiviral (HTA): functional inhibitor com...
AS11 1810	RACK1A Receptor for activated C kinase 1A	24892798	Vera-Estrella et al. (2014). Comparative 2D-DIGE analysis of salinity responsi...
AS11 1810	RACK1A Receptor for activated C kinase 1A	23941160	Speth et al. (2013). RACK1 scaffold proteins influence miRNA abundance in Arab...
AS21 4554	Rad22 DNA repair and recombination protein rad22 (Saccharomyces pombe)	8765156	Lehmann (1996). Molecular biology of DNA repair in the fission yeast Schizosac...
AS19 4270	RAD23b Rad23 UV excision repair protein family		Farmer et al. (2010). The RAD23 family provides an essential connection betwee...
AS19 4271	RAD23c Ubiquitin receptor RAD23c		Farmer et al. (2010). The RAD23 family provides an essential connection betwee...
AS21 4549	RAD51 DNA repair protein RAD51 (Saccharomyces cerevisiae) (ChIP grade)	29777105	Muramoto et al. (2018) Phenotypic diversification by enhanced genome restructu...

AS21 4549	RAD51 DNA repair protein RAD51 (<i>Saccharomyces cerevisiae</i>) (ChIP grade)	22343724	Ribeyre & Shore (2012). Anticheckpoint pathways at telomeres in yeast. Nat Str...
AS13 2729	RAF2 Rubisco accumulation factor 2		Fristedt et al. (2018). RAF2 is a RuBisCO assembly factor in Arabidopsis thall...
AS13 2729	RAF2 Rubisco accumulation factor 2		Aigner et al. (2017). Plant RuBisCo assembly in E. coli with five chloroplast ...
AS10 716	Ramy 3D Alpha-amylase isozyme 3D	29495079	Ye et al. (2018). Natural variation in the promoter of rice calcineurin B-like...
AS10 716	Ramy 3D Alpha-amylase isozyme 3D		Ho et al. (2017). A calcineurin B-like protein participates in low oxygen sig...
AS10 923	Rat Ig fraction	31974601	Cao et al. (2020). BAFf is involved in the pathogenesis of IgA nephropathy by ...
AS03 037A	Rbcl Rubisco large subunit, form I (affinity purified)		He, Buren, Baysal, et al. (2022) Nitrogenase Cofactor Maturase NifB Isolated f...
AS03 037A	Rbcl Rubisco large subunit, form I (affinity purified)		Cui, Liu, Li, et al. (2022) The cellulose--lignin balance affects the twisted ...
AS03 037A	Rbcl Rubisco large subunit, form I (affinity purified)		Li et al. (2021). Physiological responses of Skeletonema costatum to the inter...
AS03 037A	Rbcl Rubisco large subunit, form I (affinity purified)	29649442	Lal et al. (2018). The Receptor-like Cytoplasmic Kinase BIK1 Localizes to the ...
AS03 037A	Rbcl Rubisco large subunit, form I (affinity purified)		Korotaeva et al. (2018). Effect of Heat Hardening on Expression of Genes phb3 ...
AS03 037A	Rbcl Rubisco large subunit, form I (affinity purified)	28675462	Ye et al. (2017). EMB2738, which encodes a putative plastid-targeted GTP-bindin...
AS01 017	Rbcl Rubisco large subunit, form I (chicken)	34200971	Guljamow et al. (2021) Diel Variations of Extracellular Microcystin Influence ...
AS01 017	Rbcl Rubisco large subunit, form I (chicken)	30606779	Lv et al. (2019). Uncoupled Expression of Nuclear and Plastid Photosynthesis-A...
AS01 017	Rbcl Rubisco large subunit, form I (chicken)		Morin et al. (2019). Morin et al. (2019). Response of the sea-ice diatom Fragi...
AS01 017	Rbcl Rubisco large subunit, form I (chicken)	29730309	Gellert et al. (2018). A single point mutation on the cucumber mosaic virus su...
AS01 017	Rbcl Rubisco large subunit, form I (chicken)	26286859	Robert et al. (2015). Leaf proteome rebalancing in Nicotiana benthamiana for u...
AS01 017	Rbcl Rubisco large subunit, form I (chicken)		Morash et al. (2007). Macromolecular dynamics of the photosynthetic system ove...
AS01 017	Rbcl Rubisco large subunit, form I (chicken)		MacKenzie et al. (2005). Inorganic carbon acclimation in Synechococcus elongat...
AS01 017	Rbcl Rubisco large subunit, form I (chicken)		Schofield et al. (2003). Changes in macromolecular allocation in nondividings a...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	36320098	Vidal-Meireles, et al. (2023)The lifetime of the oxygen-evolving complex subun...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	36385703	Capo-Bauca et al. (2023). Carbon assimilation in upper subtidal macroalgae is ...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	36471570	Chen et al. (2023) Producing fast and active Rubisco in tobacco to enhance pho...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	36602111	Garcia et al. (2023) Effects of RuBisCO and CO2 concentration on cyanobacteria...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	36678979	Minagawa, Dann. (2023) Extracellular CahB1 from Sodaline magerasimenkoae IPPAS...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)		Kumar et al. (2022). Proteomic dissection of rice cytoskeleton reveals the dom...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)		Chen et al. (2022) ACS Synth. Biol. 2022, 11, 1, 154–161Publication Date:Octob...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)		Rathi et al.(2022) Dissection of grasspea (Lathyrus sativus L.) root exoproteo...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	35639749	Cabezas-Fuster et al. (2022). Missplicing suppressor alleles of Arabidopsis PR...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)		Burlacot et al. (2022) Alternative photosynthesis pathways drive the algal CO2...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	35738478	Bychkov et al. (2022) The role of PAP4/FSD3 and PAP9/FSD2 in heat stress respo...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	35669705	Cao et al. (2022) Autophagic pathway contributes to low-nitrogen tolerance by ...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	5417702	Li et al. (2022) The CDC48 complex mediates ubiquitin-dependent degradation of...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	35729266	Capo-Bauca et al. (2022) Correlative adaptation between Rubisco and CO2-concen...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	35868566	Rathi et al. (2022) Suspension cell secretome of the grain legume Lathyrus sat...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	35899410	Neusius et al. (2022) Lysine acetylation regulates moonlighting activity of th...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)		Takeshi Cerritos-Castro et a. (2022) Amaranth calcium oxalate crystals are ass...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	35795173	Vitale et al.(2022) Manipulation of light quality is an effective tool to regu...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	36166913	Zang , Xu, Yan & Wu (2022). Elevated CO2 modulates the physiological responses...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	35524766	Perera-Castro et al.(2022). Limitations to photosynthesis in bryophytes: certa...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)		Mlinaric et al. (2021). Antioxidative response and photosynthetic regulatory m...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	33518707	Li et al. (2021). Isolation and comparative proteomic analysis of mitochondria...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	33654102	Sun et al. (2021). A molecular switch in sulfur metabolism to reduce arsenic a...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	33764540	Curien et al. (2021) Mixotrophic growth of the extremophile galdieria sulphura...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	33941930	Cary et al. (2021) Field trial demonstrating phytoremediation of the military ...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	34218480	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Ch...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)		Bernau et al. (2021) Precision analysis for the determination of steric mass a...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	34204867	Vitale et al. (2021) Light Spectral Composition Influences Structural and Eco...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	34585156	Medina-Puche et al (2021). Protocol for evaluating protein relocalization from...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	34651379	Buck et al. (2021) Identification of sequence motifs in Lhcx proteins that co...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	34761071	Kedzior et al (2021) Quantification of RuBisCO Expression and Photosynthetic O...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)		Rakhmankulova et al. (2021) Possible Activation of C3 Photosynthesis in C4 Hal...
AS03 037	Rbcl Rubisco large subunit, form I (rabbit)	34632500	Mazur et al. (2021) The SnRK2.10 kinase mitigates the adverse effects of salin...

AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	34651379	Buck et al. (2021) Identification of sequence motifs in Lhcx proteins that con...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	34922341	Pavlovic & Kocob. (2021) Alternative oxidase (AOX) in the carnivorous pitche...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	32012309	Zhang et al. (2020). Hydrogen sulfide and rhizobia synergistically regulate ni...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	32066776	Kurmayer et al. (2020). Chemically labeled toxins or bioactive peptides show a...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	32330839	Khajuria et al. (2020). Photochemical Efficiency Is Negatively Correlated With...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	32169700	Wang et al. (2020). Effects and Mechanisms of Foliar Application of Silicon an...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	31341041	Saha et al. (2019). Dynamics of protein accumulation from the 3'end of viral R...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	31179502	Schober et al. (2019). Organelle Studies and Proteome Analyses on Mitochondria...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)		Lacour et al. (2019). Decoupling light harvesting, electron transport and carb...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)		Contreras et al. (2019). UV-B shock induces photoprotective flavonoids but not...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	30540969	Deng et al. (2019). Integrated proteome analyses of wheat glume and awn reveal...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	31519883	Buck et al. (2019). Lhcx proteins provide photoprotection via thermal dissipat...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	30714903	Zavrel et al. (2019). Quantitative insights into the cyanobacterial cell econo...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	29997239	Kong et al. (2018) Interorganelle Communication: Peroxisomal MALATE DEHYDROGEN...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	29500749	Pao et al. (2018). Lamelloplasts and minichloroplasts in Begoniaceae: iridesce...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	29692790	Deng et al. (2018). Comparative Proteome Analysis of Wheat Flag Leaves and Dev...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	29462927	Ravi et al. (2018). Separation Options for Phosphorylated Osteopontin from Tra...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	29367233	Wu et al. (2018). Control of Retrograde Signaling by Rapid Turnover of GENOMES...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)		Arena et al. (2017). Eco-physiological and Antioxidant Responses of Holm Oak (...)
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	28744300	Jespersen et al. (2017). Metabolic Effects of Acibenzolar-S-Methyl for Improvi...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	28403551	Neto et al. (2017). Cyclic electron flow, NPQ and photorespiration are crucial...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	27889522	Ribeiro et al. (2017). Increased sink strength offsets the inhibitory effect o...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	28359868	Baumgart et al. (2017). Heterologous expression of the Halothiobacillus neapol...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	28108864	Kolesinski et al. (2017). Is RAF1 protein from Synechocystis sp. PCC 6803 real...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	28874574	Kim et al. (2017). Effect of cell cycle arrest on intermediate metabolism in t...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	PMC4957871	Castiglia et al. (2016). High-level expression of thermostable cellulolytic en...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	26975701	Meng et al. (2016). Physiological and proteomic responses to salt stress in ch...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	26903622	Heinnickel et al. (2016). Tetratricopeptide repeat protein protects photosyste...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)		Young et al. (2015). Antarctic phytoplankton down-regulate their carbon-concen...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	25845583	Li at al. (2015). Salt stress response of membrane proteome of sugar beet mono...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	26186967	Krasuska et al. (2015). Switch from heterotrophy to autotrophy of apple cotyle...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	25676788	Janeczko et al. (2015). Disturbances in production of progesterone and their i...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	25041569	Kolesinski et al. (2014). Rubisco Accumulation Factor 1 from Thermosynechococc...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	25023630	Pandey and Pandey-Rai (2014). Modulations of physiological responses and possi...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	24516596	Liang et al. (2014). Cyanophycin mediates the accumulation and storage of fixe...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	24449387	Mayfield et al. (2014). Rubisco Expression in the Dinoflagellate Symbiodinium ...
AS03 037	RbcL	Rubisco large subunit, form I (rabbit)	25451040	Armbruster et al. (2014). Ion antiport accelerates photosynthetic acclimation ...
AS01 0175	RbcL	Rubisco positive control/quantitation standard	36385703	Capo-Bauca et al. (2023). Carbon assimilation in upper subtidal macroalgae is ...
AS01 0175	RbcL	Rubisco positive control/quantitation standard	35729266	Capo-Bauca et al. (2022) Correlative adaptation between Rubisco and CO2-concen...
AS01 0175	RbcL	Rubisco positive control/quantitation standard	35524766	Perera-Castro et al.(2022). Limitations to photosynthesis in bryophytes: certa...
AS01 0175	RbcL	Rubisco positive control/quantitation standard	30537600	Poor et al. (2018). Comparison of changes in water status and photosynthetic p...
AS01 0175	RbcL	Rubisco positive control/quantitation standard	30138616	Dai et al. (2018). Visualizing Individual RuBisCO and its Assembly into Carbox...
AS01 0175	RbcL	Rubisco positive control/quantitation standard	27566625	Li et al. (2016). Interactive effects of nitrogen and light on growth rates an...
AS01 0175	RbcL	Rubisco positive control/quantitation standard		Young et al. (2015). Antarctic phytoplankton down-regulate their carbon-concen...
AS01 0175	RbcL	Rubisco positive control/quantitation standard	25862645	Vandenhecke et al. (2015). Changes in the Rubisco to photosystem ratio dominat...
AS01 0175	RbcL	Rubisco positive control/quantitation standard		Wu et al. (2014). Large centric diatoms allocate more cellular nitrogen to pho...
AS01 0175	RbcL	Rubisco positive control/quantitation standard	25256155	Li et al. (2014). The nitrogen costs of photosynthesis in a diatom under curre...
AS15 2955S	RbcL II	Rubisco form II positive control/quantitation standard		Bausch et al. (2019). Combined effects of simulated acidification and hypoxia ...
AS15 2955	RbcL II	Rubisco large subunit, form II	36125987	Lacour, Lariviere, Ferland et al. (2022) Photoacclimation of the polar diatom ...
AS15 2955	RbcL II	Rubisco large subunit, form II		Cho et al. (2021). SxtA localizes to chloroplasts and changes to its 3'UTR may...
AS15 2955	RbcL II	Rubisco large subunit, form II		Bausch et al. (2019). Combined effects of simulated acidification and hypoxia ...
AS15 2955	RbcL II	Rubisco large subunit, form II		Long et al. (2018). Carboxysome encapsulation of the CO2-fixing enzyme Rubisco...
AS07 259	RbcS	Rubisco small subunit (SSU)	35115512	Lim et al (2022). Arabidopsis guard cell chloroplasts import cytosolic ATP for...

AS07 259	RbcS	Rubisco small subunit (SSU)		Bernau et al. (2021) Precision analysis for the determination of steric mass a...
AS07 259	RbcS	Rubisco small subunit (SSU)	34632500	Mazur et al. (2021) The SnRK2.10 kinase mitigates the adverse effects of salin...
AS07 259	RbcS	Rubisco small subunit (SSU)	31871206	Ma et al. (2020). An ortholog of the Vasa intronic gene is required for small ...
AS07 259	RbcS	Rubisco small subunit (SSU)	31555901	Akmouche et al. (2019). Do nitrogen- and sulphur-remobilization-related parame...
AS07 259	RbcS	Rubisco small subunit (SSU)	30484145	Karimzadegan et al. (2018). The Effect of Methyl Jasmonate and Temperature on ...
AS07 259	RbcS	Rubisco small subunit (SSU)	29941955	Luan et al. (2018). Elucidating the hypoxic stress response in barley (Hordeum...
AS07 259	RbcS	Rubisco small subunit (SSU)	30078560	Shanmugabalaaji et al. (2018). Chloroplast Biogenesis Controlled by DELLA-TOC15...
AS07 259	RbcS	Rubisco small subunit (SSU)	29462927	Ravi et al. (2018). Separation Options for Phosphorylated Osteopontin from Tra...
AS07 259	RbcS	Rubisco small subunit (SSU)	28572458	Hartings et al. (2017). The DnaJ-Like Zinc-Finger Protein HCF222 Is Required f...
AS07 259	RbcS	Rubisco small subunit (SSU)	27236431	Yin et al. (2016). Interplay between mitogen-activated protein kinase and nitr...
AS07 259	RbcS	Rubisco small subunit (SSU)	26032897	Robert et al. (2015). Leaf proteome rebalancing in Nicotiana benthamiana for u...
AS07 259	RbcS	Rubisco small subunit (SSU)	26032897	Dahal et al. (2015). Improved photosynthetic performance during severe drought...
AS07 259	RbcS	Rubisco small subunit (SSU)	26186967	Krasuska et al. (2015). Switch from heterotrophy to autotrophy of apple cotyle...
AS07 259	RbcS	Rubisco small subunit (SSU)		Huang et al. (2015). Rubisco accumulation is important for the greening of the...
AS07 259	RbcS	Rubisco small subunit (SSU)	25880450	Kim et al. (2015). Cytosolic targeting factor AKR2A captures chloroplast outer...
AS07 259	RbcS	Rubisco small subunit (SSU)		Sun et al. (2014). The response of rbcL, rbcS and rca genes in cucumber, (Cucu...
AS15 2962	RBOHD	Respiratory burst oxidase homolog protein D		Qi et al. (2023) . Overexpression of an Antioxidant Enzyme APX1 in cpr5 Mutant...
AS15 2962	RBOHD	Respiratory burst oxidase homolog protein D	34918346	Wang et al. (2021) Arabidopsis PUB2 and PUB4 connect signaling components of p...
AS15 2962	RBOHD	Respiratory burst oxidase homolog protein D	32296066	Lee et al. (2020). Regulation of reactive oxygen species during plant immunity...
AS15 2962	RBOHD	Respiratory burst oxidase homolog protein D		Jedelska et al. (2019). Tomato Root Growth Inhibition by Salinity and Cadmium ...
AS15 2962	RBOHD	Respiratory burst oxidase homolog protein D		Otulak-Koziel et al. (2019). The Respiratory Burst Oxidase Homolog D (RbohD) C...
AS14 2820	RBP40	38 kDa RNA-binding protein		Schwarz et al.. (2007). Synthesis of the D2 protein of photosystem II in Chlam...
AS11 1627	RBR1	Retinoblastoma related protein	31666236	Leviczky et al. (2019). E2FA and E2FB transcription factors coordinate cell pr...
AS11 1627	RBR1	Retinoblastoma related protein	28320736	Horvath et al. (2017). Arabidopsis RETINOBLASTOMA RELATED directly regulates D...
AS11 1627	RBR1	Retinoblastoma related protein	23647236	Cheng et al. (2013). Down-regulation of multiple CDK inhibitor ICK/KRP genes u...
AS11 1627	RBR1	Retinoblastoma related protein		abraham et al. (2011). Immunodetection of retinoblastoma-related protein and i...
AS21 4542P	RecA (protein, positive control)		28204854	Ishibashi, Oura S & Umemura (2017) Adsorption of DNA binding proteins to funct...
AS21 4542P	RecA (protein, positive control)		25612818	Oura et al. (2015) Biomolecular recognition ability of RecA proteins for DNA o...
AS07 214	RFA	Baker's yeast replication factor A	36729832	Pires, Lohner, Wagner, et al. (2023) RNA-DNA hybrids prevent resection at dysf...
AS07 214	RFA	Baker's yeast replication factor A	35086935	Scherzer et al. (2022). Recruitment of Scc2/4 to double-strand breaks depends o...
AS07 214	RFA	Baker's yeast replication factor A	36400763	Reusswig, et al. (2022) Unscheduled DNA replication in G1 causes genome instab...
AS07 214	RFA	Baker's yeast replication factor A	32259483	Minchell et al. (2020). Cohesin Causes Replicative DNA Damage by Trapping DNA ...
AS07 214	RFA	Baker's yeast replication factor A	30937455	He et. al (2019). KEOPS complex promotes homologous recombination via DNA rese...
AS07 214	RFA	Baker's yeast replication factor A	30673606	Jakobsen et al. (2019). Minimal Resection Takes Place during Break-Induced Rep...
AS07 214	RFA	Baker's yeast replication factor A	29033322	Deshpande et al. (2017). Structural Basis of Mec1-Ddc2-RPA Assembly and Activa...
AS07 214	RFA	Baker's yeast replication factor A	29215575	Chen et al. (2017). Dihydrocoumarin, an HDAC Inhibitor, Increases DNA Damage S...
AS07 214	RFA	Baker's yeast replication factor A	25739503	Yeeles et al. (2015). Regulated eukaryotic DNA replication origin firing with ...
AS07 214	RFA	Baker's yeast replication factor A	24835988	Holstein et al. (2014). Interplay between Nonsense-Mediated mRNA Decay and DNA...
AS07 214	RFA	Baker's yeast replication factor A	24608368	Deng et al. (2014). RPA antagonizes microhomology-mediated repair of DNA doubl...
AS07 214	RFA	Baker's yeast replication factor A	23376930	Bentensen et al. (2013). MRX protects fork integrity at protein-DNA barriers. ...
AS15 3028	RFP	Red Fluorescent Protein (clone RF5R)	33342031	Cecchini et al. (2020). Kinases and protein motifs required for AZ11 plastid I...
AS11 1630	RGA	DELLA protein RGA		Huang, Yang, & Li (2022) Unraveling the Dynamic Integration of Auxin, Brassino...
AS11 1630	RGA	DELLA protein RGA		Dong et al. (2021). An HB40 - Jungbrunnen1 - GA 2-OXIDASE regulatory module fo...
AS11 1630	RGA	DELLA protein RGA	32427421	Yan et al. (2020). FKF1 F-box Protein Promotes Flowering in Part by Negatively...
AS11 1630	RGA	DELLA protein RGA	31292642	Ferrero et al. (2019). Class I TCP transcription factors target the gibberelli...
AS11 1630	RGA	DELLA protein RGA	30386544	Lorrai et al. (2018). Abscisic acid inhibits hypocotyl elongation acting on gi...
AS11 1630	RGA	DELLA protein RGA	30149837	Chahtane et al. (2018). The plant pathogen Pseudomonas aeruginosa triggers a D...
AS11 1630	RGA	DELLA protein RGA		Shahnejat-Bushehri et al. (2016). Arabidopsis NAC transcription factor JUB1 re...
AS11 1630	RGA	DELLA protein RGA	25656233	Crocco et al. (2015). The transcriptional regulator BBX24 impairs DELLA activi...
AS11 1630	RGA	DELLA protein RGA	25103816	Leone et al. (2014). To grow or defend? Low red : far-red ratios reduce jasmon...
AS19 4329	RGA1	Guanine nucleotide-binding protein alpha-1 subunit (Oryza sativa)	30866160	Biswal, McConnell, Werth et al. (2019) The Nucleotide-Dependent Interactome of...
AS13 2714	RH3	RNA helicase (chloroplastic)	32344669	Bach-Pages et al. (2020). Discovering the RNA-Binding Proteome of Plant Leaves...
AS13 2714	RH3	RNA helicase (chloroplastic)		Asakura et al. (2012). Chloroplast RH3 DEAD box RNA helicases in maize and Ara...

AS16 3225	Rhamnogalacturonan-I / Arabinogalactan (clone CCRC-M7)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3225	Rhamnogalacturonan-I / Arabinogalactan (clone CCRC-M7)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3224	Rhamnogalacturonan-I backbone (clone CCRC-M35)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3224-1ml	Rhamnogalacturonan-I backbone (clone CCRC-M35)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3224	Rhamnogalacturonan-I backbone (clone CCRC-M35)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3224-1ml	Rhamnogalacturonan-I backbone (clone CCRC-M35)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3134	Rhamnogalacturonan-Ia (clone CCRC-M2)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3134	Rhamnogalacturonan-Ia (clone CCRC-M2)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3237	Rhamnogalacturonan-Ib (clone CCRC-M61)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3237	Rhamnogalacturonan-Ib (clone CCRC-M61)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3236	Rhamnogalacturonan-Ic (clone CCRC-M23)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3236	Rhamnogalacturonan-Ic (clone CCRC-M23)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS20 4417	RHD3 Protein Root Hair Defective 3 (N-terminal)	26684656	Ueda et al. (2016). Phosphorylation of the C Terminus of RHD3 Has a Critical R...
AS21 4553	Rhp51 DNA repair protein rhp51 (Saccharomyces pombe)	17304215	Akamatsu et al. (2007). Fission yeast Swi5/Sfr1 and Rhp55/Rhp57 differentially...
AS21 4553	Rhp51 DNA repair protein rhp51 (Saccharomyces pombe)	15935756	Lambert et al. (2005). Gross chromosomal rearrangements and elevated recombina...
AS21 4553	Rhp51 DNA repair protein rhp51 (Saccharomyces pombe)	14663140	Akamatsu et al. (2003). Two different Swi5-containing protein complexes are inv...
AS21 4553	Rhp51 DNA repair protein rhp51 (Saccharomyces pombe)	12930956	Kibe et al. (2003). Fission yeast Rhp51 is required for the maintenance of tel...
AS16 3639	Rnr1 Ribonucleoside-diphosphate reductase large subunit	32147528	Ros-Carrero et al. (2020). The yeast Aft1 transcription factor activates ribon...
AS16 3639	Rnr1 Ribonucleoside-diphosphate reductase large subunit		Corcoles-Saez et al. (2019). Functional link between mitochondria and Rnr3, th...
AS16 3639	Rnr1 Ribonucleoside-diphosphate reductase large subunit		Sampaio-Marques et al. (2019). alfa-Synuclein toxicity in yeast and human cell...
AS09 574	Rnr3 Ribonucleoside-diphosphate reductase large chain 2	34534458	Ajazi et al. (2021). Endosomal trafficking and DNA damage checkpoint kinases di...
AS09 574	Rnr3 Ribonucleoside-diphosphate reductase large chain 2	32187369	Cerritelli et al. (2020). High density of unrepaired genomic ribonucleotides l...
AS09 574	Rnr3 Ribonucleoside-diphosphate reductase large chain 2	30977294	Sampaio-Marques et al. (2019). alfa-Synuclein toxicity in yeast and human cell...
AS09 574	Rnr3 Ribonucleoside-diphosphate reductase large chain 2	31647103	Schmidt et al. (2019). Inactivation of folypolyglutamate synthetase Met7 resu...
AS09 574	Rnr3 Ribonucleoside-diphosphate reductase large chain 2		Lafuente-Barquero et al. (2017). The Smc5/6 complex regulates the yeast Mph1 h...
AS09 574	Rnr3 Ribonucleoside-diphosphate reductase large chain 2	28416670	Schmidt et al. (2017). Alterations in cellular metabolism triggered by URA7 or...
AS09 574	Rnr3 Ribonucleoside-diphosphate reductase large chain 2	28666126	Graf et al. (2017). Telomere Length Determines TERRA and R-Loop Regulation thr...
AS09 574	Rnr3 Ribonucleoside-diphosphate reductase large chain 2	28325498	Williams et al. (2017). The role of RNase H2 in processing ribonucleotides inc...
AS11 1804	RPB1 RNA polymerase II subunit B1	5346032	Barczak-Brzyzek et al. (2022). Plastid retrograde regulation of miRNA expressi...
AS11 1804	RPB1 RNA polymerase II subunit B1	36095196	Wang, Kong, Wang, et al. (2022). Uridylation and the SKI complex orchestrate th...
AS11 1804	RPB1 RNA polymerase II subunit B1	32816352	Wang et al. (2020). Close arrangement of CARK3 and PMEII affects ABA-mediated ...
AS11 1804	RPB1 RNA polymerase II subunit B1	30661982	Godoy Herz et al. (2019). Light Regulates Plant Alternative Splicing through t...
AS11 1804	RPB1 RNA polymerase II subunit B1	25568310	Dolata et al. (2015). NTR1 is required for transcription elongation checkpoint...
AS08 278	R-PC R-phycoerythrin	28351910	Kurkela et al. (2017). Acclimation to High CO2 Requires the ω Subunit of the R...
AS08 278	R-PC R-phycoerythrin	24476911	Gunnellus et al. (2014). The omega subunit of the RNA polymerase core directs ...
AS08 278	R-PC R-phycoerythrin	4407620	Gantt & Lipschultz (1974). Phycobilisomes of Porphyridium cruentum: Pigm...
AS11 1738	RPL1 50S ribosomal protein L1	30714903	Zavrel et al. (2019). Quantitative insights into the cyanobacterial cell econo...
AS11 1738	RPL1 50S ribosomal protein L1	29985458	Koskinen et al. (2018). Inactivation of group 2 sigma factors upregulates prod...
AS11 1738	RPL1 50S ribosomal protein L1	28351910	Kurkela et al. (2017). Acclimation to High CO2 Requires the ω Subunit of the R...
AS11 1738	RPL1 50S ribosomal protein L1	25060824	Linhartova et al. (2014). Accumulation of the Type IV prepilin triggers degrad...
AS15 2876	RPL2 Ribosomal protein L2 (chloroplastic)	35736138	Xiong et al. (2022). a chloroplast nucleoid protein of bacterial origin linking...
AS15 2876	RPL2 Ribosomal protein L2 (chloroplastic)		Wang et al. (2020). Rerouting of ribosomal proteins into splicing in plant orga...
AS15 2876	RPL2 Ribosomal protein L2 (chloroplastic)		Jeon et al. (2017). Functional characterization of chloroplast-targeted RbgA G...
AS12 2115	RPL37 Ribosomal protein L37 (cytoplasmic)	31871206	Ma et al. (2020). An ortholog of the Vasa intronic gene is required for small ...
AS12 2115	RPL37 Ribosomal protein L37 (cytoplasmic)		Gonzaga Heredia-Martinez et al. (2018). Chloroplast damage induced by the inhi...
AS12 2115	RPL37 Ribosomal protein L37 (cytoplasmic)		Couse et al. (2017). Autophagic flux is required for the synthesis of triacylg...
AS12 2115	RPL37 Ribosomal protein L37 (cytoplasmic)		Couse et al. (2017). Autophagic flux is required for the synthesis of triacylg...
AS12 2115	RPL37 Ribosomal protein L37 (cytoplasmic)		Ramundo et al. (2013). Repression of Essential Chloroplast Genes Reveals New S...
AS15 3076	RPL4 ribosomal protein L4 (chloroplastic)	32041317	Swift et al. (2020). Functional Analysis of PSRP1, the Chloroplast Homolog of ...
AS19 4266	RPN10 26S proteasome regulatory subunit RPN10	34536345	Huang et al. (2021). Parasitic modulation of host development by ubiquitin-inde...
AS19 4266	RPN10 26S proteasome regulatory subunit RPN10		van Nocker et al. (1996). Arabidopsis MBP1 gene encodes a conserved ubiquitin ...
AS19 4267	RPN11 26S proteasome regulatory subunit RPN11		Yang et al. (2004). Purification of the Arabidopsis 26 S proteasome: biochemi...
AS19 4268	RPN12a 26S proteasome regulatory subunit RPN12a		Smalle et al. (2002). Cytokinin growth responses in Arabidopsis involve the 26...

AS19 4264	RPN1a 26S proteasome regulatory subunit RPN1a	36331331	Meng, Wang, Hao, et al. (2023) RNA-binding protein MAC5A interacts with the 26...
AS19 4264	RPN1a 26S proteasome regulatory subunit RPN1a		Yang et al. (2004). Purification of the Arabidopsis 26 S proteasome: biochemic...
AS19 4265	RPN5a 26S proteasome regulatory subunit, putative (RPN5)		Smalle et al. (2002). Cytokinin growth responses in Arabidopsis involve the 26...
AS15 2832A	RPN6 26S proteasome non-ATPase regulatory subunit 9	36180574	Boussardou, Bag, Juvany, et al. (2022) The RPN12a proteasome subunit is essent...
AS15 2866	RpoA RNA polymerase alpha subunit (chloroplast)	33155308	Ji et al. (2020). A fully assembled PEP complex detected in etioplasts and pr...
AS15 2867	RpoB RNA polymerase beta subunit (chloroplast)	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS15 2867	RpoB RNA polymerase beta subunit (chloroplast)		Zhang et al. (2017). PDM3, a pentatricopeptide repeat-containing protein, affe...
AS08 309	RPS1 30S ribosomal protein S1	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS08 309	RPS1 30S ribosomal protein S1		Carrieri et al. (2021) Overexpression of NblA decreases phycobilisome content ...
AS08 309	RPS1 30S ribosomal protein S1	30714903	Zavrel et al. (2019). Quantitative insights into the cyanobacterial cell econo...
AS08 309	RPS1 30S ribosomal protein S1	29985458	Koskinen et al. (2018). Inactivation of group 2 sigma factors upregulates prod...
AS08 309	RPS1 30S ribosomal protein S1	28351910	Kurkela et al. (2017). Acclimation to High CO2 Requires the ω Subunit of the R...
AS08 309	RPS1 30S ribosomal protein S1		Plominsky et al. (2013). Dinitrogen Fixation Is Restricted to the Terminal Het...
AS08 309	RPS1 30S ribosomal protein S1	24043215	Carmel et al. (2013). Structural model, physiology and regulation of Slr0006 i...
AS15 2875	RPS1 Ribosomal protein S1 (chloroplastic)	32041317	Swift et al. (2020). Functional Analysis of PSRP1, the Chloroplast Homolog of ...
AS15 2875	RPS1 Ribosomal protein S1 (chloroplastic)	32041317	Swift et al. (2020). Functional Analysis of PSRP1, the Chloroplast Homolog of ...
AS15 2875	RPS1 Ribosomal protein S1 (chloroplastic)		Wang et al. (2020) Rerouting of ribosomal proteins into splicing in plant orga...
AS12 2114	RPS12 Ribosomal protein S12 (chloroplastic)		Wang et al. (2020) Rerouting of ribosomal proteins into splicing in plant orga...
AS12 2114	RPS12 Ribosomal protein S12 (chloroplastic)		Zoschke et al. (2016). The PPR-SMR protein PPR53 enhances the stability and tr...
AS12 2114	RPS12 Ribosomal protein S12 (chloroplastic)		Ramundo et al. (2013). Repression of Essential Chloroplast Genes Reveals New S...
AS12 2111	RPS14 40S ribosomal protein S14-1	31871206	Ma et al. (2020). An ortholog of the Vasa intronic gene is required for small ...
AS12 2111	RPS14 40S ribosomal protein S14-1	31941669	Shinozaki et al. (2020). Autophagy Increases Zinc Bioavailability to Avoid Lig...
AS12 2111	RPS14 40S ribosomal protein S14-1	32674508	Pereira Firmino et al. (2020). Separation and Paired Proteome Profiling of Pla...
AS12 2111	RPS14 40S ribosomal protein S14-1		Wegener et al. (2019). Magnetic Tracking of Protein Synthesis in Microfluidic ...
AS12 2111	RPS14 40S ribosomal protein S14-1		Liu et al. (2018). Transcriptomics analyses reveal the molecular roadmap and l...
AS12 2111	RPS14 40S ribosomal protein S14-1		Linster et al. (2015). Downregulation of N-terminal acetylation triggers ABA-m...
AS15 3075	RPS5 Ribosomal protein S5 (chloroplastic)	35736138	Xiong et al. (2022) a chloroplast nucleoid protein of bacterial origin linking...
AS15 3075	RPS5 Ribosomal protein S5 (chloroplastic)		Schmid et al. (2018). PUMPKIN, the sole Plastid UMP Kinase, Associates with Gr...
AS15 2877	RPS7 Ribosomal protein S7 (chloroplastic)		Wang et al. (2020) Rerouting of ribosomal proteins into splicing in plant orga...
AS19 4262	RPT2a Regulatory particle triple-A ATPase subunit 2a	36331331	Meng, Wang, Hao, et al. (2023) RNA-binding protein MAC5A interacts with the 26...
AS19 4262	RPT2a Regulatory particle triple-A ATPase subunit 2a		Smalle et al. (2002). Cytokinin growth responses in Arabidopsis involve the 26...
AS19 4263	RPT4a 26S proteasome AAA-ATPase subunit RPT4a		Marshall et al. (2015). Autophagic Degradation of the 26S Proteasome Is Media...
AS07 218	Rubisco 557 kDa hexadecamer	31863668	Mihara et al. (2019). Thioredoxin targets are regulated in heterocysts of cyan...
AS09 409	Rubisco quantitation kit (Western blot)	31569530	Defez et al. (2019). Bacterial IAA-Delivery into Medicago Root Nodules Trigger...
AS09 409	Rubisco quantitation kit (Western blot)	29529561	Sorrentino et al. (2018). Performance of three cardoon cultivars in an industr...
AS09 409	Rubisco quantitation kit (Western blot)	25779463	Mota et al. (2015). Effects of heavy metals on Cyanothecce sp. CCY 0110 growth...
AS09 409	Rubisco quantitation kit (Western blot)	24277817	Thamatrakoln et al. (2013). Death-specific protein in a marine diatom regulate...
AS21 4543P	RuvA (protein, positive control)	16864792	Han et al. (2006). Direct observation of DNA rotation during branch migration ...
AS21 4543P	RuvA (protein, positive control)	1427081	Iwasaki et al. (1992) Escherichia coli RuvA and RuvB proteins specifically int...
AS21 4543	RuvA Holliday junction ATP-dependent DNA helicase	8882584	Shinagawa & Iwasaki (1996). Processing the holliday junction in homologous rec...
AS21 4543	RuvA Holliday junction ATP-dependent DNA helicase	1427081	Iwasaki et al. (1992) Escherichia coli RuvA and RuvB proteins specifically int...
AS21 4544	RuvB	8882584	Shinagawa & Iwasaki (1996). Processing the holliday junction in homologous rec...
AS21 4544	RuvB	1427081	Iwasaki et al. (1992) Escherichia coli RuvA and RuvB proteins specifically int...
AS21 4544P	RuvB (protein, positive control)	22356911	Mazina et al. (2012) Polarity and bypass of DNA heterology during branch migra...
AS21 4544P	RuvB (protein, positive control)	16864792	Han et al. (2006). Direct observation of DNA rotation during branch migration ...
AS21 4544P	RuvB (protein, positive control)	1427081	Iwasaki et al. (1992) Escherichia coli RuvA and RuvB proteins specifically int...
AS21 4545P	RuvC (protein, positive control)	8882584	Shinagawa & Iwasaki (1996). Processing the holliday junction in homologous rec...
AS21 4545P	RuvC (protein, positive control)	1661673	Iwasaki et al. (1991) Escherichia coli RuvC protein is an endonuclease that re...
AS21 4545	RuvC Holliday junction nuclease RuvC		Ichiyanagi et al. (1998). Mutational analysis on structure-function relationsh...
AS21 4545	RuvC Holliday junction nuclease RuvC	8882584	Shinagawa & Iwasaki (1996). Processing the holliday junction in homologous rec...
AS21 4545	RuvC Holliday junction nuclease RuvC	7638215	Saito et al (1995). Identification of four acidic amino acids that constitute ...
AS15 2973	S, Dylight® 550 conjugated	35202657	Espinoza-Corral & Lundquist. (2022) The plastoglobule-localized protein AtABC1...
AS15 3067	S10 Mitochondrial ribosomal small subunit protein S10		Kwaśniak et al. (2013). Silencing of nuclear RPS10 gene encoding mitochondrial...

AS15 3068	S4 Mitochondrial ribosomal small subunit protein S4	35864185	Gruttner et al. (2022) The P-type pentatricopeptide repeat protein DWEORG1 is ...
AS15 3068	S4 Mitochondrial ribosomal small subunit protein S4		Kolodziejczak et al. (2018). m-AAA Complexes Are Not Crucial for the Survival ...
AS15 3068	S4 Mitochondrial ribosomal small subunit protein S4		Kwaśniak et al. (2013). Silencing of nuclear RPS10 gene encoding mitochondrial...
AS01 019	S5a human 26S proteasome subunit		Lundgren et al. (2003). Use of RNA interference and complementation to study t...
AS12 1855	S6K1/2 Ribosomal S6 kinase 1/2	35145090	Linster et al. (2022). Cotranslational N-degron masking by acetylation promote...
AS12 1855	S6K1/2 Ribosomal S6 kinase 1/2	35385724	Jamsheer et al. (2022) A negative feedback loop of TOR signaling balances grow...
AS12 1855	S6K1/2 Ribosomal S6 kinase 1/2		Wang et al. (2022). FERONIA functions through Target of Rapamycin (TOR) to neg...
AS12 1855	S6K1/2 Ribosomal S6 kinase 1/2		Gonzalez-Lopez et al. (2021). Growth promotion in Arabidopsis thaliana by bact...
AS12 1855	S6K1/2 Ribosomal S6 kinase 1/2	34765910	Salazar-Diaz et al. (2021) TOR senses and regulates spermidine metabolism duri...
AS12 1855	S6K1/2 Ribosomal S6 kinase 1/2	34902186	Angelos & Brandizzi (2021). The UPR regulator IRE1 promotes balanced organ dev...
AS12 1855	S6K1/2 Ribosomal S6 kinase 1/2	32905584	Kazibwe et al. (2020). TOR mediates the autophagy response to altered nucleoti...
AS12 1855	S6K1/2 Ribosomal S6 kinase 1/2	30098100	Dong et al. (2019). The Arabidopsis THADA homologue modulates TOR activity and...
AS12 1855	S6K1/2 Ribosomal S6 kinase 1/2	29734044	Inaba and Nagy (2018). Tombusvirus RNA replication depends on the TOR pathway ...
AS12 1855	S6K1/2 Ribosomal S6 kinase 1/2	27400267	Pfeiffer et al. (2016). Integration of light and metabolic signals for stem ce...
AS13 2664	S6K1-2 Ribosomal-protein S6 kinase homolog 1,2 - phosphorylated	35494253	Primo et al (2022). Plasma membrane H⁺-ATPases promote TORC1 activation in pla...
AS13 2664	S6K1-2 Ribosomal-protein S6 kinase homolog 1,2 - phosphorylated		Wang et al. (2022). FERONIA functions through Target of Rapamycin (TOR) to neg...
AS13 2664	S6K1-2 Ribosomal-protein S6 kinase homolog 1,2 - phosphorylated	36028982	Yu, Zhong, Ma, et al. (2022) Sulfate-TOR signaling controls transcriptional re...
AS13 2664	S6K1-2 Ribosomal-protein S6 kinase homolog 1,2 - phosphorylated		Gonzalez-Lopez et al. (2021). Growth promotion in Arabidopsis thaliana by bact...
AS13 2664	S6K1-2 Ribosomal-protein S6 kinase homolog 1,2 - phosphorylated	32905584	Kazibwe et al. (2020). TOR mediates the autophagy response to altered nucleoti...
AS13 2664	S6K1-2 Ribosomal-protein S6 kinase homolog 1,2 - phosphorylated		Dealy et al. (2019). CEP3 levels affect starvation-related growth responses of...
AS13 2664	S6K1-2 Ribosomal-protein S6 kinase homolog 1,2 - phosphorylated		Wang et al. (2017). Reciprocal Regulation of the TOR Kinase and ABA Receptor B...
AS13 2664	S6K1-2 Ribosomal-protein S6 kinase homolog 1,2 - phosphorylated	27577186	Wang et al. (2017). The inhibition of protein translation mediated by ATGCN1 i...
AS19 4284	SAE1a SUMO-activating enzyme subunit 1A		Saracco et al. (2007). Genetic analysis of SUMOylation in Arabidopsis: conjuga...
AS14 2771	SAG12 Senescence-specific cysteine protease SAG12		Frank et al. (2019). The Hordeum vulgare cysteine protease HvPAP14 plays a rol...
AS14 2771	SAG12 Senescence-specific cysteine protease SAG12	31659127	Durian et al. (2019). PROTEIN PHOSPHATASE 2A-B'γ controls Botrytis cinerea res...
AS14 2771	SAG12 Senescence-specific cysteine protease SAG12	31659127	Durian et al. (2019). PROTEIN PHOSPHATASE 2A-B'γ controls Botrytis cinere...
AS07 256	SAL1 Sal1 phosphatase	PMC4978270	Chan et al. (2016). Sensing and signaling of oxidative stress in chloroplasts ...
AS08 326	Sar1 Secretion-associated and Ras-related protein 1	24508335	Shen et al. (2014). The fronds tonoplast quantitative proteomic analysis in ar...
AS08 326	Sar1 Secretion-associated and Ras-related protein 1		Liu et al. (2014). SCFSLF-mediated cytosolic degradation of S-RNase is require...
AS15 2873	SBPase Sedoheptulose-1,7-bis phosphatase	34758079	Li et al. (2021) Did breeding alter the light environment, photosynthetic appa...
AS15 2873	SBPase Sedoheptulose-1,7-bis phosphatase	32655601	Hammel et al. (2020) Photosynthesis in Chlamydomonas reinhardtii and Has No Ef...
AS15 2873	SBPase Sedoheptulose-1,7-bis phosphatase		Fukayama et al. (2018). Expression level of Rubisco activase negatively correl...
AS15 2873	SBPase Sedoheptulose-1,7-bis phosphatase		Li et al. (2018). Comparative proteomic analysis of key proteins during abscis...
AS13 2657	SbtA Sodium-dependent bicarbonate transporter	29959914	Artier et al. (2019). Synthetic DNA system for structure-function studies of t...
AS13 2657	SbtA Sodium-dependent bicarbonate transporter		Artier et al. (2018). Synthetic DNA system for structure-function studies of t...
AS13 2657	SbtA Sodium-dependent bicarbonate transporter		Gandini et al. (2017). The transporter SynPAM71 is located in the plasma membr...
AS13 2657	SbtA Sodium-dependent bicarbonate transporter		Holland et al. (2016). Impacts of genetically engineered alterations in carbon...
AS19 4285	SCE1 SUMO-conjugating enzyme SCE1		Saracco et al. (2007). Genetic analysis of SUMOylation in Arabidopsis: conjuga...
AS03 029	SCGB2A2 Mammaglobin-A	24603286	Fischer et al. (2014). Differential expression of secretoglobins in normal ova...
AS03 029	SCGB2A2 Mammaglobin-A	18630503	Sjodin et al (2008). Mammaglobin and lipophilin B expression in breast tumors ...
AS09 532A	SE Serrate RNA effector molecule (rabbit antibody)	35260568	Liang et al. (2022). Arabidopsis RBV is a conserved WD40 repeat protein that p...
AS09 532A	SE Serrate RNA effector molecule (rabbit antibody)		Li et al. (2021). In vitro Reconstitution Assays of Arabidopsis 20S Proteasome...
AS09 532A	SE Serrate RNA effector molecule (rabbit antibody)	32637126	Li et al. (2020). Apple SERRATE negatively mediates drought resistance by reg...
AS09 532A	SE Serrate RNA effector molecule (rabbit antibody)	30674692	Wang et al. (2019). The PROTEIN PHOSPHATASE4 Complex Promotes Transcription an...
AS09 532A	SE Serrate RNA effector molecule (rabbit antibody)	31759129	Li et al. (2019). Global co-transcriptional splicing in Arabidopsis and the co...
AS09 532A	SE Serrate RNA effector molecule (rabbit antibody)	30599275	Kryovrysanaki et al. (2018). SERRATE, a miRNA biogenesis factor, affects viroi...
AS09 532A	SE Serrate RNA effector molecule (rabbit antibody)	29920280	Ma et al. (2018). Arabidopsis Serrate Coordinates Histone Methyltransferases A...
AS09 532A	SE Serrate RNA effector molecule (rabbit antibody)	29769717	Wang et al. (2018). SWI2/SNF2 ATPase CHR2 remodels pri-miRNAs via Serrate to i...
AS09 532A	SE Serrate RNA effector molecule (rabbit antibody)	30309899	de Francisco Amorim et al. (2018). The U1 snRNP Subunit LUC7 Modulates Plant D...
AS09 532A	SE Serrate RNA effector molecule (rabbit antibody)	27870853	Li et al. (2016). Intron Lariat RNA Inhibits MicroRNA Biogenesis by Sequesteri...
AS08 327	Sec21p Gamma subunit, COP vesicles	36106415	Brumm, Singh, Kriechbaum, et al. (2022) N-terminal domain of ARF-GEF GNOM prev...
AS08 327	Sec21p Gamma subunit, COP vesicles	36371501	Vogel et al. (2022) Lipid-mediated activation of plasma membrane-localized deu...
AS08 327	Sec21p Gamma subunit, COP vesicles	34830250	Skalicky et al. (2021) Auxin Metabolite Profiling in Isolated and Intact Plant...

AS08 327	Sec21p Gamma subunit, COP vesicles	32358503	Hurny et al. (2020). SYNERGISTIC ON AUXIN AND CYTOKININ 1 Positively Regulates...
AS08 327	Sec21p Gamma subunit, COP vesicles		Lupette et al. (2019). The architecture of lipid droplets in the diatom Phaeod...
AS08 327	Sec21p Gamma subunit, COP vesicles	30439956	Singh et al. (2018). A single class of ARF GTPase activated by several pathway...
AS08 327	Sec21p Gamma subunit, COP vesicles	29016942	Kitakura et al. (2017). BEN3/BIG2 ARF GEF is Involved in Brefeldin A-Sensitive...
AS08 327	Sec21p Gamma subunit, COP vesicles	28784794	Nagel et al. (2017). Arabidopsis SH3P2 is an ubiquitin-binding protein that fu...
AS08 327	Sec21p Gamma subunit, COP vesicles	27681606	Wattelet-Boyer et al. (2016). Enrichment of hydroxylated C24- and C26-acyl- ch...
AS08 327	Sec21p Gamma subunit, COP vesicles	27789589	Wang et al. (2016). Comprehensive proteomic analysis of developing protein bod...
AS08 327	Sec21p Gamma subunit, COP vesicles	26432860	Derbyshire et al. (2015). Proteomic Analysis of Microtubule Interacting Protei...
AS08 327	Sec21p Gamma subunit, COP vesicles	23737757	Tanaka et al. (2013). Cell Polarity and Patterning by PIN Trafficking through ...
AS08 327	Sec21p Gamma subunit, COP vesicles	23353019	Hopff et al. (2013). The plasma membrane proteome of maize roots grown under l...
AS08 327	Sec21p Gamma subunit, COP vesicles	11090220	Pimpl et al. (2000). In situ localization and in vitro induction of plant COPI-...
AS13 2686	Sec6 Exocyst complex subunit	34664667	Ortmannova J, Sekeres J, Kulich I, et al. (2022) Arabidopsis EXO70B2 exocyst s...
AS13 2686	Sec6 Exocyst complex subunit		Kulich et al. (2018). Deubiquitinase OTU5 affects Root Responses to Phosphate ...
AS13 2708	Sec8 Exocyst complex component SEC8	34664667	Ortmannova J, Sekeres J, Kulich I, et al. (2022) Arabidopsis EXO70B2 exocyst s...
AS01 011	Set of 10 plant anti-Lhca and anti-Lhcb antibodies	28575482	Merry et al. (2017). A comparison of pine and spruce in recovery from winter s...
AS01 011	Set of 10 plant anti-Lhca and anti-Lhcb antibodies	28873256	Li et al. (2017). NYEs/SGRs-mediated chlorophyll degradation is critical for d...
AS01 011	Set of 10 plant anti-Lhca and anti-Lhcb antibodies	27335455	Yoshida et al. (2016). Hisabori T1. Two distinct redox cascades cooperatively r...
AS01 011	Set of 10 plant anti-Lhca and anti-Lhcb antibodies	26998942	Pavlovic et al. (2016). A carnivorous sundew plant prefers protein over chitin...
AS01 011	Set of 10 plant anti-Lhca and anti-Lhcb antibodies	22143917	Xu et al. (2011). Light-harvesting chlorophyll a/b-binding proteins are requir...
AS01 011	Set of 10 plant anti-Lhca and anti-Lhcb antibodies		Kang et al. (2010). Evaluation of light-harvesting complex proteins as senesce...
AS15 3099	SGS3 Protein suppressor of gene silencing 3	34348894	Sun et al. (2021) The epigenetic factor FVE orchestrates cytoplasmic SGS3-DRB4...
AS05 075	SHMT Serine hydroxymethyltransferase	36470866	Oikawa et al. (2022) Pexophagy suppresses ROS-induced damage in leaf cells und...
AS05 075	SHMT Serine hydroxymethyltransferase	33518707	Li et al. (2021). Isolation and comparative proteomic analysis of mitochondria...
AS05 075	SHMT Serine hydroxymethyltransferase		Guo et al. (2021) The pentatricopeptide repeat protein GEND1 is required for r...
AS05 075	SHMT Serine hydroxymethyltransferase		Rurek et al. (2018). Mitochondrial Biogenesis in Diverse Cauliflower Cultivars...
AS05 075	SHMT Serine hydroxymethyltransferase	29547512	Rurek et al. (2018). Cold and Heat Stress Diversely Alter Both Cauliflower Res...
AS05 075	SHMT Serine hydroxymethyltransferase	27124767	Yin et al. (2016). Comprehensive Mitochondrial Metabolic Shift during the Crit...
AS05 075	SHMT Serine hydroxymethyltransferase	25828647	Long et al. (2015). Contributions of photosynthetic and non-photosynthetic cel...
AS05 075	SHMT Serine hydroxymethyltransferase	23800877	Wei et al. (2013). Folate polyglutamylation eliminates dependence of activity ...
AS05 075	SHMT Serine hydroxymethyltransferase	23238061	Camejo et al. (2012). Salinity-induced changes in S-nitrosylation of peamitochondr...
AS09 495	SIP1 Small basic intrinsic protein 1-1	16223486	Ishikawa et al. (2005). Novel type aquaporin SIPs are mainly localized to the ...
AS09 496	SIP2 Small basic intrinsic protein 2-1	29269486	Barghetti et al. (2017). Heat-shock protein 40 is the key farnesylation target...
AS09 496	SIP2 Small basic intrinsic protein 2-1	16223486	Ishikawa et al. (2005). Novel type aquaporin SIPs are mainly localized to the ...
AS20 4424	SIR Sulfite reductase [ferredoxin], chloroplastic	11163356	Sato et al. (2001). The 70-kDa major DNA-compacting protein of the chloroplast...
AS20 4424	SIR Sulfite reductase [ferredoxin], chloroplastic	10712553	Sakibara et al. (2000). Analysis of reductant supply systems for ferredoxin-de...
AS08 344	slr1641 ATP-dependent chaperone clpB	23913426	Gonzalez-Esquer and Vermaas (2013). ClpB1 overproduction in Synechocystis sp. ...
AS07 244	SLT2 Sodium sulfate transporter	24449688	Malnoë et al. (2014). Thylakoid FtsH Protease Contributes to Photosystem II an...
AS07 244	SLT2 Sodium sulfate transporter	20498339	Pootakham et a. (2010). Identification and Regulation of Plasma Membrane Sulfa...
AS10 847	Sml1 Suppressor of Mec1 lethality	32187369	Cerritelli et al. (2020). High density of unrepaired genomic ribonucleotides l...
AS10 847	Sml1 Suppressor of Mec1 lethality	30130531	Corcoles-Saez et al. (2019). Essential Function of Mec1, the Budding Yeast ATM...
AS10 847	Sml1 Suppressor of Mec1 lethality	30698744	Garbacz et al. (2019). The absence of the catalytic domains of Saccharomyces c...
AS10 847	Sml1 Suppressor of Mec1 lethality	29228701	Golla et al. (2017). A systematic assessment of chemical, genetic, and epigene...
AS10 847	Sml1 Suppressor of Mec1 lethality	28107343	Dmowski et al. (2017). Mutations in the Non-Catalytic Subunit Dpb2 of DNA Poly...
AS10 847	Sml1 Suppressor of Mec1 lethality	25827231	Mertz et al. (2015). Colon cancer-associated mutator DNA polymerase Delta vari...
AS10 847	Sml1 Suppressor of Mec1 lethality	24561198	Singh et al. (2014). Anti-cancer drug KP1019 modulates epigenetics and induces...
AS10 847	Sml1 Suppressor of Mec1 lethality	23520547	Azad et al. (2013). Depletion of Cellular Iron by Curcumin Leads to Alteration...
AS10 847	Sml1 Suppressor of Mec1 lethality	22234185	Poli et al. (2012). dNTP pools determine fork progression and origin usage unde...
AS07 266	SMT1 Sterol methyltransferase 1		Ming-fang et al. (2021) Improved quantification of immune-gold labeling and it...
AS07 266	SMT1 Sterol methyltransferase 1	34685758	Cano-Ramirez et al. (2021) M. Plasma Membrane Fluidity: An Environment Thermal...
AS07 266	SMT1 Sterol methyltransferase 1	32094305	Collins et al. (2020). EPSIN1 Modulates the Plasma Membrane Abundance of FLAGE...
AS07 266	SMT1 Sterol methyltransferase 1	32879491	Laohavisit (2020). Quinone perception in plants via leucine-rich-repeat recept...
AS07 266	SMT1 Sterol methyltransferase 1	27109828	Yang et al. (2016). Arabidopsis PROTEASOME REGULATOR1 is required for auxin-me...
AS07 266	SMT1 Sterol methyltransferase 1		LaMontagne et al. (2016). Isolation of Microsomal Membrane Proteins from Arabi...

AS07 266	SMT1 Sterol methyltransferase 1		Yoshimoto et al. (2014). Quality control of plant peroxisomes in organ speci...
AS08 358	SNCA Alpha-synuclein	34895275	Bargar et al. (2021) Discrimination of MSA-P and MSA-C by RT-QuIC analysis of...
AS08 358	SNCA Alpha-synuclein	24618582	Brannstrom et al. (2014). A generic method for design of oligomer-specific ant...
AS12 2118	SNE18 Rossmann-fold NAD(P)-binding domain-containing protein		Amstutz et al. (2020). An atypical short-chain dehydrogenase–reductase functio...
AS14 2783	SnRK2.2, SnRK2.3, SnRK2.6 Ser/Thr-protein kinase SnRK	33077877	Belda-Palazon et al. (2020) A dual function of SnRK2 kinases in the regulation...
AS14 2783	SnRK2.2, SnRK2.3, SnRK2.6 Ser/Thr-protein kinase SnRK	29593767	Wawer et al. (2018) mRNA Decapping and 5'-3' Decay Contribute to the Regulatio...
AS16 3204	SOBIR1 Suppressor of BIR1 (rabbit antibody)	36633200	Bao (2023) A pair of G-type lectin receptor-like kinases modulates nlp20-media...
AS16 3204	SOBIR1 Suppressor of BIR1 (rabbit antibody)	33692545	Ngou et al. (2021) Mutual potentiation of plant immunity by cell-surface and i...
AS12 1856	SOC1 Suppressor of constans overexpression 1	35658900	Cuerda-Gil et al. (2022) A plant tethering system for the functional study of ...
AS09 540	SOD1 aa 131-153 superoxide dismutase 1, soluble	24704492	Kiskinis et al. (2014). Pathways Disrupted in Human ALS Motor Neurons Identifi...
AS16 3943	SOT12 Cytosolic Sulfotransferase 12		Pascual et al. (2021). ACONITASE 3 is part of the ANAC017 transcription factor...
AS16 3943	SOT12 Cytosolic Sulfotransferase 12		Shapiguzov et al. (2019). Arabidopsis RCD1 coordinates chloroplast and mitoch...
AS10 697	Sporamin		Hattori et al. (1985) Molecular cloning and nucleotide sequence of cDNA for sp...
AS10 697	Sporamin		Maeshima et al. (1985) Characterization of major proteins in sweet potato tube...
AS06 185	SPS Sucrose phosphate synthase (maize)		Padhi et al. (2019). Distinct nodule and leaf functions of two different sucro...
AS06 185	SPS Sucrose phosphate synthase (maize)		Kaur et al. (2019). Comparison of alfalfa plants overexpressing glutamine synt...
AS06 185	SPS Sucrose phosphate synthase (maize)	25213117	Seger et al. (2014). Impact of concurrent overexpression of cytosolic glutamin...
AS06 185	SPS Sucrose phosphate synthase (maize)		Rounis et al. (2014). Seeded and Parthenocarpic Cherry Tomato Fruits Exhibit S...
AS03 035A	SPS Sucrose phosphate synthase, global	32676847	Bilska-Kos et al. (2020). Sucrose phosphate synthase (SPS), sucrose synthase (...
AS03 035A	SPS Sucrose phosphate synthase, global	30464337	Chen et al. (2018). TIC236 links the outer and inner membrane translocons of t...
AS03 035A	SPS Sucrose phosphate synthase, global	25173632	Zhang et al. (2014). Heterologous expression of AtPAP2 in transgenic potato in...
AS13 2635	SRK2E Ser/Thr-protein kinase SnRK2.6	35247331	Hu et al. (2022) Bacterial effectors manipulate plant abscisic acid signaling ...
AS13 2635	SRK2E Ser/Thr-protein kinase SnRK2.6		Wang et al. (2017). Reciprocal Regulation of the TOR Kinase and ABA Receptor B...
AS16 4098	STN7 Serine/threonine-protein kinase STN7 (chloroplastic)	34632500	Mazur et al. (2021) The SnRK2.10 kinase mitigates the adverse effects of salin...
AS16 4098	STN7 Serine/threonine-protein kinase STN7 (chloroplastic)		Pralon et al. (2019). Plastoquinone homeostasis by Arabidopsis proton gradien...
AS16 4098	STN7 Serine/threonine-protein kinase STN7 (chloroplastic)		Ancin et al. (2019). Overexpression of thioredoxin m in tobacco chloroplasts i...
AS16 4098	STN7 Serine/threonine-protein kinase STN7 (chloroplastic)	31784823	Rudenko et al. (2019). The role of carbonic anhydrase alfa-CA4 in the adaptive...
AS16 4098	STN7 Serine/threonine-protein kinase STN7 (chloroplastic)		Nikkanen et al. (2018). Multilevel regulation of non-photochemical quenching a...
AS16 4098	STN7 Serine/threonine-protein kinase STN7 (chloroplastic)		Ancin et al. (2018). Thioredoxin m overexpression in tobacco chloroplasts inhi...
AS10 1601	STN8 Serine/threonine-protein kinase STN8 (chloroplastic)		Li et al. (2015). Effect of hydrogen sulfide on D1 protein in wheat under drou...
AS10 1601	STN8 Serine/threonine-protein kinase STN8 (chloroplastic)	24591726	Flood et al. (2014). Natural variation in phosphorylation of photosystem II pr...
AS10 1601	STN8 Serine/threonine-protein kinase STN8 (chloroplastic)		Yin et al. (2012). Photosystem II Function and Dynamics in Three Widely Used A...
AS15 3080	STT7 Serine/threonine-protein kinase STT7 (chloroplastic)		Cazzaniga et al. (2019). Photosystem II antenna complexes CP26 and CP29 are e...
AS15 3080	STT7 Serine/threonine-protein kinase STT7 (chloroplastic)		Upadhyaya and Jagadeeshwar Rao (2019). Reciprocal regulation of photosynthesis...
AS15 3080	STT7 Serine/threonine-protein kinase STT7 (chloroplastic)		Lameille et al. (2009). Analysis of the chloroplast protein kinase Stt7 during...
AS08 308	SUMO1 Small ubiquitin-like modifier protein 1	35100405	Szadeczký-Kardoss et al. (2022) Elongation factor TFII5 is essential for heat ...
AS08 308	SUMO1 Small ubiquitin-like modifier protein 1		Colignon et al. (2019). Dual coordination of the SUMOylation and phosphorylati...
AS08 308	SUMO1 Small ubiquitin-like modifier protein 1	30541427	Rosa et al. (2018). Insights into the transcriptional and post-transcriptional...
AS08 308	SUMO1 Small ubiquitin-like modifier protein 1	28272518	Guo et al. (2017). Sumoylation stabilizes RACK1B and enhance its interaction w...
AS08 308	SUMO1 Small ubiquitin-like modifier protein 1	25415977	Tomanov et al. (2014). Arabidopsis PIAL1 and 2 Promote SUMO Chain Formation as...
AS08 308	SUMO1 Small ubiquitin-like modifier protein 1	24893774	Liu et al. (2014). SUMO E3 ligase AtMMS21 is required for normal meiosis and g...
AS08 308	SUMO1 Small ubiquitin-like modifier protein 1	24689873	Kong et al. (2014). Quantitative proteomics analysis reveals that the nuclear ...
AS08 349	SUMO3 Small ubiquitin-like modifier protein 3 (peptide antibody)	26269953	Saleh et al. (2015). Posttranslational Modifications of the Master Transcrip...
AS19 4283	SUMO3 Small ubiquitin-like modifier protein 3 (protein antibody)		Kurepa et al. (2003). The small ubiquitin-like modifier (SUMO) protein modifi...
AS15 2856	SUN1,2 (nuclear envelope protein) (Arabidopsis thaliana)		Wang et al. (2019) OPENER Is a Nuclear Envelope and Mitochondria Localized Pro...
AS15 2830	SUS1 Sucrose synthase 1		Cui, Liu, Li, et al. (2022) The cellulose–lignin balance affects the twisted ...
AS15 2830	SUS1 Sucrose synthase 1	32676847	Bilska-Kos et al. (2020). Sucrose phosphate synthase (SPS), sucrose synthase (...
AS15 2830	SUS1 Sucrose synthase 1		Kleczkowski LA & Decker DD (2015) Sugar activation for production of nucleotid...
AS13 2725	SVR4 Suppressor of variegation 4	33975629	Loudya et al. (2021) Cellular and transcriptomic analyses reveal two-staged ch...
AS13 2725	SVR4 Suppressor of variegation 4		Powikrowska et al. (2013). SVR4 of variegation 4 and SVR4-like two proteins wi...
AS13 2726	SVR4-like Suppressor of variegation 4 - like		Powikrowska et al. (2013). SVR4 of variegation 4 and SVR4-like two proteins wi...
AS20 4416	TGG1 Myrosinase 1 (BGL38)	21707802	Farid et al. (2011). Arabidopsis thaliana alpha1,2-glucosyltransferase (ALG10)...
AS20 4416	TGG1 Myrosinase 1 (BGL38)	21143674	Shirakawa et al. (2010). Arabidopsis Qa-SNARE SYP2 proteins localized to diff...

AS20 4416	TGG1 Myrosinase 1 (BGL38)	16306062	Ueda et al. (2006). AtVAM3 is required for normal specification of idioblasts...
AS20 4415	TGG2 Myrosinase 2 (BGL37)	23009876	Liebminger et al. (2012). Myrosinases TGG1 and TGG2 from Arabidopsis thaliana ...
AS20 4415	TGG2 Myrosinase 2 (BGL37)	21143674	Shirakava et al. (2010). Arabidopsis Qa-SNARE SYP2 proteins localized to diffe...
AS20 4415	TGG2 Myrosinase 2 (BGL37)	16306062	Ueda et al. (2006). AtVAM3 is required for normal specification of idioblasts...
AS04 041	THP Allopregnanolone	28502262	Cumberland et al. (2017). Effects of combined IUGR and prenatal stress on the ...
AS04 041	THP Allopregnanolone	26279160	Bennett et al. (2015). Prenatal Stress Alters Hippocampal Neuroglia and Increa...
AS04 041	THP Allopregnanolone	26068516	Rault et al. (2015). Allopregnanolone and social stress: regulation of the str...
AS04 041	THP Allopregnanolone	23918964	Boher et al. (2014). The effects of betamethasone on allopregnanolone concentr...
AS04 041S	THP Allopregnanolone steroid standard		Lee et al. (2014). Progesterone and allopregnanolone improve stroke outcome in...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)	33539477	Koester et al. (2021)Transgenic insertion of the cyanobacterial membrane prote...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)	33975629	Loudya et al. (2021) Cellular and transcriptomic analyses reveal two-staged ch...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)		Wang et al. (2020). Post-translational coordination of chlorophyll biosynthesi...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)	30192960	Van Gelder (2018). Medium-Chain Polyprenols Influence Chloroplast Membrane Dyn...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)		Fernandez-San Millan et al. (2018). Physiological Performance of Transplastomi...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)	29367233	Wu et al. (2018). Control of Retrograde Signaling by Rapid Turnover of GENOMES...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)	26918637	Yang et al. (2016). OsCLT1, a CRT-like transporter 1, is required for glutathi...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)	26941088	Yang et al. (2016). LIR1 regulates light-dependent attachment of LFNR to the t...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)	26079601	Roman et al. (2015). Non-redundant contribution of the plastidial FAD8 ω-3 des...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)	25402197	Yin et al. (2014). The membrane proteome of stroma thylakoids from Arabidopsis...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)	24843077	Wang et al. (2014). Maintenance of Chloroplast Structure and Function by Overe...
AS10 709	Tic40 Inner envelope membrane translocon complex protein (chloroplast)	24026439	Brillouet et al. (2013).The tannosome is an organelle forming condensed tannin...
AS09 482	TIP1 Tonoplast intrinsic protein 1-1	29378957	Kwon et al. (2018). AtCAP2 is crucial for lytic vacuole biogenesis during germ...
AS09 493	TIP1;1, TIP1;2 tonoplast intrinsic protein 1-1, 1-2 (gamma)	26019256	Mao and Sun (2015). Arabidopsis seed-specific vacuolar aquaporins are involved...
AS09 493	TIP1;1, TIP1;2 tonoplast intrinsic protein 1-1, 1-2 (gamma)	11216851	Suga et al. (2001). Specificity of the accumulation of mRNAs and proteins of t...
AS09 492	TIP1;1,TIP1;2 tonoplast intrinsic protein1-1, 1-2 (gamma)	33404919	Tailor & Bhatla (2021) Polyamine homeostasis modulates plasma membrane- and to...
AS09 492	TIP1;1,TIP1;2 tonoplast intrinsic protein1-1, 1-2 (gamma)	11216851	Suga et al. (2001). Specificity of the accumulation of mRNAs and proteins of t...
AS09 509	TIP2;1 tonoplast intrinsic protein 2-1	18037610	Sakurai et al. (2008). Tissue and cell-specific localization of rice aquaporin...
AS09 510	TIP2;2 Tonoplast intrinsic protein 2-2	18037610	Sakurai et al. (2008). Tissue and cell-specific localization of rice aquaporin...
AS09 511	TIP2;2 tonoplast intrinsic protein 2-2, C-terminal	18037610	Sakurai et al. (2008). Tissue and cell-specific localization of rice aquaporin...
AS15 2903	TKL1 transketolase (chloroplastic)		Rocha et al. (2014). Phosphorylation of Arabidopsis transketolase at Ser428 pr...
AS08 369	Tlp18.3 Thylakoid lumen 18.3 kDa protein	23563498	Zienkiewicz et al. (2013).Light intensity and quality stimulated Deg1-dependen...
AS07 239	Toc159 Chloroplast outer envelope membrane translocon complex protein	29367233	Wu et al. (2018). Control of Retrograde Signaling by Rapid Turnover of GENOMES...
AS07 236	Toc33 chloroplast outer envelope membrane translocon complex protein	25944100	Li et al. (2015). Autophagic recycling plays a central role in maize nitrogen ...
AS07 236	Toc33 chloroplast outer envelope membrane translocon complex protein	17261588	Reddick et al. (2007). In vitro comparative kinetic analysis of the chloroplas...
AS07 238	Toc34 Chloroplast outer envelope membrane translocon complex protein (GTPase domain)	5241655	Joo et al. (2022) Sex-linked deubiquitinase establishes uniparental transmissi...
AS07 238	Toc34 Chloroplast outer envelope membrane translocon complex protein (GTPase domain)	33807496	Gu et al. (2021) A Lipid Bodies-Associated Galactosyl Hydrolase Is Involved in ...
AS07 238	Toc34 Chloroplast outer envelope membrane translocon complex protein (GTPase domain)	26496373	Warakanont et al. (2015). Chloroplast lipid transfer processes in Chlamydomona...
AS07 238	Toc34 Chloroplast outer envelope membrane translocon complex protein (GTPase domain)	25880450	Kim et al. (2015). Cytosolic targeting factor AKR2A captures chloroplast outer ...
AS07 238	Toc34 Chloroplast outer envelope membrane translocon complex protein (GTPase domain)	25451040	Armbruster et al. (2014). Ion antiport accelerates photosynthetic acclimation ...
AS07 238	Toc34 Chloroplast outer envelope membrane translocon complex protein (GTPase domain)	23167510	Formighieri et al. (2012). Biogenesis of photosynthetic complexes in the chlor...
AS07 235	Toc34 chloroplast outer envelope membrane translocon complex protein (soluble domain)	17261588	Reddick et al. (2007). In vitro comparative kinetic analysis of the chloroplas...
AS08 292	Toc75 Outer chloroplast membrane translocon complex protein	22745120	Ulrich et al. (2012).Chloroplast Beta-BarrelProteins AreAssembled into theMito...
AS08 351	Toc75 Protein TOC75-3, chloroplastic, POTRA domain 3		Sasaki and Yamamoto (2015). Arabidopsis LAZY1 is a peripheral membrane protein...
AS08 351	Toc75 Protein TOC75-3, chloroplastic, POTRA domain 3	24892798	Vera-Estrella et al. (2014). Comparative 2D-DIGE analysis of salinity responsi...
AS08 351	Toc75 Protein TOC75-3, chloroplastic, POTRA domain 3	25401771	Hsueh et al. (2014). The chloroplast outer envelope protein P39 in Arabidopsis...
AS15 2902	Tom 9.2 Mitochondrial import receptor subunit TOM9.2		Kolodziejczak et al. (2018). m-AAA Complexes Are Not Crucial for the Survival ...
AS05 096	TOP2 DNA topoisomerase II	30266762	Martinez-Garcia M et al. (2018). TOPII and chromosome movement help remove int...
AS05 096	TOP2 DNA topoisomerase II	7846176	Xie S & Lam E (1994) Abundance of nuclear DNA topoisomerase II is correlated w...
AS12 2608	TOR Target of rapamycin		Garcia et al. (2017). Maize defective kernel mutant generated by insertion of ...
AS16 3112	Transthyretin 39-44, amyloid specific		Goldsteins et al. (1999). Exposure of cryptic epitopes on transthyretin only i...
AS16 3113	Transthyretin 56-61, amyloid specific (mouse monoclonal antibody)		Goldsteins et al. (1999). Exposure of cryptic epitopes on transthyretin only i...
AS19 4257	TROL Thylakoid rhodanese-like protein		Vojta and Fulgosi (2019). Topology of TROL protein in thylakoid membranes of A...
AS14 2808	Trx1/2 Thioredoxin F1/F2 (chloroplastic)		Nikkanen et al. (2016). Crosstalk between chloroplast thioredoxin systems in r...

AS20 4483	Tubulin alpha chain (monoclonal antibody)	35637208	Liu et al. (2022) Identification of positive and negative regulators of anti...
AS10 680	Tubulin alpha chain (polyclonal antibodies)		Kumar et al. (2022). Proteomic dissection of rice cytoskeleton reveals the dom...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	36062335	Ye, Zhou, Zhu, et al. (2022) Inhibition of shoot-expressed NRT1.1 improves reu...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	33807496	Gu et al. (2021) A Lipid Bodies-Associated Galactosyl Hydrolase Is Involved in...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	31911455	Sakuraba et al. (2020). Multilayered regulation of membrane-bound ONAC054 is e...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	32024857	Roustan et al. (2020). Protein sorting into protein bodies during barley endos...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	32024857	Roustan et al. (2020). Protein sorting into protein bodies during barley endos...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	32265287	Kanno et al. (2020). A collection of pre-mRNA splicing 1 mutants in Arabidopsis...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	32983212	Li et al. (2020) Identification and Biotechnical Potential of a Gcn5-Related N...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	30886426	Li et al. (2019). A genome-wide algal mutant library and functional screen ide...
AS10 680	Tubulin alpha chain (polyclonal antibodies)		Upadhyaya and Jagadeeshwar Rao (2019). Reciprocal regulation of photosynthesis...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	30497407	Pan et al. (2018). Comparative proteomic investigation of drought responses in...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	29765103	Nasir et al. (2018). Identification of a flagellar protein implicated in the g...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	29378957	Kwon et al. (2018). AtCAP2 is crucial for lytic vacuole biogenesis during germ...
AS10 680	Tubulin alpha chain (polyclonal antibodies)		Ho et al. (2017). A calcineurin B-like protein participates in low oxygen sign...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	28064249	Wei et al. (2017). Light Intensity is Important for Hydrogen Production in NaH...
AS10 680	Tubulin alpha chain (polyclonal antibodies)		Nasir (2016). Analysis of signal transduction chains of gravity and light sens...
AS10 680	Tubulin alpha chain (polyclonal antibodies)	25451040	Armbruster et al. (2014). Ion antiport accelerates photosynthetic acclimation ...
AS10 680	Tubulin alpha chain (polyclonal antibodies)		Juszczak et al. (2012). Natural genetic variation in the expression regulation...
AS10 681	Tubulin beta chain	35145090	Linster et al. (2022). Cotranslational N-degron masking by acetylation promote...
AS10 681	Tubulin beta chain	35145090	Linster et al. (2022). Cotranslational N-degron masking by acetylation promote...
AS10 681	Tubulin beta chain	31659127	Durian et al. (2019). PROTEIN PHOSPHATASE 2A-B' gamma controls Botrytis cinere...
AS10 681	Tubulin beta chain	27577186	Wang et al. (2017). The inhibition of protein translation mediated by ATGCN1 i...
AS10 681	Tubulin beta chain	26903622	Heinzel et al. (2016). Tetratricopeptide repeat protein protects photosyste...
AS15 3055	TYLCV C1 Tomato yellow leaf curl virus coat protein C1		Gorovits et al. (2013). Progressive aggregation of Tomato yellow leaf curl vir...
AS15 3056	TYLCV C2 Tomato yellow leaf curl virus coat protein C2		Gorovits et al. (2013). Progressive aggregation of Tomato yellow leaf curl vir...
AS15 3057	TYLCV C3 Tomato yellow leaf curl virus coat protein C3		Gorovits et al. (2013). Progressive aggregation of Tomato yellow leaf curl vir...
AS15 3058	TYLCV C4 Tomato yellow leaf curl virus coat protein C4		Gorovits et al. (2013). Progressive aggregation of Tomato yellow leaf curl vir...
AS15 3059	TYLCV V2 Tomato yellow leaf curl virus coat protein V2		Moshe et al. (2015). The Tomato yellow leaf curl virus V2 protein forms aggreg...
AS14 2829	UAGPase UDP-GlcNAc pyrophosphorylase		Fernandez-San Millan et al. (2018). Physiological Performance of Transplastomi...
AS14 2829	UAGPase UDP-GlcNAc pyrophosphorylase		Kleczkowski LA & Decker DD (2015) Sugar activation for production of nucleotid...
AS08 307A	UBQ11 Ubiquitin (affinity purified)	35145090	Linster et al. (2022). Cotranslational N-degron masking by acetylation promote...
AS08 307A	UBQ11 Ubiquitin (affinity purified)	5417702	Li et al. (2022) The CDC48 complex mediates ubiquitin-dependent degradation of...
AS08 307A	UBQ11 Ubiquitin (affinity purified)	34573369	Jeran et al. (2021) The PUB4 E3 Ubiquitin Ligase Is Responsible for the Varieg...
AS08 307A	UBQ11 Ubiquitin (affinity purified)	30580058	Filippi et al. (2019). Caspase-3-like activity and proteasome degradation in g...
AS08 307A	UBQ11 Ubiquitin (affinity purified)	27890695	Krasuska et al. (2016). Nitric oxide-polyamines cross-talk during dormancy rel...
AS08 307	UBQ11 Ubiquitin (serum)	36419364	Albuquerque-Martins et al (2022) ABA signaling prevents phosphodegradation of ...
AS08 307	UBQ11 Ubiquitin (serum)	35704578	Miklankova et al. (2022) HYPK promotes the activity of the Nalpa-acetyltransfe...
AS08 307	UBQ11 Ubiquitin (serum)		Jung et al. (2020). Pathogen-associated Molecular Pattern-triggered Immunity I...
AS08 307	UBQ11 Ubiquitin (serum)	32245955	Grimmer et al. (2020). Mild Proteasomal Stress Improves Photosynthetic Perform...
AS08 307	UBQ11 Ubiquitin (serum)	32502259	Wawrzynska and Sirko (2020). Proteasomal degradation of proteins is important ...
AS08 307	UBQ11 Ubiquitin (serum)	30763614	Chang et al. (2019). PBS3 Protects EDS1 from Proteasome-Mediated Degradation i...
AS08 307	UBQ11 Ubiquitin (serum)	31818367	Zhao et al. (2019). Comparative proteomic analysis of latex from Euphorbia kan...
AS08 307	UBQ11 Ubiquitin (serum)	29500318	ustun et al. (2018). Bacteria Exploit Autophagy for Proteasome Degradation and...
AS08 307	UBQ11 Ubiquitin (serum)	28491076	Witzel et al. (2017). A Proteomic Approach Suggests Unbalanced Proteasome Func...
AS08 307	UBQ11 Ubiquitin (serum)	28324352	Gorovits et al. (2017). The six Tomato yellow leaf curl virus genes expressed ...
AS08 307	UBQ11 Ubiquitin (serum)	26662259	Crozet et al. (2016). SUMOylation represses SnRK1 signaling in Arabidopsis. Pl...
AS08 307	UBQ11 Ubiquitin (serum)	25962748	Moshe et al. (2015). Tomato plant cell death induced by inhibition of HSP90 is...
AS08 307	UBQ11 Ubiquitin (serum)	25614217	Hamorsky et al. (2015). N-Glycosylation of cholera toxin B subunit in Nicotian...
AS08 307	UBQ11 Ubiquitin (serum)	24689873	Kong et al. (2014). Quantitative proteomics analysis reveals that the nuclear ...
AS08 307	UBQ11 Ubiquitin (serum)		Zulet et al. (2013). Proteolytic Pathways Induced by Herbicides That Inhibit A...
AS08 307	UBQ11 Ubiquitin (serum)		Ferrandez-Ayela et al. (2013). Arabidopsis TRANSCURVATA1 Encodes NUP58, a Comp...
AS08 307	UBQ11 Ubiquitin (serum)	23785289	Ustun et al. (2013). The Xanthomonas campestris Type III Effector XopJ Targets...

AS12 1850	UCP Uncoupling protein	30629714	Czobor et al. (2019). Comparison of the response of alternative oxidase and un...
AS12 1850	UCP Uncoupling protein	30587782	Takac et al. (2018). Shot-Gun Proteomic Analysis on Roots of Arabidopsis pldal...
AS12 1850	UCP Uncoupling protein	28623839	Garmash et al. (2017). Expression profiles of genes for mitochondrial respirat...
AS12 1850	UCP Uncoupling protein	27760881	Florez-Sarasa et al. (2016). Impaired cyclic electron flow around Photosystem ...
AS12 1850	UCP Uncoupling protein		Liu et al. (2015). Silencing of mitochondrial uncoupling protein gene aggravat...
AS12 1850	UCP Uncoupling protein	25828647	Long et al. (2015). Contributions of photosynthetic and non-photosynthetic cel...
AS12 1850	UCP Uncoupling protein		Gabelnych et al. (2014). Mitochondrial Energy Dissipating Systems (Alternativ...
AS12 1850	UCP Uncoupling protein	24886177	Barreto et al. (2014). Overexpression of UCP1 in tobacco induces mitochondrial...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)		Suanno et al. (2023) Small extracellular vesicles released from germinated kiw...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	35166827	Gong et al. (2022). The origin and evolution of a plant resistosome. Plant Cel...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	35417704	Hacquard et al. (2022) The Arabidopsis F-box protein FBW2 targets AGO1 for deg...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	35929801	Fang et al. (2022) TANDEM ZINC-FINGER/PLUS3 regulates phytochrome B abundance ...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	36371501	Vogel et al. (2022) Lipid-mediated activation of plasma membrane-localized deu...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	33518707	Li et al. (2021) Isolation and comparative proteomic analysis of mitochondria...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)		Pan et al. (2021) Post-Golgi Trafficking of Rice Storage Proteins Requires the...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	31949008	Ren et al. (2020). GPA5 Encodes a Rab5a Effector Required for Post-Golgi Traff...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	32139475	Li et al. (2020). N-terminal acetylation stabilizes SIGMA FACTOR BINDING PROTE...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	31339933	Kim et al. (2019). Polyamine uptake transporter 2 (put2) and decaying seeds en...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	31249292	Dogra et al. (2019). Oxidative post-translational modification of EXECUTER1 is ...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	31142640	Pontier et a. (2019). The m6A pathway protects the transcriptome integrity by ...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)		Jones et al. (2019). Arabidopsis JMJD5/JMJ30 Acts Independently of LUX ARRHYTH...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	31793100	Ge et al. (2019). The NIN-like protein 5 (ZmNLP5) transcription factor is invo...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	29760094	Lai et al. (2018). Salicylic acid-independent role of NPR1 is required for pro...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	30078560	Shanmugabalaji et al. (2018). Chloroplast Biogenesis Controlled by DELLA-TOC15...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	29496883	Hartmann et al. (2018). Subcellular Compartmentation of Alternatively Spliced ...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	28394025	Howden et al. (2017). Quantitative analysis of the tomato nuclear proteome dur...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	29044717	Vincent et al. (2017). A genome-scale analysis of mRNAs targeting to plant mit...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	28784794	Nagel et al. (2017). Arabidopsis SH3P2 is an ubiquitin-binding protein that fu...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	28325872	Schalk et al. (2017). Small RNA-mediated repair of UV-induced DNA lesions by t...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	27174164	Castellano et al. (2016). A pathogenic long noncoding RNA redesigns the epigen...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	27791167	Hsu et al. (2016). Super-resolution ribosome profiling reveals unannotated tra...
AS05 086	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker)	27371350	Liu et al. (2016). iTRAQ-based quantitative proteomic analysis reveals the rol...
AS14 2813	UGPase UDP-glucose pyrophosphorylase (cytoplasm marker) (Hordeum vulgare)		Kleczkowski LA & Decker DD (2015) Sugar activation for production of nucleotid...
AS21 4546	UmuD Protein UmuD	3126496	Shinagawa et al. (1998). RecA protein-dependent cleavage of UmuD protein and S...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	34830250	Skalicky et al. (2021) Auxin Metabolite Profiling in Isolated and Intact Plant...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	32024857	Roustan et al. (2020). Protein sorting into protein bodies during barley endos...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	32041176	Prinsi et al. (2020). Root Proteomic Analysis of Two Grapevine Rootstock Genot...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	32094305	Collins et al. (2020). EPSIN1 Modulates the Plasma Membrane Abundance of FLAGE...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	31156689	Kuang et al. (2019). Quantitative Proteome Analysis Reveals Changes in the Pro...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	30157181	Pertl-Obermeyer et al. (2018). Dissecting the subcellular membrane proteome re...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	29932267	Migocka et al. (2018). Cucumber metal tolerance protein 7 (CsMTP7) is involved...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	29423236	Zhu et al. (2018). A comprehensive proteomic analysis of elaioplasts from citr...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	28977710	Lynch et al. (2017). Multifaceted plant responses to circumvent Phe hyperaccum...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	28784794	Nagel et al. (2017). Arabidopsis SH3P2 is an ubiquitin-binding protein that fu...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	28455771	Vera-Estrella et al. (2017). Cadmium and zinc activate adaptive mechanisms in ...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	27992503	Xing et al. (2016). Proteome Profile of Starch Granules Purified from Rice (Or...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase		LaMontagne et al. (2016). Isolation of Microsomal Membrane Proteins from Arabi...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	27160145	Barkla et al. (2016). Single-cell-type quantitative proteomic and ionomic anal...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	27371350	Liu et al. (2016). iTRAQ-based quantitative proteomic analysis reveals the rol...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	27681606	Wattelet-Boyer et al. (2016). Enrichment of hydroxylated C24- and C26-acyl- ch...
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	6777983	Jiskrova et al. (2016). Extra- and intracellular distribution of cytokinins in...
AS09 577	V-ATPase Epsilon subunit of tonoplast H+ATPase (goat antibody)	22738204	McLoughlin et al. (2012). TheSnf1-relatedprotein kinasesSnRK2.4 andSnRK2.10 are...
AS17 4158	V-ATPase holoenzyme		Liang and Sze (1998). A high-affinity Ca2+ pump, ECA1, from the endoplasmic re...

AS17 4158	V-ATPase holoenzyme		Liang et al. (1997). ECA1 complements yeast mutants defective in Ca2+ pumps an...
AS09 466	V-ATPase, a Vacuolar H+ ATPase, subunit a	27992503	Xing et al. (2016). Proteome Profile of Starch Granules Purified from Rice (Or...
AS09 466	V-ATPase, a Vacuolar H+ ATPase, subunit a	24040130	Migocka et al. (2013). NO3 (-)/H(+) Antiport in the Tonoplast of Cucumber Root...
AS09 466	V-ATPase, a Vacuolar H+ ATPase, subunit a	16223486	Fumiyoshi et al. (2005). Novel type aquaporin SIPs, are mainly localized the E...
AS09 466	V-ATPase, a Vacuolar H+ ATPase, subunit a	15653794	Yoshihiro et al. (2004). Zinc transporter of Arabidopsis thaliana AtMTP1 is lo...
AS09 502	V-ATPase, A vacuolar H+-ATPase subunit A	10692456	Kawamura et al. (2000). Tissue specificity of E subunit isoforms of plant vacu...
AS09 502	V-ATPase, A vacuolar H+-ATPase subunit A	9489011	Nakanishi & Maeshima (1998). Molecular cloning of vacuolar H(+)-pyrophosphatas...
AS09 502	V-ATPase, A vacuolar H+-ATPase subunit A	9536073	Smart et al. (1998). Genes involved in osmoregulation during turgor-driven cel...
AS09 502	V-ATPase, A vacuolar H+-ATPase subunit A	16653051	Matsuura-Eno et al. (1992). Mechanism of the Decline in Vacuolar H -ATPase Act...
AS09 467	V-ATPase, A Vacuolar H+-ATPase subunit A (ammonium sulfate purified IgG)	28455771	Vera-Estrella et al. (2017). Cadmium and zinc activate adaptive mechanisms in ...
AS09 467	V-ATPase, A Vacuolar H+-ATPase subunit A (ammonium sulfate purified IgG)	27160145	Barkla et al. (2016). Single-cell-type quantitative proteomic and ionic anal...
AS09 467	V-ATPase, A Vacuolar H+-ATPase subunit A (ammonium sulfate purified IgG)	16636467	Yoshihiro et al. (2006) Immunochemical analysis of aquaporin isoforms in Arabi...
AS09 468	V-ATPase, c Vacuolar H+-ATPase, subunit c (16 kDa)	28455771	Vera-Estrella et al. (2017). Cadmium and zinc activate adaptive mechanisms in ...
AS09 468	V-ATPase, c Vacuolar H+-ATPase, subunit c (16 kDa)	27160145	Barkla et al. (2016). Single-cell-type quantitative proteomic and ionic anal...
AS17 4163	V-ATPase, subunit 36 kDa (Avena sativa) (clone 7A3)		Li and Sze (1999). A 100 kDa polypeptide associates with the V0 membrane secto...
AS17 4163	V-ATPase, subunit 36 kDa (Avena sativa) (clone 7A3)	10069064	Li and Sze (1999). A 100 kDa polypeptide associates with the V0 membrane secto...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	34714725	Belykh et al. (2022) Responses of genes of DNA repair, alternative oxidase, an...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	33518707	Li et al. (2021) Isolation and comparative proteomic analysis of mitochondria...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5		Tarasenko et al. (2020). Plant mitochondrial subfractions have different abili...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	31928662	Garmash et al. (2020). Altered levels of AOX1a expression result in changes in...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5		Bai et al. (2019). Overexpression of soybean GmPLDy enhances seed oil content ...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	30633951	Klinger et al. (2019). The signal distinguishing between targeting of outer me...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	29423236	Zhu et al. (2018). A comprehensive proteomic analysis of elaioplasts from citr...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	29350244	Kang et al. (2018). Autophagy-related (ATG) 11, ATG9 and the phosphatidylinosi...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	29100054	Wang and Auwerx (2017). Systems Phytohormone Responses to Mitochondrial Proteo...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	27124767	Yin et al. (2016). Comprehensive Mitochondrial Metabolic Shift during the Crit...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	26781341	de Michele et al. (2016). Free-Flow Electrophoresis of Plasma Membrane Vesicle...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	25700484	Li et al. (2015). A Chaperone Function of NO CATALASE ACTIVITY1 Is Required to...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	25617518	Rurek et al. (2015). Biogenesis of mitochondria in cauliflower (Brassica olera...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	25401771	Hsueh et al. (2014). The chloroplast outer envelope protein P39 in Arabidopsis...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	24947012	Takahashi et al. (2014). Transport of rice cyclobutane pyrimidine dimer (CPD) ...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	25451040	Armbruster et al. (2014). Ion antiport accelerates photosynthetic acclimation ...
AS07 212	VDAC1-5 Voltage-dependent anion-selective channel protein 1-5	23503782	Alcantar-Aguirre et al.(2013).ATP produced by oxidative phosphorylation is cha...
AS12 1849	V-PPase vacuolar H+-pyrophosphatase	35624700	Hofmann, Wienkoop & Luthje (2022) Hypoxia-Induced Aquaporins and Regulation of...
AS12 1849	V-PPase vacuolar H+-pyrophosphatase	32041176	Prinsi et al. (2020). Root Proteomic Analysis of Two Grapevine Rootstock Genot...
AS12 1849	V-PPase vacuolar H+-pyrophosphatase	30785397	Patir-Nebioglu et al. (2019). Pyrophosphate modulates plant stress responses v...
AS12 1849	V-PPase vacuolar H+-pyrophosphatase	26485215	Migocka et al. (2015). Cucumber Metal Transport Protein CsMTP9 is a plasma mem...
AS12 1849	V-PPase vacuolar H+-pyrophosphatase	25210955	Migocka et al. (2014). Molecular and biochemical properties of two P 1B2 -ATPa...
AS13 2633	VPS29 Vacuolar protein sorting 29		Munch et al. (2015). Retromer Contributes to Immunity-Associated Cell Death in...
AS20 4401	VPS29 Vacuolar protein sorting-associated protein 29	18222962	Yamazaki et al. (2008). Arabidopsis VPS35, a retromer component, is required f...
AS20 4401	VPS29 Vacuolar protein sorting-associated protein 29	6926167	Shimada et al. (2006). et al. (2006). AtVPS29, a putative component of a retr...
AS20 4402	VPS35 Vacuolar protein sorting-associated protein 35B (marker of PVC)	18222962	Yamazaki et al. (2008). Arabidopsis VPS35, a retromer component, is required f...
AS20 4407	VSR1 Vacuolar-sorting receptor 1	26546666	Fuji et al. (2016). The Adaptor Complex AP-4 Regulates Vacuolar Protein Sortin...
AS20 4407	VSR1 Vacuolar-sorting receptor 1	23572548	Kunieda et al. (2013). Spatiotemporal secretion of PEROXIDASE36 is required fo...
AS20 4407	VSR1 Vacuolar-sorting receptor 1	15743452	Yamada et al. (2005). Endosomal proteases facilitate the fusion of endosomes w...
AS06 127	VTG Sole vitellogenin	18342314	Guzman et al. (2008) Vitellogenin, steroid plasma levels and spawning perform...
AS09 571	Wheat gluten	33731714	Ogawa & Matsumura (2021) Revealing 3D structure of gluten in wheat dough by op...
AS16 3953	WHIRLY1	35212355	Karpinska et al. (2022). WHIRLY1 functions in the nucleus to regulate barley l...
AS11 1759	WUS WUSCHEL protein	27655033	Dory et al. (2016). Kinase-Associated Phosphoisofom Assay: a novel candidate...
AS08 319	XTH-Xet XET5 Xyloglucan xyloglucosyl transferase	26029225	Tsuchiya et al. (2015). Distribution of XTH, expansin, and secondary-wall-rela...
AS08 319	XTH-Xet XET5 Xyloglucan xyloglucosyl transferase		Liu et al. (2013). Brittle Culm1, a COBRA-Like Protein, Functions in Cellulose...
AS08 319	XTH-Xet XET5 Xyloglucan xyloglucosyl transferase	17329246	Hrmova et al. (2007) A barley xyloglucan xyloglucosyl transferase covalently l...
AS16 3135	Xylan-1 / Xyloglucan (clone CCRC-M108)		Otulak-Koziel et al. (2018). Spatiotemporal Changes in Xylan-1/Xyloglucan and ...

AS16 3135	Xylan-1 / Xyloglucan (clone CCRC-M108)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3135	Xylan-1 / Xyloglucan (clone CCRC-M108)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3227	Xylan-3 (clone CCRC-M114)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3227	Xylan-3 (clone CCRC-M114)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3238	Xylan-4 (clone CCRC-M154)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3238	Xylan-4 (clone CCRC-M154)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS16 3229	Xylan-6 (clone CCRC-M138)	22843389	Pattathil et al. (2012). Immunological approaches to plant cell wall and bioma...
AS16 3229	Xylan-6 (clone CCRC-M138)	20363856	Patathil et al. (2010). A comprehensive toolkit of plant cell wall glycan-dire...
AS20 4492	Xyloglucan (clone CCRC-M96)		DeMartini, JD, Pattathil, S, Avcı, U, Szekalski, K, Mazumder, K, Hahn, M.G., W...
AS18 4203	Xyloglucan (monoclonal, clone LM15)		Ruprecht et al. (2017). A Synthetic Glycan Microarray Enables Epitope Mapping ...
AS18 4203-1ml	Xyloglucan (monoclonal, clone LM15)		Ruprecht et al. (2017). A Synthetic Glycan Microarray Enables Epitope Mapping ...
AS18 4203	Xyloglucan (monoclonal, clone LM15)	18498625	Marcus et al. (2008). Pectic homogalacturonan masks abundant sets of xylogluca...
AS18 4204	Xyloglucan (monoclonal, clone LM24)	22988248	Pedersen et a. (2012). Versatile high resolution oligosaccharide microarrays f...
AS18 4204-1ml	Xyloglucan (monoclonal, clone LM24)	22988248	Pedersen et a. (2012). Versatile high resolution oligosaccharide microarrays f...
AS18 4205	Xyloglucan (monoclonal, clone LM25)		Ruprecht et al. (2017). A Synthetic Glycan Microarray Enables Epitope Mapping ...
AS18 4205	Xyloglucan (monoclonal, clone LM25)	22988248	Pedersen et a. (2012). Versatile high resolution oligosaccharide microarrays f...
AS07 267	Xylose	33454966	Yang et al. (2021). Golgi-localized manganese transporter PML3 regulates Arabi...
AS07 267	Xylose		Xavier et al. (2021) Inactivation of N-Acetylglucosaminyltransferase I and alf...
AS07 267	Xylose		Hou et al. (2019). Identification and characterization of a novel glycoprotein...
AS07 267	Xylose	31777161	Lucas et al. (2019). Multiple xylosyltransferases heterogeneously xylosylate p...
AS07 267	Xylose	31777161	Lucas et al. (2019). Multiple xylosyltransferases heterogeneously xylosylate p...
AS07 267	Xylose	29969180	Jansing et al. (2018). CRISPR/Cas9-mediated knockout of six glycosyltransferas...
AS07 267	Xylose	28368034	Nakanishi et al. (2017). Protection of Human Colon Cells from Shiga Toxin by P...
AS07 267	Xylose	28160363	Hanania et al. (2017). Establishment of a tobacco BY2 cell line devoid of plan...
AS07 267	Xylose	25804536	Ebert et al. (2015). Identification and Characterization of a Golgi-Localized ...
AS07 267	Xylose	23912651	Mathieu-Rivet et al. (2013). Exploring the N-glycosylation pathway in Chlamydo...
AS07 273	Ycf3 Photosystem I assembly protein ycf3	26903622	Heinrickel et al. (2016). Tetratricopeptide repeat protein protects photosyste...
AS07 273	Ycf3 Photosystem I assembly protein ycf3	11752384	Naver et al. (2001). Functional studies of Ycf3. The Plant Cell 13:2731- 2746....
AS07 273	Ycf3 Photosystem I assembly protein ycf3	9321389	Boudreau et al. (1997) The chloroplast ycf3 and ycf4 open reading frames of Ch...
AS07 274	Ycf4 photosystem I assembly protein ycf4	26903622	Heinrickel et al. (2016). Tetratricopeptide repeat protein protects photosyste...
AS07 274	Ycf4 photosystem I assembly protein ycf4	11752384	Naver et al. (2001). Functional studies of Ycf3. The Plant Cell 13:2731- 2746....
AS07 274	Ycf4 photosystem I assembly protein ycf4	9321389	Boudreau et al. (1997) The chloroplast ycf3 and ycf4 open reading frames of Ch...
AS12 1848	ZCP2 Zinc Chaperone Protein	23065468	Hsieh et al. (2013). The Proteome of Copper, Iron, Zinc, and Manganese Micronu...