

Table S1. Primers used in qRT-PCR

Name	Sequence	Target
CL_RT_15	GGCCTTGATAATCCCTGATGAATAAG	At Ubiquitin 10
CL_RT_16	AAAGAGATAACAGGAACGGAAACATAGT	At Ubiquitin 10
MC_122	TGCCATAAACCCCTTTTTGT	St 60S (clone STMCK67)
MC_123	AACAATGGCGGCTAAGAAGA	St 60S (clone STMCK67)
MC_132	TGGGCTCATAATCTCGAATC	St CAF1a (clone STMDD59)
MC_133	GCTTGAAAACAACACCAGGAA	St CAF1a (clone STMDD59)
MC_201	GATCAGATCGAAACGACCTCGTA	St ZAT10 (PUT32825/45213)
MC_202	ATCTTCGGAAATAATTGGTTGTTGT	St ZAT10 (PUT32825/45213)
MC_203	TGCGCGTGACTTTGACCTAA	St ZAT10 (PUT22122/22120)
MC_204	AGTCAATGGTCAGATCCAATTGG	St ZAT10 (PUT22122/22120)
MC_205	GGTCCGAGGTCGATCTGGTA	St Myb73 (PUT69025)
MC_206	AAGCACGTATGCTCCACTTGAG	St Myb73 (PUT69025)
MC_207	CCCACCACAATTATTCAAACGA	St ZAT12 (PUT68089)
MC_208	GAAGGTGCTAGTAGTGGTGAATTGG	St ZAT12 (PUT68089)
MC_212	GCTTGATGCTTCTGCTGATGTG	St CZF1 (PUT12601)
MC_213	AGATCAGGTCAACAGCTCGTTTC	St CZF1 (PUT12601)
MC_214	TCACCCACCTGCATTACAG	St CZF1 (PUT25814/25815)
MC_215	CCCGAGCGTTTAGAGATGTCTT	St CZF1 (PUT25814/25815)
MC_216	TTAGTCTGGAAAATGACTTGTGATTCA	St CDF3 (clone STM CY67)
MC_217	GAGACGACCACCGGAAGTATCT	St CDF3 (clone STM CY67)
MC_323	GGTTTGGTTAGGCACATTTAACG	St RAV1 (PUT3404/3405)
MC_324	GGCCGCGACGTCGTAA	St RAV1 (PUT3404/3405)
SJG_80	TTCCGTCCGTACAGTGGAAAT	At CBF3
SJG_81	AACTCCATAACGATACGTCGTC	At CBF3

At – *Arabidopsis thaliana*; St – *Solanum tuberosum*

Table S2. Affymetrix cel files used to identify *A. thaliana* cold-regulated genes

Array Name	Reference
COLD_12H_ROOT_REP1.cel	Kilian et al. (2007)
COLD_12H_ROOT_REP2.cel	Kilian et al. (2007)
COLD_12H_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_12H_SHOOT_REP2.cel	Kilian et al. (2007)
COLD_1H_ROOT_REP1.cel	Kilian et al. (2007)
COLD_1H_ROOT_REP2.cel	Kilian et al. (2007)
COLD_1H_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_1H_SHOOT_REP2.cel	Kilian et al. (2007)
COLD_24H_ROOT_REP1.cel	Kilian et al. (2007)
COLD_24H_ROOT_REP2.cel	Kilian et al. (2007)
COLD_24H_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_24H_SHOOT_REP2.cel	Kilian et al. (2007)
COLD_30MIN_ROOT_REP1.cel	Kilian et al. (2007)
COLD_30MIN_ROOT_REP2.cel	Kilian et al. (2007)
COLD_30MIN_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_30MIN_SHOOT_REP2.cel	Kilian et al. (2007)
COLD_3H_ROOT_REP1.cel	Kilian et al. (2007)
COLD_3H_ROOT_REP2.cel	Kilian et al. (2007)
COLD_3H_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_3H_SHOOT_REP2.ce	Kilian et al. (2007)
COLD_6H_ROOT_REP1.cel	Kilian et al. (2007)
COLD_6H_ROOT_REP2.cel	Kilian et al. (2007)
COLD_6H_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_6H_SHOOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_0MIN_ROOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_0MIN_ROOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_0MIN_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_0MIN_SHOOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_12H_ROOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_12H_ROOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_12H_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_12H_SHOOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_1H_ROOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_1H_ROOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_1H_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_1H_SHOOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_24H_ROOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_24H_ROOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_24H_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_24H_SHOOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_30MIN_ROOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_30MIN_ROOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_30MIN_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_30MIN_SHOOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_3H_ROOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_3H_ROOT_REP2.cel	Kilian et al. (2007)

COLD_CONTROL_3H_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_3H_SHOOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_6H_ROOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_6H_ROOT_REP2.cel	Kilian et al. (2007)
COLD_CONTROL_6H_SHOOT_REP1.cel	Kilian et al. (2007)
COLD_CONTROL_6H_SHOOT_REP2.cel	Kilian et al. (2007)
MTE2A.cel	Vogel et al. (2005)
MTE2B.cel	Vogel et al. (2005)
MTWSA.cel	Vogel et al. (2005)
MTWSB.cel	Vogel et al. (2005)
MTWT0HAPLATE.cel	Vogel et al. (2005)
MTWT0HBPLATE.cel	Vogel et al. (2005)
MTWT1HAPLATE.cel	Vogel et al. (2005)
MTWT1HBPLATE.cel	Vogel et al. (2005)
MTWT24HAPLATE.cel	Vogel et al. (2005)
MTWT7DAPLATE.cel	Vogel et al. (2005)
MTWT7DBPLATE.cel	Vogel et al. (2005)
Col_0h_1273-MT.cel	Unpublished
Col_0h_943MT.cel	Unpublished
Col_24h_947MT.cel	Unpublished
Col_24h_948MT.cel	Unpublished
Col_24h_r4_1249-MT.cel	Unpublished
Col_24h_z3_1532-MT.cel	Unpublished
Col_2h_944MT.cel	Unpublished
Col_lc_8h_1051-MT.cel	Unpublished
Col_7d_1526-MT.cel	Unpublished
Cvi_24h_949MT.cel	Unpublished
Cvi_24h_950MT.cel	Unpublished
Cvi_24h_951MT.cel	Unpublished
DN93_7d_1546-MT.cel	Unpublished
DNx96_7d_1528-MT.cel	Unpublished
DN89_0h_1248-MT.cel	Unpublished
DN89_24h_1263-MT.cel	Unpublished
DN96_0h_1272-MT.cel	Unpublished
DN96_24h_1250-MT.cel	Unpublished

Table S3: *A. thaliana* cold-regulated genes

Cold-induced genes	Cold-repressed genes
AT1G01420	AT1G01120
AT1G01470	AT1G01170
AT1G01500	AT1G01320
AT1G01650	AT1G01360
AT1G01940	AT1G01430
AT1G02270	AT1G01490
AT1G02310	AT1G01620
AT1G02330	AT1G01770
AT1G02340	AT1G02640
AT1G02370	AT1G02820
AT1G02400	AT1G03090
AT1G02460	AT1G03130
AT1G02660	AT1G03400
AT1G02820	AT1G03850
AT1G02870	AT1G03870
AT1G03360	AT1G04350
AT1G03530	AT1G05385
AT1G03905	AT1G05560
AT1G04240	AT1G06430
AT1G04870	AT1G06510
AT1G04945	AT1G06640
AT1G05000	AT1G07350
AT1G05170	AT1G07440
AT1G05575	AT1G08110
AT1G06000	AT1G09010
AT1G06380	AT1G09140
AT1G06720	AT1G09390
AT1G06780	AT1G09415
AT1G07070	AT1G09750
AT1G07360	AT1G10020
AT1G07420	AT1G10150
AT1G07430	AT1G10360
AT1G08410	AT1G10960
AT1G08500	AT1G10990
AT1G08580	AT1G11260
AT1G08610	AT1G11310
AT1G08920	AT1G11350
AT1G09070	AT1G11410
AT1G09240	AT1G11580
AT1G09350	AT1G11720
AT1G09780	AT1G12080
AT1G10090	AT1G12240
AT1G10270	AT1G12250
AT1G10370	AT1G12780
AT1G10410	AT1G13080
AT1G10490	AT1G13090
AT1G10760	AT1G13650
AT1G11170	AT1G13990
AT1G11210	AT1G14120
AT1G11390	AT1G14150
AT1G11960	AT1G14345
AT1G12370	AT1G14360
AT1G12710	AT1G14700

AT1G12845	AT1G14900
AT1G13030	AT1G15180
AT1G13160	AT1G15260
AT1G13260	AT1G15290
AT1G13560	AT1G15400
AT1G13740	AT1G15740
AT1G13870	AT1G15960
AT1G13930	AT1G15980
AT1G14060	AT1G16080
AT1G14530	AT1G16260
AT1G14580	AT1G16720
AT1G15420	AT1G16780
AT1G15440	AT1G17140
AT1G15550	AT1G17200
AT1G15870	AT1G17340
AT1G16280	AT1G17360
AT1G16850	AT1G17700
AT1G16860	AT1G18170
AT1G17170	AT1G18570
AT1G17180	AT1G18590
AT1G17665	AT1G18620
AT1G18360	AT1G18650
AT1G18740	AT1G19000
AT1G18850	AT1G19150
AT1G18870	AT1G19530
AT1G18900	AT1G19670
AT1G19050	AT1G19770
AT1G19180	AT1G19835
AT1G19370	AT1G19960
AT1G19960	AT1G20560
AT1G20030	AT1G20640
AT1G20100	AT1G20850
AT1G20440	AT1G21250
AT1G20450	AT1G21270
AT1G20693	AT1G21350
AT1G20696	AT1G21500
AT1G20920	AT1G21560
AT1G21010	AT1G22335
AT1G21050	AT1G22360
AT1G21460	AT1G22400
AT1G21540	AT1G22430
AT1G21670	AT1G22890
AT1G21790	AT1G23020
AT1G22270	AT1G23030
AT1G22570	AT1G23205
AT1G22770	AT1G23310
AT1G23100	AT1G23390
AT1G23140	AT1G23400
AT1G23710	AT1G23480
AT1G23800	AT1G23740
AT1G24310	AT1G23860
AT1G24575	AT1G23870
AT1G25250	AT1G24100
AT1G25260	AT1G25230
AT1G25370	AT1G25275

AT1G25400	AT1G26150
AT1G26340	AT1G26560
AT1G26450	AT1G26670
AT1G26790	AT1G27210
AT1G27200	AT1G27290
AT1G27630	AT1G28330
AT1G27730	AT1G28400
AT1G27760	AT1G28580
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AT1G27920	AT1G29440
AT1G27930	AT1G29500
AT1G28050	AT1G29510
AT1G28060	AT1G29530
AT1G29310	AT1G29660
AT1G29395	AT1G29700
AT1G29940	AT1G30260
AT1G30240	AT1G30520
AT1G30360	AT1G31170
AT1G30620	AT1G31320
AT1G30960	AT1G31550
AT1G31280	AT1G31580
AT1G31660	AT1G31650
AT1G31850	AT1G31820
AT1G32440	AT1G31920
AT1G32860	AT1G32070
AT1G32870	AT1G32080
AT1G32920	AT1G32100
AT1G33230	AT1G32460
AT1G33960	AT1G32700
AT1G33970	AT1G33240
AT1G42440	AT1G33780
AT1G43620	AT1G33811
AT1G43860	AT1G34640
AT1G43890	AT1G35340
AT1G47710	AT1G35350
AT1G48100	AT1G35710
AT1G48370	AT1G43790
AT1G48570	AT1G43800
AT1G48920	AT1G44000
AT1G49200	AT1G44770
AT1G49450	AT1G47128
AT1G49560	AT1G47400
AT1G49570	AT1G47960
AT1G49720	AT1G48030
AT1G51090	AT1G48300
AT1G51380	AT1G48320
AT1G51610	AT1G48430
AT1G51700	AT1G48480
AT1G52280	AT1G48600
AT1G52690	AT1G49010
AT1G52890	AT1G49200
AT1G52930	AT1G49480
AT1G53035	AT1G49500
AT1G53200	AT1G49730
AT1G53500	AT1G49740

AT1G53590	AT1G49750
AT1G53645	AT1G49975
AT1G54270	AT1G50250
AT1G54310	AT1G51110
AT1G54570	AT1G51360
AT1G54770	AT1G51400
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AT1G55500	AT1G52060
AT1G55690	AT1G52190
AT1G55820	AT1G52290
AT1G55900	AT1G52340
AT1G56110	AT1G52720
AT1G56170	AT1G53160
AT1G56300	AT1G53390
AT1G56650	AT1G53520
AT1G58360	AT1G53560
AT1G59600	AT1G53650
AT1G59990	AT1G53730
AT1G60190	AT1G54040
AT1G60470	AT1G54390
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AT1G61380	AT1G54820
AT1G61580	AT1G55000
AT1G61640	AT1G55310
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AT1G61800	AT1G55360
AT1G61890	AT1G55450
AT1G62570	AT1G55850
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AT1G62730	AT1G56220
AT1G62740	AT1G56280
AT1G63160	AT1G56500
AT1G63780	AT1G56700
AT1G63810	AT1G56720
AT1G64600	AT1G58030
AT1G64890	AT1G58110
AT1G65390	AT1G58180
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AT1G65690	AT1G59580
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AT1G66390	AT1G60010
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AT1G67360	AT1G60800
AT1G67370	AT1G61100
AT1G67850	AT1G61350
AT1G67970	AT1G62200
AT1G68470	AT1G62250
AT1G68500	AT1G62480
AT1G68550	AT1G62510
AT1G68570	AT1G62660
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AT1G68990	AT1G63090
AT1G69070	AT1G63180
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AT1G73805	AT1G68190
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AT1G74890	AT1G68585
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AT1G75370	AT1G68840
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AT1G76580	AT1G70290
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AT1G76600	AT1G70520
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AT1G77600	AT1G71970
AT1G77610	AT1G72030
AT1G77850	AT1G72150
AT1G78070	AT1G72300

AT1G78410	AT1G72430
AT1G78610	AT1G72890
AT1G78930	AT1G72900
AT1G79150	AT1G72970
AT1G79390	AT1G73330
AT1G79440	AT1G73600
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AT1G79660	AT1G74100
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AT1G80750	AT1G75130
AT1G80760	AT1G75220
AT2G02100	AT1G75280
AT2G02120	AT1G75460
AT2G03670	AT1G76080
AT2G03760	AT1G76100
AT2G03820	AT1G76110
AT2G04350	AT1G76150
AT2G04450	AT1G76890
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AT2G14610	AT1G77450
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AT2G15320	AT1G77990
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AT2G18890	AT2G01420
AT2G18900	AT2G01450
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AT2G19385	AT2G01530
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AT2G20370	AT2G03530
AT2G20585	AT2G03550

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AT2G22500	AT2G17033
AT2G22590	AT2G17040
AT2G22840	AT2G17220
AT2G22860	AT2G17450
AT2G23120	AT2G17500
AT2G23150	AT2G17640
AT2G23340	AT2G17710
AT2G23910	AT2G18280
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AT2G24500	At2g18840
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AT2G25355	AT2G19590
AT2G25530	AT2G19800
AT2G25620	AT2G20180
AT2G25625	AT2G20725
AT2G26200	AT2G21210
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AT2G26530	AT2G21950
AT2G26810	AT2G21970
AT2G26830	AT2G22090
AT2G27200	AT2G22330
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AT2G28720	AT2G23390
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AT2G30640	AT2G25200
AT2G31010	At2g25590
AT2G31060	AT2G25735
AT2G31360	AT2G25900
AT2G31380	AT2G26020
AT2G31725	AT2G26170
AT2G31955	AT2G26250
AT2G31990	AT2G26980
AT2G32060	AT2G27290

AT2G32220	AT2G27420
AT2G32430	AT2G28200
AT2G33210	AT2G28470
AT2G33380	AT2G28605
AT2G33730	AT2G28630
AT2G34260	AT2G28910
AT2G34570	AT2G28950
AT2G34650	AT2G29290
AT2G34780	AT2G29300
AT2G34850	AT2G29310
AT2G34930	AT2G29320
AT2G35960	AT2G29340
AT2G36010	AT2G29420
AT2G36220	AT2G29750
AT2G36390	AT2G30520
AT2G36470	AT2G31110
AT2G36750	AT2G31670
AT2G36930	AT2G31730
AT2G37520	AT2G31790
AT2G37580	AT2G31880
AT2G37710	AT2G32010
AT2G37990	AT2G32080
AT2G38465	AT2G32100
AT2G38470	AT2G32150
AT2G38670	AT2G32160
AT2G38730	AT2G32290
AT2G39130	AT2G32500
AT2G39510	AT2G32560
AT2G39710	AT2G32720
AT2G39795	AT2G33250
AT2G39920	AT2G33330
AT2G40130	AT2G33480
AT2G40140	AT2G34310
AT2G40360	AT2G34490
AT2G40430	AT2G34620
AT2G40460	AT2G35020
AT2G40700	AT2G35780
AT2G40750	AT2G35820
AT2G40780	AT2G36000
AT2G40880	AT2G36830
AT2G40900	AT2G36950
AT2G41010	AT2G37130
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AT5G52310	AT5G58350
AT5G52380	AT5G58375
AT5G52580	AT5G58770
AT5G52660	AT5G58787
AT5G52820	AT5G59080
AT5G53590	AT5G59090
AT5G53870	AT5G59670
AT5G53970	AT5G59780
AT5G54470	AT5G59960
AT5G54490	AT5G60360
AT5G54910	AT5G60400
AT5G54960	AT5G60490
AT5G55180	AT5G61160
AT5G55200	AT5G61340
AT5G55400	AT5G61420
AT5G55450	AT5G61440
AT5G55920	AT5G61590
AT5G55990	AT5G62340
AT5G56030	AT5G62650
AT5G56080	AT5G62930
AT5G56350	AT5G63180
AT5G56630	AT5G63190
AT5G57050	AT5G63480
AT5G57110	AT5G63800
AT5G57120	AT5G64240
AT5G57280	AT5G64370
AT5G57530	AT5G64380
AT5G57540	AT5G64410
AT5G57660	AT5G64920
AT5G57760	AT5G65010
AT5G57990	AT5G65110
AT5G58070	AT5G65380
AT5G58370	AT5G65730
AT5G58600	AT5G65760
AT5G58620	AT5G66490
AT5G58660	AT5G66520
AT5G58670	AT5G66880
AT5G58690	AT5G67070
AT5G58700	AT5G67150
AT5G59180	AT5G67290
AT5G59240	AT5G67420
AT5G59480	
AT5G59820	
AT5G59950	

AT5G60030
AT5G60680
AT5G60730
AT5G60790
AT5G60990
AT5G61020
AT5G61030
AT5G61370
AT5G61380
AT5G61600
AT5G61660
AT5G61770
AT5G61810
AT5G61820
AT5G62150
AT5G62190
AT5G62210
AT5G62280
AT5G62350
AT5G62360
AT5G62430
AT5G62440
AT5G62920
AT5G63120
AT5G63130
AT5G63140
AT5G63320
AT5G63330
AT5G63770
AT5G63790
AT5G63810
AT5G63990
AT5G64080
AT5G64170
AT5G64230
AT5G64260
AT5G64310
AT5G64420
AT5G64680
AT5G65280
AT5G65300
AT5G65860
AT5G65900
AT5G66460
AT5G66540
AT5G67240
AT5G67480
AT5G67630
ATCG00170
ATCG00180
ATCG00190
ATCG00490
ATCG00680

Table S5. *A. thaliana* up-regulated CBF regulon genes

atg	Short_description
AT1G01420	UGT72B3 (UDP-GLUCOSYL TRANSFERASE 72B3)
AT1G01470	LEA14 (LATE EMBRYOGENESIS ABUNDANT 14)
AT1G02820	late embryogenesis abundant 3 family protein / LEA3
AT1G04240	SHY2 (SHORT HYPOCOTYL 2)
AT1G05170	galactosyltransferase family protein
AT1G06780	GAUT6 (Galacturonosyltransferase 6)
AT1G08920	sugar transporter, putative
AT1G09350	AtGolS3 (Arabidopsis thaliana galactinol synthase 3)
AT1G10090	unknown protein
AT1G10370	ERD9 (EARLY-RESPONSIVE TO DEHYDRATION 9)
AT1G10410	Protein of unknown function DUF1336
AT1G10760	SEX1 (STARCH EXCESS 1)
AT1G11210	unknown protein
AT1G14580	zinc finger (C2H2 type) family protein
AT1G16850	unknown protein
AT1G20440	COR47 (COLD-REGULATED 47)
AT1G20450	ERD10 (EARLY RESPONSIVE TO DEHYDRATION 10)
AT1G21460	nodulin MtN3 family protein
AT1G21790	unknown protein
AT1G27200	unknown protein
AT1G27760	interferon-related developmental regulator family protein
AT1G27910	PUB45 (PLANT U-BOX 45)
AT1G27920	MAP65-8 (MICROTUBULE-ASSOCIATED PROTEIN 65-8)
AT1G29395	COR414-TM1
AT1G30360	ERD4 (early-responsive to dehydration 4)
AT1G32860	glycosyl hydrolase family 17 protein
AT1G33230	unknown protein
AT1G43890	ATRAP18 (ARABIDOPSIS RAB GTPASE HOMOLOG B18)
AT1G47710	serpin, putative / serine protease inhibitor, putative
AT1G48100	glycoside hydrolase family 28 protein
AT1G51090	heavy-metal-associated domain-containing protein
AT1G51700	ADOF1
AT1G53035	unknown protein
AT1G58360	AAP1 (AMINO ACID PERMEASE 1)
AT1G60470	AtGolS4 (Arabidopsis thaliana galactinol synthase 4)
AT1G62570	FMO GS-OX4 (FLAVIN-MONOOXYGENASE GLUCOSINOLATE S-OXYGENASE 4)
AT1G64890	integral membrane transporter family protein
AT1G67310	calmodulin binding / transcription regulator
AT1G67360	rubber elongation factor (REF) family protein
AT1G67850	unknown protein
AT1G68500	unknown protein
AT1G68570	proton-dependent oligopeptide transport (POT) family protein
AT1G69870	proton-dependent oligopeptide transport (POT) family protein
AT1G70900	unknown protein
AT1G73480	hydrolase, alpha/beta fold family protein
AT1G75390	AtbZIP44 (Arabidopsis thaliana basic leucine-zipper 44)
AT1G76580	transcription factor

AT1G76590 zinc-binding family protein
AT1G77120 ADH1 (ALCOHOL DEHYDROGENASE 1)
AT1G78070 unknown protein
AT1G79660 unknown protein
AT1G80130 binding
AT2G15320 leucine-rich repeat family protein
AT2G15970 COR413-PM1
AT2G16700 ADF5 (ACTIN DEPOLYMERIZING FACTOR 5)
AT2G16890 UDP-glucuronosyl/UDP-glucosyl transferase family protein
AT2G16990 tetracycline transporter
AT2G17840 ERD7 (EARLY-RESPONSIVE TO DEHYDRATION 7)
AT2G22080 unknown protein
AT2G22590 transferase, transferring glycosyl groups
AT2G22860 ATPSK2 (PHYTOSULFOKINE 2 PRECURSOR)
AT2G23120 unknown protein
AT2G23340 AP2 domain-containing transcription factor, putative
AT2G27830 unknown protein
AT2G28900 ATOEP16-1 (OUTER PLASTID ENVELOPE PROTEIN 16-1)
AT2G32430 galactosyltransferase family protein
AT2G33380 RD20 (RESPONSIVE TO DESSICATION 20)
AT2G34850 MEE25 (maternal effect embryo arrest 25)
AT2G35960 NHL12
AT2G40460 proton-dependent oligopeptide transport (POT) family protein
AT2G40880 ATCYSA (CYSTATIN A); cysteine-type endopeptidase inhibitor
AT2G41190 amino acid transporter family protein
AT2G42530 COR15B (COLD REGULATED 15B)
AT2G42540 COR15A (COLD-REGULATED 15A)
AT2G43620 chitinase, putative
AT2G47180 AtGolS1 (Arabidopsis thaliana galactinol synthase 1)
AT2G47890 zinc finger (B-box type) family protein
AT3G03640 BGLU25 (BETA GLUCOSIDASE 25)
AT3G05660 AtRLP33 (Receptor Like Protein 33)
AT3G05880 RCI2A (RARE-COLD-INDUCIBLE 2A)
AT3G09540 pectate lyase family protein
AT3G11670 DGD1 (DIGALACTOSYL DIACYLGLYCEROL DEFICIENT 1)
AT3G12580 HSP70 (heat shock protein 70)
AT3G14890 phosphoesterase
AT3G17130 invertase/pectin methylesterase inhibitor family protein
AT3G22840 ELIP1 (EARLY LIGHT-INDUCABLE PROTEIN)
AT3G23000 CIPK7 (CBL-INTERACTING PROTEIN KINASE 7)
AT3G25870 unknown protein
AT3G27210 unknown protein
AT3G28220 meprin and TRAF homology domain-containing protein
AT3G45260 zinc finger (C2H2 type) family protein
AT3G45600 TET3 (TETRASPANIN3)
AT3G50260 CEJ1 (COOPERATIVELY REGULATED BY ETHYLENE AND JASMONATE 1)
AT3G50960 PLP3a (Phosducin-like protein 3 homolog)
AT3G50970 LT130 (LOW TEMPERATURE-INDUCED 30)
AT3G53990 universal stress protein (USP) family protein
AT3G54030 protein kinase family protein

AT3G54400 aspartyl protease family protein
AT3G55580 regulator of chromosome condensation (RCC1) family protein
AT3G55760 unknown protein
AT3G55940 phosphoinositide-specific phospholipase C, putative
AT3G60520 unknown protein
AT3G62700 ATMRP10; ATPase, coupled to transmembrane movement of substances
AT3G62740 BGLU7 (BETA GLUCOSIDASE 7)
AT4G02330 ATPMEPCRB; pectinesterase
AT4G12000 unknown protein
AT4G12470 protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
AT4G12480 pEARLI 1
AT4G15130 unknown protein
AT4G16500 cysteine protease inhibitor family protein
AT4G17090 CT-BMY (CHLOROPLAST BETA-AMYLASE)
AT4G17550 transporter-related
AT4G18270 ATTRANS11; P-P-bond-hydrolysis-driven protein transmembrane transporter
AT4G23450 zinc finger (C3HC4-type RING finger) family protein
AT4G23600 COR13 (CORONATINE INDUCED 1)
AT4G23630 BTI1 (VIRB2-INTERACTING PROTEIN 1)
AT4G23920 UGE2 (UDP-D-glucose/UDP-D-galactose 4-epimerase 2)
AT4G24220 VEP1 (VEIN PATTERNING 1)
AT4G24960 ATHVA22D
AT4G25470 CBF2 (C-REPEAT/DRE BINDING FACTOR 2)
AT4G27410 RD26 (RESPONSIVE TO DESICCATION 26)
AT4G27520 plastocyanin-like domain-containing protein
AT4G27830 BGLU10 (BETA GLUCOSIDASE 10)
AT4G29190 zinc finger (CCCH-type) family protein
AT4G30650 hydrophobic protein, putative
AT4G30830 unknown protein
AT4G32190 centromeric protein-related
AT4G34230 ATCAD5 (CINNAMYL ALCOHOL DEHYDROGENASE 5)
AT4G34650 SQS2 (SQUALENE SYNTHASE 2)
AT4G34990 AtMYB32 (myb domain protein 32)
AT4G36010 pathogenesis-related thaumatin family protein
AT4G37320 CYP81D5
AT4G38400 ATEXLA2 (ARABIDOPSIS THALIANA EXPANSIN-LIKE A2)
AT4G38580 AFTP6 (FARNESYLATED PROTEIN 6)
AT5G01520 zinc finger (C3HC4-type RING finger) family protein
AT5G04250 OTU-like cysteine protease family protein
AT5G04340 ZAT6 (ZINC FINGER OF ARABIDOPSIS THALIANA 6)
AT5G11110 ATSPS2F (SUCROSE PHOSPHATE SYNTHASE 2F)
AT5G12140 ATCYS1 (A. thaliana cystatin-1)
AT5G13200 GRAM domain-containing protein / ABA-responsive protein-related
AT5G13750 ZIFL1 (ZINC INDUCED FACILITATOR-like 1)
AT5G14760 AO (L-ASPARTATE OXIDASE)
AT5G17760 AAA-type ATPase family protein
AT5G17850 cation exchanger, putative (CAX8)
AT5G19875 unknown protein
AT5G20830 SUS1 (SUCROSE SYNTHASE 1)
AT5G23850 unknown protein

AT5G24570 unknown protein
AT5G25110 CIPK25 (CBL-INTERACTING PROTEIN KINASE 25)
AT5G26770 unknown protein
AT5G27930 protein phosphatase 2C, putative / PP2C, putative
AT5G28150 unknown protein
AT5G37500 GORK (GATED OUTWARDLY-RECTIFYING K+ CHANNEL)
AT5G42570 unknown protein
AT5G46710 zinc-binding family protein
AT5G47650 ATNUDT2 (ARABIDOPSIS THALIANA NUDIX HYDROLASE HOMOLOG 2)
AT5G50720 ATHVA22E
AT5G50800 nodulin MtN3 family protein
AT5G52310 LTI78 (LOW-TEMPERATURE-INDUCED 78)
AT5G52660 myb family transcription factor
AT5G55450 protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
AT5G57110 ACA8 (AUTOINHIBITED CA2+ -ATPASE, ISOFORM 8)
AT5G58670 PLC1 (PHOSPHOLIPASE C 1); phospholipase C
AT5G58700 phosphoinositide-specific phospholipase C family protein
AT5G61810 mitochondrial substrate carrier family protein
AT5G62350 DC 1.2 homolog (FL5-2I22)
AT5G62360 invertase/pectin methylesterase inhibitor family protein
AT5G64260 EXL2 (EXORDIUM LIKE 2)
ATCG00490 unknown protein

Table S6. *A. thaliana* down-regulated genes CBF regulon genes

atg	Description
AT1G01120	KCS1 (3-KETOACYL-COA SYNTHASE 1)
AT1G03870	FLA9 (FASCICLIN-LIKE ARABINOOGALACTAN 9)
AT1G12080	unknown protein
AT1G19670	ATCLH1 (ARABIDOPSIS THALIANA CORONATINE-INDUCED PROTEIN 1)
AT1G21270	WAK2
AT1G25275	unknown protein
AT1G31580	ECS1
AT1G52190	proton-dependent oligopeptide transport (POT) family protein
AT1G69530	ATEXPA1 (ARABIDOPSIS THALIANA EXPANSIN A1)
AT1G72430	auxin-responsive protein-related
AT1G73600	methyltransferase/ phosphoethanolamine N-methyltransferase
AT1G74670	gibberellin-responsive protein, putative
AT2G05540	glycine-rich protein
AT2G22330	CYP79B3
AT2G26020	PDF1.2b (plant defensin 1.2b)
AT2G27420	cysteine proteinase, putative
AT2G28630	KCS12 (3-KETOACYL-COA SYNTHASE 12)
AT2G31110	unknown protein
AT2G38310	unknown protein
AT2G39310	JAL22 (JACALIN-RELATED LECTIN 22)
AT2G41090	calmodulin-like calcium-binding protein, 22 kDa (CaBP-22)
AT2G41100	TCH3 (TOUCH 3); calcium ion binding
AT3G04210	disease resistance protein (TIR-NBS class), putative
AT3G11930	universal stress protein (USP) family protein
AT3G13750	BGAL1 (Beta galactosidase 1)
AT3G16240	DELTA-TIP
AT3G16530	legume lectin family protein
AT3G22231	PCC1 (PATHOGEN AND CIRCADIAN CONTROLLED 1)
AT3G29030	EXPA5 (EXPANSIN A5)
AT3G30775	ERD5 (EARLY RESPONSIVE TO DEHYDRATION 5)
AT3G46490	oxidoreductase
AT3G48720	transferase family protein
AT3G52720	ACA1 (ALPHA CARBONIC ANHYDRASE 1)
AT3G56060	glucose-methanol-choline (GMC) oxidoreductase family protein
AT3G56400	WRKY70
AT3G58120	BZIP61
AT4G11460	protein kinase family protein
AT4G12550	AIR1
AT4G14400	ACD6 (ACCELERATED CELL DEATH 6)
AT4G15550	IAGLU (INDOLE-3-ACETATE BETA-D-GLUCOSYLTRANSFERASE)
AT4G19420	pectinacetylesterase family protein
AT4G19430	unknown protein
AT4G27300	S-locus protein kinase, putative
AT4G31500	CYP83B1 (CYTOCHROME P450 MONOOXYGENASE 83B1)
AT4G33050	EDA39 (embryo sac development arrest 39)
AT4G33666	unknown protein
AT4G37450	AGP18 (ARABINOOGALACTAN PROTEIN 18)

AT4G39640 GGT1 (GAMMA-GLUTAMYL TRANSPEPTIDASE 1)
AT5G01015 unknown protein
AT5G14120 nodulin family protein
AT5G20250 DIN10 (DARK INDUCIBLE 10)
AT5G22270 unknown protein
AT5G24210 lipase class 3 family protein
AT5G40450 unknown protein
AT5G44420 PDF1.2
AT5G49360 BXL1 (BETA-XYLOSIDASE 1)
AT5G56870 BGAL4 (beta-galactosidase 4)
AT5G61160 AACT1 (anthocyanin 5-aromatic acyltransferase 1)
