

SCORE	AGI code	Gene name or annotations
922	At1g54010	GLL23
856	At1g54030	ERMO3/MVP1/GOLD36
737	At1g54000	GLL22
389	At3g16460	JAL34
375	<i>At4g28520</i>	<i>12S seed storage protein, putative / cruciferin, putative ((CRU3))</i>
345	<i>At5g50600</i>	<i>short-chain dehydrogenase/reductase (SDR) family protein</i>
252	At3g09260	PYK10/BGLU23
203	<i>At4g27160</i>	<i>2S seed storage protein 3 / 2S albumin storage protein / NWMU2-2S albumin 3</i>
199	<i>At4g27150</i>	<i>2S seed storage protein 2 / 2S albumin storage protein / NWMU2-2S albumin 2</i>
159	At3g16420	PBP1
118	At3g14210	GLL65
112	At1g58270	ZW9; MATH-domain containing protein
111	<i>At3g27660</i>	<i>glycine-rich protein / oleosin</i>
107	<i>At1g20620</i>	<i>catalase 3 (SEN2) ((CAT3, SEN2))</i>
103	<i>At3g01570</i>	<i>glycine-rich protein / oleosin</i>
87	<i>At4g27170</i>	<i>2S seed storage protein 4 / 2S albumin storage protein / NWMU2-2S albumin 4</i>
83	<i>At3g26650</i>	<i>glyceraldehyde 3-phosphate dehydrogenase A, chloroplast (GAPA) / NADP-dependent glyceraldehydephosphate dehydrogenase subunit A ((GAPA))</i>
78	<i>At5g21274</i>	<i>calmodulin-6 (CAM6) ((CAM6))</i>
72	<i>At1g49240</i>	<i>actin 8 (ACT8) ((ACT8))</i>
72	<i>At1g42970</i>	<i>glyceraldehyde-3-phosphate dehydrogenase B, chloroplast (GAPB) / NADP-dependent glyceraldehydephosphate dehydrogenase subunit B ((GAPB))</i>
65	<i>At4g28390</i>	<i>ADP, ATP carrier protein, mitochondrial, putative / ADP/ATP translocase, putative / adenine nucleotide translocator, putative ((AAC3))</i>
65	<i>At5g13490</i>	<i>ADP, ATP carrier protein 2, mitochondrial / ADP/ATP translocase 2 / adenine nucleotide translocator 2 (ANT2) ((AAC2))</i>
62	<i>At1g17810</i>	<i>major intrinsic family protein / MIP family protein ((BETA-TIP))</i>
61	<i>At4g35090</i>	<i>catalase 2 ((CAT2))</i>
56	<i>At1g31340</i>	<i>ubiquitin family protein ((RUB1))</i>
56	<i>At5g54740</i>	<i>protease inhibitor/seed storage/lipid transfer protein (LTP) family protein</i>
55	<i>At1g03880</i>	<i>12S seed storage protein (CRB) ((CRU2))</i>
49	At1g54020	GLL24
43	At3g20370	MATH-domain containing protein
43	At3g21370	BGLU19
43	At1g52400	BGLU18
43	<i>At5g44120</i>	<i>12S seed storage protein (CRA1) ((CRA1))</i>
39	<i>At4g22010</i>	<i>multi-copper oxidase type I family protein</i>
36	<i>At1g48990</i>	<i>glycine-rich protein / oleosin</i>
35	<i>At5g58510</i>	<i>expressed protein</i>
32	<i>At1g80450</i>	<i>VQ motif-containing protein</i>
30	<i>At5g65950</i>	<i>expressed protein</i>
29	<i>At3g21000</i>	<i>expressed protein</i>
28	<i>At5g45520</i>	<i>hypothetical protein</i>
28	<i>At2g16640</i>	<i>chloroplast outer membrane protein, putative</i>
28	<i>At1g77280</i>	<i>protein kinase family protein</i>
28	<i>At4g15830</i>	<i>expressed protein</i>
28	<i>At5g23060</i>	<i>expressed protein</i>
27	<i>At2g40690</i>	<i>NAD-dependent glycerol-3-phosphate dehydrogenase family protein ((SFD1))</i>
27	<i>At5g02570</i>	<i>histone H2B, putative</i>
27	<i>At1g59980</i>	<i>DNAJ heat shock N-terminal domain-containing protein</i>
27	<i>At1g73360</i>	<i>homeobox-leucine zipper family protein / lipid-binding START domain-containing protein</i>
27	<i>At2g19240</i>	<i>RabGAP/TBC domain-containing protein</i>
26	<i>At3g63390</i>	<i>expressed protein</i>
26	<i>At1g73450</i>	<i>protein kinase, putative</i>
26	<i>At5g61160</i>	<i>transferase family protein</i>
26	<i>At3g01020</i>	<i>iron-sulfur cluster assembly complex protein, putative</i>
26	<i>At5g35980</i>	<i>protein kinase family protein</i>
26	<i>At2g13640</i>	<i>Golgi GDP mannose transporter (GONST1)</i>
25	<i>At3g44050</i>	<i>kinesin motor protein-related</i>
25	<i>At5g18820</i>	<i>chaperonin, putative</i>
25	<i>At4g31240</i>	<i>expressed protein</i>
25	<i>At3g19270</i>	<i>cytochrome P450 family protein ((CYP707A4))</i>
24	<i>At2g44410</i>	<i>expressed protein</i>
24	<i>At1g48920</i>	<i>nucleolin, putative</i>
24	<i>At2g37430</i>	<i>zinc finger (C2H2 type) family protein (ZAT11)</i>
24	<i>At1g19140</i>	<i>expressed protein</i>
23	<i>At3g13880</i>	<i>pentatricopeptide (PPR) repeat-containing protein</i>
22	<i>At5g14970</i>	<i>expressed protein</i>
22	<i>At5g18510</i>	<i>hypothetical protein</i>
22	<i>At5g16020</i>	<i>stress protein-related</i>
21	<i>At4g19230</i>	<i>cytochrome P450 family protein ((CYP707A1))</i>
20	<i>At5g20350</i>	<i>zinc finger (DHHC type) family protein / ankyrin repeat family protein</i>
19	<i>At5g20140</i>	<i>SOUL heme-binding family protein</i>
19	<i>At1g13610</i>	<i>expressed protein</i>
19	<i>At1g51480</i>	<i>disease resistance protein (CC-NBS-LRR class), putative</i>
19	<i>At1g06470</i>	<i>phosphate translocator-related</i>
18	<i>At3g06620</i>	<i>protein kinase family protein</i>
17	<i>At2g43760</i>	<i>molybdopterin biosynthesis MoaE family protein</i>
16	<i>At1g64670</i>	<i>hydrolase, alpha/beta fold family protein</i>
14	<i>At4g15210</i>	<i>beta-amylase (BM1) / 1,4-alpha-D-glucan maltohydrolase ((ATBETA-AMY, RAM1))</i>

Supplemental Table 1. ERMO3/MVP1/GOLD36-interacting proteins identified by anti-HA pull-down followed by mass spectrometry. Proteins present in anti-HA precipitates from ERMO3-HA were identified by LTQ-Orbitrap mass spectrometry. Proteins also identified in anti-HA precipitates from non-transgenic CS60000 were excluded. Arabidopsis Genome Initiative (AGI) codes and annotations were obtained from the TAIR website (<http://www.Arabidopsis.org/>) and the ATTED-II website (<http://atted.jp>). Scores were calculated using Mascot software.