	• 80 -	A		٠	В	
yma01g00880 : yma01g05680 : yma01g06150 :		G <mark>v</mark> kf <mark>d</mark> ftdgbli Gfrf h ftdebly Gfrf h ftdebl	EHLEAKVEAKNMKSE GFW KRKIQQRPLT- VYW CNQASSRPC	PLIDEFIPT E	QUELYKFD	PEKIPO
yma01g22510 : yma01g37310 : yma02g07700 :		G <mark>v</mark> kf <mark>d</mark> psdgbii Gfrf h pidebly Gfrf h pidebli	WHI AKVGVGDSKPE GYV RK VASQKI LHO RK VASIPI	PFIDEFITTE	VD GICYTH E YRIE E YKFD	PQN PO
yma02g07760 : yma02g11140 : yma02g11900 :		GFRF <mark>H</mark> PTDEEII	TCY TE VLNRTF WHL ARVGVGDSKSE GEV KR IOGRPLT-	SATA	EA FNKCE VD GICYTH	PQN PC
yma02g12220 : yma02g26480 : yma02g38710 :	- MENRTSSV DF	GFRF H PTDEBLI GFRF H PTDEBLV GFRFRPTDEBLI	VY CNOATSRPC VH CR CASQEI DY RS INGNGD	PASI	EVELYKYD: EVELYKYD:	EIPI
yma02g40750 : yma03g35570 : yma04g08320 :	MAPY PE	GFRE <mark>H</mark> PIDEDLV GYRE <mark>Y</mark> PI <mark>E</mark> EDLI	AYYUKRKINGRKI LFYUHNKLEGERE	ELEIFF	EVDIYKCE: VVDIYDYN:	SQUP(
yma04g13660 : yma04g33270 : yma04g38560 :		GFRF <mark>H</mark> PTDEBLV GFRF H PTDEBLI GFRF H PTDEBLV	DYXIRKKITSRRI SHXIYKKVTHTNF NHXICKKCAGQPI	BLDVIE	DVDLYKIE: EVDLNRSE: EVDLYKFD:	Di QI Di PV Qi PI
yma04g38990 : yma04g39140 : yma04g40450 :		GF <mark>e</mark> fspideelv Gfrfopid <mark>v</mark> eli Gfrf <mark>r</mark> pideelv	LH YC ASLIPC EY KR VRGKKF NY RO INGNGR	HPNI F PSEI A	DIHPSQLA ELLIYRFA ELLIYRFA	E NO D PI
yma04g42800 : yma05g00930 : yma05g04250 :		GFRF <mark>H</mark> PTDQBLV GFRF <mark>H</mark> PTDEBLI GFRF H PTDEBLV	LHVICR CASQPI SHVIYK VIDTKF GYVIRK VASKRI	AVPI A	ETDUYKYD EVDUNKSE: DVDUYKIE:	Di Po Di Ps Di Qi
yma05g09110 : yma05g23840 : yma05g24910 :		G <mark>V</mark> KF <mark>D</mark> PSD <mark>V</mark> BLI GFRFHPIDEBLV GFRFYPIDEBLV	EHLAAKCCIGDREPH GYVEKRKVEGLEI VHSEQRKANLLPC	ELEVER	GELGICYTH VII FYKFD DIE YPYD	PQN PC
yma05g32470 : yma05g32590 : yma05g32850 :	MARAS MEDIA MACOS MEDIA MACOS MEDIA MACOS MEDIA MACOS MEDIA MACOS MEDIA MEDIA MENURUKAN MENURUKA	GVREHPIGVELV GEGESPIDEELV GEREHPID <mark>D</mark> ELV	VYSIKRKVMAKKI LHSICSKASLP-C NHVICKKCAAQTI	CDGF A	EIDISLLDE	G PI E NO
yma05g35090 : yma05g36030 : yma05g38380 :	MEEKI PE		TYVILRKVSDISF EHLEAKIEAKNMKSE FQVIKCKVFSYPL	TSKALA PLIDEFIPT E PASI F	VV FNKSE GE GICYTH EINVCKYD	PEKIPO
yma06g08440 : yma06g11970 : yma06g14290 :		GFRF H PTDEELV GFRF H PTDEELV GFRF <mark>R</mark> PTDEELV	TCYTVNKISDSNF LHYTCRKCASQPI NYYTRQKINGNGR	TGRANT AVPINA QVWVNF	EHDVCKWE:	ET PC
yma06g15840 : yma06g15990 : yma06g16440 :		GYRF <mark>O</mark> PTO <mark>V</mark> BLI GF <mark>I</mark> FSPTDEBLV GFRF <mark>H</mark> PTDEBLV	EYELKRKVRGKKF VHELYCKASLIPY NHYLCKKCAGQPI	PSEIDA HPNIDE AVPIDE	EVEN YKFD	P DIPI P EINC QIPI
ma06g17480 : ma06g21020 : ma06g35660 :	MERLAFIRNOVSKI DE		FQYTKCKIFSCQL SHYTYRKVTDTNF TYYTLKKVLDSSF	PASI F SARA G TGRA V	EVDINESEP EVDINECEP	Di PO Di PV Ei PI
/ma06g38410 : /ma06g38440 : /ma06g47680 : /ma07g05360 :		GFRF <mark>H</mark> PTDEELV GFRF H PTDEELV	VO CR VAGHHF VH KK VDSVPL DY RK VTSRGI	SLPI A	DVDIYKFD: DVDIYKIE:	P P7
ma07g05370 : ma07g05660 :	MODDIV MDDIV	CLGFRETEEDLV	DFYTKHMLLGNDP DFYTKHMLLGNDP QYYTRKKVSYEKI	RAHVIF	VIDICEVE: DVDINKLE:	D Q1
yma07g10240 : yma07g15180 : yma07g32250 : yma07g35630 :		EVKEDPIDGELT	TOW TRAVSDSSF EHLEAKVEAKNMKSF EHLEAKVLSDVPKLE VYV CNOATSKPC	PLIDEFIPT E	GE GICYTH GE GICYTH EVOLYKFO	
/ma07g33630 : /ma07g40140 : /ma08g01280 : /ma08g03590 :	MSLSHSQSQEDATTNDNKPVVVDDDHERIDM M MEKLHFVKNGVSK ID MUZICAV GUIDGOD IDANI BEHGI G	GFREOPTDEELV	EFY RE VEGERFN- FQ KC VFSYPL- EHLEAKVEAKNMESE	PASI	FLDIYRYDP EINVCKYDP	E P
ma08g04610 : ma08g08010 : ma08g16630 :	MEER DE	GFKF#PTDEBLI GFRF¥PTDEBLV	TYV LR VSDVGF VH QR ANLLPC	TSKA A	VV NKSE DIE YPYD	D PC
ma08g17140 : ma08g18050 : ma08g18470 :		GEREHEIDEBLI	YYYURKKVSYEAI SFYURKKLHKKPIS- CDYUMKKVQHN	DLDV:F	EVELNKLE:	D NI
ma08g19300 : ma08g41260 : ma08g41990 :	MERNON GEKLOF MENN PE	GFRF¥PTDEELV GFRF#PTDEELV GFRF#PTDEELV	VHSUHRKASLLPC GFYLKRKIQQRPLS- GFYLQRKVDKKPLK-	HPDA F	DIEVYPYDE	Ei Di
ma08g47520 : ma09g29760 : ma09g31650 :		GFRFHPTDEELV GFRFHPTDEELV GFRFHPTDEELI	LOVIKKKVFSCPL NYVIKKKINGQEI TCVITKVSDSSF	PASI F	EVEL YKCE	Di Po
ma09g36600 : ma09g36820 : ma09g37050 :		GFRFH PTDEELV GFRFH PTDEELL GFRFH E <mark>R</mark> DEELL	DYVIRK IASRRI HYVIKK VSFQKF NHVITK VVDNCF	BLDV F	DVDHYKIE: EVDHNKME: EVDHNKCE:	D QI
ma10g04350 : ma10g34130 : ma10g36050 :	- MGLRDIGAS PF MGRETMCLPTPP-TTATTTVNPVPPPAPAPPTS AF MSLGTPSSSIONESCUP MSLGTPSSSIONESCUP	GFRF <mark>Y</mark> PSDEBLV GFRF H PIDEBLV GFRF H PI ED BLV	LHYLYKKITNEEV IYYLKKKVSGKSF GYYLKKKINSLKI	LKGT M		QUPI DUAI
yma10g36360 : yma11g03340 : yma11g07990 :	MGEASGAGSADCF SQNMSSM	GFRFH PTDEELV	MYYUKR ICGKRL DYYURK VASKRI GYYURK VASQKI	KLDV F	ETOVYKWDS	ED PC
mal1g10230 : mal1g18770 : mal1g33210 :		GFRF H PT <mark>E</mark> EELL GFRF F PT E EELV GFRF H PTDEELV	DFYLKNMVVGKKLR- GFYLHNKLEGQRN SYYLKKKINGRKI	YDV G AIAIDRV ELEI	VII FNGVE	Di Po
ma12g00760 : ma12g02540 : ma12g09670 :	MNTFT@PE MNTER MATMEDMNNMSGETUP	GEREFELEDLY	DYVIRKKITSGRI DFYIKNMVVGKKLR- GFYIHNKLEGQRNAI		DVBLYKIE FLNEYQHD VIBINGVE	Di Qi Di Po Ni Pi
ma12g13710 : ma12g22790 : ma12g22880 :	- MTQCSDSENNHHNIIVEG - RKDSLIRTCPTCGHHIKCQDQGGG HDLPG FA - MESTEDSSTSSQQ-FA FF - MVPUERDDLAQLS PE	GFRF#PTDEBLV GFRFYPTDEBLI	EHLEAKVRSDIHKLE VHYTKKKVDSVPL VQYTCKKVAGHHF	PVSI	DVDI YKFD: EVDI YKFD:	Ei P7
ma12g26190 : ma12g29360 : ma12g31150 :		GFRE <mark>H</mark> PSDEELI GFRE <mark>Y</mark> PT <mark>E</mark> EELV	TYYLLKKVLDSSF VHYLENKVSSRPL FFYLHNQLEGQIH	TGRANV PACINA DTSRVNF	ETDIYKYN P VIDINGVER	E PE E PE N PS
/ma12g31210 : /ma12g33460 : /ma12g34990 :			SYMERK MDGHQE EHLEAKVRSDIHKLE VHVEKK TASAPL	SVQVIS PLIDEFIPTIE PVAII	EVE CRYE GENGICCTH EVELYRFO	EP P7
ma12g35000 : ma12g35530 : ma13g05350 : ma13g05540 :	MAYVEKDULSQLS MAYVEK	GFRF <mark>H</mark> PTDEELV	VOTICKKVAGHHF TYYLLKKVLDSTF DFYLKRKIQQKSLP-	TGRA	QVDIYKYD:	VI PS EI PI DI PI
			_		EAM NECES MR GENGICYTH	TCSTH
ma13g31660 : ma13g34950 :		GFRF#PTDEBLY GFRF#PTDEBLI	VO KK ADSVPL	PVSI A	EVDIYKFD	EI PS
ma13g35560 : ma13g39090 : ma13g39160 ·	- MSSSSGQIYSGHI OF MONSYMBLUPEAR PROMINS OF MO	GEREN PIDEBLY	VHYDKK AASAPL SYVERK LEGHEE VEW HNOLEGOTH	PVAIIA	EVE CKYE	E P
ma13g40250 : ma14g03440 : ma14g09240 ·	MEGDQQGSIYYSFE MDVAKLHNSDDDDRKREEWI	GEREHPSDEDLI GEREHPSDEDLV	VHYTONKISSRPL GFYTRK-VEKKPLR- GYYTTK-NENRERG-	PASI A	ELDLYRYD ELDLYRYD	El Pl
ma14g20340 : ma14g24220 : ma14g36840 :		GFREHPTDEBLI GFREHPTDEBLV GFRERPTDEBLI	SYNTH ISDSNF IHY CR CASQHI DY RS INGNSD	TGKA A	DVDINKCE P EIDIYKYD EIDVCKWF	El Pi
ma14g39080 : ma15g05690 : ma15g07620 :	——MAPV PF ——MGDNNVN 1P ——MSSSSGSJLSGNPG 1P	GFRF <mark>H</mark> PTDEBLV GFRF <mark>Y</mark> PTDEBLV GFRF Y PTDEBLV	AYY KRKINGRKI VHT HRKASLLPC VHYTKRKADSVPL	ELEIIF HPDV:F	EVELYNCE DIE YPYD EVELYNFD	D PC
ma15g08480 : ma15g40510 : ma15g40950 :		S <mark>v</mark> kf <mark>d</mark> fndgeil Gere h frdebly Gere <mark>h</mark> fidebly	EHLEAKVASDACKLE CDV MK VAHN SFV QR LDKKPIS-	PLIDEFIPT E DSLLVI	GENGICYTH NVBENKCE QUBEYKYD	PEKUPO KDUPI KDUPI
ma15g41830 : ma15g42050 : ma16g01900 :	AAPMS PE	GFRF H PTDEBLV GFRF H PTDEBLI GF <u>R</u> FR	AYYLERKITGRSI YYYLRKKVSYEVI DYYLKHKLLADDF	ELDI A	EVEL YKCE EVEL NKLE ETEL CKVE	D PI D KI D PO
ma16g01930 : ma16g01940 : ma16g02200 :		GY <mark>G</mark> FRPIDEBLV GLGFRPIBQBLV GFRF H PI <mark>B</mark> EBLL	KFYLKHKLLDDDP NFYLKHKLLGDDP QYYLRKKVSYEKI	CVHF I	DVDICEVEP DVDINKLEP	D PC
ma16g04720 : ma16g04740 : ma16g05620 :		GFRFHPTDEBLI GFRFHPTDEBLI GYRF <mark>D</mark> PSDB <mark>I</mark> L <mark>A</mark>	TYVITE VKNSIF LHVISK VASIPL GYVIRK IMAQPSPN	SAIA TVSI DLIQDCD	EAD NECE EVEN YELD VYQTV	Di Pi Di Pi P Ei Pi
ma16g24200 : ma16g26740 : ma16g26810 :		GFRF H PIDEBLV GFRF H PIDEBLI GFRF H PIDEBLI	GYVERKKVASQKI LHVERKKVASIPL TCVETEKVLNRAF	BLDV F PVAI A	E YRIE: EV YKFO: EA FNKCE	DIQI ELPZ DIPI
ma16g34310 : ma17g00650 : ma17g10970 :	——————————————————————————————————————	GERE H PIDEBLV GERE H PI <mark>E</mark> EBLV GERE <mark>H</mark> PIDEBLI	NYYUKRKINGQEI EFYLRRKVEGKRFN- SHYLYKKVIDTKF	ELDI F	EVOTYKCE FIGULYRYD EVOTNKSE	E AI E PI D PV
ma17g14700 : ma17g16500 : ma17g23740 :	- MYNUMUSSEERVIESTEPTITIENTO — GIRLTELRITCESCGHNIEFROGG-GHILLEG - MANIMETER BY - MANUMETER BY - METHOD BY -	GERE H PTDEBLV GERE <mark>H</mark> PTDEBLV GERE <mark>C</mark> PTDEBLL	GYYTEK VASKRI GYYTEK VEGIEI LHYTEK AFAQQLPA	SVISEFD	DVD YKIE VID YKFD VFQTE	DiQI EiPi P KiPo
ma17g35930 : ma18g05020 : ma18g13570 :	MEDHAHAA DE MAPUS DE MANYUS DE MANYUS DE MANYUS DE MANYUS DE MANYUS DE MANYUS DE TRADE	CYRFYPS <mark>EEV</mark> LV CFRF#PTDEDLV CFRF#PTDEDLV	GYNTERNENREEG- SYYLKRKINGRKI GFYLORKVOKKPLK-	FYGSDL F ELEI F	OAN AKAD EAN AKCE FINE ADHD	EUPI DUPC DUPI
ma18g15020 : ma18g49620 : ma19g02580 :	MERANID-GEKLDEY LI MGSERAPRENDRED = MGSTERAPRENDRED = MERNEM — PER IDU M	GFRFHPTDEBLV GFRFHPTDEBLI GFRF <mark>H</mark> PTDEBLV	GFÆKRRIQQRPLS- NQVETKKVVDNCF DFÆKRKIQQKSLP-	IEL F	QVBHYKYD EVBHYKYD QUBHYKYD	DISI DIPO DIPI
ma19g02850 : ma19g08510 : ma19g26950 :	MEEGARD DE	gere h pidebli gyre <mark>d</mark> psdeila	THYLSQKVLDSCF GYYLRKRIMAQPLPN	MFINEFIPTE DLIQDCD	EADINKCES GDQGICYTH VYQTV	PKEIPO
ma19g28520 : ma19g36420 : ma19g44890 :	MEEPLVVNKGE - EPLL DF	CEREMPTOEDLI CSRTDWIMHEYR CEREMPTEDDI	TYM TERVRNSSF LHDSTISNSKQGGTM QYVIRKIVSNEKI	SAIA G RLDEWV C	EADINECE RVRQKTIS DVD NRLE	DIPI RSL EDSI DIQI
ma19g44910 : ma20g04400 : ma20g31210 :	MPEMEMSICVINGESQUP MEMEMSICVINGESQUP MGEASGASGADCFSQMMSSM	GERE H PIDEDLI GERE <mark>H</mark> PIDEDLY	QYMERKMSNEKI VYYMCNQATSKPC MYYMKRKICGKRL	DLDV F	DV TNRLE EV YKFO ET YKWO	KDUQI KELPI EDUPO
ma20g32690 : ma20g33390 : ma20g33430 :	MLKTLLMLSHLIASFSDLFFMAGFSMLVDKSRIATKIKSASGTCG-KVIWK	E <mark>v</mark> ke <mark>d</mark> esdøbii Gere h etdebly Gere <mark>h</mark> etdebly	WHLEAKVGAGNSKPE VFYEKRKMTGNLS IYYEKRKVSGKSF	PFIDEFITTE RYDH A	VD GICYTH VVD YKLE EVD YRSE	PQH PC D PI D AI
C019 :	MGIQETDPLTQLS PF	GEREYPTDEELM GEREYPTDEELM	VQ CREAAGYDF VEY CREAAGHDF	SLQL	EIDIYKFD	Vi Pi

The column			C	<u>D</u>	<u> </u>	
	Slyma01g00880	160 :VTRDGLSRH : LATTGEKENNA	HRPSKAMTTETRKERKIONECDLOGGETROHKIC ICERDRKYRNSARENRVEGAGENKAIC	PDRPIYSSEGSKCHEHKKSHVHYKERAA	KS-VKEDNMMHDEREPSLTDSLS	
The column	lyma01g22510 :	RCRIGYDEQNEWYF	HRAINA NT TEKREKILGQDFGDVR HKI C SHKDKKIPT TETNEATMAGE KAI C	RTKPVVFNGIQKECKKIMVLMVSN-VRG RDKAVYERAKLEGMRKTEVEYKGEAF	GRAEKINWYMHOYHIGT-EEDEK	:
Section Sect	1yma02g07700 1yma02g07760 1yma02g11140	: KAD <u>WY</u> F	FCQRDRKYPTemeTNEATQSeyWKATE	KDKEIFKGKNNLVGMKKTLVFYRGFAF	Ke-eksnownhoer Dokfacynlpkas-	:::
Column	lyma02g11900 lyma02g12220	: LATTGEKEWYFY	CPRDRKYRNSARPNRVTGACFWKATO SPRERKYPN VRPNRATVSCYWKATO	PD:PIYSSEGSKCTCHKKSLVFYKCRAA PD:AIYSGSKHVCVKKALVFYKCKPP	KC-VKTOWMMEDERT PSLTDSLS KC-LKTOWIMEDYRT IGSRRQANRQV	:::
Column C	Slyma02g26480 Slyma02g38710 Slyma02g40750	: LSVVRNKDPEWEE	FCPQDRKYPNCHRLNRATSHCYWKATC	KDRRIKSGSTLEGMKKTEVFYTGRAF	KG-KRINWVMHDYRPILKELDGINPG	
Column	1yma03g35570 1yma04g08320	: ISGEASMGDTEQWFF	FSLRDRKYPTEVRTNRATNTGYWKTIG	kdreifnsetseligmkktivfykgraf	ns-tkudu Kundusaikgepsssisnkau Rs-eksnuvneevrihskss-yrtnr	PT::
Company	lyma04g33270 lyma04g38560	: KAEWYF:	CVRDRKYPT-LKTNRATQSGYWKATG SPRDRKYPN-SKPNRAAGSGYWKATG	KDKEIFRGK-SLVENKKTLVEYKEEAF ADKPIGKPKALGIKKALVEYAGKAF	Ke-EKIDWVMHBYRLDGKFSVHNLPKTA- Ke-VKINWIMHBYRLANVDRSASKK	к
Column	lyma04g38990 : lyma04g39140 :	: MSLLKNGDL-NOMB	CPRCOMSTEGSINSATEAGMOSTME	KD:AIEHNNRVVENIKTUVEHTEEAP	KG-DRIDWVMHBERI DDKVLADEG	:
Column	lyma04g42800 : lyma05g00930 :	:	FSPRDRKYPNOSRPNRAAGTOYWKATO CVRDRKYPTOLRTNRATEACYWKATO	adkpighpkpveikkalvevackaf kdkeifrgk-slvenkktivevkeraf	KC-DKSNWIMHEYRTADVDRSVRKK KC-EKSNWVMHEYRIEGKFSAHNLPKTA-	::
Column C	lyma05g09110 lyma05g23840	KSFLPKRDL-EWFF	HKTVNA AT PERREKIHHODGMTEEHVR HK	RTEAVIEDGVHKEFKKIKVLEIRS-KKG	SKPYKINNVMHQYHIGS-EEDEK	
Column	lyma05g24910 lyma05g32470	:RALAEGKQWYY : KSCLRTGEL-EWYI	CPLESSOGSESOMKLATKIRVONANCE	MEEPVVSSSSNKRVENK YYVEHLEE-AF KDFVVQHNNRTVENIKTLLEHTEKSF	DE-NTINWIN OF RILDSDSSRSSK	RRS :
Column	lyma05g32850 lyma05g35090	:BNYFF	SPRD:KYPNeS:PN:AAGSCYWKATC SLKD:KYPTeL:TN:ATESCYWKTC	ADKPIGKPKALGIKKALVFYAGK-AF KDKEIFGGGVLIGMKKTLVFYMGKAF	KC-VKINWIMHEYRIANVDRSASKKN RC-EKSNWVMHEYRIENKOPYSS	TT : 1
Column	lyma05q38380	: NCH	SPKEAKURNENEMNETTKCEYNKATE	BDKRI-SSSTSTCNGIVGVRKTLIFYEGKSF	KG-SRIHWVLHBYRLVSVETGAANSSHN-	
Column	lyma06g11970 : lyma06g14290 :	LSVVQTKDPEWFF	FSPRDRKYPN CSRPNRAAGTCYWKATC CPQDRKYPN CHRLNRATNNCYWKATC	ADKPIGQPKPVEHKKAHVEYACKAF KD:RIKSGKDLHCMKKTHVEYTCEAF	KS-DKSNWIMHDYRIADVDRSVRKK	
The content of the	:1yma06g15840 :1yma06g15990 :1yma06g16440	:KALLSGNOVYE	STRVNENETTENEYWEDDE	TKPILSTFDKEVGMKKYEVEHIGEAF	QC-TEISWYNGEYHICSSEFDTASYR KC-VKINWIMHEYRIANVDRSASKK	SVRRRR :
Column C	lyma06g17480 lyma06g21020	: NCYF: : KAEWYF:	SSKEAKIRN NEMBETTNSGYWKAIG CVRDRKIPT LETBRATESGYWKAIG	KDKEIFRGK-SLVENKKTLVEYKEFAF	NC-SRIDWVMHDYRIVSLETIPSNSSQN-	
March Marc	lyma06g38410 :	:KAVFGEKENYF	SPRDSKYPNOSSPNSVAGSCYWKATO SPRESKYPNOASPNSAATSCYWKATO	PDKIITTEGRKVEIKKALVEVICKAP PDKPICSGTQKVEVKKSIVEVGCKPP	KC-SKINWIMHEYRILDSSRKHNLGT	
STATE STAT	Slyma06g47680 Slyma07g05360 Slyma07g05370	: MLAKSSSTIRFGDPDWFF	SPVDFKYSRSKEFNETTKCGENKPTG	verevrtfetntligtkktlvfykgrvs	RS-VKSIWVIHBYHAVTFHESQ	:
	lyma07g05660 lyma07g10240	: KCKIGTTPQNDWYF	STREET PROPERTY AFFSEWINGTING	RDKVIYSNGKRIGNRKTEVEYRGEAF	HS-QKSDWIMHEYRIDDNNTADTNIVSN-	: '
Company	lyma07g32250 : lyma07g35630 :	:VRKDGQIRHF:	HRPS A TTET KR KVHTDEEGSETR HK : SPRD KVPN CV PN ATVSCY KA :	KT:PVFVGGAVK-FK:ILVL:TNY-GRC PD:AIYSGSKNVCVK:SLV:YKC:PF	KKPEKINGVMHQYHIGTSEEEK KC-AKIDGIMHBYRIAESKIPASRKI	:: :
ACCOUNTS	lyma07g40140 :	: LAAIG	VPRDSK RNCD PURVTTSCAN ATC SPREAK RNCN MUSTTKCOMMAT HRPSWA TTOTICKE KIONECDLOGGETS HK	ADRMIRTENFRSIGLKKTLVFYSGKAF SDKRI-SSSTCNN-GIVGVRKTLIFYBGKSF	Ke-IRISMINNSYRUPQHETERYQ Ke-sruhovuhovruvsvetgaansshni	
Column	lyma08g04610 : lyma08g08010 :	: KABNYF	SLKBSKYPTGLETNRATESGYWKTEG	MEEPVISNSSNKRWENKKYYWEHLEEAF	RS-EKSNWVMHDYRTANKQPYRSS-	:
The content of the	lyma08g17140 : lyma08g18050 :	: KCRIGSGPQNEWYH	SHKDRE PTETETRATTAGNEAGE	RDKAIYHTNSKRIGMRKTLVEYTGEAF	He-Quinning and a DEDD	:
### STATE OF THE PROPERTY OF T	lyma08g18470 lyma08g19300	: TAEWYFY	YTQRDRKYATELETNEATASEYWEATE YSRRTQNEVTGNEYWEPTE	KBRPILRKGTHVENRKTLVENGERAF MEEPVVSSTSNKRVENKKYFVEHVEEAF	KE-RKIENVNHUHRIEGPHGPPKISSS TAGIKINWINQUYRISDSASSTRSSK	RKP :
ALCOHOLOGY Comment C	lyma08g41990 : lyma08g47520 :	VNSFGEKROYE	CIRGRKYRNSVRPNRVTRSGFWKATG FSTKVAKYPNCNRSNRATNSGYWKATG	LDKSIYCVKEPHECIELKKSLVYYRES-AG LDKQI-VTSKGNN-QVVCNKKTLVEYRCKPP	NC-SRIDWMMHEERIPPNAKSNPN NC-SRIDWIMHEYRIILNASQSQS	:::
Application Law	lyma09g31650	: KSFLPSRDP-ENYFI : KASMGKKENYFI : ICRIGAEEONENYFI	SLRDRKY PTOLETNEATESCYNKTHO	KBKEIFRAGVLVGMKKELVFYRGRAF	QC-IRTDWVMHBYRTDDKECEDTT RC-EKSNWVMHBYRTENKNHFRPS- NC-CKSDWIMHBYRTETDENGTPQAITS-	::
ADDITION C.	lyma09g36820 lyma09g37050	: RCRIGSTPQNEWYF	ecvrdeky pteletneatdaeywkate	KDREIIMEN-ALIGMKKTLVFYRGRAF	HE-ORDINATION EDGNOF	· · · · · · · · · · · · · · · · · · ·
March Marc	lyma10g34130 lyma10g36050	: KSRLKTRDQ-EWYFF : RCKLGYEQQNEWYFF	SALDKKYGNEGRMNRATSKEYWKATE SHKDKKYPTETRTNRATAAGEWKATE	NDRPVRHDQRTVGLKKTLVEHSGEAF RDKAVMSKNRIIGMRKTLVEYKGEAF		
March Marc	lyma11g03340 :	: LCKIGSDEENEWWW	FSHKDKKYPTeTRTNRATKAGFWKATG	RDKAIHSSPRHFLHEMRKTHVEYKERAP	NG-OKSOWIMHOMRIETNON	:
MARCHING C. ALGERGAN M. A. A. A. A. A. A. A.	lyma11g10230 lyma11g18770	: LAKVGERENYFF : FAGELCRGDTEQNFFF	-VPRDKKHGS-GRPNRTTEKGEWKATO -SPGQEHEAR-GRPSKTTA	SDRKIVTLSDPKRIGGLRKTLVFYQGRAF SPGYVYSSDNKVIGVKKSMVFYRGKAF	Re-CKUBWYNNSYRUPDNCKL Me-RKUKKKNSYBAIHIPNQST	PQ::
Part	lyma12g00760 lyma12g02540	: ICRIGTEEQNEWYFF	FSHKDKKYPTCTKTNRATAAGFWKATC FVPRDKKHGSCGRPNRTTEKGFWKATC	RDKAIYSKHELHEMRKTEVEYKERAF SD:KIVTLSDPKRIHEERKTEVEYQEKAF	NS-OKSOWIMHEYRIETDENGTPOATTIS	
March Marc	lyma12g09670 : lyma12g13710 :	:VSKDGLIRHE	HRPSWAMTTETEKREKVHSDEDGSETRWHKEE	KTEPVYNNAKLKEYKEIEVLYTNY-GKQ	RKPEKINWVMHQMHIGSDEEEK	
MARCHANN	lyma12g22880 lyma12g26190	:KAAFGEKENYF	SPRD:KYPNES:PN:VAGSEYWAU C SLRD:KYPTEL:TN:ATEACYWAU	PDKIITTEGRKVENKKANVEYVEKAF KD:EIYSSKTCSLVEYKKTNVEYREKAF	Ke-skinwimhbyrildssrkhnlgt Ke-bksnwymhbyriegkfayhylsrss-	:::
### PARTICLES PA	31yma12g29360 31yma12g31150 31yma12g31210	: LAGELCRGDTEQNFF	SPROE EAR OF PROTTASCHOOL	SPGHVYSSDNKVIGMKKTMVFYKCKAP	TC-RKIKWKMHDYKAIEHSDQSNTAI	PK
MAINTENNESSON NA	lyma12g33460 lyma12g34990		HRPS:AUTTOTEKREKVH-TDADGSETRUHKU C TPRDEKUPNCA:FURAATSCHUKATO	PDKPVLTSGGTQKVGVKKAEVFYGGKPF	RS-IKINWIMHDYRIADNKPNNRPPP	
Mail	lyma12g35530		SLRDRKYPT-IRTNRATEACYMAIC CPRDRKYRNSARFNRVTRACEMKAIC	KDREIYSSKTCSLVGMKKTIVGYRGFAF	KS-EKSNWVMHDYRIEGKFAYHYLSRNS-	:
WASHINGS	lyma13g05540 lyma13g18620	: MA	CVRERKYPTCOTTURATGVCYWKATC SFRERKYATCERTURATTSCYWKATC HRESYAWTOTEKERKYHTEKEGSPTROHK	KD:EIYKAK-ALIGNKKTLVEYKG:AF KD:TVLDPATREVVGMRKTLVEYRN:AF KT:DVEVGGAVKCFKKTLVEYRY-GRO	SS-EKISWVMHOYRIEDEHSVHNPPKKA- NS-IKIGVIMHOSRIETPHTPP OKPRKINWMHOVHIGTSFFFK	:
A	lyma13g30800 lyma13g31660	VSKDGQIRH	HRPS ANTTETSKRSKVH-TDDEGIETRAHKTE SPRDSKYPNETSPARAATSCYMKATE	KT:AVFASGGAVKCFKKILVIYTNY-GRÇ PDKPILASHGHHNKVCVKKSLV:YGCKPP	KKPEKIYWVMHQYHIGNTEEEK KG-VKINWIMHOYRIADSSSNSSSKPPSS	ASDHAHSGK :
March Marc	lyma13g34950 lyma13g35550 lyma13g35560	: KA	SPRORY PNCS: PNCVAGSCYNKATO TPRORY PNCA: PNCAATSCYNKATO	PDKIITTEGRKUSIKKALUF VOKAF PDKPVLTSGGTOKUSIKKALUF VOKAF	KC-EKSNINVSHENRIEGKFAYHYLSKNS- KC-TKINNINHENRI LDSSRKNTG RC-IKINNINHENRI TDNKPNNRPPP	
Part	lyma13g39090 lyma13g39160	: KSFIQS-DNEWFF : LAGEFCRGDTEQWFF	FSPRGRKYPNESOSKRATECEYWKATE -SPROPEEAREGEPNETTASEYWKATE	KERNVKSGSNIIGTKRTLVEHLGEAF SPGHVYSSDNKVIGMKKTVVEYKGKAF	K - ERIENIMHEN CINEKSQETAI T - RKIK KAMOYKAIEHSHQSNTAI	PK
The color of the	lyma14g03440 lyma14g09240	: VSSVGEKE YE	CIRGRE RNSI PERVIGSERVATE KGREKHW CYAKETE RNRKREVESER LREE	IDKPIYCVREPQECIGLKKSLVYYRES-AG RVEDICDNRDDVVLATMTREVEYVEN-SL	KS-TRIDWMMHDERIPPNGKTSNN KNAARIDWIIYDYAIVDRVLAS	
Mail 1998 R.S. LIDERIL SOUN MS C NT	Slyma14g20340 Slyma14g24220 Slyma14g36840	: KA	TPRDSKYPNOSSPASSAGTOYKATO CPQDSKYPNOSSPASSAGTOYKATO	KDREILNSATSELVENKKTLVENKE:AP ADRPVGKPKPVEIKKALVENAEKAP KDRKIKSGSTLIENKKTLVENTE:AP	KC-EKINWIMHOYRIADVDRSVRKK KC-KRINWIMHOYRIADVDRSVRKK	:: 1 :: 1
Mail	lyma14g39080 lyma15g05690	: KS	SPRDRKYPNCSETNRATKSCYWKATO YSRRTQNCYWKPTO	KDEKVNSQARAVCMKKTLVYYRGEAP IEEPVVSSTSNKRVCMKKYFVEHVCEAP	HG-SRINWVMHEYRIDERECETNS	RKS :
Maniagous Tartos	lyma15g08480 lyma15g40510	VSKDGQIRH	HRPSKATT TEKREKVH-TDDEGSETREHKE VTQREKVAT LETNEATASCYNKALC	THANFAAAGGAVROFKKILVLMTNY-GRO KIRSILRKGTLVGNRKTLVFYQGEAF	KKPEKINWVMHQYHIGS-TEEEK KG-NKIEWVMHDBRIEGPHGPPKISSS-	
Name	lyma15g40950 lyma15g41830 lyma15g42050	: TSATGG	CRRGRKYRNSIRPNEVTGSEFWKATE YSPRDRKYPNESETNRATQAGYWKATE SBKDKKYPTETETNRATTAGYWKATE	ID::PVYSHGGEGNDCIELKKTLVYYRESAG KD:PVHSQKKQVENKKTLVYYRESAF RD:SIYHTNSKRUENKKTUVENTESAF	KG-IKTOWNNHEERIPSNTONNNT HG-IRINWVMHEYRIIES HG-QKTOWIMHEYRIDEDD	:
No.	lyma16g01900 lyma16g01930	: RSVIKS	SPVDY LKSK F. TTKRe: ATC	NERKIRIPGTSNVIGTKKTLV-HOGEVE	RG-AKTNWVIHDYHAVTSHESQSG-VKSNWVIHDYHAVTFHESQ	
WASTER W	lyma16g02200 Slyma16g04720	RCRIGTTPQNDWYFF	SHKDKKYPTCTETNEATAAGENKATC CQKDEKYPTCMETNEATESCYNKATC	RDKVIYSNGKRIGMRKTLVFYRGEAF KDKEIYKGKGNLVGMKKTLVFYRGEAF	HO-QKSDWIMHBYRT DDNNTSDINIVSN- KO-EKSNWVMHBERT EGKFASYNLDKAA-	VM :
Maria Mari	lyma16g04740 lyma16g05620 lyma16g24200	GGRATFGERENYF	SPRDSKYPNOAFPNAAASCYWKATO HDLRTSVFENLNKREAGNCQWSTIE SHKDKKYPTCTSTWATMACWA	PERTIVTSLOGGAQESVEVKRALVFYRGFPE KAQDFELSK-EQVVARKNVIAFREEG REKSVYERTKLIGNKKTIVKKRGSAF	KS-VKINWIMEYRIVDNNKPIKLKD NGFAKSNWVMHDFRIVS-KSHPSM NG-QKIDWIMHDYRIETVENGPP	
ASSOCIATED ASS	lyma16g26740 lyma16g26810	: KA	SPRD KYPNCARP KRAAASCYKAIC CQRD KYPT MYT KRATQSCYKAIC	PDKNIVASLAGGVREHFGVKKALVFYRGKPF KDKEIFKGKNNLVGMKKTLVFYRGKAF	KG-VKINWIMHEYRIVDTNRPIRIKD- KG-EKINWVMHEFRIDGKFACYNLPKAA-	:
	lyma10g34310 lyma17g00650 lyma17g10970	: LAAIGEMYE : LAAIGEKEMYE : KAKMGEKEMYE	VPRD:KYRNOD:PN:VTTSCYNATC CVRD:KYPTCL:TN:ATEACYNATC	ADKVSCQSRPDENKKTDVIMRG:AP AD-MIRTENFRSIGLKKTLVFMSCKAP KDKEIFRGK-SLVGMKKTLVFMRCEAP	KC-IRIS IN NOVE PRI PRHETERYO	
AAACS AAACS COORMING CHAPTE AND RIVER RI	lyma17g14700 : lyma17g16500 : lyma17g23740	: LC	SHKDKKYPTCTETNEATKAGWKATG CPRDRKYPNCSETNEATKAGWKATG	RDKAIYSKHCLIGMKKTLVFYKGFAF KDFKVVCQSNPSTVGYKKTLVFYLGFAF KDVGIIHSESNOVERGMKDOMEDISCKG	NG-QKSDWIMHEYRIETNEN LG-DRIDWYMHEYRIEDDLGQATP SHETRIOWYMHETRIVASYDCOMD-	
Wasing W	lyma17g35930 lyma18g05020	: — AAACFS G I	KGRKKHW-CYAKETK-RNRRKVKS-FWLRK SEPRERKYPNGSETNEATKSCYWKATC	KVFDISDHNGDDVVLGTRTRFVFVVCNSL KDRKVNSESRAIGMKKTLVXYRSEAF	KNAARTOWII YSYAIVORFLAS	
Mail March	lyma18g13570 : lyma18g15020 : lyma18g49620	: VNSFG	CIRCRKYRNSVRPNEVTRSGEWKATG CPRDRKYRNSARPNEVTGAGEWKATG CVRDRKEPTGIRWEEATGTGYGEA	IDKSIYCVKEPHECIGLKKSLVYYRES-AG PDFPIYSSEGSKCIGLKKSLVFYREF-AA KDKEIIMFN-AT HEMKAMINAN MAN	KG-TKIDWMMHDFRIPPNAKSSPN KG-IKIDWMMHDFRIPSLTHPSSD KG-PKINWYMHDWRIPGKHMODKDG	
MRIDGS101 ARROGSVE HRTMARATC KREXIHOGOLFERING HE FUTALIEDGA HE FEILE VRSSENSRSTS HE GT - VEEK HE MINING HE	1yma19g02580 1yma19g02850	: LAGTGEKENYE : MAKMGEKENYE	ICPRDSKYRNSAS PREVTRAGEWKAT C CVRDSKYPTGQSTREATGAGEWKAT C	TDFPIYSSEGKCIELKKSLVFYRGFAA KDFEIYKAK-TLIEMKKTLVFYRGFAF	KG-MKIDWMMHDERIPCISDSSP SG-EKSNWVMHDYRLENEHSVQNPPKKA-	
	lyma19g08510 lyma19g26950 lyma19g28520	GG	HRTTNAMATEQEKREKIHHQQGLTEEHVRWHKU HDLRTCVFDNLNKREAGN	KTEAIIEDGAHKEFKKINVL VRSSENG BAQDVELSN-DQV AKKNVLA KEAKG KDHEIYKGKGNLUCKKA	SRSYKSNWVNHQYHIGTVEEEK NGFAKSNWIMHDFRIVS-KSLPSM KG-PKINWVNHDERIEGKFASYNIDRAA-	
	lyma19g36420 lyma19g44890	EP	QQMSEKSNPEPVKNSLHSEYPMLPYILAKK FSHKDKKYPTOSKTNRAIIVORWKATO	SALPNSIDMASSSSFCCNDDVKA ASLH RDFVIYSNGKITCNRKTTUF KCFAF	DONLNNII IGAQ FIAPVAEDLFNPLK NO-QKSDWIMHBYRIDDIN	:
	lyma19g44910 lyma20g04400 lyma20g31210	: MC	SHKYKKYPTOSETNEATSVGFWKATO TPRDEKYPNOVEPNEATVSCYWKATO CHRDEKYPNOGESWEATRRGYWA	RDMVIYSNGKITCHRKTLVFYKCFAF PDKAIYSGSKHVCVKKSLVFYKCFPF KDRNVICNSRSVCVKKTDUGNAGF&C	NG-OKSDWINHEYRTDDINKG-AKIDWINHEYRIAESKIPSSRKI SG-ERIDWYNHONTHDEEFLKRCO	
MRAIGUSSISS AS	1vma20g32090	I.SKI.KTKDIEVYE	HRVI AYNTOS KR KICGODFGDVR HKIC SALD KIGNOS TXRATDREYNKTIC	RTXPVILNGIQK=CKKIMVLYISP-VRG KDFPVTHGDRTVENKKTLVYHS-EFAF	GKSEKINWVMHQYHIGTEEDEK HG-RRINWVMHDYKNLDEELARAG	
ACO72 : KÇTCFTFVGEYNCNYLGKALFGERENYESSPREKNIPNESSPREVAGSCYNKALGTER IITADG			SPRD:KYPNCS:PN:VAGSCYNKATC SPRD:KYPNCS:PN:VAGSCYNKATC	VLPVKHDQRTVEERKTIVEHSERAF PDKIISTEGQRVEIKKALVEYIGKAF PDKVISTEGRVEIKKALVEYIGKAF	KG-TKINWINHOYRIIEPSRRNGS KG-TKINWINHOYRIIEPSRRNGS	:: :::
	NAC072	: RQTCFTFVGEYNCNYLGRALFGEREWYF	SPRORKYPNOSEPNEVAGSCYWKATO	TORIITADGRRVGIKKALVEYAGKAF	KE-TKINNIMHDYRI IEHSRSHGS	

1g00880 : 1g05680 :			
lq06150 :	EGELVVSKI	3 VCQCPRQCNWSDRSATTGEGSGEPNNSGRRDSGSGSCSRE-IVTHRDEMSAVVGVPDMTSFTHHHPLDIQQLPPDHSFIPFRKSFDERMQ	VG
g22510 : g37310 :	DGEYIIS	- GARNIGASSEREDITINGIA DIPANNASEQE - VEQOQOVICIONENDRO PERTEIN	
;07700 : ;07760 :	-TSMRLDDWVLCRI	IKKTKHAVSPTTEAASSTLQVINEQLDQAEEEEQIKDNLLPILKNNTTL	
11140 : 11900 :	PKYIDKIT	PANESWAICRIFKKTNATAGRALSHSWVSSLP-ETRTSDHHILTKDGDNTTGFCSDNMSMTKKTTLASGYCSNNYNDSGPLTTNSSTLCPLDVASCKSIIN	
12220 : 26480 : 38710 :	-GSMRLDDWVICRI -NSLRLDDWVICRI	VKKRINGKSMEAKEEYTIAQIN-I-PPANNDBEQE- NKKGAIEKQQPA PPPPSGVHKIECYEMEDVKP- SKONDSKIFASWANDUNBPA SEMPMANYSPDF I GARBALVDASSSOUPPDRKDI DVI SENSPPA I SNI TYPGGT I ISDGCN- ADDACDGI UPPVAF	FDOPLNUDI
40750 : 35570 :	DRKET SHOW	NK KGALKKQUMAPPYSSYNKIKCTEMEUDVE AND	
08320 : 13660 :	QDEWVVCRV	TANDERS AND THE TANDERS AND TH	GGGSTSS QLPLENQKI
33270 : 38560 :	NNNLRLDDWVICKU	-EDDO-E-NIDUX-STANDBORN, SQUAR FIQUILIENDES - LDSS	DAPRGI
38990 : 39140 : 40450 :	VLQDSYVICEV	VZ KEGFGPRNGAQYGKPYEE	GLTSVSCVS
42800 : 00930 :	-NSLRLDDWV#CR#	WNKGTIEKFQP-SSDVVVSRKMESSEIEDRKFEILKSGGGCL	DVQRNQEGV
04250 : 09110 :	GTS-QEEGWVVCRV	FKRRMTTQKVGEYDQSPCWYDEQVSFMQDLESPRRNISQTYASYHHHQQQHHHHPCKPELMELQY LYQRQKQSEKMEENTVVED-SNIAA	HDAFLQLPÇ
23840 : 24910 : 32470 :	CFQGGFAHCRV QPKPDHNKWVHCQV	ALL AND ALL AN	SPDMILDSS
32590 : 32850 :	KTDQCGSKWVICKA	- CARDIDERANGHOUREPRE ELWI- DEEIG - IPOHABIHPYPIBENISUG - SYPNU-NDEHOGCI - POHABIHPYNGVAVVDOKVAKISPEPVOFOHETED-	
35090 : 36030 :	KEEWVIICRV	USELGERRIGHRARFRE ERU DEELG PPAADTAFVELLETISUG SVENU NLPASULT EKIS UKRIGIEKYNGVAVUDGKVARIJSEEVOFGHETHE USBSAFREROGTS SUG-SGESPISHVNEFGUVDLPHLM-SIANSSSSFTNNIAYNG-DHPSNVNT- SYGOFRCOMBORGATTEGESGEGGPNNNNGRRDSGSGSCSSSR-ELVTHROEMSAVVGVPPITTFN-TSLDIQQLESNHFGFIPFRGFDEVG	NNMNL1
38380 : 38440 :	-YVNEIGDWV#CR# QDEWV#CR#	SMKKRSVESDGS-G	GGGSTSS
L1970 : L4290 : L5840 :	QNPYVICRI	IN SOMAKYVBSON HARAVN - PYSLEIEPHILPP-LUMQLODGAHFLYGHYVNISSELAELIAVUR. WKOTIEKLIGS-SSUVAHSHIESSI EDRKPEILK - SGOGLAMI PAHSEEAI SHVVFEVURGHYDI - ACHAPMQIVLPTAG KKHOESLEVSHCDEACTAST PVAYSTEEL (SOLAVVAGSSGOTEDINIQAMI PAHSEEAI SHVVFEVURGHDYD - ACHAPMQIVLPTAG KGGGFRANGAYGKFYDG - KREVETDEL IDSVIGS - APKAVCAFVFL (SPESHI - SVAWYTHSFSSCCA	EFQPLN
L5990 : L6440 :	KHDQSWSKCV#CRV	VEK.	
17480 : 21020 :	VANDTCDMT	LOKERSEISENNNYT	DVPRGI
35660 : 38410 :	AKLDDWVIICRII	NKKNSSSKVEANFLAMECSNGSSPSSSSH	ESCSFNSAV
38440 : 17680 : 05360 :	KNSLRLDDWVICRU FYSYIEEGWVVCRV	rkayorsherdosandmigevpfinvghnaffilsnifsys- - karltynkls ehds-pcwyddysfmoldspkgssgpnlfyggfgyskkeldlsy	QLPLENQKI
)5360 :)5370 :)5660 :	RTFVIICCII	IKERGKATEGGTDALICDEGEPSKSWYSDFENGATAEGISSEGTFTG-METIFGATFWARDN-FSFIGGSPTSIEGEGSSFNYAFNNAYFRNEDNWENNIGGW WENNIK WILDDT	MDREMET.DS
L0240 : L5180 :	KDEWVVCRV	IGMSLQVKRQQTPSSQPESPCDTASWVHEFGDVELPNLINNIANSSG-GLTNNISQTCTMADLINSVN	TNMNLF
32250 : 35630 :	-GSMRT-DDWVII CSIII	VEYGTQPRQCG-NSIIKQDIYDEERLMTNGSVHND	
0140 : 01280 : 03590 :	: -YVNEIGDWVIICEII	KRAGVEDHPSLPRCLPTRPSSSSRASSDHINNNKSTKHNEMVQHHNINMGFMQGKPPTTEHIVDKINESEASDVNTTLGLSKYNAYR	
04610 : 08010 :	KEERVIICH	TGTPFKQCMMSUKSATTEESSEEQQSNAMANANAKKUSSSTESSSELINTIKKEERSAVVVVVVITTFR-TALDIQQEASDHEGIPFKASFEEVC	TNMNLT
.6630 : .7140 :	IAQDSYVVCKV	ORGIGGGKGTHYARFFNE EEWD DEFIG IPCALITAGVFTLFITSDG SVANDNHLPASGCI KRKSONGFOODI EFFEHLTTHMRASCHCOVLEFKHHHNOGGYUFWYFDG	GSASTSCLS
.8050 : .8470 :	NLPSSKNYV	DVPQEAEIWTLCRIFKRNVSQRKHTPDLKQLSAKRHSIHDKNSRMSNVEFNNTNQESYINFGGHYQNEQKPVINYTNSDQRNQYHVMTHQLFAAFVAQHHQQPQQLTSP YKNSEVLAKPSMGSCYEDTGSSTLPALMDSYISFDQTQTHADEFEQVPCFSIFSQ	
.9300 :	QPKIEYNKWVHCRV	MES	
1990 : 17520 :	-HVVPMENWVICEU	HIQVAESLLECVQIILNIGSTIIPELLDIWHVVYIX	MUCCEPPUCI
1650 : 86600 :	SSDKOEEGWVVCRV	LARRIGARNGE DIEEGOCNISLIESSCTIINECETMSPDIFGASSSCLEEEDROD SWMYFITEDAWYSSNAA CRAICKES PSGPESPCDTASWARFGCYPS LINECETMSPDIFGASSSCLEEEDROD SWMYFITEDAWYSSNAA CRAICKREPCCYPS PSGPESPCDTASWARFGCYELDNIINNIASSGDITNNISCGTFFNADLINSVN CRAVTENREVS EBBS-SCRUEGVESFWADLDSSFRC PCGBANVYQCLEPFECKER LIDEFF ANNIFFIENEGG STHEFFENAN CORLINASSTRAMSFERNITLINGQUARRASSGLEIDEFFELAUFTSPBAL GORFINA GENCHMENVIK CORLINASSGERESSCASLIEFF LIDESSFRA - PTRITAGELSGUTCFSDD PR	TNMNLT
6820 :	QGSANEDGWVVCRV	UKKKNLFKIENEGGSTHKPDHQINNSSNTNÄRSYRENHYLLHQQQNPRNSSGLEDKPELALHYPPPHL	LFQSQPLLC QTEDQNNTH
4350 : 4130 :	KEDWVIICRV	HENDROMANIANIA	GVLCAEGEN
6050 : 6360 :	QEEGWVVC:A	rrfffregenergenercstscoohffrdqiqsyssrplsiadildetnnvbhenaegtsfshefssdhomeinnl xksgegerngeqygapfneeqnadddivdfninsadqrafndvdn-gnvlqpllddeidniirgilddelvldqqhvn	DKQLIELPÇ
3340 : 7990 :	QEEGWVVCRA	KKRYTTVRKMG	HDALLGTA
0000 -		THE TABLE OF THE TABLE TO THE T	IQDPFVQLPÇ
.0230 : .8770 :	PKEIVICKI LRWEFSUCRV	WRATSLKVLECRAALEEERKKOWOMSPASPSSTDTTMSFSSPCEEQNLPLPLLCHVLKEESETTEDMVVSKQEKTTMQLTLKDT-KSTCCTSLCMPFGKEKLP	TSSEPNYGS
.0230 : .8770 : .3210 : .0760 :		RRMS — LKVLEGRALEEEREKGWY UNSPASPSSTUTMS \$ SSPCECULDLIGHVLKKSSFTEIMVVSKGEKTYNGLTLEDT RSTCOTSLCHPEGKELL VY DOSFFAR FORDLEGOSSSSANTVOLICSES ISHE COLINSISSALIVEX — BESSYMBUYN — NINNIGTWSHFLSSEDLINLETS —	TSSFPNYGS
.0230 : .8770 : .8210 : .0760 : .02540 : .09670 :	PKEIVICKILRWEFSICRVGLQDAYAICRV HKLTMEEGWVVCRVPKEIVICKILTCEFSICRVEGELVVSKV	IRANELKVLEGRALIEEREKKOWINSPASPESTUTMS FSSQEEQLIDLILGHVLKKESETTEIMVVSKGEKTYNGLTLEDT-KSTCOTSLCMPFGKERLD- VU IGGFFAR TORPLEUGOSSESSHOTYDCLGSESISHE CULUSSIGNALEVER	TSSFPNYGS
.0230 : .8770 : .83210 : .92540 : .9670 : .3710 : .2790 : .2880 : .		RANTSLKVLEGRAALEEREKKGWINBASPSPSSTURESSESSEGLIEDLELLGHVLKKESETTELDMVSKGEKTUNLTLEDT-RSTCOTSLCMPFGKERLD- VOISGFFAR DERDIELGKOSSESSANDUN- VAR VIPPRVEDGHVYNLEHRNUMTSDGSSTDIELYSEGREVLESSNYLMWOTCOPPHINIGSSLINININGGTKSHTMN- KRAVTHRAND-PERCESSANDUNGSSTDIELYSEGREVLESSNYLMWOTCOPPHINIGSSLINININGGTKSHTMN- KRAVTHRAND-PERCESSANDUNGSSTDIELYSEGREVLESSNYLMWOTCOPPHINIGSSLINININGGTKSHTMN- KRAVTHRAND-PERCESSANDUNGSSTORE - EHBS-COUNDUPSPHLLDIESSKE, "1900-1100-1100-1100-1100-1100-1100-1100	IQDPFVQLPÇ
.0230 : .8770 : .8770 : .83210 : .90760 : .92540 : .99670 : .3710 : .2790 : .2880 : .9360 : .9360 : .		IRANTSLKVLEGRAALDEEREKKOWINBASPESSTÜTMSESSPECHLDILLGIVLKRESETTEIMVVSKGEKTINGLILEDT-RSTCOTSLCMPFGKERLD VOIGSFAR DEMPLEKDGSSESSAVONGLGSESISTEDELGHOSISGNIKEVER BESSINDÜN	TSSFPNYGS PRDHFLQLPI
.0230 : .8770 : .8770 : .03210 : .00760		IGRATELEVILOGRALDEEREKKOWINDBASPPSSTDTMSFSSPCEQUIDDILIGHVILKESETTEIMVVSKGEKTINGLILEDT-KSTCOTSLIGHPGKEKLD- VOI GOSFAR DERDIELGKOSSSKANVOLGIGSSISIPTELGHOSSKOMEVERESSTNONTON- HERVAT PERVOLGHVINULSHAN,MYSSDGSSTDIELYSEGREVELESSNYL MYNDOT PER SESTINDINGTKERN- HERVATENTSV ALLEY SENDE EHBS-COVENDOVEFSHLIDESSKC TOGGENINVIGIP-YCKCE LOLP- VIGENATER LEVILOGRALDEEREKKONG-SPASPSSTDTMSFSSCEECKINDELLIGHVILKES-FTEIMVVSKQEN ITNGLVILHDTMKSTCOTSLIGHPGKEKLD- VI GOSFFAR FORPLIKKGARSSVINIKKGGSVHEVEN VI GOSFFAR FORPLIKKGARSVINIKKGGSVHEVEN VI GOSFFAR FORPLIKKGARSVINIKKGGSVHEVEN VI GOSFFAR FORPLIKKGARSVINIKKGGARSVINIKKGGARSSVINIKKGGARSVINIKKGARS VI GOSFFAR FORPLIKKGARSVINIKKGARSVINIKKGARSS HISHSGGDARVYDAGGG SKALDKVINICR- VI GOSFFAR FORPLIKKGARSVINIKKGARSVINIKKGARSSKARSVINIKGARSSKARSVINIKGARSVINIKKGARM VI GOSFFAR FORPLIKKGARSVINIKKGARSVINIKKGARSSKARSVINIKKGARSSKARSVINIKGARSKARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKGARSVINIKKARSVINIK	TSSFPNYGS RDHFLQLPI
L0230 : L8770 : 33210 : 032540 : 102540 : 122790		IRANE LKVLEGRALDEEREKKOWINDSASPESTUTMS FSSCEROLIDLIGHVLKRESETTEIMVVSKGENTNALTLEDT-RSTOTSLOMPFGKERLD VI GIGSFAR DERPLEGROSSSSANVOLGIGSSE ISTE EIGHGSISM, ERSTSWODVN- NTAN I DERVOLOGHTVUVLSHAM, OMN SOLGSS IDIELJSEGREVLESSNYLMWINDT-SPRINI IGSSLIN IN INGGTKREM- VI GIGSFAR DER LEKGRASS VERNEN EIGHG - FÖR TEDDY FENTLEDER KANNEN TE STOTSLOMPFGKERLD VI GIGSFAR DER LEKGRASSNYLH INN GGARAHOTOP HSGMLEAG ESSITEMUVN- VI GOSFFAR DER LEKGRASSNYLH INN GGARAHOTOP HSGMLEAG ESSITEMUVN- VI KONTORS HERDIS IDIM IGSVESTIM STOTSLOMSFELSENSTSSS- KINSTAGNEN LLANGGSVEKTMS-STOSSHAMSTSTSS- CHATTGGGSTVSS ASAATTGGSSKKTRHTSNNSSNMSLOPPOSPSSIYLDPLLESSSYAAAAAT FNDR SELDBWLCER VI LANGGSSKKTRHTSNNSSNMSLOPPOSPSSIYLDPLLESSSYAAAAAT FNDR SELDBWLCER VI LANGGSSKKTRHTSNNSSNSSNSLOPPOSPSSIYLDPLLESSSYAAAAAT FNDR SELDBWLCER VI LANGGSSKKTRHTSNNSSNSSNSLOPPOSPSSIYLDPLLESSSYAAAAAT FNDR SELDBWLCER VI LANGGSSKKTRHTSNNSSNSSNSLOPPOSPSSIYLDPLLESSSYAAAAAT FNDR SELDBWLCER VI LANGGSSKKTRHTSNNSSNSSNSLOPPOSPSSIYLDPLLESSSYAAAAAT FNDR VI GOFFAR FOR FRONDEN SSKASSSSSIPPINNSSNSSSSIPPINNSSSCOALS EGGIDGRO ALS VI GOFFAR FOR FRONDEN SSKASSSSSSIPPINNSSSSCOALS EGGIDGRO ALS VI GOFFAR FOR FRONDEN SSKASSSSSSIPPINNSSSSCOALS EGGIDGRO ALS VI GOFFAR FOR FRONDEN SSKASSSSSSIPPINNSSSSCOALS EGGIDGRO	
L0230 : L0770 : 33210 : 00760 : 002540		VARIATELKVLEGRAALEEREKKOWINSPASPESTUTMS FSSCEROLIDLILGHVLKRESETTEIMVVSKGEKTINGLTLEDT-RSTCOTSLOMPFGKERLD VOI GIGSFAR DERNIELGENSESSKAVOLGICSES INFECHIOSISM, METER SESSYNDOVM NETAVI DERVOLDEN VALUE SENDEN VALUE SENDEN VALUE SESSYNDOVM NETAVI DERVOLDEN VALUE SENDEN VALUE SENDEN VALUE SESSYNDOVM VIGSFAR DER LEKELASSAVURI ENNEGGRAANDOC NIGHT SENDEN VALUE SENDEN VAL	
.0230 : .8770 : .87770 : .83210 : .0076	- PREIL C - LRWF S C - GIQDAYA C HILTMERS C - GIQDAYA C - FREEL S	VARIATE LKYLEGRALDEEREKKOVINBASPSSPDTMSFSSPCEGNLDLDLLGHVLKRESETTEIMVVSKGEKTINGLTLKDT-RSTCOTSLCMPFGKERLD VOIGSFAR DERDLENGESSSRAVDGLGSES INFECHGOSISGNLEVER BESSYNDOVM VOIGSFAR DERDLENGESSSRAVDGLGSES INFECHGOSISGNLEVER VOIGSFAR DERDLENGESSSRAVDGLGSES INFECHGOSISGNLEVER KRAYTHRKYE DAAL BERNEKGOVG SPASSSIDING SSSYLDTMSFSSPCETCHING STREET TERMVVSKGEN KRAYTHRKYE DAAL BERNEKGOVG SPASSSIDING SSSYLDTMSFSSPCETCHING SSSTEMBY VOIGSFAR DER LKYLEGRALDEER KGOVG SPASSSIDING SSSETTMS SSS SSSTEMBY SSS SSS SSS SSS SSS SSS SSS SSS SSS S	FTDHHNSSY
.0230 : .8770 : .8770 : .8770 : .8770 : .8770 : .8780 : .9870	PREIN S - LRWE S - LRWE S - LRWE S - LROOP - ARLDOW - RESWY - S - ROOP - LROOP - LR	VIGIGERATE OPENILEGRALDEEREKKOWINDSASPESTUTMS FSSCEROLIDLIGHULKESSTYTEIMVVSKGENTYNGLILEDT-RSTCOTSLOMPFGKERLD VIGIGERATE OPENILEGROSSAS HEROLOGICSSE ISHE FECHASISMUT KESSTYNEDVM - MARY LEPKYOLOGICHYNVLSHAMONSDIGSSIDIELJSEGREVELESSYNIDMYDD FRANCH FOR ALL STRONG FRANCH - TOLL STRONG	FTDHHNSSY
.0230 : .8770 : .33210 : .2540 : .90760 : .2540 : .90760 : .25790 : .22790 : .22790 : .22880 : .86190 : .9360 : .81150 : .31150 : .31210 : .31460 : .84990 : .55530 : .95550 : .95550 :	PREIN SIGNATURE	WARMS LKYLEGRALEEREKKOWINDSASPESTDIMS FSSCEROLIDLIGHULKESSTYTEIMVVSKGENTMQLTLEDT-RSTCOTSLOMPFGKERLD VI GIGSFAR DERPLEKDGSSSSANTVOLGIGSSI INTE GEGLGHSISKIME FSSSYNDOVM NTAY I DEFVOROHIVVUSHAMOMYSDGSSS DIELJESCREVLESSNYLMWHYD-PPHINIGSSLININGGTKREN VI GIGSFAR DERPLEKDGSSSANTVOLGIGSSI INTE DER GEGLEVYGLESSNYLMWHYD-PPHINIGSSLININGGTKREN VI GIGSFAR DER DER GEGLEKARSKYRH I ENNEGGRARHGTCP-HSGMLEAG VI GIGSFAR DER DELEKTARSKYRH I ENNEGSSKYRHVISHESSEN GEGLEN GEGL	FTDHHNSSY
.0230 : .8770 : .88770 : .88770 : .88770 : .88770 : .8	PREIN S - LRWE'S C C C C C C C C C C C C C C C C C C C	VARIATE LKVLEGRAALEEREKKOVINBASPSSPTDMS FSSCERGILDLILGHVLKRESETTEIMVVSKGEKTNQLTLEDT-RSTCOTSLCMPFGKERLD VOIGSFARA DERILEKDGSSSSANDUGLGSSEI SIEULYSEGREVULESSKYLMWINTO-SPSYNDUN- NETAY I DEFVOUCHTVAULSHAM, OMN SOLGSSIDIELYSEGREVULESSKYLMWINTO-SPSYNDUN- NETAY I DEFVOUCHTVAULSHAM, OMN SOLGSSIDIELYSEGREVULESSKYLMWINTO-SPSYNDUN- NEARLYSHANDE EHIDS-CVENTUD YENTLIEBERGERGMANT TEACH TOLLY	FTDHHNSSY
.0230 : .8770 : .88770 : .88770 : .8770 : .93210 : .99670 : .3710 : .22540 : .99670 : .3710 : .22880 : .66190 : .9360 : .81150 : .81150 : .811210 : .8530 : .8530 : .8530 : .8530 : .8530 : .8530 : .8530 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .85350 : .8620 :	DREIM SIGNATURE	INGRATE - LKYLEGRALEEREKKOWINDSASPESTDYMS FSSCEROLIDLIGHULKESSTYTEINWVSKGETTNGLTLEDT-RSTCOTSLOMPFGKERLD- VIN GIGSFAR FORDLEGGOSSSTANDVOLGIGSSI SIEDECHGUSSIGNILF SSSYNDOVN- NEAVI DEFWOODSTVULSENAUMYSBOGSSSTDIELJSEGREVLESSNYLMWHOTESFANININGSTREN- VIN GOSFAR FORDLEGGOSSAS SANGER SSSTDIELSEGREVLESSNYLMWHOTESFANININGSTREN- VIN GOSFAR FORDLEGGOSSAS SANGER SSTORE SEGREVANDELEGGUS STANDEN STANDEN SANGER STANDEN SANGER STANDEN SANGER STANDEN SANGER STANDEN SANGER SANGE	FTDHHNSSY FTDRHNGSY
.0230 : 88770 : 88770 : 98770	PREIN S - LRWE'S COMPANY - RECORD A ALL - R	WARMS LKYLEGRALDEEREKGOVIDBASSPSDTMSSSSTDTMSSSSDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSSTDTMSSSSSSTDTMSSSSSSSTDTMSSSSSSSS	FTDHHNSSY FTDRHNGSY DSSS
.0230 : 88770 : 88770 : 88770 : 98770	PREIN S - LRWE'S COMPANY - RECORD A ALL - R	WARMS LKYLEGRALDEEREKGOVIDBASSPSDTMSSSSTDTMSSSSDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSTDTMSSSSSSTDTMSSSSSSTDTMSSSSSSSTDTMSSSSSSSS	FTDHHNSSY FTDRHNGSY DSSS
.0230 :	PREIN SIGNATURE	VARIATE LKVLEGRAALEEREKKOWINDSASPESTDINGSSTUTMS SSTOCKULTURESETTEINVVSKGENTINGLILEDT-RSTOCTSLOMPFGKERLD VARIATION OF THE PROVIDENT OF THE	FTDHHNSSY FTDRHNGSY IDSSS ILIFMKMIS EDQLLSVDISS-FSNFG/
.0230 :	PREIN SIGNATURE	VARIATE LKVLEGRAALEEREKKOWINDSASPESTDINGSSTUTMS SSTOCKULTURESETTEINVVSKGENTINGLILEDT-RSTOCTSLOMPFGKERLD VARIATION OF THE PROVIDENT OF THE	FTDHHNSSY FTDRHNGSY IDSSS ILIFMKMIS EDQLLSVDISS-FSNFG/
.0230 :	PREIN SIGNATURE	INGRAFS — LEVILEGRALEDEREKGOVINDSASPENDTMS SESPECTIOLICITULKESSETTEINVVSKGENTTMOLTLEDT RETOGTSLOMPEGREELD VERVILDERVOLGHENWISHMANDESSEDIESSENDERVERVER — BESSYMMUNN KRAIT JERVOLGHENWISHMANDESSEDIESSENDERVERVER — BESSYMMUNN VERVILDERVOLGHENWISHMANDESSEDIESSENDERVERVERVERSENDERVERVERVERSENDERVERVERVERSENDERVERVERVERSENDERVERVERVERVERVERVERVERVERVERVERVERVERVE	FTDHHNSSY G
.0230 :	PREIN S - GREEN S - GREEN S - GREEN S - FREIN S	INGRATE — LEVILEGRALEDEREKGOVIONSAS PERCHASISANINES SENGEGOLIDELIGHULKESSETTEINVVSKGENTTNOLTLEDT RETOGTSLOMPEGKERLD VERVIT DERVOORDITVOUTSERNAUMTSLOGISSES INDECHASISANINES SENGESYNDOVA NERVIT DERVOORDITVOUTSERNAUMTSLOGISSES INDECHASISANINES SENGESYNDOVA NERVIT DERVOORDITVOUTSERNAUMTSLOGISSES INDECHASISANINES SENGESTAMPIN TOSTRENIL LIDE VISSESFARTURE PLEEKERASSAVER ENNE GARARGTOP — HESMITERS SENTIMPS SENGESCHONPELIAGURUKKERS — PERUNVERGER IT MILIVALEN SENTIMPS SENGESCHONPELIAGURUKKERS — PERUNVERGER IT MILIVALEN SENTIMPS SENGESCHONPELIAGURUKKERS — PERUNVERGER IT MILIVALEN SENGESTAMP SENGES SENTIMPS SENGESCHONPELIAGURUKKERS — PERUNVERGER IT MILIVALEN SENGES SENTIMPS SENGESCHONPELIAGURUKKERS — PERUNVERGER IT MILIVALEN SENGES SENTIMPS SENTIMPS SENTIMPS SENGES SENTIMPS	FTDRHNGS\ FTDRHNGS\ IDS
.0230 :	PREIN S - GREEN S - GREEN S - GREEN S - FREIN S	INGRATE — LEVILEGRALEDEREKGOVIONSAS PERCHASISANINES SENGEGOLIDELIGHULKESSETTEINVVSKGENTTNOLTLEDT RETOGTSLOMPEGKERLD VERVIT DERVOORDITVOUTSERNAUMTSLOGISSES INDECHASISANINES SENGESYNDOVA NERVIT DERVOORDITVOUTSERNAUMTSLOGISSES INDECHASISANINES SENGESYNDOVA NERVIT DERVOORDITVOUTSERNAUMTSLOGISSES INDECHASISANINES SENGESTAMPIN TOSTRENIL LIDE VISSESFARTURE PLEEKERASSAVER ENNE GARARGTOP — HESMITERS SENTIMPS SENGESCHONPELIAGURUKKERS — PERUNVERGER IT MILIVALEN SENTIMPS SENGESCHONPELIAGURUKKERS — PERUNVERGER IT MILIVALEN SENTIMPS SENGESCHONPELIAGURUKKERS — PERUNVERGER IT MILIVALEN SENGESTAMP SENGES SENTIMPS SENGESCHONPELIAGURUKKERS — PERUNVERGER IT MILIVALEN SENGES SENTIMPS SENGESCHONPELIAGURUKKERS — PERUNVERGER IT MILIVALEN SENGES SENTIMPS SENTIMPS SENTIMPS SENGES SENTIMPS	FTDRHNGS\ FTDRHNGS\ IDS
.0230 :	DREIN S - RRESES	INDIA - LEVILEGRALEZEREKGNYUNSPASPESTUTMS SESPECKULDILLGIVLEKESETTELMVVSKGETTNGLTLEDT - KSTOTSLOMPEGKERLD - VOTOSGFARE DE VOTOSG	FTDHHNSS: G FTDRHNGS: IDS — SS ILIFMRMIS- EDQLLSVDI SS-FSNFGI IWQIREENS- TMHLPC NDRFMKLP- NLSSNNVNI SSNNVNI NLSSNNVNI SSNNVNI NLSSNNVNI
.0230	DREIN SIGNATURE	INDIA - LEVILEGRALEDEREKGOVIDASPASPERSTUMS SESPECILIDALGIVLEKESETTEIMVVSKGENTNALTLEDT RETOGTSLOMPEGKERLD VI DIGGFARE DERDENSENSENTVOLGISSE INDICHEGRICH SIGNAL VICE KENT J PERVORQHY UNLEHANDEN BOLGSS DIELIZEGRICH LIEBERGY LESSYLIM MYCHOT SENDIN IN DEN STEMPEN SENDIN IN DEN STEMPE SENDIN IN DES STEMPE SENDIN IN	FTDHHNSS: G FTDRHNGS: ILFMKMIS EEDGLLSVD ISS-FSNFGF IWGIKEENN-TMHLPG NDRFMKLPGSNNVMI
.0230 :	DREIN OF THE PROPERTY OF THE P	INDIA - LEVILOGRALEDEREKOWY UNBASEPESTYMY SESTOMS SESTOMS SESTOMS TO SESTOMS SESTOMS TO	FTDHHNSSY G FTDRHNGSY FTDRHNGSY SS SILFMENIS EDQLLSVDI SSS-FSNFGI IWGIKEENS TMHLP TMHLP NDEFMKLPSNNVNI LEQQLVQLPF
.0230 :	DREIN OF THE PROPERTY OF THE P	INDIA - LEVILOGRALEDEREKOWY UNBASEPESTYMY SESTOMS SESTOMS SESTOMS TO SESTOMS SESTOMS TO	FTDHHNSSY G FTDRHNGSY FTDRHNGSY SS SILFMENIS EDQLLSVDI SSS-FSNFGI IWGIKEENS TMHLP TMHLP NDEFMKLPSNNVNI LEQQLVQLPF
.0230	- PREIN S - LINE S -	YEARTS—LEVILEGRALEEEEEKOWINDSASPESTEMSSESSUMEYR — ESSISTEMINUM — INNINIGIASHFLSSEDLIALITE YOUNG THE TOTAL PROPERTIES AND THE SECTION OF THE S	FTDRHNSSY G FTDRHNGSY FTDRHNGSY SS SS SILFMKMIS EDGLLSVD SS TMHLFC NDRFMKLPR NDRFMKLPR NLSSNNVNI EGGLVQLPF PERHIYT MVGGEVSE DVQRNQEGG
.0230	- PREIN S - LINE S -	YEARTS—LEVILEGRALEEEEEKOWINDSASPESTEMSSESSUMEYR — ESSISTEMINUM — INNINIGIASHFLSSEDLIALITE YOUNG THE TOTAL PROPERTIES AND THE SECTION OF THE S	FTDRHNSSY G FTDRHNGSY FTDRHNGSY SS SS SILFMKMIS EDGLLSVD SS TMHLFC NDRFMKLPR NDRFMKLPR NLSSNNVNI EGGLVQLPF PERHIYT MVGGEVSE DVQRNQEGG
.0.230	- PREIN	ABATS - LEVILOCANALESERERKON UNBASSPORSTONESS SOCIEDAN FOR LOUVER SETTEMBRY SECRETARY SECRETAR	FTDHHNSSY FTDHHNSSY FTDHHNSSY IDS SELFMENIS EDQLLSVDI SS-FSNFGJ IWGIKEEN TMHLP TMHLP NLSSNNVNI EQQLVQLP PEHHIYE MVGGEVSE DVGRNQEG SPDMILDSS ASSFPNYGS
.0.230	- PREIN S - LREGGION A COMMISSION OF THE STATE OF THE STA	ABATE	FTDHHNSSY G FTDRHNGSY FTDRHNGSY SS SILFMKMIS EDGLLISVDI SS-FSNFGI INGIKEEN TMHLPG NDSFMKLPS NLSSNNVNI EQGLVQLPP DVGRNOEG SPDMILDSS SPDMILDSS SASSFPNYGS
.0.230	- PREIN	ABATS	FTDHHNSSY GUB
.0230	- PREIN S - LINE S CALL - LINE	BARSE_LEVILOCRAALEEEREKCYUNNSCASSITENTEUNSSCASSICHER CONTROL	FTDHHNSSY G FTDRHNGSY FTDRHNGSY SS SILFMRMIS EDGLLSVDI SS-FSNFGI IMGIREENS TMHLPC NDRFMKLPRI NDRFMKLPRI PEFHIYTM MYGGEVSI DVGRNGEG HDAFLGLPC SSPMILDS SSPMILDS ASSFPNYGS GGTEDGNNTFI GGEDGNTFI
.0.230	PREIN CARREST OF THE PREIN CAR	PARTS	FTDHHNSS) G FTDHHNSS) G FTDHHNGS) BS SS SILFMENIS EDQLLSVDI SS FSNFGI IWGIKEENS TMHLPC TMHLPC TMHLPC DVGRNGEGVS HDAFLGLEV SPEMILDS ASSFPNYGS GTEDGNNTH GSEDKKTEN
10.0230 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- PREIN S - LINE GODNA - C - LINE GODNA	ART STATE	FTDHHNSSY G FTDRHNGSY FTDRHNGSY SS SILFMKMIS EDGLLSVDI SS-FSNFGI IWQIKEEN TMHLPC TMHLPC TMHCPC TMH
.0230	- PREIN - PREI	AND STATE	FTDHHNSSY G FTDRHNGSY FTDRHNGSY SS SILFMKMIS EDQLLSVDI SSS-FSNFGI INGIKEENS TMHLPE NDEFMLPE NDEFMLPE SPENFGI SEPRIFGI SSS-FSNFGI INGIKEENS TMHLPE NDEFMLPE SPENFGI SPENFGI SPENFGI SPENFGI GERGEVSE GTEDGNNFF GREEN FMMNCLS SPENFGI GREEN SPENFGI SPE

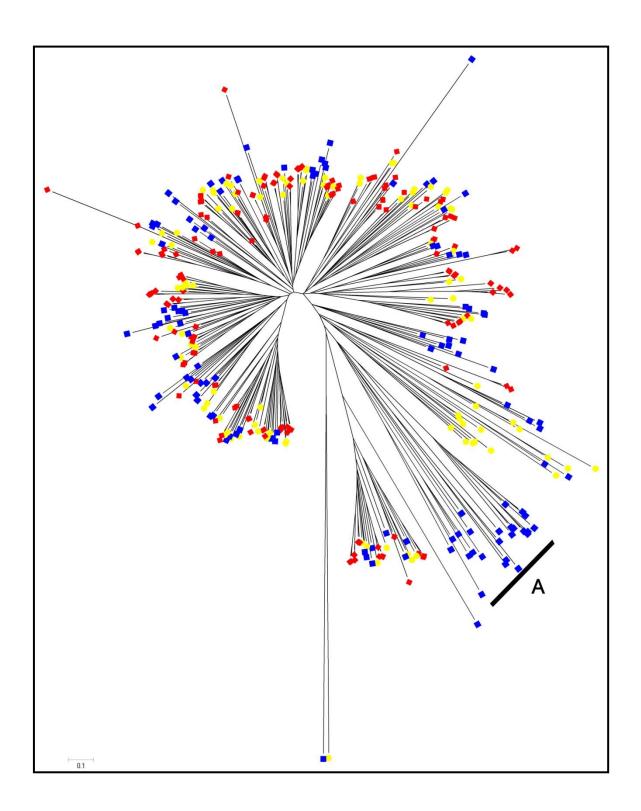
Lg05680		-AQVTPHHHIQLQQHAHHIQISNSAFHISRSHBISTIISPPLHHTSIILDDM-SYMYSINLQDKNFQQ -PLLYKAFDHFIFI-NEDLRTSLIFS-PFPETSDANKESTMYDVSSMILSLPSSVILGDFKWTSEDTNF LYKFPRTSSLTHLLEMDYLGPISHILPDASYNSTFDFQINTANGGIDPFVKPQLVEIPYATDSGKX
lg22510 lg37310 lg07700	PQLPQMDCLDEIQADYQDLANESS	DNN-EDEDIQNRLLSNNNNTKKVTTDWRALDKFVASQLSQEVDTHESNG-V
g07760	PTNNYASTSQVNFTTTNNPIMGISTGNNNTLL	VPPQUTTLIMSQRSUSS SALDDATUTSMISTILESHIRISMILTISSA BINGCENDIGETTEQNITIANN
g11900 g12220		PLLYKAFDHFPIS-NEDLSTSLLFSSPPFETSETNPKSTIMDVSSMLLNMSSSVLGDFNKTTSEDTNTNA NVKFPRTSSLTHLLEMDYLGPISHILSDATYNSTFDFQINTANGGIDPFVKPQPVEIPYAADSGKY
g26480 g38710	YDPTNLFLDDKLFSPVHAHFPTDFYYQANNQSE	
g40750 g35570 lg08320		DNYAPREDDFTFMVGTNYNHSNNGMSSMRYADAKTWEDANFRTTEIGDVDEFFAERMVENLRWVGMSSEDLQK
g13660 g33270	QSAASNSMTPYGIEENPN 	AMQPASIMQQVQQQNFQVFGNNSNDQQVADWRALDKYVASQLSQEDASK
lg38560 lg38990	;	ETKPEIHKLGNE-QLYMETSDSVPRLNT-DSSSSEHVVSPDVTCEREVQSDPKWNDDLDLKLENAF
g39140 g40450	: LMPSCSTHPSAPSNPVGTVSCVSELIPSCSEPHHLPSNNQVGSVSCV : YDPRSELLDGKLFSPVLAHIQPEFHYQANIESDGR	BEFMPSCSAHPSAPNSQVGSVSRVSEFMPSCSAHPSAPNCQVGSVSSASELMPSFSDHPSAPSNQVGSVSCVPELMTS YGLQYGTNETNMSDFLNSVVNWDQVPFEDPNCQQQSYPLFNVKDNILNSDLDSELANMTCMQAGYAEGAIDGRI
1g42800 5g00930 5g04250	PODVIDOS	LPPVPPPG-AKANKKDYMYFDPSDSIPKLHT-DSSCSEHVVSPEFASEVGSEPKWKEWEKSI GVQAAPNFAFPGSVYTLQDHTILRALCENNG-YKPERDMISVSQE
g09110 g23840	SFIQANHLVCNLNEKRYDHVW	INLSINT*
ig24910 ig32470	SLPSPGTVN	DND-DDGDGTELSCLDEVFLSLDD-LEEISLPN*
g32590 g32850	NWPSSTELVPSL	cqsqqgvncysdeddcgtelswldefymslviafllspfkrpyaskriyfafgm*
5g35090 5g36030 5g38380	NWWSSTELVESL- GEASTAREVQASG-SCNEVHERHV	PWPSGLIMPNISVNSLIKRIQIRNTYQQRETTTSTSOHHFATTVPQGFSH
g08440 g11970	NLPIQSHLSYPTSSSTGGG	FTISGLNLNLGGGGATATTQFILREMQPSPAPVHTMAQVLDANSSMMTTSSL
g14290 g15840		YGLQYGTNETNMSDFLNSVVNWDQVSFEDLNCQQQSYPLFNVKDSVLSSDLDSELAIMTCMHAGSAEGPNNGRF BELMPSCLAHLLASNNQVDSVPCVSEFMPSCSAHPSAPNSQVGSVSGLIPSFLAHSSASNNQVGSVPCVPELVPS
ig15990 ig16440		irsqqsvdcyrdddddgsgselswldevylsldddlkeigmpi*trsqqsvdfkugnegllytersdsyrhlt-dssssehvyssbyrcereyqsdfkwnnddydlglqlenai
g17480 g21020 g35660	DSLNNINISINSNTLYGVSSNHSFYNT	QGVQLQAPPTLPLPSSSNHYLRAFLENQGNGSNMSNNG-FEPEREMVSVSQK
5g38410 5g38440		VDDMLGSLPEINDRCFTLPRVNSLRTMHQQDEKFGSPNMGSGFFSDWVNSTDLDSISEFESGC GALLENDRNTLEGVVIGNGNVNGINTNSINAISSSSSHHQFASSNSKAELLPFAPSNNNTSNSASKRT
5g47680 1g05360	QSASN-SMTPYGIEENPN	amgpassmmgqvqqqnfqavvfgnnandqqvtdwrsldkyvasqlsqedaskbhnrysn- etteemgtsfeiteeveflnsilvdesfvidkesmhvfvnsstqseslsdtdaevvskldgnt
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g35630 g40140		
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lg16630 lg17140 lg18050		LIRLTTTTGCGLNIMQQQQQGERFSGDWSFLDKLLASHHGMDQSSSNFWINSPPGNDFFTFDNWDELGSVVKMKYT-PSRLFYKKQDLYILKFVSYKMNQRYIIRVRLHTLIIH
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g41260 g41990		PLMLYKSLDRLPFSNYGDLLTSGLIFSSPLETSTTTNAKSSMDASSLLLSTSSSVLGEFX
g47520 g29760	TFTN*	-ESNSKVVFYDFLAQNKTD
g31650 g36600 g36820	: NWPVASEVIQVPTLPSL	
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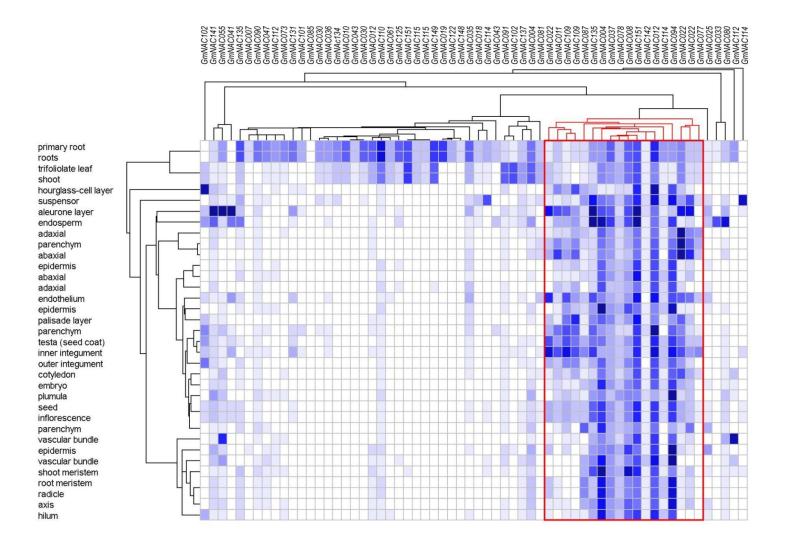
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Supplementary Figure S1.

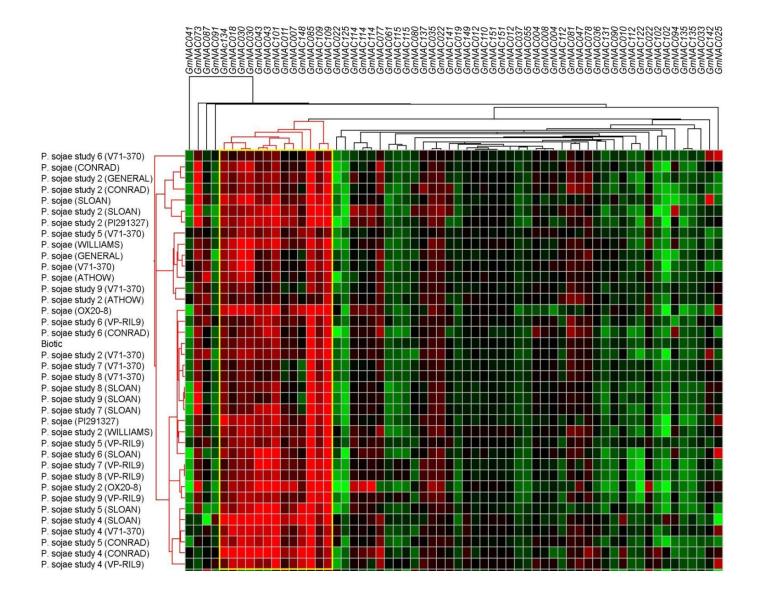
Identification of conserved NAC subdomains and putative nuclear localization signal in 152 identified GmNAC TFs by sequence analysis. Multiple alignment of 152 GmNACs and three representative ANACs. The consensus NAC subdomains (A E) are indicated by lines above the sequences. The putative nuclear localization signal is shown by a doubleheaded arrow below the sequence. NAC-like proteins lacking A and B subdomains and C and D subdomains are indicated by red-colored and green-colored lines, respectively, under the name of the proteins. NAC proteins lacking the conserved nuclear localization signal are indicated by red-colored asterisks next to the name of the proteins.



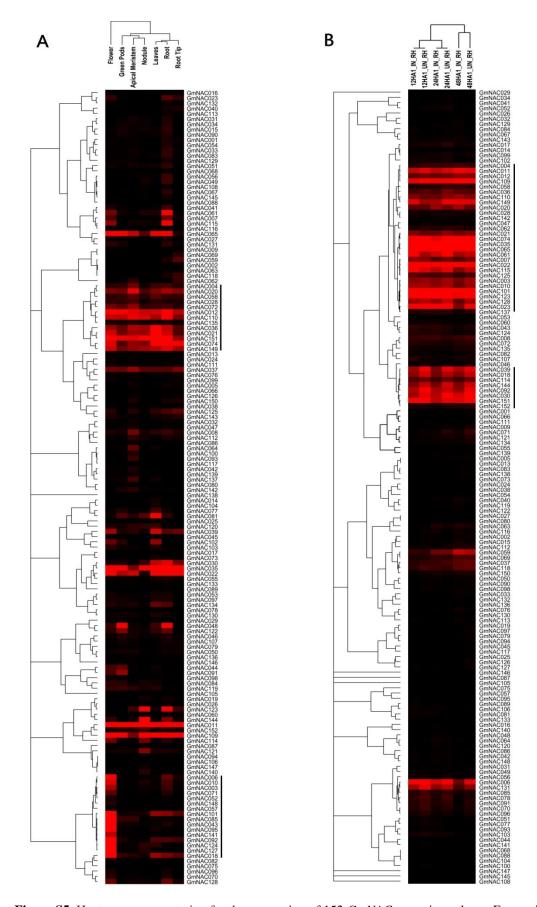
Supplementary Figure S2. Phylogenetic relationship of NAC proteins from *Arabidopsis* (yellow), rice (blue) and soybean (red). The unrooted phylogenetic tree was constructed using the full ORFs of NAC proteins. "A" indicates the unique subgroup of ONACs of rice.



Supplementary Figure S3. Heat map representation for tissue-specific expression of 48 *GmNAC* genes in soybean. Expression patterns of the *GmNAC* genes were analyzed using expression data housed within Genvestigator. Elevated expression levels are indicated by increasing intensities of blue color. A group of *GmNAC* genes that are ubiquitously expressed in the soybean tissues examined is boxed.



Supplementary Figure S4. Heat map representation for the expression of 48 *GmNAC* genes in soybean in response to *P. sojae* infection. Expression patterns of the *GmNAC* genes were analyzed by using expression data housed within Genvestigator. Elevated expression levels are indicated by increasing intensities of blue color. A group of *GmNAC* genes that are highly responsive to *P. sojae* infection in all of the examined conditions is boxed.



Supplementary Figure S5. Heat map representation for the expression of 152 *GmNAC* genes in soybean. Expression patterns of the *GmNAC* genes were analyzed using Illumina transcriptome data. The colors indicate expression intensity (red, high expression; green, low expression; grey, no expression). Lines shown next to the genes indicate clusters of genes which exhibit similar expression patterns. (A) Heat map representation for the expression of 152 *GmNAC* genes in seven different soybean tissues. (B) Heat map representation for the expression of 152 *GmNAC* genes in soybean root hairs (RH) in response to *B. japonicum* inoculation.