Table 1. Transcripts derepressed in *KK* mutant seedlings as identified by microarray analysis[a]

[a]Total RNAs were isolated from the 4-day-old Col-0 and *KK* seedlings germinated on medium containing 1% sucrose. Cy3- and Cy5-labeled cDNA probes were synthesized and hybridized to the *Arabidopsis* 3 oligonucleotide microarray (Agilent Technologies, Palo Alto, CA) according to the manufacturer's instructions and analyzed as described previously (1). The microarray analysis was performed with two independently isolated RNA samples. Transcripts that were more than 30-fold higher in *KK* seedlings than in Col-0 seedlings in both of the two independent experiments are listed along with four transcripts for transcription factors that were increased more than 4-fold. The raw data files plus the details of experimental conditions have been deposited in the public microarray database (www.ebi.ac.uk/arrayexpress) under accession number E-MEXP-542.

[b]Ratio of the level of transcripts in *KK* seedlings relative to those in Col-0 seedlings. Means of results obtained with two independent RNA samples ± SD are shown. Ole, oleosin protein family; 12S, 12S globulin seed storage protein family; 2S, 2S albumin seed storage protein family; TF, transcription factors.

1. Yoine M, Ohto M, Onai S, Mita S, Nakamura K (2006) *Plant J* 47:49-62.

AGI Code	Gene description	Group	*KK* /Col-0b	
			Average fold	S.D.
At3g27660	oleosin S2 (**OleS2**)	**Ole**	179	3
At5g44120	12S seed storage protein (**CRA1**)	**12S**	131	65
At3g01570	oleosin S1 (**OleS1**)	**Ole**	128	6
At1g47540	trypsin inhibitor putative, AtTI2-like		118	6
At4g28520	12S seed storage protein (**CRC**)	**12S**	113	14
At4g27170	2S seed storage protein 4 (**At2S-4**)	**2S**	100	7
At5g54740	2S seed storage proteins (**At2S-5**)	**2S**	95	1
At3g22640	cupin family protein		82	5
At4g26740	embryo-specific protein 1 (**ATS1**)		80	7
At4g25140	oleosin S3 (**OleS3**)	**Ole**	75	10
At1g03880	12S seed storage protein (**CRB**)	**12S**	74	5
At5g51210	oleosin S5 (**OleS5**)	**Ole**	74	15
At2g31985	expressed protein		73	5
At5g40420	oleosin S4 (**OleS4**)	**Ole**	71	3
At5g55240	embryo-specific protein, ATS1-like		69	1
At4g27150	2S seed storage protein 2 (**At2S-2**)	**2S**	69	3
At1g03890	cupin family protein		68	5
At5g47670	LEC1-like (**L1L**)	**TF**	65	28
At4g27140	2S seed storage protein 1(**At2S-1**)	**2S**	65	3
At2g28490	cupin family protein		62	5
At2g15010	thionin, putative		60	37
At5g27200	acyl carrier protein (**ACP5**)		60	7
At1g48130	peroxiredoxin (**PER1**)		58	8
At3g28150	expressed protein		56	18
At4g30880	seed storage,lipid transfer protein (LTP) family protein		56	10
At5g01300	phosphatidylethanolamine-binding family protein		54	45
At3g12203	serine carboxypeptidase S10 family protein (**SCPL17**)		51	1
At5g05290	expansin (**EXP2**)		48	5
At3g44460	bZIP transcription factor (**DPBF2/AtbZIP67**)	**TF**	47	6
At1g05510	expressed protein		46	12
At3g63040	expressed protein		45	10
At2g34700	pollen Ole e 1 allergen and extensin family protein		40	2
At1g67100	LOB domain protein 40 (**LBD40**)	**TF**	40	7
At1g48800	terpene synthase/cyclase family protein		36	6
At2g05580	unknown protein		36	3
At3g24650	**ABI3**	**TF**	8	1
At2g41070	**EEL/DPBF4**	**TF**	7	0
At3g26790	**FUS3**	**TF**	5	1
At3g54320	**WRI1/ASML1**	**TF**	4	0