

GmDREBP	-----	0
OsDREBP2A	-----ME-----	2
TaDREBP1	-----MET-----	3
DREBP1A	-----	0
CRT/DREBP	-----	0
OsDREB1F	-----MDT-----	3
CbCBF	-----MNSSFSAFSEMF-----	12
BnCBF	-----MNSVSTFSELL-----	11
CaCBF1B	-----MNIFRSYSDPLTE-----	14
PaDREB1F	-----MDMFFSQLSDSVDQ-----	14
GhDBP	MAAAMDF---ISIGVDQSDLYGGELMEALEPFMKVSSSSSPSPSPSPSSLPSTSYLSF	57
GmDREBP_NP	MGTAIMYNSNIVADFLDPYSEELMKALKPFMKSDYFSASSSSSL-----	46
ZmDBF1	-----	0
TINY2	-----MAEYYSL-----	8
ERF034	-----MVEPLS-----PT-----	8
ZmDBF2	-----MAQELHETSSCSAT-----	14
ERF038	-----MAMAKELQETSSSSS-----	15
GhDREBP1	-----	0
ERF_QDB64575.1	-----MVD-----TPRSS-----	8
ERF_QCF46602.1	-----MVDKQRLHTSS-----	11
ERF	-----MVEK-----IAVSS-----	9
PpDBF1	-----MVEK-----WVSS-----	9
DsDBF1	-----MVEK-----TAPSS-----	9
DREBP5	-----MVEK-----AVSST-----	9
ERF039-like	-----MGESIGWVAEQPTT-----	15
OsRAP	-----	0
ERF_TINY-like	-----MVQK-----	4
GmDREBP3	-----	0
ERF016	-----	0
ERF016_XP	-----	0
GmDREBP	-----MHMLVK-NHNKGDGSKSLADTLAKW-----	24
OsDREBP2A	-----RGEGRGD-----CSVQVRKKR-TRRKSDGPDSIAETIKWW-----	37
TaDREBP1	-----GGSKREGD-----CPGQERKKK-VRRRSTGPDVAETIKKW-----	38
DREBP1A	-----	0
CRT/DREBP	-----	0
OsDREB1F	-----	3
CbCBF	-----	12
BnCBF	-----	11
CaCBF1B	-----	14
PaDREB1F	-----	14
GhDBP	SSSETQPNFYPDSCCYPYPTPMDSVSCPQQQTGSTIGLNSLTQAQIHQIQQLQFHLHNNQ	117
GmDREBP_NP	---ESQ-----PCSF-----SSNSLPTSYPSSNQIKLNQLTPDQIVQIQAIHQIQQQQ	91
ZmDBF1	-----MQFIQAQLHLQRNP-----	14
TINY2	-----RS-----	10
ERF034	-----SSSACSSSCLPTS-----	21
ZmDBF2	-----TTSSCTTSCCSSTVT-DSSSSPPSPAAANAAPA-----	46
ERF038	-----SSAASTSSCSSAVT-DAWSSPARPNAVAGGK-----	45
GhDREBP1	-----M-----	1
ERF_QDB64575.1	-----PVS-----	11
ERF_QCF46602.1	-----PSR-----	14
ERF	-----LHA-----	12
PpDBF1	-----LRR-----	12
DsDBF1	-----ISA-----	12
DREBP5	-----LRG-----	12
ERF039-like	-----IWD-----	18
OsRAP	-----	0
ERF_TINY-like	-----DWS-----	7
GmDREBP3	-----	0
ERF016	-----	0
ERF016_XP	-----	0

GmDREBP	-----KEYNAWLSENN-----AEKPVKVPKAGSKKGCMAKGG	58
OsDREBP2A	-----KEQNQLQEE-----NSSRKAPAKGSKKGCMAKGG	67
TaDREBP1	-----KEENQLQEE-----NGSRKAPAKGSKKGCMAKGG	68
DREBP1A	---MCGIKQEM-----SGESSGSPCS-SAS-AERQH-QTWTAPPKRPAGRTK	42
CRT/DREBP	-----M-----DT-----AA-AGS-PREGH-RTVCSEPPKRPAGRTK	29
OsDREB1F	-----EDTSSASSSSVSPSSSPGGGH---HRLPPKR---RAGRKK	38
CbCBF	-----GSEYESPVSSGGDYCPTLATSCPCK---PAGRKK	44
BnCBF	-----RSENEPVNTEGGDYI---LAASCCK---PAGRKK	41
CaCBF1B	-----SSSSFSDDSIYSPNRAIFSDEEVILASNNPKK---PAGRKK	52
PaDREB1F	-----PQSSLLSDASVTTRGASCSDGDVILASSRPKK---RAGRRV	52
GhDBP	PSYLCQSPQPNTISANSNPMVSFLCPK-----PVPMKHVG	15
GmDREBP_NP	QHV-----AQQTQHLGPK-----RVPMKHAG	112
ZmDBF1	G-----LGPR-----AQPMP-KPAVPVPPAP	33
TINY2	-----ERVTLQLLVPNSESD-----SVS-DKSKAEQSEKTKRG	42
ERF034	-----KSEKETNAVCG---SRAVKKQII	42
ZmDBF2	-----TKRQALAEAEAEA---GGEEEEEEEGCAGNKAAPAKKRP	86
ERF038	-----RKKEVVGAEDEAAGGGAEEEEEEAEAAAGKSSAATKKRKR	87
GhDREBP1	-----ELGDCCLTS-----SPASGEKRLH	21
ERF_QDB64575.1	-----RRGSGFLKP-----KKKRKSKKCKGVMSE---GGGD	40
ERF_QCF46602.1	-----RRGSKFLKS-----SRKKKKQKEEAGSSAE---KE-S	42
ERF	-----KRGGNLLAS-----LKLNA-YSIAKSSSKLVKPV	42
PpDBF1	-----KRGGNLLAP-----LKRNV-SSIAKSSSTPK---SG	39
DsDBF1	-----KRGGKLLAP-----LK-THSGAIKSSSAPEKLSIS	42
DREBP5	-----KRGGSLAP-----TLARSQVIGKLLSSH---V	38
ERF039-like	-----RRRSKR-----RVVE---SSDEYPTTSP	38
OsRAP	-----MS-----SSSPVVA	9
ERF_TINY-like	-----SRGTLDIGT-----DTLHCQGLG---RDKQQHAMMK	35
GmDREBP3	-----MAKPSSE-----KP--	9
ERF016	-----MVRPSGG-----RE--	9
ERF016_XP	-----MVRPGRG-----RDNG	11
GmDREBP	GPENLRNCNRYGVRQRTW-GKWAIEIREPNR-GSRLWLGTFTPTAISALAYDEAAMAMYG-	115
OsDREBP2A	GPENSNCAYRGVRQRTW-GKWAIEIREPNR-GRRLLWLSFPTALEAAHAYDEAARAMYG-	124
TaDREBP1	GPENSNCAYRGVRQRTW-GKWAIEIREPNR-GNRLWLGSFPTAVEAARAYDDAARAMYG-	125
DREBP1A	FRERHPVFRGVRRRRGNAGRWVCEVRVPGRRCRLWLGTFTDAEGAARAHDAAMLAINAG	102
CRT/DREBP	FRERHPLYRGVRRRGRLGWVCEVRVRGAQGYRLWLGTFTTAEMAARAHDSAVLALLD-	88
OsDREB1F	FRERHPVYRGVRRARAGGSRWVCEVREPQA-QARIWLGTYPTEMAARAHDAVAIALRG	97
CbCBF	FRERHPVYRGVRRRNS-GKWVCEVREPKN-KSRIWLGTFPTAEMAARAHDAVAIALRG-	101
BnCBF	FQERHPIYRGVRLRKS-GKWVCEVREPKN-KSRIWLGTFKTAIAARAHDAVAIALRG-	98
CaCBF1B	FRERHPVYRGVRRNS-GKWVCEVREPKN-KSRIWLGTFPTAEMAARAHDAVAIALRG-	109
PaDREB1F	FKERHPIYRGVRRRNN-DKWVCEVREPKN-KSRIWLGTYPTAEMAARAHDAVAIALRG-	110
GhDBP	APSKPTKLYRGVRQRHW-GKWAIEIRLPKN-RTRLWLGTFTDAEAAALAYDKAAYKLRG-	209
GmDREBP_NP	TAAPSKPTKLYRGVRQRHW-GKWAIEIRLPKN-RTRLWLGTFTDAEAAALAYDNAAFKLRG-	169
ZmDBF1	APQRPVKLYRGVRQRHW-GKWAIEIRLPKN-RTRLWLGTFTDAEQAALAYDQAAVYLRG-	90
TINY2	RDSGKHPVYRGVRRNRW-GKWSEIREPRK-KSRIWLGTFPTAEMAARAHDAVAIALRG-	99
ERF034	RDGRKHPTYRGVRRNRW-GKWSEIREPRK-KSRIWLGTFPTAEMAARAHDAVAIALRG-	99
ZmDBF2	GSEGKHPTFRGVRMRW-GKWSEIREPRK-KSRIWLGTFPTAEMAARAHDAVAIALRG-	143
ERF038	SSDGKHPVYRGVRRNRW-GKWSEIREPRK-KSRIWLGTFPTAEMAARAHDAVAIALRG-	144
GhDREBP1	RTQQKEKPFIRMRKW-GKWAIEIREPNK-RSRIWLGSTYTPVAAAARAYDTAVFYLRG-	78
ERF_QDB64575.1	EGGAPSKTFKGVRRKRW-GKWSEIREPNK-RSRIWLGSTYTPAEMAARAYDAAVVCLRG-	97
ERF_QCF46602.1	EIVPSKTSFKGVRRKRW-GKWSEIREPNK-RSRIWLGSTYTPAEMAARAYDAAVVCLRG-	99
ERF	LHSGSPKVKYGVRRKRW-GKWSEIREPNK-RSRIWLGSTYTPAEMAARAYDAAVVCLRG-	99
PpDBF1	KPVGSPKVKYGVRRKRW-GKWSEIREPNK-RSRIWLGSTYTPAEMAARAYDAAVVCLRG-	96
DsDBF1	QSPACPKLYKGVRRMRW-GKWSEIREPNK-RSRIWLGSTYTPAEMAARAYDAAVVCLRG-	99
DREBP5	ETQSSSVHYKGVRRMRW-GKWSEIREPNK-RSRIWLGSTYTPAEMAARAYDAAVVCLRG-	95
ERF039-like	EECDSSPSYKGVRRRWS-GKWSEIREPRK-RSRIWLGSTFPTAEMAARAYDAVFCVLRG-	95
OsRAP	SPPMEKKYKGVRRRWS-GKWSEIREPNK-RSRIWLGSTYTPAEMAARAFDAVFCVLRG-	66
ERF_TINY-like	EESTASPRYKGVRRKRW-GKWSEIREPRK-RSRIWLGSTYTPAEMAARAYDAVFCVLRG-	92
GmDREBP3	EEHSDSKYKGVRRKRW-GKWSEIREPNK-RQRIWLGSTYTPAEMAARAFDAVFCVLRG-	66
ERF016	---GNNGRYKGVRRMRW-GKWAIEVREPNS-RGRIWLGSTYTADEAARAYDAVFCVLRG-	63
ERF016_XP	VNNNSARYKGVRRMRW-GKWAIEVREPNS-RRRIWLGSTYTADEAARAYDAVFCVLRG-	68

GmDREBP	--FC--ARLNFPNVQVSTFS--EE-----PSRNSP-----AAAYQS--RNSPSAKE	153
OsDREBP2A	--PT--ARVNFADNSTDANS--GCTSAPSLMMSNGP-----A--TIP--SD--EKDE	164
TaDREBP1	--AK--ARVNFSEQSPDANS--GCTLAPPLPMSNGA-----TAASHP--SD--GKDE	167
DREBP1A	GGGGGGACCLNFADSAWLLAVPR-----SYRTLADVRHAVAEEAVEDFFRRRLAD	151
CRT/DREBP	-----RAACLNFADSARMLPVLAAG-----SSRFSSAREIKDAVAIAVLEFQRQRPVV	137
OsDREB1F	--RG--AELNFPDSPSTLPR-----ARTASP-EDIRLAAAQAAELYRPPPPPL	140
CbCBF	--RS--ACLNFADSARLRI-----PESTGA-KEIQKAAAAEALAFQDEMMMS	144
BnCBF	--RG--ACLNFADSARLRI-----PETTCA-KDIQKAAAAEALAFEAKSDT	141
CaCBF1B	--RS--ACLNFADSARLPLV-----PASSDT-KDIQKAAAAEAEFRPLKLEG	152
PaDREB1F	--KL--ACINFADSARLPLV-----PASMDT-MDIRRAAAEAAEGFRPVFEGG	153
GhDBP	--DF--ARLNFPNLRRHGSH--VG DYKPLPSSVD--AKLQAICESLVQNPQKQGSKKK	258
GmDREBP_NP	--EF--ARLNFPNLRRHGAFVFGFEGDYKPLPSSVD--SKLQAICESLAKQEEKPCCSV	222
ZmDBF1	--DA--ARLNFPDPAE-----SRAPLPAVD--AKLQAICATIAAASSSSKNSK	133
TINY2	--TA--AILNFPPELADSFPR-----PVSLSP-RDIQTAAAKAAHMEPTTSFSS	142
ERF034	--QS--AYLNFPDLAHQLPR-----PATASP-KDIQFAAAKAAAAPKSDGRH-	141
ZmDBF2	--RA--AHLNFPDLAGALPR-----AASAAP-KDVQAAAAALAAFTSPSS-EP	185
ERF038	--RA--AHLNFPDLAGVLP--AASASP-KDVQAAAAALAAFTTSPSSSP	187
GhDREBP1	--PS--ARLNFPDLIFQED-----EL-RDISAASIRKKATEVGAQVDA	116
ERF_QDB64575.1	--SN--ATLNFPDSPSSLL-----LPHCLSP-RDIQAAAAAATAAPP-DE	140
ERF_QCF46602.1	--SN--ATLNFPNSPPSSL-----PLCGSP-RQIQAAAAAATAAPP-DE	140
ERF	--QS--VKLNFPDSPQGV-----QCTSP-RDVQAAAAAATAACILPA-SA	140
PpDBF1	--RS--VKLNFPDSPPCA-----ARCNSP-REVQAAAAATAAVACIPSA-TA	137
DsDBF1	--QS--ATLNFPDSPQCI-----SPSRAP-KDVQAAAAAATAACASAS--	138
DREBP5	--QS--ATLNFPDSPQCV-----SPSREP-KDVQAAAAAATAACCTSS-AT	136
ERF039-like	--PS--AMLNFPDSPVISP-----GKKLTSSKDIQAAAAAATAKAVPRPAS	139
OsRAP	--HGAGADLNFPDSPSCD-----ARSSDP-RQVQAAALSHANRAHVTPQQA	111
ERF_TINY-like	--PS--AALNFPDSPPLSL-----PECHTP-REIQVVAATAAASCTPLN	134
GmDREBP3	--RN--AKFNFPDNPDIAG-----GTSMT-P-SQIQIAAAQFANAGPHEG--	106
ERF016	--SS--ATLNFPDNPPEIPL-----ADEMTP-VQIQEFAFRHARRAPAQS--	103
ERF016_XP	--SS--GKLNFPDNPDIAD-----ASELTP-EQIQEAAFRHARKDITEE--	108

GmDREBP	SGSALVILERSECMMLWNNSGGDAAEDD-----G-----MED-----LSLSLSVK	193
OsDREBP2A	LESPPFIVANGPAVLYQ-PDKKDVLERV-----V-----PEVQDVKTEGNSGLKRV	209
TaDREBP1	SESPPSLISNAPTAALHRSADAKDESESA-----G-----TVARKVKKEVSNDLRST	213
DREBP1A	DALSATS-----SSSTTP-----STPRTDDEESAATDGEDESSPAS--	188
CRT/DREBP	ST-----SEMHDGEKDAQGSPTSELSTS--	161
OsDREB1F	ALP-----EDPQEGTS-----	151
CbCBF	-----DTTTT--D--HGFDMEETFVE--AIVTAEQ-----	168
BnCBF	TTNDHGMNMA-----S-QVEVNDTT--D--HOLDMEETIVE--AVFREEQREGFYMAE--	187
CaCBF1B	ISKESSS-----S-----	160
PaDREB1F	VCSGSSD-----EKERMV--QV--EEKNKKGSVN-----	179
GhDBP	SS-KVTADTK--SR--NNKSDMAE--PKPEEN-----TAKVENSSSL--S--	295
GmDREBP_NP	EDVKPVIHAA--EL-AEVESDVAKSNAEYVYFEF-----DFKVEHENPMF--	265
ZmDBF1	AKSKAMPINA--S-----VLEAAA--ASPSN-----SSSDESGSGF--	166
TINY2	STSSS-----SSL-SSTSS-LE--SLVL-----V-----MDLSR--T-----	168
ERF034	-----SPADR--AP-----	148
ZmDBF2	GAG-----A-HEEP-----AAK-----D-----GAAP-----	202
ERF038	SSS-----L-SADD--VA--PCVV-----H-----ADADE--QPAAAA	213
GhDREBP1	LQTS-LHHAS--AS-SSESS-NP--TRVFRKPDNLKYPD-----SSDED-----	153
ERF_QDB64575.1	GSTPSSSTVP--S--AS-PP--PRPN-----S--	160
ERF_QCF46602.1	ASNPASDPAS--SQ-PDEGS-NP--TRPFSIPELGIVKR--EAFDSQPNEGSPAKPF	190
ERF	LPMVN-HS-V-----T-PSFES-TP--LN--SLHSSSGMSS-----DDEAEDIDRSHHV	181
PpDBF1	LTVAN-FQSP--A-QTLES-SP--LH--SSPSSSDMSS-----GDEDSGEDSVQSF	179
DsDBF1	-PLA--EPTN--T-PTFES-TT--V--ESLHSPHLC-----EA-----	165
DREBP5	PSIG--EPAN--I-PTFES-SS--SAVESFSASSSQ-----EA-----	166
ERF039-like	VTSKPV-----PLPSSS-----KQAQEEEAAPVTPL	164
OsRAP	AAAL-----MS--P--PSLSPP-----PGFATGSEVVA	137
ERF_TINY-like	FQVKEEAQLGFLSI-RNETN-VS--PRSHLRPVESEN-----SSTSEGRS-----	177
GmDREBP3	-----HS--GRPEHPMESPS-----PSVSEGTI-----	128
ERF016	-----VE--DLGSNEA--AV-----	114
ERF016_XP	-----AE--VKEMAA--GG-----	119

GmDREBP	HEE-----GE--DESGTS--SSYLSLS-----	211
OsDREBP2A	CQERKMEVC-----ESEGIVLHKVNIS--YDYFNVHEVV----EMI	246
TaDREBP1	HEEHKTLEVS-----QPKGKALHKAANVS--YDYFNVEEVL----DMI	250
DREBP1A	-----DLAFELDVLSDMGWDLYYASLAQGML	214
CRT/DREBP	-----SDLLDEHWFGGMDAGSYASLAQGML	187
OsDREB1F	-----GGG--ATATSGRPAAVFVD-----EDAIFDMPGLIDDMARGMM	187
CbCBF	-----SASLYID-----EEDMFGMPSLMASMAEGML	194
BnCBF	--ET----T-VVG--VVPPEQMSKGFYMD-----EEMFGMPTLLADMAAGML	226
CaCBF1B	-----TPESMFFMD-----EELFCMPGLLTNMAEGLM	188
PaDREB1F	-----LERSRSLSLSYWD-----EEVFHMPRLLDHMAEGLL	211
GhDBP	-----TVQSESE-----GSAV-----	306
GmDREBP_NP	-----SGES-----	269
ZmDBF1	-----GSDDE-M-----SSSS-----	176
TINY2	-E--SEELGEIVLPSLGAS-YDVDSANLGNE-----FVFYD-----	201
ERF034	-----SSPTADNDDDD-----AALFDLPDLL-----	169
ZmDBF2	-EAAADAQAPVPVALPPPAASRPGTPSSGVEDE-----RQLFDLPDLL-----	244
ERF038	KNDDDDGSTTAPV-----AAAAAAAADDE-----QQLFDLPDLL-----	247
GhDREBP1	-----PVKKEVQ-EDGEDDH-----NLQGLFDMPMSPEDL-----	153
ERF_QDB64575.1	-----HE-EGTVKREIM-E--EEDNHLQGLLMDGILNLPSPDF-----	189
ERF_QCF46602.1	SIELG-----HVDVVPVE-----	230
ERF	TKF--CS--HVDVVPVE-----	194
PpDBF1	VAEGSQIS-----PSEVVPVLEWVKVEFGDK-----ETVAAGDVDFDCDYSFI-----	222
DsDBF1	SSALAMAE-----PQSSFEVEEWIQAEGDL-----EPLIDNAFRFPPELPPC-----	207
DREBP5	SSAVT-LT-----SSSTVPLEEWINSEFGEL-----EPLIDNAFRFPPELPPC-----	207
ERF039-like	LVSE-----SSPSSLRRTWSL-----QLDEDFAMA-MLLPPLPPLP-----	200
OsRAP	VRADGSIDWRPVMHPPPLYSPPGWGG-----GHAYDFLQPP-----PPSP-----	178
ERF_TINY-like	-RKI--DLS-----SKD-----EHDEELDYTG-----ESCP-----	200
GmDREBP3	-QTDS-DVP-----TLN-----GSVTD-LFTP-----VGSS-----	151
ERF016	-----VSAS-----GSSS-----	122
ERF016_XP	-----NFNG-----ECYF-----	127
GmDREBP	-----	211
OsDREBP2A	IVELSADQKTE-----VHEEYQ-EGD-----	266
TaDREBP1	IVELSADVME-----AHEEYQ-DGD-----	270
DREBP1A	MEPPSAALG--DDGD-----AILADVPLWSY-----	238
CRT/DREBP	MEPPSARTWSEDDGE-----YSAVYTPLWN-----	212
OsDREB1F	LTPPAIGRSLDDWAAID-----DDDDHYHMDYKLWMD-----	219
CbCBF	LPLPSVQ--WNHNYDID-----GDD--VSLWSY-----	219
BnCBF	LPLPSVQ--WGHNDDE-----GDAD--MNLWNY-----	251
CaCBF1B	LPPPQCAEIGDHV--ET-----ADAD--TPLWSYSI-----	215
PaDREB1F	LSPSQCLGGYMNLDMDG-----TDAD--VKLWSFSI-----	240
GhDBP	-SSPLSDLT--FSDFDE--QPWPEVVSSE-TFMLS KYP-SEIDWSILKA-----	350
GmDREBP_NP	-SSPESSVTFLDSDSDS-NNQWDE--ME-NFGLKFPSEIDWEAI-----	312
ZmDBF1	-PTPVVAPPVADMGLDLS-EVPWDE--DE-SFVLRKYPSEIDWDALLSN-----	222
TINY2	-----SVDYCLYPPPWGQSSSEDNVGHGISPNI-GHGLSWDL-----	236
ERF034	-----LDLKWSSW-----LSSSSSE--YFAEIRLDHEPFLWEPPQLGENIHVFD	211
ZmDBF2	-----LDIRDFGRFPFMWAPLTDVEDVNAELRL-EEPLLWE-----	281
ERF038	-----FDIQDGPFGFPAMWAPLADVDE-VNAELRL-EEPLLWDLGVTDA-----	289
GhDREBP1	-----	153
ERF_QDB64575.1	-ALPAAAM-----EF-APSTSEFWELDNLWSFSR-----	216
ERF_QCF46602.1	--IPVAAI-----EP-AAAASEFWELDNLWGFAR-----	256
ERF	-----	194
PpDBF1	-SEFAADS-----LLACSYNSKG--RTEYLP-IETHDAALYDSTLWFF-----	261
DsDBF1	-----VFDSQFI-F--QPSAGP-LEADNRALYDS-LWCFS-----	238
DREBP5	-----DQICQ-----LPSGAF-LDTESRMLYDS-LWCFS-----	234
ERF039-like	-PIQMTD-----E-EDSDHGVLEHLDLW-----	221
OsRAP	-PLPSCDDMDVVD-----ESSASLWSFDTRD-----	205
ERF_TINY-like	-PLL TADDYYVSLDDVELAWDMKVDL-----NFLDLPPLEDFEDGPRKLT KT	249
GmDREBP3	-GYADYGIFFGDFDGFYVPEMPNVNYGE-ENGEGFVDESFLWNF-----	198
ERF016	-GYGVDD--V-----GVDGAFYQSPGLWTF-----	144
ERF016_XP	-GGGSVG--D-----GSGGYHSSGFWTF-----	149

GmDREBP	-----	211
OsDREBP2A	--DGFSLFSY-----	274
TaDREBP1	--DGFSLFSY-----	278
DREBP1A	-----	238
CRT/DREBP	-----	212
OsDREB1F	-----	219
CbCBF	-----	219
BnCBF	-----	251
CaCBF1B	-----	215
PaDREB1F	-----	240
GhDBP	-----	350
GmDREBP_NP	-----	312
ZmDBF1	-----	222
TINY2	-----	236
ERF034	L---HSLV-----	216
ZmDBF2	-----	281
ERF038	-----	289
GhDREBP1	-----	153
ERF_QDB64575.1	-----	216
ERF_QCF46602.1	-----	256
ERF	-----	194
PpDBF1	-----	261
DsDBF1	-----	238
DREBP5	-----	234
ERF039-like	-----	221
OsRAP	-----SYFRY-----	210
ERF_TINY-like	NSGRQSLVQYCRQFSSNYERVDSMHLVCDVFTM	282
GmDREBP3	-----	198
ERF016	-----	144
ERF016_XP	-----	149

Figure S2. Sequence alignments of DsDBF1 and other known ERF/DREB proteins from mosses and vascular plants such as *Syntrichia caninervis* (DREBP5_AMT92109.1), *Physcomitrium patens* (ERF RAP2-1-like_XP 024372564.1; PpDBF1 ABA43687.2; ERF_TINY-like_XP 024390306.1), *Gossypium hirsutum* (GhDREBP1_AAO43165.1; GhDBP_RAP2-4-like_NP 001314591.1), *Glycine max* (GmDREBP3_ABB36646.1; GmDREBP_NP 001345276.1; GmDREBP_NP 001345278.1), *Oryza sativa* (OsRAP_XP 468111.1; OsDREBP2A_XP 025878770.1; DREBP1A_XP 015610912.1; OsDREB1F_NP 001359120.1; ERF038_XP 015614793.1), *Triticum aestivum* (TaDREBP1_AAL01124.1; CRT/DREBP_XP 044398325.1), *Zea mays* (ZmDBF1_AAM80486.1; ZmDBF2_AAM80485.1), *Capsicum annuum* (CaCBF1B_AAQ88400.1), *Capsella bursa-pastoris* (CbCBF_AAR26658.1), *Brassica napus* (BnCBF_AAL38243.1), *Prunus avium* (PaDREB1F_XP 021803652.1), *Arabidopsis thaliana* (TINY2_NP 196720.1), *Bryum argenteum* (ERF_QDB64575.1), *Pohlia nutans* (ERF_QCF46602.1), *Selaginella moellendorffii* (ERF039-like_XP 024530345.1), *Citrus sinensis* (ERF016_XP 006474696.1), *Apostasia shenzhenica* (ERF034_PKA61103.1) and *Theobroma cacao* (ERF016_XP 007012585.2). Multiple alignment was performed using Clustal Omega. Amino acid sequences are highlighted with different colors. Sequences marked by (*) show conserved amino acid residues.