

Table 1 Suppl. Sequences of transcript-specific primers of 16 differentially expressed genes and reference genes used in real-time quantitative PCR. Ubiquitin C (UBC) is the reference gene. TM - melting temperature.

Gene id	Forward primer (5'-3')	Reverse primer (5'-3')	TM [°C]
UBC	CCGTTTGTAGAGCCATAATTGCA	AGGTTGCCTGAGTCACAGTTAAGTG	64.8
LOC_Os01g53880	AAGCCAGTCCATTCTCCAT	TTCGGCAGTTTCATAGTCG	50.6
LOC_Os01g59660	TCAGCCGTTTCTATAAGCA	GCATCCCTGTCTGGTTT	59.3
LOC_Os03g08470	ATGGCTTGCTTGATTACCGA	AACAACCACGACCACGATAA	59.3
LOC_Os03g63970	TCGGCTGGAGTTGAAGAGG	TCATCTCGTGGCAGTAGCG	64.2
LOC_Os06g12610	GCACGGCGGTCATCTTT	CATTGCTGCTTGGTTGCTT	62.1
LOC_Os06g15620	TATGGGCTGACCGAAAC	GAAGGCGATGGAAAGGA	55.3
LOC_Os06g33640	TTATTGTGACCGGATGT	TCAAGCAACTCTAACCTC	57.4
LOC_Os06g33690	GGTCGCATCATTTGTAGTGG	CAGCAAGGGTCATAAGGT	54.8
LOC_Os07g35940	GAGGGACAGAACTACAGCA	CTCATCAAAGGGAAATGG	58.0
LOC_Os08g36900	AAGTACGGCACGGAGGCGGA	GCGGTGGTTGATGACGAT	62.1
LOC_Os08g45110	GGCTCGGCACCTTCAACAC	GAAGCCCTCCAGCCCAAAG	60.2
LOC_Os09g28420	GCTACGCCTACATCCTCACA	CTCCTCCTCAGGTTCCAG	58.4
LOC_Os09g35030	GCTCCTACCGCACCCCTCG	GCGAGGCGGTGCCAGAAGAA	64.3
LOC_Os10g05690	CATCTGGACAAGCGGACAT	GGCGGTGTAGGTGGTCAT	64.8
LOC_Os12g40890	TGGAACTGTGGGTCTCAT	CGTAGGTTGGCACTTATTCAG	60.0
LOC_Os12g40900	GCAGCCACGAAGACAAA	CGGCGAACTCACCAACT	59.3

Table 2 Suppl. Sixteen differentially expressed genes and their functional predictions after 48-h imbibition. Fold change = imbibed dormancy-broken seeds/imbibed dormant seeds (GA - gibberellic acid).

Classification	Gene	Locus	Fold change	Annotation
ABA related genes	LOC_Os06g33640	chr6:19581997-19585408	-3.43124	ABA receptor 3
	LOC_Os06g33690	chr6:19604054-19606116	-3.68598	ABA receptor 4
GA related genes	LOC_Os01g59660	chr1:34508363-34512781	3.07808	transcription factor GAMYB
	LOC_Os03g63970	chr3:36150663-36152517	3.44147	gibberellin 20 oxidase 1
	LOC_Os06g15620	chr6:8847701-8848847	6.08264	GA-regulated GASA/GAST/Snakin family protein
IAA related genes	LOC_Os01g53880	chr1:30975764-30979770	3.71631	auxin-responsive protein IAA6
	LOC_Os06g12610	chr6:6866392-6869521	3.86081	probable auxin efflux carrier component 1c
	LOC_Os10g05690	chr10:2849595-2855809	3.77971	auxin transporter-like protein 3
	LOC_Os12g40890	chr12:25310811-25316229	2.47192	auxin-responsive protein IAA30
	LOC_Os12g40900	chr12:25325548-25327567	3.86763	auxin-responsive protein IAA31
Transcription factors	LOC_Os08g45110	chr8:28321215-28322394	-3.04841	dehydration-responsive element-binding protein 2C
	LOC_Os09g35030	chr9:20403148-20404332	-3.82956	dehydration-responsive element-binding protein 1A
	LOC_Os03g08470	chr3:4348669-4350541	4.76422	AP2 domain containing protein
Amylase related genes	LOC_Os07g35940	chr7:21486603-21506356	9.73124	β -amylase (BMV) genes
	LOC_Os08g36900	chr8:23335164-23337151	4.14368	α -amylase isozyme 3E
	LOC_Os09g28420	chr9:17296165-17305076	4.00655	α -amylase isozyme 3B

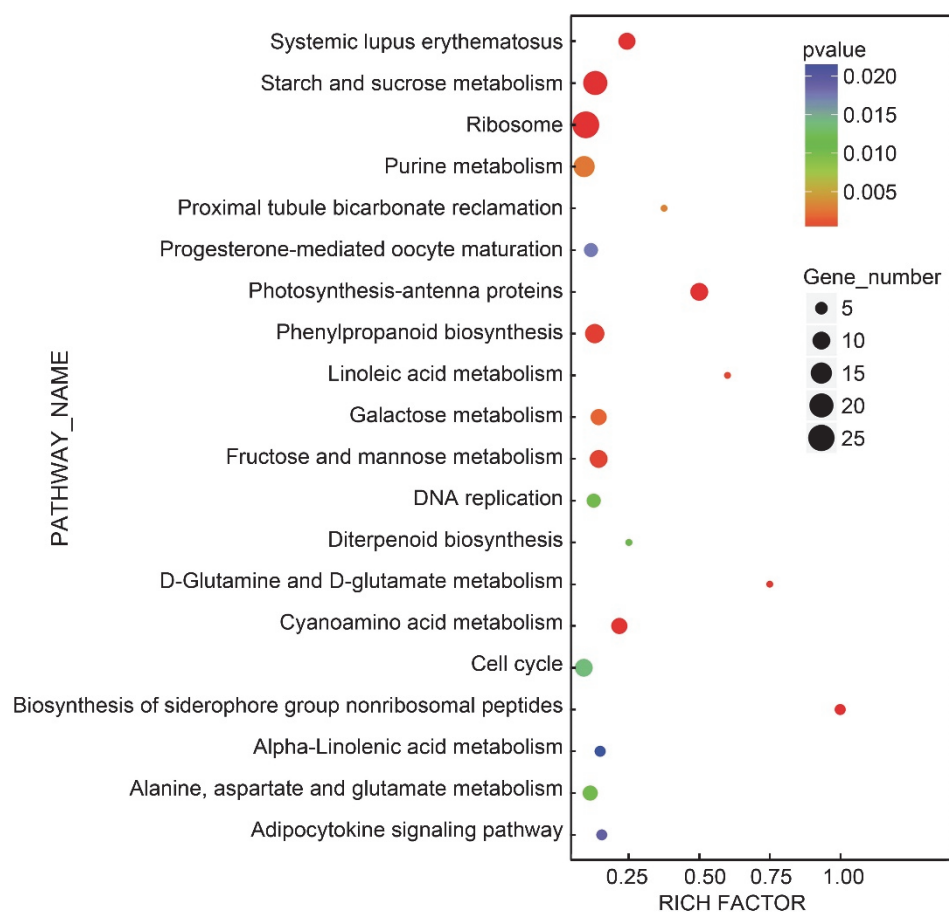


Fig. 1 Suppl. *KEGG* enrichment analysis of differentially expressed genes (DEGs) between 48 h-imbibed dormant seeds and 48 h-imbibed dormancy-broken seeds.