

Fig. S9 Sequence alignment of proteins from four groups of predicted SUMO proteases

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A_AT3G48480.1	SRRSNRVRNTNSKY	VSSFARVTIIDDCEEDEYLKHRICWKHIAAAL	SKCGSKPKRIKELE	<u>I</u>	FKLTAPCF		65
A_POPTR_0015s10250.1 A_POPTR_0010s18760.1	-AX7						71
A GSVIVT01007539001	TOTAL	RPROGGVVIIDLESEGCTDQPSKRRTCWKRIQAKWI			TPPPTTPCP		66
A Solya00g007260.1.1	HTELPSWSOFRSRSRPS TOKEKVTADTTHSEVIPEOASCFSOFKPOSHSOKRTKSKI	FANTSTOFUT			TATOCOAFCC		195
A Solvellg072220.1.1	ERTGND I SNGERVGNDS SKGECTEND I LEGERMGNERSEGERTRNSR SEGERTGNDR	SECROTRETEN SBUSBSK NEBSEGERMOND ISEBER TOWN I	FORWARDOSEGER TOWN REFERE		-ENIQUE DE CONTRACTOR DE CONTR		219
A LOC 0s11g10780.1	DATE OF THE PROPERTY OF THE PR	PRODUMENTO AND	DOCK TOUD CONTRACTOR VOLUMENT				
A Bradieg22405.1		LKDMLVSAECK	OKPSRASRRATIONTS	G	SSONVLPSF		37
A Bradiig22300 E	Pi	DEPREMENT INTEGENDECE	CERCROSED CULVE TO		SEMNST DEP		47
A 5505g009053.1	***************************************		KRPRTRRTTTLKTS		RSKNVLPSF		24
A GRMZM2G545326 T01	PRO	CRRDKGOAL IDLDSDAEDECO	SKGSOTSRTTTLKTS	GRLKNVLTITLKT	SGRRSKNVLPSF		54
B2 AT4G33620.1	T.ON TUTDUEUPVKE-EPSRC	ET.SGDGWSDT.TD		VTK	MIGSHER TO TOST.		115
B2 AT1G09730.1	TILTFGLETTOHLEET-DAEHUNGGLMLGLKTEDLAKETD IDHDNHG	LAFGLNSEDDIEETDVI	HRVESF SCOLGGNSF YAE TSS YSO	POLNSPFS	DSSSSEEQ ID)44		198
B2 POPTR 0005817970.1	SSLVCVDADAIDCD-NASIRVR9RIVGED	LNTEEGNSAAFKLTSLSKEKDPCFPVDC	FDSKMIPSEHVTRISCHEAFLIGE	SOLNCGLRDGPPS	SAEVV		131
82 POPTR 0002:10590.1	GSLVCVDADAIGCD-NADTCVQFGTVRDD	Liteegnegedavflitelendogfcfrvdi	FERRIFSEDERIISCHEAFLPGE	SQLHRGHRDSPPS	SSEADDGOLDV		165
B2_POPTR_0017s07140_F	IYLGK SDEVVD IDTTILD-DQCQCSVSVPAQMPQEDCAVKEEISQ			LDTLGID IDDGPI	DVAIGGKGISCH		172
B2_POFIR_0007s03240.1	GMSNEVVD IDTTIDVE-GQCQ 1SVSAPACHPQEDCSVXE ISRLDR			LFRFSNTENESVG	RISDND VG LEMS		163
82 GSVIVT01009173001 F	DNVQWVDVDAIDND-DSGKCDISLTPSVEGEESAGKQGTAQSD	CNSDEGNAFSKA	DTHREFFEVLQTDDENDAAASPGD	CRLNSDLFESPPE	DEQLDVI		163
82_Eolya01g105830.1.1						GHEREHERERENSHERENSHER	3
B2_Solyc11g0170#0.1.1	GDEPSED IEAADSDFNGNKALSSLDAEGCGDERMIRLGSTPKI		STIKKRRFFDREPHINIVGGSFLEGS	SYRGTDCQE-IFS	GFHSHDESVGAV		134
82 LOC 0s05g11770.1		D	10x1x44v216	PME	EVGFGC TOPFEL	626e	94
B2_Bradi3g60530.1	λΤΡλ	D	YOHTGHMSGIQ	AVE	EDEFGS TOLPKE		45
32_Sb03g040230_F	DFLFEEAP	ELSATVNSGARFNSGVMVLEPC	CTFDLLMSGIX	DIE	SYNGGD QGYLNE VF THMHRL PRHV)	FLEYVHAEGDEAAQARMLTA	91
82 GRHEM2G177324 F	DTERGNADEND TEROGNADENEVERSTY SAVESK			HPTT	SVHVGGHGFQGT		17
81 ATIG60220.1 ULPID	-MRASTASKDISGOGTSGSKDVERSTFAMFSDNLKM	DSQ5KKAFGKILEDIGCERRKKKAGRKFVTRLSNGWRLIFDVG	AERSAKOFDEGLKEEKGNKKEKEP	YGKKAPMESSTYS	LIDDDDDDDDDDD		271
B1_AT1G10570.1 OTS2	HCHRO MWRENGREGKERKON 10S BEROLPFOFATRVELN	JPQFVKLVNDKLQDLGRGSW1SKANRDSI1EKNNVWKSLFRLSI	CKVSLKNFYSESKDPKGDRRPNEA	YGKGKPNESSPYL	LVDDDDGDDD		258
B1 POPTR 0010s04980 F B1 G5VIVT01020235001 F	HCHRQMMRBNGRBGKKRKQNIQSBBRQLPFQFATRVSLN	GERRG FANGOO KGKASSAHLLHHNSENFS TNSSKI	SC	PRIQFYLYLMHY	LIMKIINIKSNINIILESHNSCVDI	GKYPC T	
B1 Solvc04g026200.1.1	RAVSKPANAFO	PET VI VANDANA PORT ANA PORTA PORTA PORTA	SECOND SECOND WINT PAYNAGES				129
31 Bolya05q005630.1.1	RHHEB ETGAANDLGCRE AQBAPR SQEAFA VCFSKKLEEKANSKAPNGFQ		TREPUBLICATION TO THE VINOVERN LESS				213
1 LOC 0s06g29310.1	RVVOSGCAESSVKOOAVIISDFRSEFGIDEEAGVDVSKIETSA-CIGDFKT	EDUTE TI CTTTDECUCUE TEAVICUE PETVATUTALI	DOVENIA VERTO VERT				200
1 LOC 0s12g11380.1	VF SFD IEDQLGEDASRRFCGKPWP-VSSTKEN YGQLGIETRRS-SR	OTFORKETSUDKNYSSKEGSSTT.SCHKT.RUNATOL	DEKANDE KEEDEMRVEERN	VIENTATIUTUME	TEN TE TERREND		244
B1 LOC 0s01g53630 F	HAFKDGDKINWVNISSKHKQNVPITPIINYG	OAEDSAFFKELSYFGREKHASIKKUEOSSRITUS	OPKNNAVCPK RADDKO	T.HMDNK T TUNKRK	LGSKSCTRKRPK		240
B1 Bradilg#2280.1	RIMES SCAGSSGLPTGSNENKGVIKSDFIAAFEADDEAGIDVSGLETST-GPSKPKH	CUENERIA, VILDEYCK TOEG PTITLS PKULCUDNSTD TE THS PDI	GCKDMGRSRMC-ELSTRSRKRKED	TEUDESHELE			233
B1 Brad14g02360.1	RMRSKUVADCNRGNARP-DASTUYDFGVFYFFTAFTFCV	OEEDTAFIYI	SITESRGG	YAEKUK IPC	TKK I TI I KUF		214
B1 Sh04g001916.1 F			-EVEDREKCOKVOSUT.DBBFSKBT	2000-001-00-0			174
81 Sb08g020821 F	F SEVDED FOR ENVISHENCIAL SERVES SERVEN DORLEMNERKS OG		-FESDYKSSLPSRFSERR				178
B1 5b08g020823 F	F SPVDEDOOGENV SHEKCSKSSPKF SGDKKNDGKLPMNKRKS-OG	RANAIDO	-EESDYESSLPSKFSERR				178
B1 Sh08g020827 F			*******	*****		***	
B1_Sb03g034030.1	LKSDDETNDSTGSKFYPNSSFTFATKTC		QLKTCANLPKSC				210
B1_5b10g016910.1.							
B1_GRMEM2G432931_F							1
61_GRMZM2G072939_T01	LSPINDDKEGENVHDKNYSKLSPKFS-EKKNYGQVPLSKQKS-QG		-KEPDKQSSLPSKFSKRR				
61 GRHZH2G351786 F	RIVRERCIESSGLHEDLSRVK-VEVADFMESFGADKEAGIK ISSLEIKGREPHKFETS	SIENKGKLCEEKDSCEASSOOMNSVHEELHLDISENMRKISSD	GaenngnnvmmeevPTPSRKRKGA	DFVSFEMKL			232
B1_GRMEM2G174667_F	FLRFGRLAWRVGQGCFSVKTGPRASRGYARCWRGSSGETPLQLCAD-GG	Yolrfrsleapeflhrargrsrtdstflhtflri	SARRRGESAMLPSEGAERG	YSGEL	*****	*****	108
B1_GRMZM2G142553_mod		IQVKGAAYEEQSSLSKGXYAYPKNGGQISKESLR	QSKTCAYLPKSTCSEHLNNDIDRR				222
C AT4G15880.1 ESD4	INPLOCATE CONTRACTOR OF THE PROPERTY OF	DVRKKMA. BLUMRE DROKLURRH LIRKI	THE STATE OF THE S	APERREI	KAPERGILKYUK		89
_AT4G00690.1 ULP1B	KNOSRVLNSELGDFDLSVLWDOILNFEGYGSYCFRP		WILL COLOR	nar maar	AND DESCRIPTION OF TAXABLE		1
C_AT3G06910.1 ULP1A C_POPTR_0010s01730.1	KNOSKVLNSELGOF DLSVLWDQ ILMF EGYGS YCF KP	TO PURE THE PORT OF THE PERSON	TRYPE V		WARPING CONTRACT	DRST	98
C POPTR 0010x01730.1		TIDAK PAT IILIQI PE INNU ILUSSN SIASKI	POUNTAL	TRYKKEV	VARCE PORTU	COUVECAPE PER LE	99
C POPTR 0082500230.1		A SOURCE STANDS AND ALCOHOLICE T	CV UDERS	The RALV	VARCEP OFFIT		99
GSVIVT01017729001	IFGLFFLPSSKNFIFFGFNLGLIDLIFLRGDECFTLMCTFLSPYFODLDRRIDS)	TISKEPAT SIMIQIKKI NIQILGSSISIASKI	SAIPEIA-	TAP RREV		SKYKSGGFSEKERNI-	165
Solye12g099530.1.1	TOTAL PLANSKAP IF FOR RESELECTED BRODECF TERR IF ESPISODES REDST	TISKEPALSSMPQIPUPAVSSKSIASKI	POURS	VETCHEN	VARCEY TREES	PAMP PUTT VYPET	86
Solve01g066830.1.1	SNVD)	TOUT OF CUCKING TANKERODY OF THE T	TY VBCNT	TETEPET	VIDOPP-TOPAG	KOTKPHITHINGS	85
Bradilg18100.1		TINKPALIPANQ IQUAPI SKA IMALI		TIPDOUTT STOP	TIPEL GLIDPPP	110001110000000000	72
LOC 0x03g29630.1				PERCEENT TOOTHY CAUPEY	TET AT UUS DE DEVENE OR DT	VACEDIST DESPRESSES	93
5b02g012620.1		NSANANSCRURREADAKEGGSD	POSTURE PATE TEAT A TARKER HADDATE SEEL CHE	BERNE HISPURT DATA DR	SERVAT.UTTERRH	DARKATPTDCRHRERESTTD	125
GRMEH2G010505 T01	FPIOIPTPAAAGLVRTLTTPFSAFOBTTHA	PFT PAUTURA ARREPTED VANAMPARES DEP PROPERT I COM	PT AMPEPAT PTT A SATUE PENDA A TECAP DECE		SERVET ATABESU	MAPPA USTOCE PERFECT D	163
LOC 0s03g22400.1		TALASPELLERRR	KRFLDDS	XF			36
Bradilg62760.1	~	TSDAGLTFNRR	KRRLPAS	DT.T.YPHF	RSPKRK		32
GRMEN5G849959 TO1		TTSASPLF PNPR	KRHT.DAS	PT.PRHF			37
5b01g035640.1		TARASAT.T.XYSR	KROLDAP	FI.PRKF	NGPOSH-TRISO		37
	PAKES PIPERD	STESTPGPERSSITASTPLPK-R	RRI.PP	PPFOREI			116
			PRT.DDD	PRICEPLE	WADODN-TRUFF		118
GRMZM2G088653_T01	RAKLA PP PELD PSTSTV PF IR PS PO I INSTATA	SASSTPGPSSS					
C_GRMZM2G088653_T01 C_Sb03g013930.1	RAKLAFF PELD	SASFTPGPSSSSTIASTPLPK-R		PPLPRPI			117
C_GRMZM2G088653_T01 C_Sb03g013930.1 C_GRMZM2G012601_T01	RTKLATF PELD	SASFTPGPSSSSTIASTPLPK-R PGPSSSAAAAATASTSSKSSLPKPR		PPLPRPI			117
C GRNENEGO88653 TO1 C Sh03g013930.1 C GRNENEGO12601 TO1 C Bradi2g12720.1 C LOC 0s01g25370.1	RANLAFPPELD	sast tpgpsss	RRLPPP	PPLPRPI PPISRPI PPHPRPI	HGPORV-RRSFR		117

Fig. S9 continued

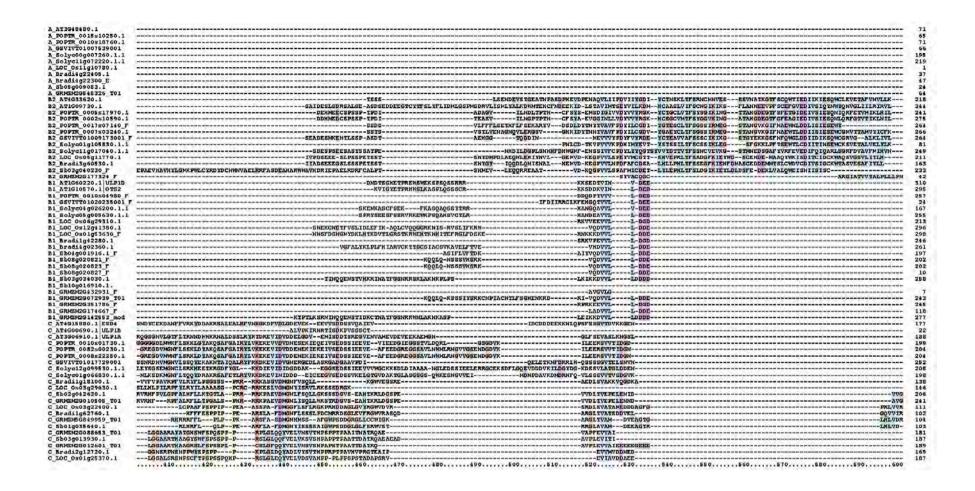


Fig. S9 continued

T3G48480.1		ERRIKCKYL	DSKLRXKLNSKAF VQY-1	EDVWRGFSDEKKNSF
		KRR IKRKKA	ivke irekikldsgafdcy-i	ERIFI
OPTR_0010s18760.1	IQTIP-CRER-S	KKRFKRNNAVS-	KLKKELDSV6FNCY-I	ENLWKSFSEDKKMSF
	SÑTFP-RHERS	KRR INCKNI	IIRKEKKKLDTAAFEWY-F	RNLWKSFSDDKKSSF
		KSKITADSTDSE	VIPIRASKENGQERKNNSQKGIGSSKFELY-I	E SINKLEPEDRRNTF
	LCKLSCSRHSRSEGERLR-GLSXRNN-S	REEGERFR	RNSRSEGKINSINFDCY-I	ENIKRKLPEDKKNLF
OC 0s11g10780.1	DGNLP-F			
radi4g22405.1	UGALP-U	KKIA15K	KDKTNQDKLDTEIFELY-	EDLWKKIDEDKKBAY
radi4g22300 E	10M.P-L NKS - S	KKIVIE	REEKKKDKLDTRIFELY-	EDIWIKIDEDKKEVY
RMZM2G545326 T01		SHAISK	RNKTNQDKLNTDIFELY-	EDIWKKIDEDKKSAY
AT4G33620.1		KHAISK	KNKTNODKLNTDIFELY-	EDIWANIDEDAABOY
		EPDAVVVKKQDI	ELLAPARI INDTITUTE	TURNAL SPACE - NORF
AT1G09730.1 POPTR 0005:17970.1		DPDAVEICKRDV	DETACHE THE TANK THE PERSON OF	NXLANGIQTEEKARF
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LOC 0s05g11770.1	VGSGTETGNSSHDRIOFCLID SOMPRNOONIM-HLASRYO-EIMHNIPSGDFASEMINIEPSLFFFKOYFSDIE-EFEDVIYFXG	DED AVE TEKEDY	ELLIPETFUNDTITOFY-	K
radi3g60530.1	Vossakatnsgpvrvēpclid prupproēkiu-mlaskyoeiw-nipsisisedpapesusiepeipyprojis-dpediiyek	EPDAVEISSEDV	ELLIPETF UND TITDEY-	KVISTRIETTVKRRF
103g040230 F	TE-DEFOULY	DPD AVS ISKRDV		KVLSTRIESTVKRRV
GRMZM2G177324 F	FPDCVGDEVAVGUEDTCGGPVRARFSLDDSOWPRROOKIW-FLGPRYO-FIMEDIPS	DPDAVS ISKRDV	ELLL PETFUNDTIIDFY-	KYLSTRIESTKKRRC
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AT1G10570.1 OTS2		OSDGRDLVOVSLKDL	KCLSPGEYLTSPVINFY-	RYVOHHVF SADKTAANC
OPTR 0010s04980 F		DPASVE IAXXDM	DCLAPEAFLISPINNFY-I	RYIRLOAS PANKATCDY
SEVIVTO 1020235001 F	EPOLIETNOGAT-KITERHK-E	DPESVEILFSDI	DCLAPOAYLTSPINNFY-	OYLOOPVEFTDRAPCNY
Colve04 e026200 . 1 . 1	DEDATKATE PUD-ON IER-K-A	DPESUE TCCSDM	ESTAPEAVISSTIMMEY-	RVIONTEPHADUNEV
olve05 g005630.1.1		DPEAVEIXYSDM	ESLAPEAYLSSTIMNFY-1	RANTGTTYVAIYLLIHMWHLOOKKS FADGERCDY
OC 0s06g29310.1		TPNSIELSYSDM	KCLEPESLISSPILNFY-	MYLMGOMPSTSRLGGKY
OC 0s12g41380.1		DPEAVELESSDI		OYMERTKI,MDDDCREEF
OC 0x01g53630 F	DMEPA KSINV-EMAKRW	DLE 1FEL ICEDI	ECLEPEEYLKSPVINFY-)	QCGDL
radilg#2280.1		KPGSVELSDDDI	KCLEPESLLSSPINNFY-	MYLQGPMSSISTLRGKF
radiag02360.1		DPEAVELSGSDI	KCLSPGVYLSSPVINFY-	LYIKRERFQIEDGRGRF
5b04g00191e.1 F		NRESVELTREDI	KCLDPGVYLSSPVINFY-	QYIKNKLCTEDLRDKF
5b08g020821 F		DREAVK ITREDI	KCLDPQVFLSSKVINFY-	KY IERTRLCHENFROKF
5b08g020823_F	DKKPK-EEVIR-EMPPRIN-E	DREAVRITECDI	KCLDPQVFLSSHVINFY-	KYIERTRLCNENFROKF
5b08g020827_F		DQEAIELTREDI	KCLDPEVFLSSPVINFY-	KYIKRTRLCNENFROKF
5b03g034030.1		DPEAVELSYSDM	KCLEPEEYLKSPVINFC-I	QRRDL
b10g016910.1.				
RMZM2G432931_F	HGR		SPFEVLGVEATIFT-	V
RMZM2G072939_T01		DOEVVELTREDI	RCLDPEVFLSSQVINFY-	KY IKMTRLCDENFRDKF
RMZM2G351786 F	TPK - FESAK-LISHMID A	RICSVE INSUDI		MYLQGPMESIIRERGEY
RMZM2G174667_F RMZM2G142553 mod		NRESVELSESDI	KCLDPGVILSSPVINFI-	QYIKKNRLSSEDFRDKF
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PTR 0010s01730.1	LOVED SIGNAL STALL NEV VIGY CAPOLLENT - RRINKL SLFFE I YEXRESSIKAL PVKE VVEI FREFF I PLIPEE AV VKRAFLENN RRVLVSK	BUSHID ITGOTT	PCTA PGTHT HIP THE Y-1	FTYPPPPPPPPVVPTV
PTR 0082s00230.1	Lovenignergelalnief Gultvetexkledit - Rrigelg Slkfete yvenrosfkalrdykke Fuek i srepf i fildpeetevko aft pan-rrylush	GNENID LEGO II		DTTUPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP
PTR 0008s22250.1	- IGAENTGKMLSSIAINNEF GYLTVETYKKLIEDTE-RRN <mark>GR</mark> IGSIKFE IE YNEXRWOSFKALRPVNKEPVEE ISREPF I PLTPEEETEVKOAFF PWN-RRRVLYSK	GNEN ID LYGOTT	NCT APGANT NDEUTNI V.	C. TIMERERREDKKEIKO
VIVT01017729001		ETSNIETTGETT	OCTOPTANT NDEVINUE-1	ELKEREKREDKKELKO
vc12g099530 . 1 . 1	-lkeesuvkmidslamneksbsyfyvelyrkligsvg-kisdklkrlofoieineksletnrilreokke-eovkeda iseefveltekehdevtcaisksn-rrkvlutki	KSSNID ITGE IL	OCIRPGAWINDEVINUY-I	ELIMEREKRE POKFIKC
lye01q066830.1.1	-INVENDENT DITELS SKEDS AS ASSAUDENKILIGS AS -KRIDNIKRIOFH IS VIEKRRETONILIR POKKE-E VUKEDU I TE PENTIDELE AS USBAL SISS -RRKULAKKI	ENSH TO TEGETT	OCT.EPGANTNDEVINUY-1	ETIKERERREPKKEIKO
dilg18100.1	SAVRRGT - RDASKITLE EVR - TOR POED LISELF TELT TIGE ESEV WAL YGGGHSKK IVAAN	EPSNTE LTKETT	GCLRPRGWINDEVVNI.Y-I	E
0803@29630.1		GPSNID ITKEKI	WCLRTCHWINDEVINLY-I	ELIKERAOREPKRFIKC
20042620.1	rrigdwsvpalgssrslekk pmvrkalowtk-krvgrloesg ieklrlael pgpld tipkedlself tplsdkeerevntll ymrnhsdkuvu ih	EPSHIE I TNDKL	OCLRPRGWLNDEVINLY-I	ELIMEREOREHNRFLKC
GM2G010505 T01	rmigdrevpalgsekepekkatiyel-phgaulo-legikkiklaeledploniskedleelitipledkerlynaliceeddedk ivy ik	TPSNIE ITKEKL	OCLRPRGWINDEVINLY-	ELIKEREKREPHRELKO
0903922400.1	rvod frkaaleaaaprervkrefy drealervr-sko <u>kkloela suvuleeeklaelrka-ap</u> prediself teltaeeenevinglforgsste ilauk RFd fikvar <u>o</u> avppprekvk pp wealekto-ihoxrloelevevilokevleeirkapkedisolf i pitaeeenevwoci v <mark>oto</mark> ssevlvim	EPSNIEVSREKF	RCLRLTAWLNDEVINLY-I	ELLKEREAREPKRFLKC
di1g62760.1	ap <mark>d</mark> ptkvarqavppprekmk ppykealektg-lhdk <mark>r</mark> lgeievevtlokevleeirkapkedlsolf i pltaeeenevhd ci y <mark>gyg</mark> sssevlvik	ESSNIEVSREKF	RCLRPHGWLNDEVINLY-I	ELIKERGIREPKRFLKC
CZM5G849959_T01	rrutdsrkttlkeeaux ppowkkrr pfykealeaaathyd prleaig ie irlokeklay i pks-dkaaked mselfk fltaeeendvhdcl ysrg ssskulviki	EPSNIEVSKEKF	CLRRGCWLNDEVINLY-I	ELIMEREKREPHRFLKC
19035640.1	krvid frratlraeavk <mark>fo</mark> oskri e fynlahoaat-ornw <mark>e</mark> le eigidvrf ig eklse irks-dravkedlek feltallekelhdof y <mark>gr</mark> g fss <mark>k</mark> vlvlh	EPSNIE ISKEKF	QCLRPRCWLNDEVINLY-1	ZLIKERE INEPIRFLEC
ZM2G088653_T01	-eedederk <u>oo</u> neeev <mark>mg</mark> s0vvrrvepfkelyeasrokrda <mark>k</mark> lktlefevrlte <mark>ogr</mark> lsierlaealpr-i1pkkeevpepfvpltdedeemvroalh <mark>gkn</mark> -rherlavki	EPSNIVITREIM	QCLNNQEWINDEATHLY-I	DLIKERELREPCRFLKC
3g013930.1	-eedkevrkoo-deevr g gvvvrrg fiykelykasookrdakiktlefevrlaeegriglerlaealpr-itekkeevfepfv fitbedeemvroaingkn-srerlaiki	EPSNIVITREIL	CCLNDKEWLHDEVINLY-I	DLIKERELREPRKFLKC
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MEM2G012601 T01	-eedederk <u>oo</u> deeevr <mark>o</mark> svvvrkvpoynel teksr-kada <mark>x</mark> lktlefevrlaov <mark>grls</mark> lerlaealpr-i ipkkeevpepfvpltdedeemvaralk <mark>s</mark> kn-srerlavn	DED'S TELEVISION		
MEM2G012601 T01 adi2g12720.1 C 0s01g25370.1	-Education of the first of the	EASNIVITREIL	OCLNDKEWLNDEVINLY-I	ELIMERELREPNKFLKC

Fig. S9 continued

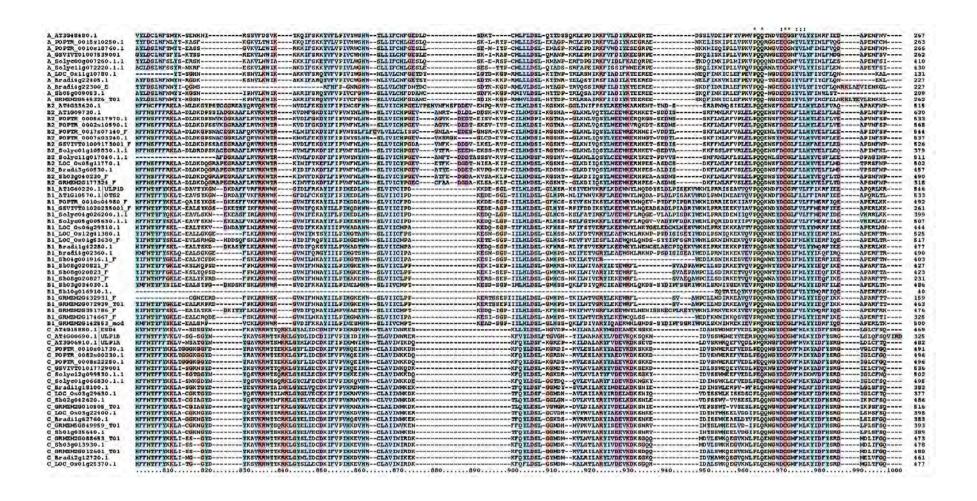


Fig. S9 continued

AT3G48480.1	ED-MPYFLKE	
POPTR_0015s10250.1	DD-YPYFMKQ	NHT PROCLEAT FIRE PIEM
POPTR_0010s18760.1	EG-YPYFMKD	MPFSPEGLEKPCEKLESLESD IL
SVIVT01007539001 .	SEGYPYFMKK	MYFG PEALEKFFRX LDS I PX FDL
501yc00g007260.1.1 -	SKGYPYFMTE	DWFTPERLECFLQEVQSASGSTSDSDECFLDDGDQVCIDF
Solyc11g072220.1.1	SEGYPYFMRE	DWTRDQLSTROOLOTYNKSSSDGNSSSDDYCCD
TAC Dellatoren 1	OPPROATEDR	DEPMENDENT OF THE PROPERTY AP
Braditg22105.1	GEDFSQLSKD	- VMP NEELENFIXED TRIFOR TRIFORMAN MAE
Bradi4g22300 E -	EEDFSOLFDD	GSFDPEELENFRNDVNLFQANRSTXTEE
Sb05g009053.1	KTKNWQMFLK	THENPELLENFIND INSTO
GRMZM2G545326 TO1	EERFTQLFDD	GWYNPEELDNFRKD INSPQANNORVAE
AT1G09730.1	FK-IYMASH-FLYL	
POPTR 0005s17970.1	FR-INGFTK-FLNG	bwffpreasikrtliorliselloncsrevsssgcsseooshffeingk-esgleivsdryspdgackunisssDhgogieitligusphrnskcyhdpg
POPTR 0002x10590.1	FR-INEFNK-FING	DWF PPAEASLKRILLORLISELLORS SREVES
POPTR 0017807140 F	FK-ITEFSH-FLSR	NWF IPGEASLKRIN IOKLICE LIEDQ SCT
POPTR 0007503240.1	FR-ITEVSN-FDKKVSNPAVL	DSKXYIG IENWFLPVEASLKRAC IOKLIRE ILEDRSSTUNSRHIFK PGISARSFSNEDCHQOFSDPYE EETGVEFLEE ISSSVSGTGTDTDTG INISVTIKSPMRVAHQQQ PGELG
GEVIVT01009173001 F -	FR-ITXFCS-FINV	NWF FPAEASLKRAL IGRLIF ELVDHC SQESSPAACSGEOOS FKFLGGSNVM-ETGVEF ITEX'SSVKACHGNLLSSHVDQG IETTLLISSLSSQCVMDSSLVLREFFESGA TAAG SFLDGQ YQSFDQ S
Solvc01g105830.1.1 .	SL-ISASSK-FLSE	
Solyc11g017040.1.1 .	YS-IKNYKNEFLSI	
LOC 0s05g11770.1	LK - IDSFAN-YLSD	DHFFPAEASLKRSLIRKLIHKLIKEPSODFPKLVCCSEOLDKINGSENAELEOMSENAEREOAKELPAOMCIDGEPDSVGTILEIODPSIST
Bradi3g60530.1	LK - IDVKS S-FLSD	Dhfvpaeasikrslirklihelytepsfnffklacgleolnerhorsenteoegareffalgcsvgepdtvcoipetoposisiclinds-ergiflegs illtgevanfavonnlvcppdsdsvvclpspgakhk
Sh03a040230 F	LE-IDVFSG-FLSD	DWP PPPA STARS VURKE TIELVING FOR THE
GRMSM2G177324 F .	Y.K - TDVF EG-FT.ED	DWF PRPEASINES VURNITHE TUTGS FOR PK TACGGFOLD FRM ORCENP GF PK TUCTUD DG TP
AT1660220.1 UT.PID -	KD-TGMCDK	
AT1G10570.1 0T52	OD-LKMIKK	KWFK PEEA SALR IN VILLY DLFRIG NOTD
POPTR 0010x04980 F	RD-LAMFGK	
GSVIVT01020235001 F -	KD-LAMTGK	OWFK PEEA SGLRVK IRVILINKELONA IG IVDND IVERLOFILVPNVAPAYKN IF PKF INVLK LAE TPF I OE TEGOSVNDF KHRVPVELF HPV INRNLE FVLIFN I SVLHVCSL
Solyc04 q026200.1.1	KD-L'DA'GR	RWFKPAEASCLRVK IRRILEEKFKNVSEND
Solve05 g005630.1.1	KD-LTM*GR	
LOC 0s06g29310.1	KD 55104FGE	
TOC 0912641380.1	DW-LSMFSR	SWPOPEDA SDUROR TREATLEFFES ARI DE ALSE ADTS DE SONEDATKS AES COA AAAA PONGS EM IVE GOTG IS WED IKGVAASKEASSSIC
TOC 0001453630 F	FW-TOWER	EMPTONE FIRST BUT TRATTED TRATTED PURDES SOFTSH SUBOS.
Bradilq42280.1		TWO OPKES SALNKK NOTILLOUF BEAK FINSINTLE MARPOS AVEAK P
Bradi4q02360.1	DW-TGMFSR	
Sh04@001916.1 F	DK-LDMFGR	SWEK PEEA SDIRGN TRETLILEFFE SAKT DDALSGADASD ENDS
Sb08g020821 F	DK-LDMFSR	SWENDERASSLROR IRDILLVEFETARLDOCC-RISVAESRERSUVREIGN-EDVIGSS
EB08#020823 F	DY TOWESP	SWEETERS TROUBLE UP PROTECTION OF THE STORY
Chocannony P	NY TOTOGO	CHECKERS OUT BOD TREET AT PERCENT ON A THY ADSOLUTE THEFE THE PROPERTY OF THE SERVICE THE
Sb03g034030.1		- SHI A RELIGIOUS AND A RELIGI
5b10q016910.1.	KD-VSMEGK	RWFPPEPSOLROO IRMLHACRETEVKKGVTG SCEESOPK I
GRMZM2G432931 F	DK -IGMENE	SWIFFPERASCIAGN INFILILOPIGSARFPERASERDYBANKE GISAA EWNELPAGRV-VGESDBCGY GAGDEKGTYKAD SGSABAEKEGGLYVTASSOKRSKGI AFFELEUTAGSS
GRICHEG072939 T01	DK -T GVENE	SWIFFEEASKLOOK INCLIDETGSARFDEAASEADVAAKKE GISAA ENNEESAGKV-VII SDICIY - ALEELEURGS SURSKII -
GRHZH2G351786 F		- RWTRPEEPSOLEDG IRKLIN SCRETELIKHAT - AS SEEGOPKI GNDG IDPSDASEPKIPKKLSE
GRMEM2G174667 F	DV TOWNE	SEPTIMENT OF THE PROPERTY OF T
GRIENING 142553 mod	FG-TGMFGF	PMENNEFA SAFRAG TRAIL INLERSAL DDDGBSFAFLEDYD YCMD
AT4G15880.1 ESD4		- Net Analisada And Intalisada
AT4G00690.1 ULPIB	OTEVN WOVENT	- RTAR LIKEGE
AT3G06910.1 ULPIA	THE PART ALL	- RTAK LICHKAL
OPTR 0010s01730.1		- ALAX LUQUAL
POPTR 0082:00230.1	TV-WOVERT	- RTAKE LIKIKAD
		- RIALE LINIAGE - RIALE LINIAGE - RIALE LINIAGE
		- RIAM ILMAAD
	CO WALLYT	- RTAN ELKIKAD
	THE PRESENCE	-RTAR LIKIAB-
	TO LONDON	
		- TIAK LIMIRAD
		- RIAKE INITIAD
		-RIME INARAD
		- RTWE LIKERAD
		-RTAXE LIKIRAD
RMZM2G088653_T01	KD-MHXLKK	
5b03g013930.1	КО-МНҰГКЯ	
RMZM2G012601_T01 -	x5-xxxxxx	
Bradi2g12720.1	KX-MSYFRX	
OC 0s01g25370.1		

Fig. S9 continued

A_AT3G48480.1		
A_POPTR_0015s10250.1 A_POPTR_0010s18760.1		
A GSVIVT01007539001		
A Solya00g007260.1.1		
A Solyc11q072220.1.1		
A LOC 0s11g10780.1		
A Bradieg22405.1		
A Bradiig22300 E		
A Sb05g009053.1		
A GRMZM2G545326 T01		
B2 AT4G33620.1	SCENION	DEDDEEAVSVEY
B2 AT1G09730.1		
B2 POPTR 0005817970.1	SSY	SADDSWNPGISL
82 POPTR 0002s10590.1		SADDSWNPG ISL
B2 POPTR 0017807140 F		
B2 POPTR 0007s03240.1	TGT	RSLGSSSNKKY
82 GSVIVTO 1009173001 F	FSEF	RADASWNPGISV
2 Solye01g105830.1.1		GCRSSSGCGYFN
2 Solyc11g017040.1.1		VAGTEWIPDVEV
2 LOC 0x05g11770.1	SPPADSYNHLDLESCOSCENETAKGS AGVVKD PNSNKE PLIDSLDNNOD IS IOAGAEPH	DSMDSKLCSISN
2 Bradi3g60530.1	SILADLDSOLDLRSCAEALEGDGCVVXDKDTYEESVLDSLKNNOXNSSOAEVNVL	SVMDSKELSLE-
B2 Sb03q040230 F	FL-ESMSOLMARS YAPEDDEMLIKSNCHVTDRES-EKSLFLSLD-SDÖKVHSÖAEAEVQ	IMVSTSCS ISE
82 GRHZM2G177324 F		
81 AT1G60220.1 ULPID		*******
31 AT1G10570.1 OT52		
1 POPTR 0010s04980 F	·	
1 GSVIVT01020235001 F	f	*******
1 Solyc04g026200.1.1		******
1 Bolycos g005630.1.1		
1 LOC 0s06g29310.1		
1 LOC 0s12g41380.1	KDEED TIKAD PVSSODEQEVAVLS PGANKNGE ENTHKQ PQ PD ICCDS SDSEMD DVK I IED PYQRTHKQNCR I	
1 LOC_0s01g53630_F	4.000.000.000.000.000.000.000.000.000.0	******
1 Bradilg#2280,1		
31_Brad14g02360.1	G5VSPKAKFYNE IFPSGGSENNG VFVKRAPSPD IXSDSD IE ITGVRNGRHDRPTIC I	
81_Sb04g001916.1_F	Aesde acrefgetsk tingtrva vsegas vsgytdksmed i sdsdva vldeap 165 ykk krk ttsgesvdagki ikg inaae peeaseg ykrekk atacvlseaasf 50 svkdeegtvx adsgsskaekegdl i vie spersegnde i i grsr i povocdscd5d to a t	
51 Sb08g020821 F		
	pipdavc	
1 5b08g020823 F	PVLDA VC	
1_5b08g020823_F 31_5b08g020827_F	FYLDAVC LITTY VNITAV VR.—ALTHELD NICHESGAGS FRANKFINGOF SQ. PUSSINGC NEDNTOY VUSKAT SCSDS. **TOTAL OF THE PROPERTY OF THE PRO	
31 5b05g020823 F 31 5b08g020827 F 31 5b03g034030.1	PVIDAVC	
51 5b08g020823 F 51 5b08g020827 F 51 5b03g034030.1 51 5b10g016910.1.	PULDAVC LITER VNICTAV VR - AL ILPILA VNICTAV	
1_5b05g020823_F 1_5b08g020827_F 1_5b03g034030.1 1_5b10g016910.1. 1_GRMEM2G432931_F	FYLDAVC - LILTK VHITAV IRRLILPLD HIGHSGGGSRADARAF HGGFSQ- FHSSIKC - NENNTGYVVSKATSCSDS - EGIZDIM RARLQNGGIDFAGGLESGRANGRARHRIISEANC LIGHTV HIGH RENNTGYNG LIGHTV HIGH RENNTGYNG SGGSRADARAF FEOFSR	
31_5b08g020823_F 31_5b08g020827_F 31_5b03g034030.1 31_5b10g016910.1 31_5RMEM2G432931_F 31_GRMEM2G072939_T01	FYLDAVC LITTY VNITAV IR - AL ILPIL MACHSGAGGS RANAF MAGO F SQ. FYSSINGC NENNTGY VUSKAT SCSDS EGLED IN FARRQ MOGI D PAGGLEGGRA MGARMURI SEANC FYDAVC E INTERV WILKRY IR - A TOW PPO MACHS SAGGS RA ARRAF I EGY FR. FYPAVC E LITTY WILKRY IR - A TOW PPO MACHS SAGGS RA ARRAF I EGY FR. FYPAVC E LITTY WILKRY IR - A TOW PPO MACHS SAGGS RA ARRAF I EGY FR.	
1 5b05g020823 F 1 5b05g020827 F 1 5b05g034030.1 1 5b10g016910.1. 1 GRMEMZG432931 F 1 GRMEMZG472939 T01 1 GRMEMZG351786 F	FYLDAVC - LILTK VHITAV IRRLILPLD HIGHSGGGSRADARAF HGGFSQ- FHSSIKC - NENNTGYVVSKATSCSDS - EGIZDIM RARLQNGGIDFAGGLESGRANGRARHRIISEANC LIGHTV HIGH RENNTGYNG LIGHTV HIGH RENNTGYNG SGGSRADARAF FEOFSR	
11 5b08g020823 F 11 5b08g020827 F 11 5b08g034030.1 15 5b10g016910.1 11 5RMEMEG432931 F 11 GRMEMEG432931 F 11 GRMEMEG31786 F 11 GRMEMEG3174667 F	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
0.1 5b08g020823 F 11 5b08g020827 F 12 5b08g034030.1 0.1 5b10g016910.1. 13 GNUMNG432931 F 14 GNUMNG45272939 T01 14 GNUMNG351786 F 15 GNUMNG374667 F 16 GNUMNG4742553 mod	FYLDAVC LITTY VNITAV IR - AL ILPIL MACHSGAGGS RANAF MAGO F SQ. FYSSINGC NENNTGY VUSKAT SCSDS EGLED IN FARRQ MOGI D PAGGLEGGRA MGARMURI SEANC FYDAVC E INTERV WILKRY IR - A TOW PPO MACHS SAGGS RA ARRAF I EGY FR. FYPAVC E LITTY WILKRY IR - A TOW PPO MACHS SAGGS RA ARRAF I EGY FR. FYPAVC E LITTY WILKRY IR - A TOW PPO MACHS SAGGS RA ARRAF I EGY FR.	
11 5b05g020023 F 11 5b05g020827 F 12 5b05g020827 F 13 5b05g016910.1. 13 5b10g016910.1. 14 5RMEMG0122931 F 14 GRMEMG012993 F0 14 GRMEMG012993 F0 15 GRMEMG012955 F 16 GRMEMG014265 F 16 GRMEMG014265 mod 15 AT4615820.1 ED04	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1. 5b08g020823 F 1. 5b08g020827 F 1. 5b03g034030.1 1. 5b10g014610.1. 1. 6D108M2G432931 F 1. GRNEMEG612959 TO1 1. GRNEMEG818186 F 1. GRNEMEG8142667 F 1. GRNEMEG8142663 mod 1. AT4G15880.1 [ESD4 2. AT4G15890.1 [ULP1B	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
11 5b00g02022; F 13 5b00g02027; F 13 5b00g034030.1 13 5b10g016910.1. 13 6RMMC06432931; F 14 6RMMC06432931; F 15 6RMMC06172939; T01 15 6RMMC06174667; F 16 6RMMC06174667; F 17 6RMMC0617467; F 17 6RMMC061747; F 17 6RMMC061	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
11 Sb08g020623 F 13 Sb08g020827 F 13 Sb08g020827 F 13 Sb09g014090.1 13 Sb10g014090.1 14 GPMEMEG432931 F 14 GPMEMEG432931 F 15 GPMEMEG43293 F 16 GPMEMEG435186 F 16 GPMEMEG435186 F 16 GPMEMEG435186 F 17 GPMEMEG418205 J 18 GPMEMEG14205 J 18 GPMEMEG10501330.1 18 GPMEMEG10501330.1	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
11 5b08g020623 F 13 5b08g020627 F 13 5b03g034030.1 13 5b10g014030.1 13 6B08g03403293 F 14 GREMEMO212939 T01 14 GREMEMO212939 T01 15 GREMEMO2174667 F 15 GREMEMO2174667 F 15 GREMEMO2114657 B 16 GREMEMO2114657 B 16 GREMEMO2114657 B 17 674616850 D 18 574616850 D 18 574616850 D 18 574616850 D 18 575606590.1 ULUPIB 18 574616850 D 18 57067 601285002350.1 18 50PTR 001285002350.1	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
11 5b05g020623 F 13 6b05g020627 F 13 5b05g034030.1 13 5b10g014030.1 13 5b10g014030.1 13 6000000000000000000000000000000000000	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1. 5b08g020827 F 1. 5b08g020827 F 1. 5b08g020827 F 1. 5b02g034030.1 1. 5b10g016910.1 1. 6RNEM26012939 F 1. GRNEM26012939 F 1. GRNEM26017939 T 1. GRNEM26171467 F 1. GRNEM26114855 mod AT4615880.1 ESD4 AT4606590.1 ULP18 AT4606590.1 ULP18 DOFFR 0010501730.1 POPTR 0025200230.1 POPTR 0025200230.1 GSVYVT01.017729001	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1 5b08g020827 F 1 5b08g020827 F 1 5b08g020827 F 1 5b08g034030.1 1 5b10g016910.1, 1 GMMEMC012899 T01 1 GMMEMC012899 T01 1 GMMEMC017899 T00 1 GMMEMC01789 T00 1 GMMEMC01789 T00 1 GMMEMC0189 T00 1 GMMEMC018	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1 5bosgo20027 F 1 5bosgo20027 F 1 5bosgo304030.1 1 5blogo10501.1 1 5blogo10501.1 1 6blogo10501.1 1 6blogo1050239 F 1 6blogo105039 F 1 6blogo10	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1 5b08g020827 F 1 5b08g020827 F 1 5b08g020827 F 1 5b08g034030.1 1 5b10g015010.1, 1 GMMEMC012839 TO 1 GMMEMC012839 TO 1 GMMEMC012839 TO 1 GMMEMC012839 TO 1 GMMEMC011830 Mod 1 GMMEMC0118	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1 5b08g020827 F 1 5b08g020827 F 1 5b08g020827 F 1 5b08g034030.1 1 5b10g015010.1 1 5b10g015010.1 1 GRUMMEG012939 T01 1 GRUMMEG012939 T01 1 GRUMMEG174657 F 1 GRUMMEG18174657 F 1 GRUMMEG1817467 F 1 GRUMEG1817467 F 1 GRUMMEG1817467 F 1 GRUMEG1817467 F 1 GRUMEG1817467 F 1 GRUMEG1817467 F 1 GRUMEG1817467 F 1 GRUMEG181746	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1 5b08g020827 F 1 5b08g020827 F 1 5b08g020827 F 1 5b08g034030.1 1 5b10g015010.1, 1 GNUEWEG012839 TO 1 GNUEWEG012839 TO 1 GNUEWEG012839 TO 1 GNUEWEG0174607 F 1 GNUEWEG011850 mod 1 ATMOREGO11850 mod 1 ATMOREGO11850 J 1 GNUEWEG011850 J 1 GNUEWEG0118	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1 5b08g020827 F 1 5b08g020827 F 1 5b08g020827 F 1 5b08g034030.1 1 5b10g015010.1 1 5b10g015010.1 1 GRUMMEG012939 T01 1 GRUMMEG012939 T01 1 GRUMMEG12939 T01 1 GRUMMEG139174657 F 1 GRUMMEG13917467 F 1 GRUMMEG139174657 F 1 GRUMMEG139174657 F 1 GRUMMEG139174657 F 1 GRUMMEG139174657 F 1 GRUMMEG13917467 F 1 G 1 GRUMMEG13917467 F 1 G 1 GRUMMEG13917467 F 1 G 1	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
10 5b08g020827 F 10 5b08g020827 F 11 5b08g024030.1 11 5b10g014030.1 11 5b10g014030.1 11 6WREMEG012939 TO 11 6WREMEG012939 TO 11 6WREMEG0174667 F 11 6WREMEG0114667 F 11 6WREMEG011 UMP10 1 AT4015880.1 UMP10 1 AT500681.1 UMP10 1 AT500681.1 UMP10 1 AT500681.1 UMP10 1 AT500681.1 UMP10 1 GENTYTO101729001 1 GENT	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1. 5b08g020827 F 1. 5b10g016010.1. 1. 5b10g016010.1. 1. 5b10g016010.1. 1. 5b10g016012839 T01 1. 5b10g016012839 T01 1. 5b10g016012853 mod 1. 5b10g016012853 mod 1. 5b10g01601280.1 MuPils 1. 5b10g01601601 MuPils 1. 5b10g01601 MuPils 1. 5	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1 5b05q020827 F 1 5b10q01800.1 1 5b10q01800.1 1 5b10q0180293 F 1 6WEMERG12839 F 1 6WEMERG12839 F 1 6WEMERG174667 F 1 6WEMERG17467 F 1 6WEME	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
11 Sb08g020827 F 11 Sb08g020820 F 11 Sb08g020820 F 11 Sb08g020820 F 11 SB08g020820 F 12 SB08g020820 F 11 SB0	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1. 5b05g020627 F 18. 5b05g020627 F 18. 5b05g024030.1 18. 5b10g014030.1 18. 5b10g014030.1 18. 5b10g014030.1 18. 5b10g014030.1 19. 5p10g014030.1 19. 5p10g0140	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1. Shodgo20023 F 18. Shodgo20027 F 18. Shodgo20027 F 18. Shodgo24030.1 18. Shodgo34030.1 18. Shodgo340.1 18. Shodgo330.1 18. Shodgo330.1 18. Shodgo330.1	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
1. 5b05q020623 F 18. 5b05q020627 F 18. 5b05q024030.1 18. 5b10q014030.1 18. 5b10q014030.1 18. 5b10q014030.1 18. 5b10q014030.1 18. 5b10q014030.1 19. 5b10q014067 F 18. 5b10q014067 F 19. 5b10q0140	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	
81 sboggc2022; F 81 sboggc2022; F 81 sbo2g024030.1 81 sbo2g024030.1 81 sbb2g024030.1 81 sbb2g024030.1 81 sbb2g0240320.1 81 skmmmcd0272939_T01 81 skmmmcd0381786.F 81 skmmmcd0174667_F 81 skmmmcd017467_F 81 skmmmcd0174	FYLDAVC LITETY WHITAY VR - RL ILPLD WHICH SGGGGS RANAF MEQT SQ PROSENTED. PRESENCE NEWNOOT VECKAT SGEDS RANAF MED SGG SER ANAF MED SGG SER AN	

Fig. S9 continued

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A AT3G48480.1
 POPTR 0015×10250.1
POPTR 0010×18760.1
 GEVIVT01007539001
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A Bradi4g22405.1
  Bradi4g22300 E
A Sb05g009053.1
  GRMEM2G545326 TO1
                       VO-NEDETLIGET TENEROUSE I - GIIEUN PIENTHEE DES PRETYELK EN TOSINIA-
QA - DOMOS SET TENCAS DES - ON GIIEUN PARKEN DES INCHES DES PRETYELK EN TOSINIA-
QA - DOMOS SET TENCAS DES - ON GIIEUN PARKEN DES INCHES DES PRETYELKEN TOSINIA SERVICIA SERVICIA
82 AT1G09730.1
B2 POPTR 0005:17970.1
B2 POPTR 0002:10590.1
                      ROLLE FUNDES EAS ISGELS EX GROVE OF THE CONTROL OF 
B2 GEVIUTO 100917 3001 F
                                                                                                                                                                                                                                824
B2 Solyc11g017040.1.1
B2 LOC 0s05g11770.1
                                                                                                                                                                                                                                828
791
B2 Bradi3g60530.1
B2 Sb03g040230 F
B2 GRHZM2G177324 F
B1 AT1G60220.1 ULP1D
                      ILAÇK ITSKEÇ SPIKKS IEVGDE----CTR BODH-D 1996TD SSKODNIG PN--PERMTAEGOCG--DPHEGLD SYTLAV IGKNYVHAL I EDVKS IN PHANGIVNIGEL YVSLOL FEGNAD SGHTSVSTAS POSKENI I EKVVAG SSAHE I DD DIANGSSEL-K IGNTD SG I TGV STASSDLKVENVD KVVAAD CAMEND IN
                                                                                                                                                                                                                                901
394
584
   AT1G10570.1 0T52
B1 POPTR 0010x04980 F
B1 Solye04g026200.1.1
                      B1 LOC 0x12g41380.1
                      81 LOC 0x01g53630 F
                       B1 Bradilg42280.1
  Bradiag02360.1
5b04g001916.1 F
                       81 Sh08g020821 F
                       <u>.</u>
B1 Sb08g020823 F
B1 Sb08g020827 F
B1 Sb03g034030.1
                       B1 Sb10g016910.1.
   GRHZM2G432931_F
                       •
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B1 GRMZM2G351786 F
B1 GRIGM2G142553 mod
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C AT4G00690.1 ULPIB
                       A#3006010 1 IE-PIA
  POPTE 0082:00230 1
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C_Solyc12g099530.1.1
C Solyc01g066830.1.1
                      Bradilg18100.1
                       C 3b02g042620.1
  GRMZM2G010505_T01
LOC 0s03g22400.1
                       Sb01g035640.1
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  GRMZM2G012601 T01
C Bradi2g12720.1
C LOC 0801q25370.1
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Fig. S9 continued

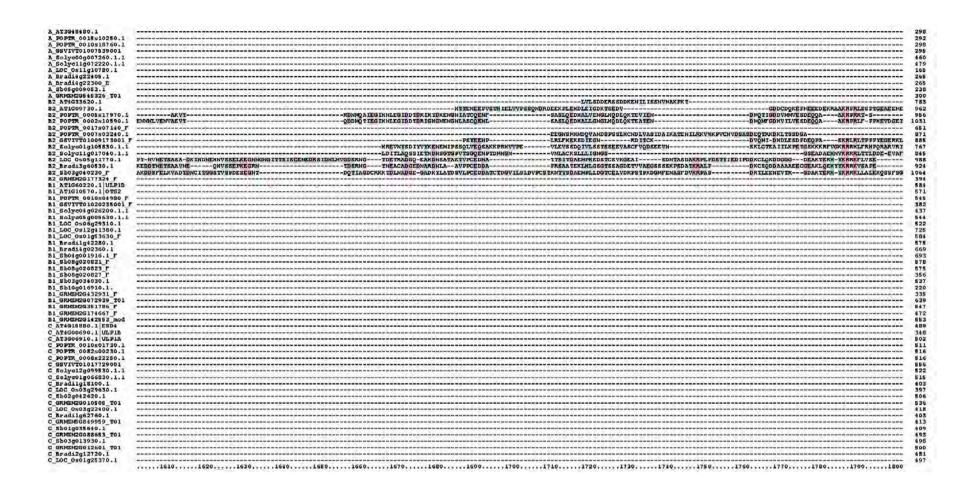


Fig. S9 continued

A_AT3G48480.1		298
A_POPTR_0015x10250.1 A_POPTR_0010x18750.1		292
A_GSVIVT01007639001		295
A_Solya00g007260.1.1	-	460
A Solyclig072220.1.1	**********	479
A_LOC_0s11g10780.1		165
A Bradiig22405.1 A Bradiig22300 E		265
A_6b06g009063.1		238
A GRMCM2G545325 TO1		300
B2 AT4G33620.1	-	783
B2_AT1G09730.1	K	963
B2_POFTR_0005s17970.1 B2_POFTR_0002s10590.1	TRELENDLICL	1041
B2 POPTR 0017s07140 F	TRADURDERE	651
B2 POFTR 0007503240.1		B71
82 SSYLVT01009173001 F	NASISKOLHI.	895
B2_Solya01g105830.1.1	DLS	770
B2_Solyclig017040.1.1 B2_Loc 0s05q11770.1	RESVINDLAL	991
B2 Bradi3g60530.1	E	925
BZ 8503q040Z30 F	ETSTD	1069
82 GRHCH26177324 F		391
B1 ATIG60220.1 ULPID	-	584
B1 ATIG10570.1 0T62 B1 POPTR 0010804980 F	1737 1077	571
B1 SEVIUTO 1020235001 F		352
B1_Solyc04 g026200.1.1	*****	937
B1 Bolycob g005630.1.1		544
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B1_LOC_0s12g41380.1 B1_LOC_0s01g63630_F		725 504
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C POPTR 0082500230.1	*********	516
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C Solya12g099930.1.1		922
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C_Bradilg18100.1 C_LOC_0x03g29630.1		397
C_Sh02g042620.1	-	506
C GRMENERGO LOGOS TOL		536
C LOC 0s03g22400.1 C_Bradilg62760.1		518
C_Bradilg62760.1 C_GRMMM5G849959_T01		302
C_5b01q035640.1		109
C_GRMEM2G088653_T01	-	493
C_6b03g013930.1		198
C GRMSM2G012601 T01		500
C Bradi2g12720.1 C LOC 0s01g25370.1		321 197
C_DOC_0301GEB3/011	1810	337
	44,44,44	

Fig. S9 continued