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Tag antibodies

Product number	Product name	Research area
AS22 4822	Anti-Avi-tag	Tags

Product number	Product name	Research area
AS22 4855	Anti-CBD-Tag Chitin Binding Domain Epitope Tag	Tags
AS21 4686	Anti-CBP-tag Calmodulin Binding Protein Eptiope Tag (monoclonal)	Tags
AS22 4854	Anti-CBP-tag Calmodulin Binding Protein Eptiope Tag (polyclonal)	Tags
AS22 4791	Anti-Cpf1 (Francisella novicida, Lachnospiraceae bacterium) CRISPR-associated endonuclease Cas12a	Tags
AS22 4790	Anti-Cpf1 (Acidaminococcus sp) CRISPR-associated endonuclease Cas12a	Tags
AS21 4604	Anti-E Tag	Tags
AS21 4607	Anti-Glu-Glu Tag	Tags
AS21 4603	Anti-HSV epitope tag	Tags
AS21 4681	Anti-HSV epitope tag	Tags
AS21 4680	Anti-KT3 epitope tag	Tags
AS21 4675	Anti-mStrawberry	Tags

Product number	Product name	Research area
AS21 4602	Anti-Rho1D4/1D4 Tag	Tags
AS23 4930	Anti-V5 V5 epitope tag	Tags

Primary antibodies to plant, algal and bacterial proteins

Product number	Product name	Uniprot ID	Tair Gene ID	Research area
AS23 4990	Anti-12S seed storage protein CRC	Q96318	AT4G28520	Developmental biology
AS22 4873	Anti-30S ribosomal protein S15 (bacterial)	P0ADZ4	does not apply	Bacteria
AS23 4993	Anti-ACO1,2,3 Aconitase	Q42560 , A0A178UVE5 , A0A178VV24	AT4G35830 , AT4G2AS21 45386970 , AT2G05710	Mitochondria Respiration

Product number	Product name	Uniprot ID	Tair Gene ID	Research area
AS23 4936	Anti-AGO1 Argonaute 1 (C-terminal)	O04379	AT1G48410	Plant RNA
AS14 2798	Anti-AGO1-PIWI (C-terminal) (algal)	A8J0M9	does not apply	Plant RNA
AS21 4564	Anti-AGO1d Argonaute 1d (Oryza sativa)	Q5Z5B2	does not apply	Plant RNA
AS21 4595	Anti-AGO1d Argonaute 1d	A0A287Y0T8	does not apply	Plant RNA
AS21 4589	Anti-AGO2b Argonaute 2b	A0A287J444	does not apply	Plant RNA
AS21 4590	Anti-AGO4a Argonaute 4a	A0A287KT11	does not apply	Plant RNA
AS21 4591	Anti-AGO5b Argonaute 5b	A0A287HKI5	does not apply	Plant RNA
AS21 4592	Anti-AGO6 Argonaute 6	A0A287E072	does not apply	Plant RNA

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AS10 672	Anti-AGO6 Argonaute 6	Q48771	At2g32940	Plant RNA
AS21 4526	Anti-AGO7 Argonaute 7	Q9C793	AT1G69440	Plant RNA
AS21 4594	Anti-AGO9 Argonaute 9	A0A287KDI2	does not apply	Plant RNA
AS21 4593	Anti-AGO18 Argonaute 18	F4K6Z5	AT5G21105	Plant RNA
AS24 5016	Anti-ALAAT1/2 Alanine aminotransferase 1/2	Q9LDV4 , F4I7I0	AT1G72330 , AT1G17290	Amino acid metabolism
AS24 5026	Anti-Alb3 Albino 3	A0A178VUV3	AT2G28800	Photosynthesis
AS23 4981	Anti-ALDH2 Aldehyde dehydrogenase 2 (plant)	Q9SU63 , Q8S528 , Q56YU0	AT3G48000 , AT1G23800 , AT3G24503	Environmental stress

Product number	Product name	Uniprot ID	Tair Gene ID	Research area
AS23 4942	Anti-AMT1 Ammonium transporter 1	P54144	P54144	Nitrogen metabolism
AS22 4838	Anti-AmoA Ammonia monooxygenase, subunit A	Q04507		Nitrogen metabolism
AS23 4968	Anti-AO (MCO3) L-ascorbate oxidase	F4K6Z5	At5g21105	Developmental biology/Ion metabolism
AS23 4941	Anti-APA1 Aspartic proteinase A1	O65390	AT1G11910	Environmental stress
AS23 4967	Anti-ARF1 ADP-ribosylation factor 1	P36397	AT2G47170	Endomembrane system
AS23 4901	Anti-ARF2 Auxin response factor	A0A654GD70	AT5G62000	Auxins
AS24 5015	Anti-ASP5 Aspartate aminotransferase 5	B9DG21	AT4G31990	Cold stress
AS23 4980	Anti-ATG1a Autophagy protein 1a	Q94C95	AT3G61960	Protein modifications

Product number	Product name	Uniprot ID	Tair Gene ID	Research area
AS21 4611	Anti-ATH1 Homeobox protein ATH1	P48731	AT4G32980	Signal transduction
AS18 4233	Anti-BAK1 Brassino-steroid insensitive 1-associated receptor kinase 1 (other species: rice)	Q6Z4U4	does not apply	Hormones > Brassino-steroids
AS24 5037	Anti-Beta amylase 3, chloroplastic	O23553	AT4G17090	Sucrose metabolism
AS15 2897	Anti-BMY3 beta-amylase 3	Q8VYW2	At5g18670	Sucrose metabolism
AS24 5033	Anti-Beta CA2 Beta carbonic anhydrase 2	P42737		RUBISCO/ Carbon metabolism
AS22 4839	Anti-Beta-proteobacteriaAmoB Ammonia monooxygenase, subunit B	Q04508		Nitrogen metabolism

Product number	Product name	Uniprot ID	Tair Gene ID	Research area
AS16 4088	Anti-BoNT-E Botulinum toxin E			<u>Plant toxins</u>
AS23 4977	Anti-BOP1 Protein BLADE-ON-PETIOLE 1	<u>Q9M1I7</u>	<u>AT3G57130</u>	<u>Development biology / Photomorphogenesis</u>
AS22 4704	Anti-BRAF Bro1 domain protein BRAF	<u>Q0WSL5</u>	<u>At5g14020</u>	<u>Endomembrane</u>
AS22 4703	Anti-BRO1 Vacuolar- sorting protein BRO1	<u>F4HXZ1</u>	<u>At1g15130</u>	<u>Endomembrane</u>
AS23 4987	Anti-Cat3 Catalase 3	<u>Q42547-1</u>	<u>AT1G20620</u>	<u>Environmental stress/Hypoxia</u>
AS23 4956	Anti-CathB (1,2,3) Cathepsin B	<u>Q94K85</u> protease 3 <u>Q93VC9</u> protease 2 <u>F4HVZ1</u> protease 1	<u>AT4G01610</u> (isoform 3) <u>AT1G02305</u> (isoform 2) <u>AT1G02300</u> (isoform 1)	<u>Pathogen attack</u>
AS16 4096	Anti-CcdA	<u>A0A178UMW6</u>	<u>At5g53340</u>	<u>Endomembrane</u>

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AS23 4910	Anti-cFBPase (cytoplasm marker)	Q9MA79	AT1G43670	Compartment markers
AS16 3213	Anti-CK2 beta Casein kinase 2 subunit beta	P40228 , P40229 , O81275 , O80507	At5g47080 , At4g17640 , At3g60250 , At2g44680	Kinases
AS23 4994	Anti-CLC-a Chloride channel protein A	P92941	AT5G40890	Plant RNA
AS23 4995	Anti-CLCa-g Chloride channel protein (a-g)	P92941	AT5G40890	Plant RNA
AS23 4894	Anti-CLV3 CLAVATA 3	Q9XF04	At2g27250	Cell cycle
AS22 4840	Anti-Cmt2 Chromo- methylase 2	Q94F87	AT4G19020	DNA/ RNA/ Cell cycle
AS24 5018	Anti-COIL Coilin (Cajal bodies protein)	Q8RWK8	AT1G13030	DNA/RNA/Cell cycle/Nuclear signaling

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AS23 4889	Anti-CRT1/2 Calreticulin-1/2	Q38858 , O04151	At1g56340 , AT1G09210	Endomembrane
AS22 4829	Anti-CrCGLD27	Q43866	does not apply	Photosynthesis > Green cut
AS23 4890	Anti-CRT3 Calreticulin-3	O04153	AT1G08450	Endomembrane
AS22 4877	Anti-CWInv1 Cell Wall Inveratse 1 (Dicot)	A0A1S3X7U9 , M0ZRR7 , A0A3Q7FW50	does not apply	Cell wall
AS22 4856	Anti-CWInv1 Cell Wall Inveratse 1 (Arabidopsis)	Q43866	AT3G13790	Cell wall
AS20 4445	Anti-CYP81 Cytochrome P450	O65790	AT4G37310	Pathogen attack
AS22 4841	Anti-Death-inducer obliterator 1	XP_015626002.1	does not apply	DNA/ RNA/ Cell cycle
AS23 5000	Anti-DCL2 Dicer-like protein 2 (dicots)	Q3EBC8	AT3G03300	Transcription regulation

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AS22 4720	Anti-DCL3a Dicer-like 104 (maize)		does not apply	<u>Plant RNA</u>
AS22 4721	Anti-DCL4 Dicer-like 4 (maize)		does not apply	<u>Plant RNA</u>
AS23 4943	Anti-DCP2 mRNA-decapping enzyme subunit 2	<u>Q8GW31</u>	<u>AT5G13570</u>	<u>DNA/ RNA/ Cell cycle</u>
AS23 4989	Anti-DGAT1 O-acyl-transferase	<u>A0A178VVE4</u>	<u>AT2G19450</u>	<u>Plant RNA</u>
AS22 4878	Anti-Disease resistance protein RPS2	<u>Q42484</u>	<u>AT4G26090</u>	<u>Pathogen attack</u>
AS24 5014	Anti-DiT1 Dicarboxylate transporter 1	<u>A0A178UA33</u>	<u>AT5G12860</u>	<u>Pathogen attack</u>
AS23 4997	Anti-DIT2.1 Dicarboxylate transporter 2.1	<u>A0A178UKA0</u>	<u>AT5G64290</u>	<u>Environmental stress</u>

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AS23 4952	Anti-DPE2 4-alpha-glucanotransferase	Q8RXD9	AT2G40840	Plant RNA
AS22 4837	Anti-DRM2 DNA (cytosine-5)-methyltransferase DRM2	Q9M548	AT5G14620	Epigenetics/ DNA methylation
AS22 4707	Anti-DRP1E Phragmoplastin DRP1E	Q9FNX5	At3g60190	DNA/ RNA/ Cell cycle
AS23 4973	Anti-E2- OGDH1/E2-OGDH2 E2 subunit of the 2-oxoglutarate dehydrogenase	Q8H107-1 , Q9FLQ4	AT5G55070 , AT4G26910	Plant RNA
AS23 4915	Anti-FBN2 Fibrillin	O82291	AT2G35490	Photosynthesis
AS24 5038	Anti-FBN10 Fibrillin-10	Q8LAP6	AT1G51110	Photosynthesis
AS22 4833	Anti-Ferredoxin nitrite reductase,		does not apply	Nitrogen metabolism

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	chloroplastic (monocot)			
AS24 5025	Anti- FLA Flowering locus A	P0DH90	AT4G00650.1	Development biology > Flowering
AS22 4876	Anti-FRO2 Ferric reduction oxidase 2 (Dicot)	A0A1S4BDR5	does not apply	Oxidative stress
AS24 5035	Anti-FUM2 Fumarase 2	B9DFR5	AT5G50950	Nitrogen metabolism
AS23 4888	Anti-GA1 Ent-copalyl diphosphate synthase, chloroplastic	Q38802	At4g02780	Photosynthesis
AS22 4805	Anti-Gamma-Glu-Cys	does not apply	does not apply	Oxidative stress
AS22 4793	Anti-GLC Glyoxylate carboligase	P0AEP7	does not apply	Bacteria

Product number	Product name	Uniprot ID	Tair Gene ID	Research area
AS19 4300	Anti-GLO1 (S)-2-hydroxy-acid oxidase GLO1	Q9LRR9	AT3G14420	Photorespiration
AS22 4708	Anti-GLU1 Ferredoxin-dependent glutamate synthase 1, chloroplastic/ mitochondrial	Q9ZNZ7	At5g04140	Nitrogen metabolism
AS22 4719	Anti-GSL 1-12 Callose synthase 1-12 (CALS 1-12)			Pathogen attack
AS16 3975	Anti-Hardwood lignin (birch)	Q8RWY5	AT3G10040	Cell Wall
AS23 4892	Anti-HDA19 Histone deacetylase 19	O22446	AT4G38130	DNA/ RNA/ Cell cycle
AS23 4917	Anti-HOS1 E3 ubiquitin-protein ligase HOS1	Q84JU6	At2g39810	Cold stress

Product number	Product name	Uniprot ID	Tair Gene ID	Research area
AS23 4976	Anti-HRA1 Hypoxia Response Attenuator 1			Environmental stress
AS06 136	Anti-HYL1 Hyponastic leave phenotype ds-RNA binding protein	O04492	At1g09700	Plant RNA
AS22 4815	Anti-ICL Isocitrate lyase	P15479	does not apply	Carbohydrates
AS23 4958	Anti-ICS1 Isochorismate synthase 1, chloroplastic (monocots)	A0A1D6I2X7	does not apply	Environmental stress > Pathogen attack
AS23 4957	Anti-IRT1 Ion transport-like protein (barley)	B4YHA7	does not apply	Heavy metal stress
AS22 4795	Anti-katE Catalase HP11 (bacterial)	P21179	does not apply	Bacteria

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AS22 4799	Anti-L10 Ribosomal protein L10 family protein	<u>Q9LHH1</u>	<u>At3g12370</u>	<u>Translation</u>
AS16 4074	Anti-Laccase	<u>A0A178V5P5</u>	<u>AT3G09220</u>	<u>Cell Wall</u>
AS23 4918	Anti-LHP1 Chromo domain-containing protein LHP1	<u>Q946J8</u>	<u>AT5G17690</u>	<u>Senescence/ Cell death</u>
AS15 2904	Anti-MKK1 Mitogen-activated protein kinase kinase 1	<u>Q94A06</u>	<u>AT4G26070</u>	<u>Signal transduction</u>
AS23 4900	Anti-MTP1 vacuolar Zn ²⁺ /H ⁺ antiporter	<u>Q9ZT63</u>	<u>AT2G46800</u>	<u>Vacuolar membrane</u>
AS22 4865	Anti-NCED3 9-cis-epoxycarotenoid dioxygenase NCED3	<u>Q9LRR7</u>	<u>At3g14440</u>	<u>Environmental stress</u>

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AS23 4972	Anti-NEDD8 Ubiquitin-NEDD8-like protein RUB	Q9SHE7 , Q8RUC6	AT1G31340 , AT2G35635	Protein modifications
AS16 4108	Anti-NPR1 Nonexpresser of PR genes 1 (other species)	Q5D0W8	does not apply	Pathogen attack
AS22 4882	Anti-OPT3 Oligopeptide transporter 3 (Dicot)	A0A1S3XHU0 , M1B0Z5 , A0A3Q7JJS2	does not apply	Plant signal transduction
AS22 4826	Anti-P2K1 L-type lectin-domain containing receptor kinase I.9	Q9LSR8-1	AT5G60300	Pathogen attack
AS22 4862	Anti-P58IPK DnaJ protein P58IPK homolog	Q9LYW9	At5g03160	Endomembrane

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AS24 5004	Anti-PAB2 Polyadenylate binding protein 2	A0A178UWB3	AT4G34110	DNA/ RNA/ Cell cycle
AS22 4857	Anti-PAP17 Purple acid phosphatase 17 (A.thaliana)	Q9SCX8	AT3G17790	Senescence/ Cell death
AS23 4965	Anti-PAP17 Purple acid phosphatase 17 (Dicots)	M1CK79	does not apply	Senescence/ Cell death
AS23 4969	Anti-PBA1 20S proteasome beta subunit A1	F4JRY2-1	At4g31300	Plant proteasome
AS23 4991	Anti-PBCP Photo-system II core phosphatase	O64730	AT2G30170	Photosynthesis
AS23 4992	Anti-PBCP Photo-system II core phosphatase	O64730	AT2G30170	Photosynthesis

Product number	Product name	Uniprot ID	Tair Gene ID	Research area
AS24 5005	Anti-PDAT1 Phospholipid diacylglycerol acyltransferase	A0A178UIJ4	AT5G13640	Lipid metabolism
AS22 4781	Anti-PDF2.2 Defensin-like protein 2	Q39182	AT2G02100	Pathogen attack
AS22 4834	Anti-PDH-E1 ALPHA Pyruvate dehydrogenase E1 component subunit alpha-3, chloroplastic	O24457	AT1G01090	Carbohydrates
AS22 4835	Anti-PDH-E1 BETA Pyruvate dehydro- genase E1 component subunit beta-2 (chloroplastic)	Q9C6Z3	AT1G30120	Carbohydrates
AS24 5023	Anti-PDLP5 Plasmodesmata- located protein 5	Q8GUJ2	AT1G70690	Environmental stress > Pathogen attack

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AS16 4110	Anti-PEPC 1 Phosphoenolpyruvate carboxylase 1	Q9MAH0	AT1G53310	Photosynthesis
AS23 4922	Anti-PGL35 Plasto-globulin 35; FIB1a; FBN1a	O81439	AT4G04020	Photosynthesis
AS16 4068	Anti-PHR2 Phyto-lyase/Blue light receptor 2	Q058P5	AT2G47590	Transcription regulation
AS23 4898	Anti-PhyB Phytochrome B (monocots)	A0A3L6DA94 , A0A317YJ19	does not apply	Photomorphogenesis
AS23 4937	Anti-PhyC Phytochrome C	P14714	AT5G35840	Photomorphogenesis
AS23 4939	Anti-PhyD Phytochrome D	P42497	AT4G16250	Photomorphogenesis
AS23 4935	Anti-PhyE Phytochrome E	P42498	AT4G18130	Photomorphogenesis

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AS23 4959	Anti-PI3K Phosphatidylinositol 3-kinase VPS34	P42339	At1g60490	Autophagy
AS22 4853	Anti-PII Nitrogen regulatory protein P-II homolog	Q9ZST4	AT4G01900	Nitrogen metabolism
AS22 4843	Anti-PIN3 Auxin efflux carrier component 3	Q9S7Z8	AT1G70940	Auxins
AS23 4907	Anti-PIN6 Auxin efflux carrier component 6	Q9SQH6	At1g77110	Auxins
AS22 4811	Anti-PIP1;3 Aquaporin, plasma membrane intrinsic protein 1-3	Q9SXF8	does not apply	Plasma membrane
AS22 4813	Anti-PIP2;2 Plasma membrane aquaporin 2b	Q9MB99	does not apply	Plasma membrane

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AS23 4979	Anti-PROF Profilin	Q42449 Profilin 1 Q42418 Profilin 2	AT2G19760 , AT4G29350 ,	Cytoskeleton
AS23 4978	Anti-PROF1/2 Profilin 1, 2	Q42449 Profilin 1 Q42418 Profilin 2	AT2G19760 , AT4G29350	Developmental biology
AS23 4955	Anti-PUB11 Plant U-Box Protein 11	Q8GUG9	AT1G23030	Plant RNA
AS23 4986	Anti-RabG Ras-related protein RABG	Q9LS94	AT3G18820	Membrane transport system / Endomembrane
AS22 4823	Anti-RAD21 Cohesin complex component	Q8W1Y0	AT5G16270	Cell cycle
AS22 4850	Anti-RAD51 A/B DNA repair protein RAD51 homolog A/B (monocots)	Q67EU8	does not apply	Transcription regulation
AS23 4912	Anti-Raptor1/2 Regulatory-associated protein of TOR 1/2	Q93YQ1	AT3G08850	Plant signal transduction

Product number	Product name	Uniprot ID	Tair Gene ID	Research area
AS23 4933	Anti-RbcS I Ribulose biphosphate carboxylase small subunit (cyanobacterial)	P0A4S6	does not apply	RUBISCO/ Carbon metabolism
AS22 4723	Anti-RDR6 Zea mays RNA-dependent RNA polymerase 6		does not apply	Transcription regulation
AS24 5011	Anti-REC8 Sister chromatid cohesion 1 protein	A0A078IS68	does not apply	Cell cycle
AS23 4893	Anti-REM1.2/1.3 Remorin	O80837	AT2G45820	Plasma membrane
AS22 4859	Anti-RNS3 Ribo-nuclease 3	P42815	At1g26820	Developmental biology/ Senescence
AS22 4713	Anti-RPE Ribulose-5-phosphate-3-epimerase, chloro-plastic	Q9SAU2	At5g61410	RUBISCO/ Carbon metabolism

Product number	Product name	Uniprot ID	Tair Gene ID	Research area
AS24 5009	Anti-ROS1 Repressor of silencing 1	Q9SJQ6	AT2G36490	Transcription regulation
AS24 5003	Anti-SAD6 Stearoyl-ACP desaturase 6 (chloroplastic)	Q84VY3	AT1G43800	Environmental stress/Hypoxia
AS23 4949	Anti-SIG5 RNA polymerase sigma factor sigE	Q9ZNX9	AT5G24120	Transcription regulation
AS22 4824	Anti-SMC-1 Structural maintenance of chromosomes protein 1	Q6Q1P4	AT3G54670	Cell cycle
AS16 3936	Anti-SNX1 Sorting nexin 1	Q9FG38	At5g06140	Endomembrane system
AS16 3974	Anti-Softwood lignin (spruce)			Cell Wall
AS24 5028	Anti-SRP1 Small rubber particle protein	Q9FYF7	AT1G67360	Environmental stress/Drought

Product number	Product name	Uniprot ID	Tair Gene ID	Research area
AS24 5007	Anti-Sub1A Sub1a protein (rice)	Q0P1A7, Q0P1A8		<u>Plant RNA</u>
AS22 4714	Anti-SUC2 Sucrose transport protein SUC2 (monocots)	<u>Q0ILJ3</u>	does not apply	<u>Sucrose metabolism</u>
AS23 4909	Anti-SUS4 Sucrose synthase 4	<u>Q9LXL5</u>	<u>AT3G43190</u>	<u>Photosynthesis</u>
AS22 4820	Anti-SQE1-3 Squalene epoxidase1-3	<u>Q9SM02</u> <u>Q8VYH2</u> <u>O81000</u>	At1g58440, At2g22830, At4g37760	Terpene metabolism
AS22 4821	Anti-SQS1 Squalene synthase	<u>P53799</u>	AT4G34640	Terpene metabolism
AS23 4945	Anti-Sweet4 Bidirectional sugar transporter SWEET4	<u>Q944M5</u>	<u>AT3G28007</u>	<u>Membrane transport system</u>
AS23 4929	Anti-TBP1/2 TATA BINDING PROTEIN 1/2	<u>P28147</u> , <u>P28148</u>	<u>AT3G13445.1</u> , <u>AT1G55520.1</u>	<u>Transcription regulation</u>

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AS23 4961	Anti-TDT Tonoplast dicarboxylate transporter	Q8LG88	AT5G47560	Plant RNA
AS23 4925	Anti-TE1 Protein terminal ear 1		A0A8J8Y200	Plant RNA
AS24 5029	Anti-TIR1 Transport inhibitor response 1	Q570C0	At3g62980	Hormones / Biosynthesis/regulation
AS23 4897	Anti-TOC1 TIMING OF CAB EXPRESSION 1	Q9LKL2	AT5G61380	Signal transduction
AS23 4924	Anti-Toc75 Protein TOC75 (monocots)	Q84Q83	does not apply	Photosynthesis
AS16 4032	Anti-TPC1 Two pore calcium channel protein 1	Q6S5H8	does not apply	Plasma membrane
AS13 2663	Anti-VAS1 Reversal of SAV3 phenotype 1	Q9C969	AT1G80360	Signal transduction

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AS22 4814	Anti-V-ATPase, A Vacuolar H ⁺ -ATPase subunit A	Q23654	At1g78900	Vacuolar membrane
AS23 4920	Anti-V-ATPase Epsilon subunit of tonoplast H ⁺ ATPase	Q39258 , P0CAN7 , Q9C9Z8	AT4G11150 , AT1G64200 , AT3G08560	Vacuolar marker
AS23 4984	Anti-WHY2 Whirly2	Q8VYF7	AT1G71260	Cell cycle
AS23 4985	Anti-XTH-Xet XET Xyloglucan xylogl- ucosyl transferase	F2CUQ3		Cell Wall
AS24 5027	Anti-Ycf4 Photosystem I assembly protein Ycf4	A0A1B1W4V4	ATCG00520	Photosynthesis