

XP\_644845.1 1 -----MDRRP[SKKKEE]IVNLELNK[LO]MIEMVDTSVN[TK]K[CF]OS[CI]TNE[IR]K[DD]DEE 53QLCVYK[CV]EKNMFFTSALNNH[MK]I[SN]EGMF-----  
gi|6912714|ref|NP\_036592 1 -----MAAQIPESDQIK[Q]K[EF]LGT[YN]K[ET]CF[LD]CVKDE[TR]EVK[PE] 45TRCSEH[CL]Q[MY]L[KMT]Q[RI]SMR[FO]EYHIQ[NE]ALAAKA  
gi|71982227 1 -----MTSEQNIQ[TR]DF[LT]QVNLVAB[OC]FNS[CV]NE[GS]R[TV]SGKE 41BSCANN[CL]DK[FL]KMT[QV]SQR[FO]EHL[LL]NAQ[ANG]AAM  
gi|17538524 1 -----MTSEQNIQ[TR]DF[LT]QVNLVAB[OC]FNS[CV]NE[GS]R[TV]SGKE 41BSCANN[CL]DK[FL]KMT[QV]SQR[FO]EHL[LL]NAQ[ANG]AAM  
Esi0075\_0052 1 -----MTPVQQD[FL]QHLES[O]R[KD]SL[AM]YN[LV]RC[FE]CSK[S]R[S]R[DD]DGE 49TK[IN]V[CA]EKF[K]L[TS]R[VA]LR[OD]IQ[Q]K[AK]D[A]AGV  
Cre01.g033400 1 -MNFPP[DS]VOD[PE]DAK[MAL]GAAL[RO]M[OV]R[DS]L[K]M[YN]K[LV]RC[FE]CV[ED]M[RS]K[A]L[TK]E 59E[OC]VSK[CC]E[K]M[HV]T[AR]V[G]M[R]E[PF]FS[Q]ME[Q]A[A]AAA  
Vocar20008734 1 -MNFPP[DS]VOD[PE]DAK[MAL]GAAL[RO]M[OV]R[DS]L[K]M[YN]K[LV]RC[FE]CV[ED]M[RS]K[A]L[TK]E 59E[OC]VSK[CC]E[K]M[HV]T[AR]V[G]M[R]E[PF]FS[Q]ME[Q]A[A]AAA  
gi|85080688 1 -----MDGLTAA[RS]ELD[QR]LQ[RO]K[RO]K[EF]MS[VFG]LVDN[CF]A[CV]DDE[TR]SK[LV]SGRE 52SG[IS]R[CV]L[K]SM[ST]Q[TR]L[GR]E[FG]E[L]N[A]M[TA]E[M]Q[R]R-  
YEL020W-A 1 -----MDALNSK[EQ]EFQ[VV]E[Q]K[M]D[FMR]Y[SN]L[VER]CF[LD]CVNDE[TR]SK[LV]TNKE 52Q[CI]M[K]C[SE]K[FL]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
CMR213C 1 -----MOASTAG[SA]ED[ER]EMMA[V]L[O]L[O]D[OD]SMR[Y]N[LV]Y[IC]F[NN]CV[DS]E[FR]SS[K]L[AK]E 56E[AC]VTR[CA]E[K]F[L]K[A]R[A]Q[OR]F[A]E[Q]Q[O]Q[FL]G[GS]D[GG]  
Medtr4g021710 1 MDKNI[FG]EVDN[PE]EDDK[RM]AM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[NN]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Glyma03g19460 1 MDKNI[IS]DLDN[PE]EDDK[RM]AM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[NN]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Eucgr.A01265 1 MDKNI[IG]LDSL[PE]EDDK[RM]SA[FV]D[RO]L[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
74249|74249 1 -----MEVAGM[A]EAD[DO]R[HA]G[M]I[D]L[O]A[RD]SL[RM]YNSL[VER]CF[GH]CV[DS]E[FR]SS[K]L[AK]E 54E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Potri.012G039100 1 MDKDM[MG]MEG[HS]KED[OT]R[M]SM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Bra039260 1 MDKNI[MG]G[HS]KED[OT]R[M]SM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Carubv10014995 1 MDANMM[AG]FDGL[PE]EDDK[RM]SA[FV]D[RO]L[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Bra027011 1 MDASMM[AG]FDGL[PE]EDDK[RM]SA[FV]D[RO]L[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Carubv10019530 1 MDASMM[AG]FDGL[PE]EDDK[RM]SA[FV]D[RO]L[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
AT3G46560 1 MDASMM[AG]FDGL[PE]EDDK[RM]SA[FV]D[RO]L[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Phpat.020G026400 1 ---MEPAD[FE]AL[PE]EDDK[RM]SM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[CH]CV[DS]E[FR]SS[K]L[AK]E 57E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Phpat.024G058800 1 ---MEPAD[FE]AL[PE]EDDK[RM]SM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[CH]CV[DS]E[FR]SS[K]L[AK]E 57E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
29977.t000006 1 MDKNI[MG]LDSL[PE]EDDK[RM]AM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Cucca.175450 1 MDKNI[ML]ADL[DSL]PEEDDK[RM]AM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
PGSC0003DMG400019201 1 MDKSM[MG]LDSL[PE]ADK[RM]AM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Glyma11g14830 1 MDKSM[ML]ADL[DSL]PEADK[RM]AM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
Glyma12g06770 1 MDKSM[ML]ADL[DSL]PEADK[RM]AM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
GRMZM2G144101 1 MDKSM[ML]ADL[DSL]PEADK[RM]AM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
LOC\_Os12g38310 1 MDKSM[ML]ADL[DSL]PEADK[RM]AM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
GSVIVG01024961001 1 MDKSM[ML]ADL[DSL]PEADK[RM]AM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-  
GSVIVG01034172001 1 MDKSM[ML]ADL[DSL]PEADK[RM]AM[IV]E[LO]Q[RD]SL[RM]YNSL[VER]CF[LD]CV[DS]E[FR]SS[K]L[AK]E 60E[TC]VLR[CA]E[K]F[L]K[HS]R[V]G[OR]F[OE]Q[NA]AL[Q]G[LG]R\*-

XP\_644845.1 85 ----- 84  
gi|6912714|ref|NP\_036592 83 GLLGQPR----- 89  
gi|71982227 79 ----- 78  
gi|17538524 79 KVENGKINKIQ---- 90  
Esi0075\_0052 87 QR\*----- 88  
Cre01.g033400 97 AAAGTGK\*----- 103  
Vocar20008734 80 ----- 79  
gi|85080688 89 ----- 88  
YEL020W-A 88 ----- 87  
CMR213C 94 AGGSSSSSSSDGSALSR 110  
Medtr4g021710 98 ----- 97  
Glyma03g19460 95 ----- 94  
Eucgr.A01265 96 ----- 95  
74249|74249 88 ----- 87  
Potri.012G039100 96 ----- 95  
Bra039260 94 ----- 93  
Carubv10014995 94 ----- 93  
Bra027011 94 ----- 93  
Carubv10019530 94 ----- 93  
AT3G46560 94 ----- 93  
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