

dehydration responsive element binding protein "DREB3" GU443966_13 / GU443966_21

wcd-12699	1	AAAACATGTCAACAGCTATAAATANACTACAATAGACAAACAAACATCACATATGTTCT--TAGATCCATTTTAATAGAAGAACTAATGAAAGCACTTGA	97
DREB3_P'	1	-----T-----CA.CA.....C...G.TTCT.....A.T--	92
SC_CONS_P'	1	-----	26
J5_CONS_P'	1	-----	3
DREB3_O	1	-----C-----CA.CA.....T...C...G.TTCT.....A.T--	92
SC_CONS_O	1	-----	26
J5_CONS_O	1	-----	3
wcd-12699	98	GCCTTTTATCAAAAGTGATTATTCAACAATCTCTTCTTCCACACATGAACAATCAAACCTTCCCTCAACTTCTTATTCACCATTTTCACCCAATTACTTC	197
DREB3_P'	93	.....C.....C.....T.....G.....C.....C.....	192
SC_CONS_P'	27	.....C.....T.....G.....C.....	126
J5_CONS_P'	4	-----T.....G.....C.....	96
DREB3_O	93	.....T.....C.....	192
SC_CONS_O	27	.....C.....	126
J5_CONS_O	4	-----	96
wcd-12699	198	ACCTACGAAACCCAAACAAGCTCAATAGGACTCAACCAACTCACYCCATCACAAATCCTTCAAATCCAAACCCAAATTCAAATCCCCAAAAAGCCATC	297
DREB3_P'	193	.....C.....	292
SC_CONS_P'	127	.....C.....	226
J5_CONS_P'	97	.....C.....	196
DREB3_O	193	.....C.....	292
SC_CONS_O	127	.....T.....	226
J5_CONS_O	97	.....C.....	196
wcd-12699	298	TTTCTCAAAGCCCGTTTCAATGAAGCACTTTTCTACTCCTTCAAACCAATGAAACTTTACCGTGGAGTTAGACACAGTCATTGGGGAAAAATGGGTCG	397
DREB3_P'	293	.....C.....G.....G..A.....	391
SC_CONS_P'	227	.....C.....	325
J5_CONS_P'	197	.....C.....	295
DREB3_O	293	.....C.....C.....T.....C.....	391
SC_CONS_O	227	.....C.....	325
J5_CONS_O	197	.....	295
wcd-12699	398	CTGAAATTAGACTCCCAAGAAACCGTACTCGTTTATGGTTAGGTACATTTGAAACTGCAGAGGAAGCAGCTTTTGCCTTATGATAACGCAGCTTAWTAAGC	497
DREB3_P'	392	.....A.....C.C.....	490
SC_CONS_P'	326	.....C.C.....	424
J5_CONS_P'	296	.....C.....	394
DREB3_O	392	.....	490
SC_CONS_O	326	.....	424
J5_CONS_O	296	.....G.....	394
wcd-12699	498	TTAGAGGTGAATTTGCAGACTCAATTTTCTCACATGAGTCACCATGAAATTTACAATCCTCTCCCTTCTCTGTGATTCAAAGCTTCAAGCAATTTG	597
DREB3_P'	491	.....T.....	590
SC_CONS_P'	425	.....C.....T...T.....A.....T.....	524
J5_CONS_P'	395	.....A...T.....T.....	494
DREB3_O	491	.....T...T.....	590
SC_CONS_O	425	.....	524
J5_CONS_O	395	.....	494
wcd-12699	598	TGAAACTTTAGCCATTTCTCAAACACAGGGGAAACAGGGGAAACAATGAAACCACTGTTCTCTGTGTTGAAGATGTAACCCGGTTGTTTGTGTTACT	697
DREB3_P'	591	.....T.....G.....	690
SC_CONS_P'	525	.....TC.....A.....G.....	624
J5_CONS_P'	495	.....TC.....A.....G.....	594
DREB3_O	591	.....	690
SC_CONS_O	525	.....G.....C.....	624
J5_CONS_O	495	.....A.....G.....C.....	594
wcd-12699	698	GAAAAACCGAAGGATGAATTTGGTTTGCACAAGTTTGAAGGATTTAAGGTTGAGAATGAGAAGACAACGATGTCATCTATGTCTGATGAATGTTCCCTT	797
DREB3_P'	691	.....A.....T.....G.G.....A.....	790
SC_CONS_P'	625	.....A.....A.....T.....G.....A.....	724
J5_CONS_P'	595	.....A.....A.....T.....TG.....A.....	694
DREB3_O	691	.....T.....	790
SC_CONS_O	625	.....	724
J5_CONS_O	595	.....C.....A...A.....A.....T.....G.....A.....	694
wcd-12699	798	GTTTGTATCACCAGAATCTGGTGTACTTTCTTGGATTTCTCAGATTTAGCCAGTGGGATAAAGTGGAGAATTTGGGTTGAAGAAGTACCCCTTCTGT	897
DREB3_P'	791	.....T.....T.....G.....	890
SC_CONS_P'	725	.....T.....G.....	823
J5_CONS_P'	695	.....G.....	794
DREB3_O	791	.....	890
SC_CONS_O	725	.....T.....G.....	824
J5_CONS_O	695	.....T.....G.....	794
wcd-12699	898	TGAAATTGATTGGGAAGCTTTATGAGTCTTTGAAGTGATTT	938
DREB3_P'	891	-----	915
SC_CONS_P'	824	-----	823
J5_CONS_P'	795	-----	828
DREB3_O	891	-----	915
SC_CONS_O	825	-----	865
J5_CONS_O	795	-----	832

acyl-coA oxidase GU443966_9 /GU443966_17

wcd-2781	GGGTTCTTTGATCAGATGCAACCCTATTATACTCCAATTTCAACAATGAGCTAAAATCACTTTTCATATTGATTCTCCAACCTAAATATTTCATCTTCTT	100
ACYL_P'	-----	0
SC_CONS_P'	----- .G.----- .A.-----	84
J5_CON_P'	-----	83
ACYL_O	-----	0
SC_CONS_O	----- .G.----- .A.-----	84
J5_CON_O	-----	83
wcd-2781	TGGGGACCTTAATTTATTTCGAATCCGACATATTGTGTGACTGAGAGTAAGCTCCTGATTGCTTCGCAATAGGTGCCCGTGTACATGATCTGGAAGATC	200
ACYL_P'	----- .A.-----	87
SC_CONS_P'	----- .A.-----	184
J5_CON_P'	----- .A.-----	183
ACYL_O	-----	87
SC_CONS_O	-----	184
J5_CON_O	-----	183
wcd-2781	AAATGCATCAACAAGCTCCTTTGCAATATTCTCACTTGGAACTTAGATACTCTGACAATTTGTGGATTGCCTTGGCTTTGTGGGGCCACATAGTCA	300
ACYL_P'	----- .G.-----	187
SC_CONS_P'	----- .G.-----	284
J5_CON_P'	----- .G.-----	283
ACYL_O	----- .G.-----	187
SC_CONS_O	-----	284
J5_CON_O	-----	283
wcd-2781	ACATTGCGGTAGGTTCCAATGTCGTTCCATATTCTATCCAGAGCATAAAGATCACAGACAAGCTTCAAAGCAGCTTGAGCGCTTGGATCAGGACAGCTCT	400
ACYL_P'	----- .G.-----	287
SC_CONS_P'	----- .G.-----	384
J5_CON_P'	----- .G.-----	383
ACYL_O	----- .G.-----	287
SC_CONS_O	-----	381
J5_CON_O	----- .G.-----	383
wcd-2781	GCACAGCTTCAATGAATTTAGCAAGATGACCGACTCAATATGTGATTCTGCAAGTGTCAATAGGTGATTTAAGCATCTATCCATGCACCAAACTGCC	500
ACYL_P'	----- .T.-----	387
SC_CONS_P'	----- .T.-----	484
J5_CON_P'	----- .T.-----	483
ACYL_O	-----	387
SC_CONS_O	-----	480
J5_CON_O	-----	483
wcd-2781	TAGAGGTTTTGAGTGCTTTTGAAGTCGTACAGCAACACTATGAAGTAATCTAGACGTTGCGGTATCTGAAAGCATCCAATGAAATTTAGGATCTCGTAGA	600
ACYL_P'	-----	450
SC_CONS_P'	-----	547
J5_CON_P'	-----	546
ACYL_O	----- .C.----- .T.-----	487
SC_CONS_O	-----	580
J5_CON_O	----- .T.-----	583
wcd-2781	TGGTCTCCGCCTTCCCACCTAGCAGTAACCGGTTTGGTTGTGACAGATAAGTATTTCATGGAATCTCTTAAGTAGTTCCATGTTGCTGCTAAAGTCCCTC	700
ACYL_P'	-----	450
SC_CONS_P'	-----	547
J5_CON_P'	-----	546
ACYL_O	-----	587
SC_CONS_O	-----	680
J5_CON_O	-----	683
wcd-2781	CTTTGAACCTTCTCTGGTATTGTTTCAAAGATCGGCTGCAACCTGTTGAAGAAGAACCCTGTTGCTCCTTCAAATGCTGGAAAATGTCATGATCATT	800
ACYL_P'	----- .G.-----	507
SC_CONS_P'	----- .C.-----	604
J5_CON_P'	----- .C.-----	603
ACYL_O	-----	687
SC_CONS_O	----- .S.----- .C.-----	780
J5_CON_O	-----	783
wcd-2781	CCTCAAGGAACCAACCGATTTCACAGCAGATAACCATGTCTCCACAGGCTTCCCTACAGACGCTGAGTGATTTGCGGTATATGATGTTACATAAGCC	900
ACYL_P'	----- .T.-----	607
SC_CONS_P'	----- .A.----- .T.-----	704
J5_CON_P'	----- .T.-----	703
ACYL_O	-----	787
SC_CONS_O	----- .A.-----	880
J5_CON_O	----- .T.-----	883
wcd-2781	TTCAGACCTGCCGAGAGAGCATGAACATCTGCAACTAATTTCTCATCGTACGACTTTTTCATTGAGCGTATTCTCCACTAAGTTTGTAGTGGCAAAAT	1000
ACYL_P'	----- .A.----- .C.----- .C.-----	707
SC_CONS_P'	----- .A.----- .C.-----	804
J5_CON_P'	----- .A.----- .C.-----	803
ACYL_O	----- .A.-----	887
SC_CONS_O	-----	980
J5_CON_O	-----	983
wcd-2781	GAAATGCATAAGTTGAAGCCAGCATTGGCATAAGCTTATGCTGATGAGACTGGTAGTCGAGAATGGTGACTTCGGGTTGGTTTGGAGGTCCAAATTGCTG	1100
ACYL_P'	----- .T.----- .G.----- .A.-----	807
SC_CONS_P'	----- .T.-----	904
J5_CON_P'	----- .T.----- .A.-----	903
ACYL_O	-----	987
SC_CONS_O	-----	1080
J5_CON_O	-----	1083
wcd-2781	ACGAATAGAGAATATCTGATGGCGATTGGAAGCAACCTTGAGGACACTAACAGAAGAATATGCAAGGCCTACCCTACCACCAACGAGTTCTCCAAGA	1200
ACYL_P'	----- .C.----- .A.----- .C.-----	907
SC_CONS_P'	----- .G.----- .A.----- .C.-----	1004
J5_CON_P'	----- .A.----- .C.-----	1003
ACYL_O	-----	1087
SC_CONS_O	-----	1180
J5_CON_O	----- .A.-----	1183
wcd-2781	GTTGCCAAACCGCTTATTACCGAAGGAAGGGTACTTGTGTACTGGCCATCAGGGAAACATCTCCAAAACGGTTTAGAAGATTATCTCGAGGAATTC	1300
ACYL_P'	-----	1007
SC_CONS_P'	-----	1104
J5_CON_P'	-----	1102
ACYL_O	-----	1187
SC_CONS_O	-----	1280
J5_CON_O	-----	1282

wcd-2781	TCACAGAGCGGAATC-TCAGAGCTCCATTATCAACGCCATTAAGGCCAACTTTATGACCACAATCATGTATCTCAATTCAGGAAGTGTGGATGAGTCT	1399
ACYL_P'	.....	1107
SC_CONS_P'	.....	1204
J5_CON_P'	.....T.....	1202
ACYL_O	.....T.....	1287
SC_CONS_O	.....	1380
J5_CON_O	.....T.....	1382
wcd-2781	TCATATCCCCTTATTGGAACAATGAAAGCATGAACACCCATATCAGAAATTCCTTTTGCATCATAATTAGGTAACCTCAACCTAGCAAAAACAGTAGCAAA	1499
ACYL_P'	.....	1207
SC_CONS_P'	.....	1304
J5_CON_P'	.....	1302
ACYL_O	.....G.....	1387
SC_CONS_O	.....	1480
J5_CON_O	.....	1482
wcd-2781	CTTCCATGCACCGCGGCATTGCCAATCCACCATTGGATGGCACCGTCATTCCGGAGTATCAACAATAAATTCATCAGTGATCGGATCAAAGGTGGCAACA	1599
ACYL_P'	.....G.....	1307
SC_CONS_P'	.....C.C.....	1404
J5_CON_P'	.....	1402
ACYL_O	.....G.....T.....G.....	1487
SC_CONS_O	.....C.C.....	1580
J5_CON_O	.....	1582
wcd-2781	GTTTGAAGGCCTTGACATTGTAACCATGGTGAAGCTCAGTCATAGCAAAAACAACCAGGAAAATCCAAGTTATCAATACCATCATAGTACTTATCCTTGT	1699
ACYL_P'	.....	1407
SC_CONS_P'	.....C.....	1498
J5_CON_P'	.....	1502
ACYL_O	.....G.....	1587
SC_CONS_O	.....	1674
J5_CON_O	.....G.....	1682
wcd-2781	GTTTCTGTGTTCCCAAAATTTGATAACAGAACCCCAAGACTATATTGAACACCCATTTTGATTCCAAGCGACATGTCAACACTACCAACAGCTTCCAA	1799
ACYL_P'	.....A.....	1507
SC_CONS_P'	.....	1598
J5_CON_P'	.....	1602
ACYL_O	.....T.....A.....	1687
SC_CONS_O	.....	1774
J5_CON_O	.....	1782
wcd-2781	AATAGCAAAATACTTAGCAGGATCATGAACACATAATGAAGAGGTCTAATTCAGCTTCTCTAACAGACCCAAAAGCTGATTCATACATAATCTCTA	1899
ACYL_P'	.....	1607
SC_CONS_P'	.....	1698
J5_CON_P'	.....	1702
ACYL_O	.....	1787
SC_CONS_O	.....	1874
J5_CON_O	.....	1882
wcd-2781	TGATTATCTTTTGAATTTCAAGAGGGGTTGAAGTTGAGGATTAGCGTTGAAATAATCAAAAATTTTCTTGTATATCTCTGTATTTTCCCTCTCATGT	1999
ACYL_P'	.....A.....C.....A.....	1707
SC_CONS_P'	.....A.....T.....A.....	1798
J5_CON_P'	.....A.....T.....A.....	1802
ACYL_O	.....A.....C.....A.....	1885
SC_CONS_O	.....G.....C.....	1972
J5_CON_O	.....A.....C.....	1982
wcd-2781	AACTTGTTAAAGAATTCGCATCGACAATTAACCTCTTACCACGACTGCAATTTCCATCTCTAATGGATGATGATCCATGTGAGACGAGGAATGGGTT	2099
ACYL_P'	.....C.....TT.A.....	1807
SC_CONS_P'	.....	1898
J5_CON_P'	.....C.....T.....TT.A.....	1902
ACYL_O	.....	1885
SC_CONS_O	.....	1972
J5_CON_O	.....T.....TT.A.....	2082
wcd-2781	TAGGTGTAAGGATAGTCTTTGGATTGCTCTCTCTGCTTCGGAATTTGATTGTTGTTAGATTTTAGGGTTGCAATTTTGTGTGTGTGTTGTTGGGA	2199
ACYL_P'	.....A.....C.....A.....	1882
SC_CONS_P'	.....A.....	1998
J5_CON_P'	.....A.....C.....A.....	1977
ACYL_O	.....	1885
SC_CONS_O	.....	1972
J5_CON_O	.....A.....C.....A.....	2157
wcd-2781	TTGAAGAAATGAAATTAGGGGAGAATGATGGAGGAATGAGGAAGTTGAATGTTGAATGATATAGTCCCCGCTACTCTGCGTTGATACCCTGCTTAAGC	2299
ACYL_P'	.....	1882
SC_CONS_P'	.....	2007
J5_CON_P'	.....	1977
ACYL_O	.....	1885
SC_CONS_O	.....	1972
J5_CON_O	.....	2157
wcd-2781	AGTGGTATCAACGCAGACTTTTT	2325
ACYL_P'	-----	1882
SC_CONS_P'	-----	2007
J5_CON_P'	-----	1977
ACYL_O	-----	1885
SC_CONS_O	-----	1972
J5_CON_O	-----	2157