

		10	20	30	40	50	60
AtPDR1	Sequence	-----	-----	-----	-----	METL	SRSLSKSLGE
AtPDR2	Sequence	-----	-----	IQTGEE	-----	DEEK	AT-----
AtPDR3	Sequence	-----	-----	-----	-----	-----	MAAASNGSEY
AtPDR4	Sequence	-----	-----	-----	-----	-----	-----MWN
AtPDR5	Sequence	-----	-----	G	-----	-----	-----
AtPDR6	Sequence	-----	-----	LGRDEDLV	RTMSGRGS LG	STSHRSLAGA	-----
AtPDR7	Sequence	-----	-----	D--YDPAH	AMSRGG--SM	RQTISRVS VK	-----
AtPDR8	Sequence	-----	-----	D--YNPNL	PPLGGGGVSM	RRSISRVS VR	-----
AtPDR9 ABCG37	Sequence	-----	-----	AHMGVA	DDIESLRVEL	AE-IGRSIRS	-----
AtPDR10	Sequence	-----	-----	-----	-----	-----	MAHYRVSS
AtPDR11	Sequence	-----	-----	MA A LGRDEDPV	GALSGRVSLA	STSHRSLVG	-----
AtPDR12	Sequence	-----	-----	EGT	-----	S	FHQASNSMRR
AtPDR13	Sequence	-----	-----	AQTG-E	-----	DVDK	AK-----
AtPDR14	Sequence	-----	-----	M T SQT D	-----	GVEF	AS-----
AtPDR15	Sequence	-----	-----	M T PQT D	-----	GVEF	AS-----
Potri.001G189500	Sequence	-----	-----	DGVERARA	SGRRSSHNSL	SRSISRSLSR	-----
Potri.002G188900	Sequence	-----	-----	AAPVTRND	HKTDSMRMEL	EESTEKSIMT	-----
Potri.002G189100	Sequence	-----	-----	AAPVTRND	HKTDSLRLMEL	EESTEKSIMT	-----
Potri.006G248500	Sequence	-----	-----	DGAG	-----	DI	YRVSSARLST
Potri.008G099000	Sequence	-----	-----	AQLAGP	DEIESFRIEL	AE-IERNIRT	-----
Potri.010G153600	Sequence	-----	-----	-----	-----	-----	-----
Potri.010G153700	Sequence	-----	-----	-----	-----	-----	-----
Potri.010G153800	Sequence	-----	-----	AQVAYS	DETESKKIDS	AE-LGGSIRT	-----
Potri.015G006000	Sequence	-----	-----	AQLAGP	DEIESFRIEL	AE-IGRSIRT	-----
		70	80	90	100	110	120
AtPDR1	Sequence	LLASNSN	-----	-----	-----	-----	N
AtPDR2	Sequence	SLEVE	-----	-----	-----	-----	F
AtPDR3	Sequence	FEFDVET	-----	-----	-----	-----	GRE
AtPDR4	Sequence	SAEN	-----	-----	A	-----	-----
AtPDR5	Sequence	-----S	-----	-----	-----	-----	SFR
AtPDR6	Sequence	ASKSFRDVFA	P-----	-----	-----	-----	PTDD
AtPDR7	Sequence	ASRNMED	-----	-----	-----	-----	-----
AtPDR8	Sequence	ASRNIED	-----	-----	-----	-----	-----
AtPDR9 ABCG37	Sequence	SFRRHTS	-----	-----	-----	-----	SFR
AtPDR10	Sequence	EVENIMN	-----	-----	-----	-----	RD
AtPDR11	Sequence	ASKSFRDVFM	P-----	-----	-----	-----	QTDE
AtPDR12	Sequence	NSSVWKKD	-----	-----	SG	-----	RE
AtPDR13	Sequence	SFQVE	-----	-----	-----	-----	F
AtPDR14	Sequence	RNTNE	-----	-----	-----	-----	-----
AtPDR15	Sequence	RNNLE	-----	-----	-----	-----	-----
Potri.001G189500	Sequence	ASWNMED	-----	-----	-----	-----	-----
Potri.002G188900	Sequence	SFHNHAP	-----	-----	SFIG	SAATN	C
Potri.002G189100	Sequence	SFHNHAP	-----	-----	SFIG	SAATN	C
Potri.006G248500	Sequence	SSNKWRN	-----	-----	SI	-----	PE
Potri.008G099000	Sequence	SFRSQVP	-----	-----	-----	-----	SFH
Potri.010G153600	Sequence	-----	-----	-----	-----	-----	M
Potri.010G153700	Sequence	-----	-----	-----	-----	-----	M
Potri.010G153800	Sequence	SFRSHEP	-----	-----	-----	-----	SFH
Potri.015G006000	Sequence	SFRSHVS	-----	-----	-----	-----	SFR
		130	140	150	160	170	180
AtPDR1	Sequence	HFSR	-----	RSG--ST	-----	-----	IDH
AtPDR2	Sequence	ASGNG	-----	-----	-----	-----	VD
AtPDR3	Sequence	SFARP	-----	SN--AET	-----	-----	VEQ
AtPDR4	Sequence	FSRS	-----	TSF	-----	-----	KDEIE
AtPDR5	Sequence	SSSSR	-----	NEHEDG	-----	-----	GIE
AtPDR6	Sequence	VFGRS	-----	DR	-----	-----	REE

AtPDR7	Sequence	IFNTS-----SRR--TKS--	-----VNE-----
AtPDR8	Sequence	IFSSG-----SRR--TQS--	-----VND-----
AtPDR9 ABCG37	Sequence	SSSSI-----YEVE--	-----GVN--D
AtPDR10	Sequence	RSHRK-----NE-----	-----EED-----
AtPDR11	Sequence	VFGRS-----ER-----	-----REE-----
AtPDR12	Sequence	IFSRs-----SR-----	-----EED-----
AtPDR13	Sequence	ACGNG-----	-----VDD-----
AtPDR14	Sequence	--NG-----	-----HDD-----
AtPDR15	Sequence	--NG-----	-----D-----
Potri.001G189500	Sequence	MFSVG-----RQSRRSN--	-----LVDE-----
Potri.002G188900	Sequence	DATSLSS-----	-----LEEN-----
Potri.002G189100	Sequence	DATSLSS-----	-----LEEN-----
Potri.006G248500	Sequence	VFSRS-----SR-----	-----DED-----
Potri.008G099000	Sequence	SVSNG-----SSEHI--	-----RDAD-----
Potri.010G153600	Sequence	DADSI-----	-----VEED-----
Potri.010G153700	Sequence	DADSI-----	-----VEED-----
Potri.010G153800	Sequence	SLSIG-----NANHR--	-----RNEN-----
Potri.015G006000	Sequence	SVSTV-----KSEHG--	-----RDAD-----

AtPDR1	Sequence	-----DEEA[K]L[LK]-----	-----T[A]L[ETIIHPHE]-----	-----DL-----
AtPDR2	Sequence	-----EEELR[Q]T[VER]-----	-----K[V]T[A]LAR-----	-----DEVS[ GK]-----
AtPDR3	Sequence	-----DEED[R]L[GR]-----S	-----QRQGTHNAIL[RSQTQTQT]-----	-----SGYADG[ NVVQT]-----
AtPDR4	Sequence	-----DEEE[R]L[LQR]-----	-----Y[S]I[RGIFRD]-----	-----MVG[ EP]-----
AtPDR5	Sequence	-----AEHA[Q]E[QR]-----	-----K[L]S[S]VDK-----	-----YGE[ T]-----
AtPDR6	Sequence	-----DDVE[R]L[LER]-----	-----Y[D]L[KGMLPQT]-----	-----MVNG[ KIGL]-----
AtPDR7	Sequence	-----DEEA[K]S[SK]-----	-----Y[N]L[S]S[MPELG]-----	-----EDDVY[ NQILN]-----
AtPDR8	Sequence	-----DEEA[K]L[LK]-----	-----Y[S]L[S]T[MINAVV]-----	-----EDDVY[ NQILMS]-----
AtPDR9 ABCG37	Sequence	-----HDAEYA[Q]E[ER]-----	-----I[V]K[M]S[T]LDD-----	-----GDESM[ T]-----
AtPDR10	Sequence	-----EEEA[KL]L[MEK]QR-----	-----L[P]YD[A]K[KAVLKG]-----	-----ITG[ GF]-----
AtPDR11	Sequence	-----DDME[R]L[ER]-----	-----D[L]K[KGMLPQT]-----	-----SANG[ KIEL]-----
AtPDR12	Sequence	-----DEEA[R]L[LK]-----	-----D[L]K[KGILTAS]-----	-----HAG[ GPI]-----
AtPDR13	Sequence	-----EEKLRSQ[TV]E[S]-----	-----E[E]I[T]A[LHT]-----	-----GDDSS[ D]-----
AtPDR14	Sequence	-----DDQLRSQ[TV]E[S]-----	-----E[E]I[T]A[FCK]-----	-----RDEK[ K]-----
AtPDR15	Sequence	-----GDQVRSQ[TV]E[S]-----	-----I[CK]I[T]A[FCK]-----	-----RDEQG[ K]-----
Potri.001G189500	Sequence	-----DEEA[K]L[LK]-----	-----Y[N]L[S]S[IIKSFV]-----	-----DTEDQGN[ KMLQH]-----
Potri.002G188900	Sequence	-----EDEIE[Q]L[ER]-----	-----E[R]L[S]S[FDK]-----	-----KEDGE[ G]-----
Potri.002G189100	Sequence	-----EDEIE[Q]L[ER]-----	-----E[R]L[S]S[FDK]-----	-----KEDGE[ G]-----
Potri.006G248500	Sequence	-----DEEA[K]L[LK]-----	-----Y[L]L[TRGILTE]-----	-----EEG[ KA]-----
Potri.008G099000	Sequence	-----DEDMLQ[TV]E[S]-----	-----E[E]I[T]A[FEE]-----	-----QDCTA[ ANGDA]-----
Potri.010G153600	Sequence	-----EGVH[Q]L[ER]-----	-----K[K]I[K]S[FEA]-----	-----SNAKD[ G]-----
Potri.010G153700	Sequence	-----EGVH[Q]L[ER]-----	-----AL[K]I[K]S[FEA]-----	-----SNAKD[ G]-----
Potri.010G153800	Sequence	-----EEDASQCL[T]E[ER]-----	-----S[E]I[S]T[A]SEE-----	-----KDGTN[ GKGD]-----
Potri.015G006000	Sequence	-----DEDVSQ[TV]D[ER]-----	-----E[E]I[A]T[A]FEE-----	-----QDGT[ GNGDV]-----

AtPDR1	Sequence	-----V[D]K[L]GVDD[K]Q[K]DSIF[V]TEED[E-KF]K[F]NR[DR]RIK[P]VE[ER]
AtPDR2	Sequence	-----GRVI[D]K[L]EGAE[K]RLL[EM]V[V]QIEDD[L-R]R[R]I[KR]DK[K]IE[P]VE[ER]
AtPDR3	Sequence	-----I[D]K[L]DRAD[K]EMLVRQALATSDQD[F-K]S[A]IKERLDR[MEVPKI]ER
AtPDR4	Sequence	-----KEI[Q]IGNLEASE[Q]RLLLD[R]VNSVENDPE-QFFARV[KR]FDA[DLKF]PKI[ER]
AtPDR5	Sequence	-----EKGKKVV[D]K[L]GAE[K]HLM[EK]I[H]IEND[L-K]K[K]I[RR]MER[VEFPSI]ER
AtPDR6	Sequence	-----EDV[D]K[L]NAPKE[K]KHLME[IL]FVEED[E-KF]RRL[R]ERTDR[IEVPKI]ER
AtPDR7	Sequence	-----KAV[D]K[L]DGEE[K]Q[K]DMVF[V]AEQD[E-RI]T[L]NR[DR]IQ[P]VE[ER]
AtPDR8	Sequence	-----KEV[D]K[L]DGED[K]Q[K]DMVF[V]AEQD[E-RI]T[L]NR[DR]IK[P]VE[ER]
AtPDR9 ABCG37	Sequence	-----EKGRRVV[D]K[L]GAVE[K]HLM[EK]I[H]IEND[L-K]K[K]I[RR]DR[MEP]IE[ER]
AtPDR10	Sequence	-----KEI[DMKD]LGLAE[K]REL[FDR]VMTMDDEDWHGEY[RRLK]S[FR]SLH[P]IE[ER]
AtPDR11	Sequence	-----EDI[DL]RLEPKDKKHLME[IL]SFVEED[E-KF]RDL[R]ERTDR[IEVPKI]ER
AtPDR12	Sequence	-----NEI[DIQ]LUGFQDTKKLLER[I]VGDDEHE-K[W]LKKR[DR]ID[P]IE[ER]
AtPDR13	Sequence	-----II[D]K[L]EDA[K]RLL[EK]V[V]QIADD[L-R]R[R]I[KR]DE[IEP]VE[ER]
AtPDR14	Sequence	-----KSQRRVM[D]K[L]S[DD]LD[K]RL[DD]I[IRH]VEND[H-V]Q[K]I[KR]DE[IDP]KI[ER]

AtPDR15	Sequence	---RSQRRVM	D	S	L	E	D	L	D	R	L	D	E	I	R	H	V	E	D	D	R	-V	Q	I	T	R	T	D	E	I	D	P	K	I	E	R				
Potri.001G189500	Sequence	-----KEV	D	R	L	D	I	N	E	R	Q	N	D	K	F	H	V	A	E	D	E	-K	Y	K	F	Q	R	V	D	K	I	R	P	I	E	R				
Potri.002G188900	Sequence	---EEGKRVV	D	S	L	E	A	L	E	R	H	V	I	V	D	K	I	H	I	E	E	D	-C	R	S	F	K	E	R	M	D	K	L	E	P	I	V	E	R	
Potri.002G189100	Sequence	---EEGKRVV	D	S	L	E	A	L	E	R	H	V	I	V	D	K	I	H	I	E	E	D	-C	R	S	F	K	E	R	M	D	K	L	E	P	I	V	E	R	
Potri.006G248500	Sequence	-----REI	D	I	M	N	L	G	L	V	E	K	R	D	L	L	E	R	V	I	A	E	D	E	-R	F	L	L	K	E	R	D	R	E	L	E	P	I	E	R
Potri.008G099000	Sequence	---KG-KTIV	N	S	L	G	A	Q	E	R	H	V	I	E	K	I	H	I	E	N	D	L	-R	R	R	L	K	Q	R	D	K	I	V	K	F	P	I	V	E	R
Potri.010G153600	Sequence	---E-GKKVT	D	S	L	G	A	A	E	R	H	L	I	E	K	I	N	H	I	E	N	D	L	-R	Q	N	L	E	R	E	R	I	M	K	P	I	V	E	R	
Potri.010G153700	Sequence	---E-GKKVT	D	S	L	G	A	A	E	R	H	L	I	E	K	I	N	H	I	E	N	D	L	-R	Q	N	L	E	R	D	R	I	M	K	P	I	V	E	R	
Potri.010G153800	Sequence	---MG-GKVV	N	A	L	R	A	Q	E	G	H	V	I	N	E	K	I	H	I	E	N	D	L	-R	Q	N	L	K	R	D	I	A	I	Q	P	I	V	E	K	
Potri.015G006000	Sequence	---KWGKRII	N	S	L	G	A	Q	E	R	H	M	I	E	K	I	H	I	E	N	D	L	-R	H	L	L	K	R	D	K	I	V	Q	P	I	V	E	R		

AtPDR1	Sequence	FEKVTIEIN	HIG-KRA	PT	PTAALNIAE	RGLRLG	FNF	TKTT	VTI	R	D	S	G	I	K	P	S	R				
AtPDR2	Sequence	FNNISTEE	QIH	KPIPI	MTIKGL	S	----	EFI-CS	KKET	KGI	K	G	S	G	I	V	R	P	G	R		
AtPDR3	Sequence	FENNIE	QAG-TRA	PT	VVSRDFFE	RCLSSL	RIIK	PRKH	LN	I	R	D	I	G	I	K	P	G	R			
AtPDR4	Sequence	FQNMIESFV	HIG-SRA	PT	IPFIINMAE	GLLRNI	HVIG	GKRN	LT	I	D	G	I	G	V	R	P	S	R			
AtPDR5	Sequence	EHGIEA	EVE	KAP	PSLKHVFL	DLL-KL	SGVR	TNEAN	KI	T	D	S	G	I	K	S	P	G	R			
AtPDR6	Sequence	ENSTEGDV	RSA-SRA	PT	FFVTLNTIE	SILGLF	HLLP	SKKR	EI	K	D	I	G	I	V	P	S	R				
AtPDR7	Sequence	YDHTKID	YTG-DRS	PS	LVAVRN	MG	E	AALGM	IGIRL	AKKA	QLT	I	K	D	S	G	I	V	P	S	R	
AtPDR8	Sequence	YHTIKID	YTG-NRS	PT	LVAVRN	MG	E	SALGM	IGIQF	AKKA	QLT	I	K	D	I	G	V	P	G	R		
AtPDR9 ABCG37	Sequence	ESKIVE	EVE	KAP	MTAKRV	S	ELV-KL	TGAK	THEA	LN	IIN	D	N	G	I	K	P	G	R			
AtPDR10	Sequence	FEDNITEA	YAG-STVP	VL	SYVNL	K	GIGT	KIRVLP	DRKKR	SI	N	D	S	G	I	K	P	G	R			
AtPDR11	Sequence	ENISTEGDV	RSA-SRA	PT	FFVTLNTIE	SILGFF	HLLP	SKRK	QI	K	D	I	G	I	V	P	S	R				
AtPDR12	Sequence	FDHKTIEV	HIG-SRA	PT	FVFISNFAD	KFLNTL	HLP	NRKK	FT	IIN	D	S	G	I	V	P	G	R				
AtPDR13	Sequence	FNDSTEE	QVH	KPIPI	MTIKGS	S	----	KFV-CS	KKET	KGI	K	G	S	G	I	V	R	P	G	R		
AtPDR14	Sequence	FSDFTIEE	EIV	KPIPI	MTAISKS	S	----	RFM-CS	NQAK	SI	K	G	S	G	I	R	P	K	R			
AtPDR15	Sequence	FSDFTIEE	EIV	KPIPI	MTAISKS	S	----	RFT-FS	KQED	SI	K	G	S	G	I	R	P	K	R			
Potri.001G189500	Sequence	FDHTIEID	HFG-TRA	PT	PTAARNMFE	SALGVV	GINL	AQRT	LT	I	K	D	S	G	I	V	P	S	R			
Potri.002G188900	Sequence	IRNSTEVEY	EIVH	KP	PT	MTLKTAFG	-----	-----	-----	-----	KI	K	N	N	G	I	K	P	S	R		
Potri.002G189100	Sequence	IRNSTEVEY	EIVH	KP	PT	MTLKTAFG	-----	-----	-----	-----	KI	K	N	N	G	I	K	P	S	R		
Potri.006G248500	Sequence	FEHNIEEA	YIG-SRA	PT	ILFSANM	E	GFLSFL	HLLP	SRKQ	FP	IIR	D	S	G	I	K	P	R	R			
Potri.008G099000	Sequence	IRNCIEE	ELVH	KP	PT	MTAKSL	S	GFA-SLS-CS	KRRT	AGI	K	D	A	G	G	L	K	P	G	R		
Potri.010G153600	Sequence	KNSTEE	EIVQ	KP	PT	MTASIASF	S	GFR-KIVRSK	PRET	SI	K	D	S	G	I	K	P	S	R			
Potri.010G153700	Sequence	KNSTEE	EIVQ	KP	PT	MTASIASF	S	GFR-KIVRSK	PRET	SI	K	D	S	G	I	K	P	S	R			
Potri.010G153800	Sequence	IRNVCEID	EIVR	KP	PT	MTAKSI	S	-----	-----	-----	-----	SI	I	K	D	S	G	I	K	P	G	R
Potri.015G006000	Sequence	KNCESE	EIVQ	KP	PT	MTAKSI	S	GIA-NLS-CS	KQRT	SI	I	K	D	S	G	I	V	P	G	R		

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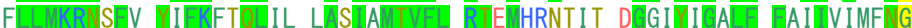




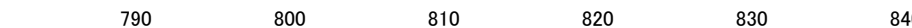



















Potri.010G153800	Sequence	-----	-----	-----	LL	LGPP	GK	LL	KALS	KPS	N	K	AGE	S
Potri.015G006000	Sequence	-----	-----	-----	LL	LGPP	GK	ML	ALS	K	S	H	K	AGEMS
			430	440	450	460	470	480						
AtPDR1	Sequence	YNGGEE	QKSYNQ	NDVHVGVI	QETDWR	GGTYD	L	LSLVRRED						
AtPDR2	Sequence	YNGCSSEI	EKSYNQ	NDHPELS	RETDSIC	GGISME	I	KEITMEL						
AtPDR3	Sequence	YNGENKIH	VKRSYNQ	TDNHIEL	RETDAIR	GGASEGFAGY		KDLTLLE						
AtPDR4	Sequence	YNGYDKI	APRSYVQ	QDWHVAE	QQTETAG	GGFKYD	M	LLLATTE						
AtPDR5	Sequence	YNGGNEV	QKSYNQ	HDHAEIT	REIDSR	GGERTD	I	MEVKRED						
AtPDR6	Sequence	YCGEFRE	QKCYNQ	HDHFGES	RESDSGR	GGTYQ	L	LTELRE						
AtPDR7	Sequence	YNGYRNE	IKSYNQ	NDHVGIT	KETDSR	GGTYD	L	LNELATRED						
AtPDR8	Sequence	YNGYQDE	RKSYNQ	NDHVGIT	KETDSR	GGTYD	L	LNELATRED						
AtPDR9 ABCG37	Sequence	YNGRDE	QKSYNQ	YDHAET	REVDWR	GGSTTD	I	MEVKRED						
AtPDR10	Sequence	YNGEHE	ERAGYDQ	YDHLPL	RETKSK	GGTYD	M	LALLRED						
AtPDR11	Sequence	YCGEFRE	QKCYNQ	HDHFGES	REIDSGR	GGTYQ	L	SELRE						
AtPDR12	Sequence	YNGGMNE	RRAYGQ	NDHGES	REFAYARF	GGTYD	M	LTLATTE						
AtPDR13	Sequence	YNGCLSEI	EKSYNQ	NDHPELS	RETDSIC	GGISME	I	KEITRED						
AtPDR14	Sequence	YNGLFSE	EKSYVQ	NDHPELS	RETDSGCF	GGTARLE	M	TKITRED						
AtPDR15	Sequence	YNGLFSE	EKSYVQ	NDHPELS	RETDSGCF	GGTARLE	M	KEITRED						
Potri.001G189500	Sequence	YNGYEFKE	RRSYNQ	NDHGES	KETDSR	GGTYD	L	LSLATRED						
Potri.002G188900	Sequence	YNGYKNE	QKSYVQ	YDQHSE	RETDSR	GGIGED	I	KEITRED						
Potri.002G189100	Sequence	YNGYKNE	QKSYVQ	YDQHSE	RETDSR	GGIGED	I	KEITRED						
Potri.006G248500	Sequence	YNGGME	RRSYNQ	FDHGES	RETSGR	GGTYE	M	LTELRE						
Potri.008G099000	Sequence	YNGSIE	QKSYVQ	HDHPE	REIDSR	GGISAD	I	MEVITRED						
Potri.010G153600	Sequence	YNGYKDE	QKSYNQ	YDHPES	REIDSH	GGISAD	I	LEVRED						
Potri.010G153700	Sequence	YNGYKDE	QKSYNQ	YDHPES	REIDSH	GGISAD	I	LEVRED						
Potri.010G153800	Sequence	YNGRDE	QKSYVQ	YDHPES	REVDSR	GGTQAE	I	LMITRED						
Potri.015G006000	Sequence	YNGKDE	QKSYVQ	YDHPES	REIDSR	GGTAE	I	MEVITRED						
			490	500	510	520	530	540						
AtPDR1	Sequence	ILIEVD	LFMKSIAAGN	VSSIDYT	RTGLDCK	DVGDIE	IR	GSGGKRRV						
AtPDR2	Sequence	QEIIDAVD	AMKITEVE	LNNIDYI	KGLDC	DRGDATP		GSGGKRR						
AtPDR3	Sequence	RIRSEID	AFMKIAVK	EHSVSDYV	KVGLDVCS	DMGNDMP		GVSGGKRRV						
AtPDR4	Sequence	IVDELD	IFMKSLALG	METSIVVEV	MKGLDTC	DILGDEIK		GSGGKRR						
AtPDR5	Sequence	GIIDIED	AMKIIVK	LRSIDYI	KGLDC	ETLIGNAKK		GSGGKRR						
AtPDR6	Sequence	IKDIED	AFMKSIAIS	QETSVIDYV	KLGLDC	DILGVDK		GSGGKRR						
AtPDR7	Sequence	IFEADV	LFMKSAAG	VSSIDYT	KGLDCK	DIGDDMP		GSGGKRRV						
AtPDR8	Sequence	IFEADV	LFMKSAAG	VNSVIDYT	KGLDCK	DIGDDMP		GSGGKRRV						
AtPDR9 ABCG37	Sequence	KIIDTEVD	AMKIIVE	LQRSIDYI	KGLDC	EILIGDVR		GSGGKRR						
AtPDR10	Sequence	LNIKDYLD	ALMKISVIK	HEYVVDYV	KVGLDC	DIGNHKK		GSGGKRRV						
AtPDR11	Sequence	EIKDKID	AFMKSIAIS	QETSVIDYV	KGLDC	DILAGDVR		GSGGKRR						
AtPDR12	Sequence	NIKDDID	IFMKMTAL	ETNVMYI	KGLEVC	DMGDDLF		GSGGKRRV						
AtPDR13	Sequence	KEIVDDID	AMKIIVE	LNSMIDYI	KGLDC	DRAGDASP		GSGGKRR						
AtPDR14	Sequence	KIVDDID	AMKASIE	STNIDYI	KGLTC	DRGDASP		GSGGKRR						
AtPDR15	Sequence	KIVDDID	AMKASIE	STNIDYI	KGLTC	DRGDASP		GSGGKRR						
Potri.001G189500	Sequence	IFEADV	LFMKITAME	VSSIDYT	KGLDCK	DIGDDIR		GSGGKRRV						
Potri.002G188900	Sequence	IVEDID	TMKITEVE	LRTIDYI	KGLDC	DMGDA		GSGGKRR						
Potri.002G189100	Sequence	IVEDVD	TMKITEVE	LRTIDYI	KGLDC	DMGDA		GSGGKRR						
Potri.006G248500	Sequence	NIKDDL	IMKIAALE	QETSVTYI	KTGLDC	DMGDEIR		GSGGKRR						
Potri.008G099000	Sequence	ILDDVD	AMKIIVE	LSTIDYI	KGLDCS	DIMGDA		GSGGKRR						
Potri.010G153600	Sequence	IVDDVD	TMKISAE	QRRNIDYV	KGLDMC	DIMGALR		GSGGKRR						
Potri.010G153700	Sequence	IVDDVD	TMKISAE	QRRNIDYV	KGLDMC	DIMGPLR		GSGGKRR						
Potri.010G153800	Sequence	ILQDLD	TMKGIEE	AITIDYV	EGLDC	DMGDT		GSGGKRR						
Potri.015G006000	Sequence	ILDSVD	AMKIIVE	LNSNIDYI	KGLDC	DMGDA		GSGGKRR						
			550	560	570	580	590	600						
AtPDR1	Sequence	TEE	MTMDEIST	GLDSSSTYQI	KKEIVRF	TDATVM	MLL	QPIPETELF						
AtPDR2	Sequence	TEELV	MTMDEISTN	GLDSSSTYQI	STGLA	AEATIM	SL	QPIPETELF						
AtPDR3	Sequence	TEET	MTMDEIST	GLDSSSTYQI	KIRNFV	MDATVM	ML	QPIPETELF						
AtPDR4	Sequence	TEELL	MTMDEISTN	GLDSSSTYQI	IMYMRHST	LEGTV	SL	QPSPEYELF						



AtPDR5	Sequence	TTAEVGGT	KSLMDEITN	GLDSSTAQI	IKS	QVAF	TNATVVFVLL	QPPESYDLF
AtPDR6	Sequence	TTAEVGGT	TLMDIEIT	GLDSSTTQI	CKFMR	LVF	ADVIMVLL	QPPEITELF
AtPDR7	Sequence	TTAEVGGT	TLMDIEIT	GLDSSTTQI	KS	QIVHL	TEATVIMLL	QPPEITDLF
AtPDR8	Sequence	TTAEVGGT	TLMDIEIT	GLDSSTTQI	KS	QIVHL	NEATVIMLL	QPPEITDLF
AtPDR9 ABCG37	Sequence	TTAEVGGT	KSLMDEITN	GLDSSTAQI	KS	QFAL	SSATVIMVLL	QPPESYDLF
AtPDR10	Sequence	TTAEVGGV	GFLMDNISD	GLDSSTTQI	KS	IKMIHV	FDKTAISLL	QPPPEITELF
AtPDR11	Sequence	TTAEVGGT	RLMDIEIT	GLDSSTTQI	CKFMR	LVF	SDVTMI	QPPEITELF
AtPDR12	Sequence	TTAEVGGT	RLMDIEIT	GLDSSTTYQI	NS	RNYV	FNGTAISLL	QPPEITNLF
AtPDR13	Sequence	TT-----A	TLMDIEIN	GLDSSTTQI	LS	QALF	AGATIT	QPPEITELF
AtPDR14	Sequence	TTAEVGGI	TLMDIEIN	GLDSSTTQI	LS	QFARL	SEGITIVLL	QPPEITELF
AtPDR15	Sequence	TTAEVGGI	TLMDIEIN	GLDSSTTQI	LS	QFARL	SEGITIVLL	QPPEITELF
Potri.001G189500	Sequence	TTAEVGGT	TLMDIEIT	GLDSSTTYQI	KT	HIVY	TEATITIVLL	QPPEITDLF
Potri.002G188900	Sequence	TTAEVGGT	KSLMDEITN	GLDSSTTQI	SM	QALF	TKSTMVLL	QPPEITDLF
Potri.002G189100	Sequence	TTAEVGGT	KSLMDEITN	GLDSSTTQI	SM	QALF	TKSTMVLL	QPPEITDLF
Potri.006G248500	Sequence	TTAEVGGT	RLMDIEIT	GLDSSTTQI	NS	RTTH	LNGTIT	QPPEITYDLF
Potri.008G099000	Sequence	TTAEVGGV	KSLMDEITN	GLDSSTTQI	MS	MHLAF	TDATVIMLL	QPPEITDLF
Potri.010G153600	Sequence	TTAEVGGT	QSLMDEIS	GLDSSTTQI	TS	QLVF	TDSTAISLL	QPPEITNLF
Potri.010G153700	Sequence	TTAEVGGT	QSLMDEIS	GLDSSTTQI	TS	QLVF	TDSTAISLL	QPPEITNLF
Potri.010G153800	Sequence	STAEVGGT	KSLMDEITN	GLDSSTTQI	SM	HLAF	TDATVIMLL	QPPEITDLF
Potri.015G006000	Sequence	TTAEVGGT	RLMDIEIN	GLDSSTLQI	IS	HLST	MDATVIMLL	QPPEITDLF

		610	620	630	640	650	660
AtPDR1	Sequence	DDVTLSEYQ	LYQTRDHI	TFFETGFR	PPDRKTAD	LQETSRDQ	EQYWADSKK
AtPDR2	Sequence	DDVTLGEK	IYATRAD	CRFFEFGR	PERKTAD	LQETISRDKQ	EQYWCHRDK
AtPDR3	Sequence	DDLTLSEY	MYQTRD	IAFFESLGR	LPPRKAD	LQETSRDKQ	AQYWADPSK
AtPDR4	Sequence	DDVTLSEYQ	IYQTRDE	DFFSSLGFT	PPDRKNAD	LQETSRDKQ	QQYWSVPFR
AtPDR5	Sequence	DDVTLAEK	LYQTRDD	KFFEEGFR	PERKTAD	LQETISRDKQ	GQYWLHQNL
AtPDR6	Sequence	DDVTLSEYQ	LYQTRDNI	EFFEYMGFR	PERKTAD	LQETSRDKQ	EQYWNRRCH
AtPDR7	Sequence	DDVTLSEYQ	LYQTRDHI	EFFESFGFR	PERKTAD	LQETSRDKQ	EQYVDPNR
AtPDR8	Sequence	DDVTLVSEYQ	LYQTRDNI	EFFESFGFR	PERKTAD	LQETSRDKQ	EQYVNPNR
AtPDR9 ABCG37	Sequence	DDMTAKR	LYQTRGE	NFFEDGFR	PERKTAD	LQETISRDKQ	AQYWWHEDL
AtPDR10	Sequence	DDVTLGEH	LYQTRD	EFFEFMGFR	PERKTADY	LQETISRDKQ	EQYWANPEL
AtPDR11	Sequence	DDVTLSEYQ	LYQTRDNI	EFFEYFGFR	PERKTAD	LQETSRDKQ	EQYWNKREQ
AtPDR12	Sequence	DDVTLAE	IYETRDH	VEFFETMGFR	PPRKAD	LQETSRDKQ	MQYWARRED
AtPDR13	Sequence	DDVTLGEK	IYATRAD	CKFFEGFR	PERKTAD	LQETISRDKQ	EQYWCHRSK
AtPDR14	Sequence	DDLTLGEK	IYQTRDF	CSFFEDGFR	PNRKS	AE	LQETISRDKQ
AtPDR15	Sequence	DDLTLGEK	IYQTRDFI	CSFFEDGFR	PQRKS	AE	LQETISRDKQ
Potri.001G189500	Sequence	DDVTLSEYQ	LYQTRDHI	AFFESGFR	PERKTAD	LQETSRDKQ	EQYWDNRNK
Potri.002G188900	Sequence	DDVTLAE	LYQTRDNI	EFFEYMGFR	PPRKAD	LQETISRDKQ	GQYWHKQK
Potri.002G189100	Sequence	DDVTLAEK	LYQTRDNI	EFFEYMGFR	PPRKAD	LQETISRDKQ	GQYWHKQK
Potri.006G248500	Sequence	DDVTLSDIL	LYQTRDNI	EFFESLGR	PERKTAD	LQETSRDKQ	EQYWSRDQ
Potri.008G099000	Sequence	DDVTLAEK	LYQTRSTI	SKFFEDGFR	PERKTAD	LQETISRDKQ	GQYWHRTQL
Potri.010G153600	Sequence	DDVTLAECK	LYQTRCSHA	QFFEDGFR	PQRKAAD	LQETISRDKQ	AQYWHADIL
Potri.010G153700	Sequence	DDVTLAEK	LYQTRCSHA	QFFEDGFR	PQRKAAD	LQETISRDKQ	AQYWHADIL
Potri.010G153800	Sequence	DDMTLAEM	VLYQTRSSI	CRFFEDSGFR	PERKEAD	LQETISRDKQ	RQYWYCTEQ
Potri.015G006000	Sequence	DDVTLTEK	LYQTRSSI	CKFFEDGFR	PERKTAD	LQETISRDKQ	GQYWFLEET

		670	680	690	700	710	720
AtPDR1	Sequence	YSIISSEIS	KRIRTFHVGA	NIEKDVIY	DRFKSPASL	VIKHVPIS	QIKVWDRE
AtPDR2	Sequence	YSIISDSI	NKIESNLGL	LKEEKKF	NKQTRDGL	CYKSLGK	MLKISRRE
AtPDR3	Sequence	QFIPSDIA	AARNSKYGH	AADSKAA	DKKSADPSL	CRTFAISG	NLIVFVRE
AtPDR4	Sequence	IRTPPGKA	EARSYPTGK	KAKKEVF	DKRFNSAL	STSQGVKKS	ELINFAWQ
AtPDR5	Sequence	HSFSDTSL	KRIRDLIGR	KIEEAKY	DIKTNDL	SNVSLPK	ELRISRE
AtPDR6	Sequence	ISYSHDS	SGNSFHAGQ	QASFRVY	DKAKTPAL	VTQKGISNK	DKKFDRE
AtPDR7	Sequence	IRIPSEIA	SSKRFHVG	KSNEDVIY	DKKSHAL	MDKIKIT	ELKSWDKE
AtPDR8	Sequence	IRIPSEIA	SRYSFHVGT	KMSNEAVF	DKRGHAL	VDKVSRR	ELKSWDKE
AtPDR9 ABCG37	Sequence	ISFSEMLS	KKIRDLSIGK	KIEDTKY	DRKSHNDL	SSVSLPN	ELIISRE
AtPDR10	Sequence	IRITAKKE	EGRIHHFGR	AMRSQATF	DRLKNRAL	TRTTGASL	ELKILERE
AtPDR11	Sequence	INISSDIS	SGSTFTTGQ	KTSFRVY	DKAKTSAL	VTQKGISNK	ELKIFDRE
AtPDR12	Sequence	IRFIRREIA	EAKQSFHVGR	RIGDEALF	DKTKSPAL	TTKKGVIK	ELVTSFSRE

AtPDR13	Sequence	
AtPDR14	Sequence	
AtPDR15	Sequence	
Potri.001G189500	Sequence	
Potri.002G188900	Sequence	
Potri.002G189100	Sequence	
Potri.006G248500	Sequence	
Potri.008G099000	Sequence	
Potri.010G153600	Sequence	
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Potri.010G153800	Sequence	
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AtPDR1	Sequence	
AtPDR2	Sequence	
AtPDR3	Sequence	
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AtPDR5	Sequence	
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AtPDR7	Sequence	
AtPDR8	Sequence	
AtPDR9 ABCG37	Sequence	
AtPDR10	Sequence	
AtPDR11	Sequence	
AtPDR12	Sequence	
AtPDR13	Sequence	
AtPDR14	Sequence	
AtPDR15	Sequence	
Potri.001G189500	Sequence	
Potri.002G188900	Sequence	
Potri.002G189100	Sequence	
Potri.006G248500	Sequence	
Potri.008G099000	Sequence	
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Potri.010G153800	Sequence	
Potri.015G006000	Sequence	
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AtPDR1	Sequence	
AtPDR2	Sequence	
AtPDR3	Sequence	
AtPDR4	Sequence	
AtPDR5	Sequence	
AtPDR6	Sequence	
AtPDR7	Sequence	
AtPDR8	Sequence	
AtPDR9 ABCG37	Sequence	
AtPDR10	Sequence	
AtPDR11	Sequence	
AtPDR12	Sequence	
AtPDR13	Sequence	
AtPDR14	Sequence	
AtPDR15	Sequence	
Potri.001G189500	Sequence	
Potri.002G188900	Sequence	
Potri.002G189100	Sequence	
Potri.006G248500	Sequence	
Potri.008G099000	Sequence	

Accession	Sequence	850	860	870	880	890	900
Potri.010G153600	Sequence	FAEGLSLVIR	AVQKLSF	YLTPWYAI	ASLTKPF	LLDIIIGI	IYYIGTSE
Potri.010G153700	Sequence	VAEGLSLVIR	AVQKLSF	YLTPWYAI	ASLTKPF	VLDLLIGI	IYYIGTSE
Potri.010G153800	Sequence	IPEHMLVSR	ASVYKDE	CYTPWYV	TATKVPPL	LVEAFVIT	IYYVGTSE
Potri.015G006000	Sequence	FPEHGMVSR	SSVYKHE	CYTPWYAI	SATKVPV	LLEAFVIA	IYYIGTSE

Accession	Sequence	910	920	930	940	950	960
AtPDR1	Sequence	GEIKKWKWA	YVTPMAYTY	DALTVNEM	FWINQPS-S	DNSTS-LA	VLEIFDIFTD
AtPDR2	Sequence	SSMAAWGW	YLPASYAE	GLTANEF	FWSVIS--	--SKTAEQ	MLDIRNFG
AtPDR3	Sequence	ADIKPWWVW	YVTPSYGQ	RAIAVNET	TRWMTPSA-I	SDTT--ILN	LLKLSFPTN
AtPDR4	Sequence	DSIKSWIWI	YVTPMYAQ	NAASVNEG	HNWQTAG--	NHTSDS-LA	LLKESSFSG
AtPDR5	Sequence	TDMAGWKW	YVNPISYAE	GLSVNEG	FWQMQP--	--TNVT-RT	ILETRINYD
AtPDR6	Sequence	DDIKSWTWC	YYTPMMYGQ	TALVINE-D	EWGSPNNDT	RINAKVIEV	LLKTRFFTE
AtPDR7	Sequence	SEIKVWWRWA	YVTPSYAF	NAITVNELF	FWMNKMS-G	-NSTTR-TS	VLNIWDVDD
AtPDR8	Sequence	GKIKDWWGWA	YVTPTYAF	NLLVNEMF	FWMNKMA-S	SNSTIK-TM	VLNTWDVYHQ
AtPDR9 ABCG37	Sequence	PSMAAWKW	YANPSYGE	GLSVNEG	FWNQMQP--	--NNFT-RT	ILQTRMDYN
AtPDR10	Sequence	NQVHKWTTWA	YTPPMYIQ	TAVSVNE-RS	ESWKDG---	-----VA	VLKTRFFVE
AtPDR11	Sequence	DDIRPMTWA	YTPPMYGG	TAIVMNE-D	EWSSPNYDT	RINAKVIEV	LLKTRFFTE
AtPDR12	Sequence	DDIKKWIWI	YVTPIMYGQ	NAILANEFG	HSWGRAV---	ENSSET-VT	FLKTRFLPH
AtPDR13	Sequence	SSMTWGW	YLPASYAE	GLTANEF	FWRLTS--	--GNIATAEQ	VLDVTRNFG
AtPDR14	Sequence	PSMTSWEW	YLPASYAE	GLTANEF	FWGITS--	--ENRTAEQ	VLDARTRNFG
AtPDR15	Sequence	PSMTSWEW	YLPASYAE	GLTSNEF	FWRLMTS--	--ENRTAEQ	VLDARTRNFG
Potri.001G189500	Sequence	GAIKDWGW	YVTPSYGF	NAIAVNEMS	FWMNKNS-S	DASTS-TA	VLKNFDVYTD
Potri.002G188900	Sequence	ASLSWRW	YLPAYAE	GLSLNEF	FWQVSS--	--SNITRK	ILETRIFYN
Potri.002G189100	Sequence	ASLSWRW	YLPAYAE	GLSLNEF	FWQVSS--	--SNITRK	ILETRIFYN
Potri.006G248500	Sequence	DNVKSWWIW	YVTPMYVQ	NAVSVNEG	NSWRHIP---	PSSTES-VT	LLKTRVFPE
Potri.008G099000	Sequence	PSMAAWQW	YVTPITYGE	GLTTNEF	FWELIVS--	--GNTTIQQQ	TLETRINFH
Potri.010G153600	Sequence	PSLTPWRW	YVTPMTYGE	GLITLNEF	FWKMLN--	--GNTMIANG	VLTHTINFE
Potri.010G153700	Sequence	PSLTPWRW	YVTPMTYGE	GLITLNEF	FWKMLN--	--GNTMIANG	VLTHTINFE
Potri.010G153800	Sequence	PSMTVWGW	YVTPAYGE	GLSLNEF	FWATVS--	--GNTTIQQQ	TLETRINFH
Potri.015G006000	Sequence	PAMVWAW	YVTPTYGE	GLTVNEF	FWELVVS--	--GYTSQQ	TLETRINFH

Accession	Sequence	970	980	990	1,000	1,010	1,020
AtPDR1	Sequence	PNWVWGVG	ILTVVGI	LVTILFIN	PLEKQQ-AVV	SKENTENRA	ENG-----
AtPDR2	Sequence	RHSWTAFG	IVVFLFA	LYVILVQN	NPQRSRAIIS	HEKYSRPIEE	DFKP-----

AtPDR3	Sequence	DWVWGIAV	IYAI	NV	PLRKAR-AVV	LDDPNEETA-	-----
AtPDR4	Sequence	NWVWGVA	LYIV	I	PWGKFQAVVS	REELDEREKK	RK-----
AtPDR5	Sequence	DMVWSLS	LLLI	IT	SPTSSRPMIS	QDKLSELQG-	---TKD----
AtPDR6	Sequence	PTWFVCI	LVV	F	PLGNSKATTV	VEEGKDKHKG	SH-----
AtPDR7	Sequence	KNWVGVIG	LVVI	G	PLGKAQ-AIL	PKEEDEEAKG	-----
AtPDR8	Sequence	KNWVSV	LCIA	LI	PLGKKA-GLL	PEEENEDADQ	GKDPMRR---
AtPDR9 ABCG37	Sequence	GMVWSLC	LVV	I	SPTSSRAMIS	QDKLSELQGT	EKSTED----
AtPDR10	Sequence	TWVWGLL	ILSI	ITS	QYGISKTAVL	PDEREEADSN	NT-----
AtPDR11	Sequence	PTWFVCI	LVSL	FYI	PLGNSKAT-V	VEEGKDKQKG	EN-----
AtPDR12	Sequence	AWVWGT	LVV	F	SLGK-PQAVI	AEEPASDETE	LQ-----
AtPDR13	Sequence	RHSWTAF	VV	VLF	NPQRSRAIVS	HGKNSQCSEE	DFKP-----
AtPDR14	Sequence	NQSWNAF	I	LF	TSQRSRVIVS	HEKNTQSSSE	DSK-----
AtPDR15	Sequence	NQSWNAF	I	LF	TSQRSRVIVS	HDKNTQSSSE	DSK-----
Potri.001G189500	Sequence	KNWVGTAL	IL	AV	PAGKSQ-AII	SEETTKERTR	STQ-----
Potri.002G188900	Sequence	EFVWPL	I	WI			
Potri.002G189100	Sequence	EFVWPL	I	WI			
Potri.006G248500	Sequence	ARWVGV	IYI	L	QRGK-----	-DSKTNSSAR	AP-----
Potri.008G099000	Sequence	GFVWSV	MLAL	I	PPGNSRAIIS	YERYQLQGR	KDDVDGF----
Potri.010G153600	Sequence	GFVWSL	F	I	Q-----		
Potri.010G153700	Sequence	GFVWSL	F	I	Q-----		
Potri.010G153800	Sequence	GFVWSV	I	L			
Potri.015G006000	Sequence	GFVWSV	I	M	PPGNSRAFI	SREKYNQLQGG	INDRDFF----

AtPDR1	Sequence	-----	-----	-----	-----	-----	-----
AtPDR2	Sequence	-----	-----	-----	-----	-----	-----
AtPDR3	Sequence	-----	-----	-----	-----	-----	-----
AtPDR4	Sequence	-----	-----	-----	-----	-----	-----
AtPDR5	Sequence	-----	-----	-----	-----	-----	-----
AtPDR6	Sequence	-----	-----	-----	-----	-----	-----
AtPDR7	Sequence	-----	-----	-----	-----	-----	-----
AtPDR8	Sequence	-----	-----	-----	-----	-----	-----
AtPDR9 ABCG37	Sequence	-----	-----	-----	-----	-----	-----
AtPDR10	Sequence	-----	-----	-----	-----	-----	-----
AtPDR11	Sequence	-----	-----	-----	-----	-----	-----
AtPDR12	Sequence	-----	-----	-----	-----	-----	-----
AtPDR13	Sequence	-----	-----	-----	-----	-----	-----
AtPDR14	Sequence	-----	-----	-----	-----	-----	-----
AtPDR15	Sequence	-----	-----	-----	-----	-----	-----
Potri.001G189500	Sequence	-----	-----	-----	-----	-----	-----
Potri.002G188900	Sequence	-----	-----	-----	-----	-----	-----
Potri.002G189100	Sequence	-----	-----	-----	-----	-----	-----
Potri.006G248500	Sequence	-----	-----	-----	-----	-----	-----
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Potri.010G153600	Sequence	-----	-----	-----	-----	-----	-----
Potri.010G153700	Sequence	-----	-----	-----	-----	-----	-----
Potri.010G153800	Sequence	-----	-----	-----	-----	-----	-----
Potri.015G006000	Sequence	-----	-----	-----	-----	-----	-----

AtPDR1	Sequence	-----	-----	-----	-----	-----	-----
AtPDR2	Sequence	-----	-----	-----	-----	-----	-----
AtPDR3	Sequence	-----	-----	-----	-----	-----	-----
AtPDR4	Sequence	-----	-----	-----	-----	-----	-----
AtPDR5	Sequence	-----	-----	-----	-----	-----	-----
AtPDR6	Sequence	-----	-----	-----	-----	-----	-----
AtPDR7	Sequence	-----	-----	-----	-----	-----	-----
AtPDR8	Sequence	-----	-----	-----	-----	-----	-----
AtPDR9 ABCG37	Sequence	-----	-----	-----	-----	-----	-----
AtPDR10	Sequence	-----	-----	-----	-----	-----	-----



AtPDR11	Sequence	-----SS SNKGPK-----	-----	---RG---PF QP SLAFNN NY F DMPSE
AtPDR12	Sequence	-----VE AGAN---K-----	-----	---RG---PF EPHS I FDN VYS DMPQE
AtPDR13	Sequence	-----CPEI TSRA---T-----	-----	---GKVI---PF KP V FQN QY I IETP---
AtPDR14	Sequence	-----I ASRF---N-----	-----	-----A---PF EP F FQD QY I IETP---
AtPDR15	Sequence	-----I ASHS---N-----	-----	-----A---PF EP F FQD QY F IETP---
Potri.001G189500	Sequence	-----GNAD SIEAANGVAP K-----	-----	---RG---PF SP AMS FDSM NY F DMPPE
Potri.002G188900	Sequence	-----	-----	---E I I---PF EPI I ISFQNM QY F DTPKIL
Potri.002G189100	Sequence	-----	-----	---E I I---PF EPI I ISFQNM QY F DTPKIL
Potri.006G248500	Sequence	-----GD ANQN---K-----	-----	---RG---PF QP SI F FEEI RYS DMPQE
Potri.008G099000	Sequence	KKLHSANE-S SPGP---K-----	-----	---GR---PF EP VM F FKD QY F DTPLE
Potri.010G153600	Sequence	-----	-----	---M---PF VP M F FKD RY F DTPPE
Potri.010G153700	Sequence	-----	-----	---M---PF VP M F FKD RY F DTPPE
Potri.010G153800	Sequence	-----	-----	---CE A---PF EP M F FKD RY F DTPLE
Potri.015G006000	Sequence	MTLTAAPAKS STET---K-----	-----	---GR---PF EP M F FTD QY F DTPLE

AtPDR1	Sequence	KEE VSKDK	LLLEKVV	V R G L T L L G	SGAGKTTL	DVL AGRK	G Y EGD R G
AtPDR2	Sequence	-----QG---TR	LLLSI	L K G L T S L G	SGAGKTLL	DVL SGRK	R G I KGE KVG
AtPDR3	Sequence	RS VPETR	LLLSNVSV	S G L T L V G	SSGAGKTTL	DVL AGRK	G Y T EGD R G
AtPDR4	Sequence	KEE ILEDR	LLLVNI	R G L T L V G	SGAGKTTL	DVL AGRK	G T EGDVY G
AtPDR5	Sequence	KG YNE---K	LLSEI	R G L T L L G	ISGAGKTLL	DVL AGRK	S G Y EGE R G
AtPDR6	Sequence	KAG VEGDR	LLLR V G	R G L T L V G	SGAGKTTL	DVL AGRK	G YV EGS N G
AtPDR7	Sequence	RED VQETR	LLKGV	S R G L T L L G	SGAGKTTL	DVL AGRK	G Y EGDV V G
AtPDR8	Sequence	RD V TETR	LLKGV	R G L T L L G	SGAGKTTL	DVL AGRK	G Y EGDV R G
AtPDR9 ABCG37	Sequence	RD V YDQ---K	LLLSI	R G I L T L L G	SGAGKTLL	DVL AGRK	S G Y EGD R G
AtPDR10	Sequence	KEK IRENK	VLLNGLS	R G L T L L G	SGAGKTTL	DVL AGRKNTG	Y QGE YV G
AtPDR11	Sequence	KAG VEGDR	LLLR V G	R G I L T L V G	SGAGKTTL	DVL AGRK	G Y EGS S G
AtPDR12	Sequence	I E E TQEDR	VLLKGVN	R G L T L L G	SGAGKTTL	DVL AGRK	G Y DGN T G
AtPDR13	Sequence	-----QG---TR	LLLF I	L K G L T S L G	SGAGKTLL	DVL SGRK	R G I KGE KVG
AtPDR14	Sequence	-----QG---K	LLLSGV	K G L T L L G	SGAGKTLL	DVL SGRK	F G D KQG EVG
AtPDR15	Sequence	-----QG---K	LLLSV	K G L T L L G	SGAGKTLL	DVL SGRK	R G D KQG EVG
Potri.001G189500	Sequence	KEE VPEDR	LLLREV	R G L T L L G	SGAGKTTL	DVL AGRK	G Y EGE K G
Potri.002G188900	Sequence	RKR L PQR	LLH I	R G I L T L L G	SGAGKTTL	DVL SGRK	G I EGE R G
Potri.002G189100	Sequence	RKR L PQR	LLH I	R G I L T L L G	SGAGKTTL	DVL SGRK	G I EGE R G
Potri.006G248500	Sequence	KAG I PEDR	ELLKGV	S R G L T L L G	SGAGKTTL	DVL SGRK	G Y DGR S G
Potri.008G099000	Sequence	RKR V LQ---K	LLLSI	R G I L T L L G	SGAGKTTL	DVL SGRK	G T EGE R G
Potri.010G153600	Sequence	KRH FSE---K	LLLSI	K G L T L L G	SGAGKTTL	DVL SGRK	G I EGD R G
Potri.010G153700	Sequence	KRH FSE---K	LLLSI	K G L T L L G	SGAGKTTL	DVL SGRK	G I EGD R G
Potri.010G153800	Sequence	RKR F PQR	LLLSI	R G I L T L L G	SGAGKTTL	DVL SGRK	G T EGE R G
Potri.015G006000	Sequence	RKR NQQ---K	LLLSI	K G I L T L L G	SGAGKTTL	DVL SGRK	G T EGE R G

AtPDR1	Sequence	F K R Q E	E R S G Y	E Q N D	H S P Q V T	K E S	I I S A F L R L	K E V T K Y E	R M R	G D E V M E L V E
AtPDR2	Sequence	F K V Q E	E R S G Y	E Q F D	H S P N I T	E E S	K I S A L R L	Y N D S K	K N E	L K E V L E T V E
AtPDR3	Sequence	H K E Q Q	E R S G Y	E Q N D	H S P Q V T	E E S	W F S A S L R L	K E T K E Q	K E	E Q V M R L V E
AtPDR4	Sequence	F K R Q E	E R S G Y	E Q N D V	H S P C L T	V E S	L F S A C L R L	A D D S E	Q R A	H E V M E L V E
AtPDR5	Sequence	F L K V Q E	E R S G Y	E Q T D	H S P S I T	E E S	I I S A L R L V	P E N P Q	I R A	K Q V L E T I E
AtPDR6	Sequence	F K N Q A	E R S G Y	E Q N D	H S P H V T	Y E S	I I S A L R L S	A D D T K	I R E M	E E V M E L V E
AtPDR7	Sequence	F K K Q E	E R S G Y	E Q T D	H S P Q V T	R E S	I F S A F L R L A	K E V S K E D	L M	D Q V M E L V E
AtPDR8	Sequence	F K V Q E	E R S G Y	E Q T D	H S P Q V T	R E S	I F S A F L R L	K E V G K D E	K M M	D Q V M E L V E
AtPDR9 ABCG37	Sequence	F K V Q E	E R S G Y	E Q T D	H S P N I T	E E S	V I S A L R L A	P E D A T	K T K	K Q V L E T I E
AtPDR10	Sequence	F K K Q D S	E R S G Y	E Q S D	H S P L L T	Y E S	L I S A L R L	P D D T H	I R E L	I E E V M E L I E
AtPDR11	Sequence	F K N Q T	E R S G Y	E Q N D	H S P H V T	Y E S	I I S A L R L S	T D D I K	I R E L	E E V M E L V E
AtPDR12	Sequence	F K N Q Q	E R S G Y	E Q T D	H S P H V T	Y E S	V I S A L R L	K E V D K N K R K I		I E E V M E L V E
AtPDR13	Sequence	F K V Q E	E R S G Y	E Q F D	H S P N I T	E E S	K I S A L R L	Y N D A K	K N E	L K E V L E T V E
AtPDR14	Sequence	F V K V Q D	E R S R S G Y	E Q F D	H S P N L T	Q E S	K I S A L R L T	S N S S E	K S A	I N E V L E T I E
AtPDR15	Sequence	F V K V Q D	E R S R S G Y	E Q F D	H S P N L T	Q E S	K I S A L R L	C N S S E	K S A	I N E V L E T I E
Potri.001G189500	Sequence	F K K Q E	E R S G Y	E Q N D	H S P Q V T	K E S	I I S A F L R L	K E V S K Q E	K M I	D E V M E L V E
Potri.002G188900	Sequence	F K A K I Y	E R S G Y	E Q T D	H S P Q I T	E E S	V M I S A L R L	A Q D N R	R S E	A E V I E M I E
Potri.002G189100	Sequence	F K A K I Y	E R S G Y	E Q T D	H S P Q I T	E E S	V M I S A L R L	A Q D N R	R S E	A E V I E M I E

Potri.006G248500	Sequence	AKNQGRSGYEQTDHSPHVTYESVISA LRLSPDVSEIRKMIEEVMELVE
Potri.008G099000	Sequence	KVQDGRSGYEQADHSPQITIEESVVFSA LRLSVLPKIRFDFNEVLETIE
Potri.010G153600	Sequence	KVQQGRSGYEQNDHSPQITIEESIVISA LRLPEIDEQIKSRIEEVIETIE
Potri.010G153700	Sequence	KVQQGRSGYEQNDHSPQITIEESIVISA LRLPEIDEQIKSRIEEVIETIE
Potri.010G153800	Sequence	KVQDSGRVSGYEQTDHSPQITIEESVISA LRLPEIDTKIKYEINQVLETIE
Potri.015G006000	Sequence	LKVQDSGRSGYEQTDHSPQITIEESVISA LRLPENARIKTEINEVIDIIE
		1,2701,2801,2901,3001,3101,320
AtPDR1	Sequence	LESLDAVGLG GITGSEQRKR T AVELV NPS FDEPTGLD R AAAIVMRT R
AtPDR2	Sequence	LDDKDAVGLG GITGSEQRKR T AVELV NPS FDEPTGLD R AAAIVMR R
AtPDR3	Sequence	LDTLRYAGLG GITGSEQRKR T AVELV NPS FDEPTGLD R AAAIVMRT R
AtPDR4	Sequence	LTSLSGAGLG VDGSEQRKR T AVELV NPS V FDEPTGLD R AAAIVMRT R
AtPDR5	Sequence	LEEKDAVGVAGV GSEQRKR TVAVELV NPS FDEPTGLD R AAAIVMR R
AtPDR6	Sequence	LKPLRN I GLG VDGSEQRKR T AVELV NPS FDEPTGLD R AAAIVMRT R
AtPDR7	Sequence	LVDLRDAI GLG VTGSEQRKR T AVELV NPS FDEPTGLD R AAAIVMR R
AtPDR8	Sequence	LDSL RDI GLG VTGSEQRKR T AVELV NPS FDEPTGLD R AAAIVMR R
AtPDR9 ABCG37	Sequence	LDEKDSGLVTGV GSEQRKR T AVELV NPS FDEPTGLD R AAAIVMR R
AtPDR10	Sequence	LKALREMGLYVG I GSEQRKRMT AVELV NPS L FDEPTGLD R AAAIVMRT R
AtPDR11	Sequence	LKPLRN I GLG VDGSEQRKR T AVELV NPS FDEPTGLD R AAAIVMRT R
AtPDR12	Sequence	LTPLRQAGLG GE GSEQRKR T AVELV NPS FDEPTGLD R AAAIVMRT R
AtPDR13	Sequence	LEDKDMGLG I GSEQRKR T AVELVSNPS FLDEPTGLD R AAAIVMR R
AtPDR14	Sequence	LEEKDI GL IGI GTEQRKR T AVELVSNPS FDEPTGLD R AAAIVMR R
AtPDR15	Sequence	LEEKDSGLVGI GVTAEQRKR T AVELVSNPS FDEPTGLD R AAAIVMR R
Potri.001G189500	Sequence	LNNLDAVGLG GITGSEQRKR T AVELV NPS FDEPTGLD R AAAIVMRT R
Potri.002G188900	Sequence	LGERDEGLIGV GISEQRKR T AVELVSNPSV FDEPTGLD R AAAIVMRVAK
Potri.002G189100	Sequence	LGERDEGLIGV GISEQRKR T AVELVSNPSV FDEPTGLD R AAAIVMRVAK
Potri.006G248500	Sequence	LNPLREAGLG VDGSEQRKR T AVELV NPS FDEPTGLD R AAAIVMR R
Potri.008G099000	Sequence	LDGKDSGLIG I GSEQRKR T AVELVSNPS FDEPTGLD R AAAIVMR AK
Potri.010G153600	Sequence	LHDKFSGLIGR GSEQRKR T AVELVSNPS FDEPTGLDSR AAAIVMR R
Potri.010G153700	Sequence	LHDKFSGLIGR GSEQRKR T AVELVSNPS FDEPTGLDSR AAAIVMR R
Potri.010G153800	Sequence	LDEKDSGLIG I GSEQRKR TVAVELV NPS FDEPTGLD R AAAIVMRV R
Potri.015G006000	Sequence	LDEKDSLAGMGV GSEQRKR T AVELV NPS FDEPTGLD R AAAIVMR AK
		1,3301,3401,3501,3601,3701,380
AtPDR1	Sequence	NTDT RTCTIHQPSIDFESFDEL L LKRGGQV YAGG G N H K I EYFQA H I
AtPDR2	Sequence	NVAET RTCTIHQPSIDFETFDEL I KRGGQLV YYGPG N S K V EYFESFS L
AtPDR3	Sequence	NTDT RTCTIHQPSIDFESFDEL L KRGGQV YYGK G T H Q V L V D Y F Q G N
AtPDR4	Sequence	NI NT RTI CTIHQPSIDFESFDEL F LKRGGEL YAGG K C E L KYFES E I Q
AtPDR5	Sequence	NVAET RTI CTIHQPSIH FESFDEL V LKRGGRM YSGG H S C V EYFQN P I A
AtPDR6	Sequence	NTDT RTCTIHQPSIDFESFDEL L KRGGQV YAGT G H H Q V L V EYF E A E
AtPDR7	Sequence	NTDT RTCTIHQPSIDFESFDEL L KRGGHV YSGG R N H V V EYFESFP
AtPDR8	Sequence	NTDT RTCTIHQPSIDFESFDEL M KRGGQV YAGG N H V V EYFESFP S
AtPDR9 ABCG37	Sequence	NVADT RTI CTIHQPSIDFESFDEL V LKRGGRM YTG G H R H I EYFESVPEI
AtPDR10	Sequence	NTDT RTCTIHQPSIDFESFDEL F L T R G G E E Y V G I G H H S Q L EYFEG R I G
AtPDR11	Sequence	NTDT RTCTIHQPSIDFESFDEL L KRGGQV YAGS G H H Q V L V EYF E A V E
AtPDR12	Sequence	NTDT RTCTIHQPSIDFESFDEL F LKRGGEE YVG G H E T H L N Y F E S Q I N
AtPDR13	Sequence	NVAET RTCTIHQPSIDFETFDEL I K D G G Q L V Y Y G G K H S K V K Y F E S P
AtPDR14	Sequence	NIAET RTCTIHQPSIDFESFDEL I KRGGKI YYG G H S K V EYFMR H
AtPDR15	Sequence	NIAET RTCTIHQPSIDFESFDEL I KRGGKI YYG G H S K V EYFMS P
Potri.001G189500	Sequence	NTDT RTCTIHQPSIDFESFDEL L KRGGQAI YSGG R N H K I EYF E A P
Potri.002G188900	Sequence	NI NT NRT CTIHQPSIDV FESFDEL I KRGGQI YSGE G N S K L EYFEG H
Potri.002G189100	Sequence	NI NT NRT CTIHQPSIDV FESFDEL I KRGGQI YSGE G N S K L EYFEG H
Potri.006G248500	Sequence	NTDT RTCTIHQPSIDF D FDEL F LKRGGEE YVG V G R H A C H L K Y F E E
Potri.008G099000	Sequence	NI ET RT I CTIHQPSIDFESFDEL I K T G G R L Y S G Q G R S A L EYF E K P
Potri.010G153600	Sequence	NV AT RTT CTIHQPSIDV FESFDEL I KRGGMI YSGM G H H C K L EYFEG S
Potri.010G153700	Sequence	NV AT RTT CTIHQPSIDV FESFDEL I KRGGMI YSGM G H H C K L EYFEG S
Potri.010G153800	Sequence	NI ET RTI CTIHQPSIDFESFDEL I K I G G R I Y S G G R S K V EYFEN P
Potri.015G006000	Sequence	NI ET RTCTIHQPSIDFESFDEL I K I G G R I Y S G G G S R V EYFES P
		1,3901,4001,4101,4201,4301,440

AtPDR1	Sequence	KLEKNPAAWLESTMAAEAKRIDEHLKTSSTQQANNKEETPQIASDY
AtPDR2	Sequence	KQKNCPAAWILDITKAEKIDISQSKDSTKQKMMVIEQSSASLLEAAR
AtPDR3	Sequence	PISSGNPAWLETPALAEKYNMEIDLYKSDQFREVEANIQSVPEIEPIS
AtPDR4	Sequence	KLPGHNPAAWLDITASTEHRIVDIEIYRNSNCQRKEIEVKSNIAKEIE
AtPDR5	Sequence	KLRDKNPAAWLETSSEVETEIMDKINESDKNISEIEVKDHLSDHI
AtPDR6	Sequence	KLDGNPAWLDITPMESQMSVDLQIFVNSSVNRRNQEIKEETPPINDY
AtPDR7	Sequence	KPEKNPAAWLEASLAAELKIVDELIKASACQRKAQIEVPPQATDY
AtPDR8	Sequence	KPEKNPAAWLEASLAAELKISVDLIKNSAHQRRKAQIEVPAIASDY
AtPDR9 ABCG37	Sequence	KLDNHNPAWLDISTQVIEIVDKIHDSAKRISEKQSQDSISDIQ
AtPDR10	Sequence	KLEGNPAAWLETRAQEDVVTQVKKSNRRKDIKEINNIPPHAQDIH
AtPDR11	Sequence	KNDGNPAWLDITPMESQMSLDLQIFSNSSRRNQEIIDETPPKDVY
AtPDR12	Sequence	KTEGNPAWLESTTQAAIVDQVKNSEKRRKEIEVQAPKDY
AtPDR13	Sequence	KVQKNCPAAWLDITCKAEHRIMDKAKDSTKEKMMVIEQSSASLLEAS
AtPDR14	Sequence	KLENSNPAAWILDITKESDKIVDLQMEESTFKEKMMVIEQTRCTSLIERIL
AtPDR15	Sequence	KLENSNPAAWILDITKESDKIVDLHIIEESTFKEKMMVIEQTRCTSLIERIL
Potri.001G189500	Sequence	KLEKNPAAWLESTVAAEVRIMDEQRSSSHQRKAQKEETPPATNY
Potri.002G188900	Sequence	KLENHNPAWLESGSMEARLDNLNRDSHFQKKEEARGLKEKEH
Potri.002G189100	Sequence	KLENHNPAWLESGSMEARLDNLNRDSHFQKKEEARGLKEKGH
Potri.006G248500	Sequence	KLDGNPAWLETSAAQAVINDNTDIFKNSERRKAIEEAAPPKDY
Potri.008G099000	Sequence	KLDNNPAAWLETSQAIAEIVDGGIIEGSTKERKIEQSSKTPKDH
Potri.010G153600	Sequence	KLDNNPAAWLETSASMESEELDKLIKESPTQETTEQQNKPPIRDQ
Potri.010G153700	Sequence	KLDNNPAAWLETSASMESEELDKLIKESPTQETTEQQNKPPIRDQ
Potri.010G153800	Sequence	KLNRRNPAAWLESTKTAADIVDGEAIEGSTKEKEIEQSSTPKDH
Potri.015G006000	Sequence	KLDNNPAAWLETSQAIAEIVDGRIEGSTKEIEDKQSSTPKEH

		1,450	1,460	1,470	1,480	1,490	1,500
AtPDR1	Sequence	SIRISLLG	QKSGWKW	ITWRTDVA	ARFFTLAA	AVMLSIK	VITREAND
AtPDR2	Sequence	PSQSITAV	QLKSGWKH	YTWNSHIT	TRIVILLD	STLCLLW	KAEDINQDD
AtPDR3	Sequence	TSRYSNQLS	QLLQWKN	LVWRSER	IVRLVTTIA	AFILTVND	ISRTSSDD
AtPDR4	Sequence	PIRYSGLYS	QVFGWKN	LSTWNPQT	AVRFFYTVDI	SMLTICK	FSDRTQIQ
AtPDR5	Sequence	KRTAINWE	QKSGWKMS	LSTWRSST	MRIGHTFIS	SFILLNN	QKIDTQIN
AtPDR6	Sequence	RKYAPFST	QTAFWKMY	WNRYQNA	IRFLMTVVI	GVLILLW	TTRKEED
AtPDR7	Sequence	AIQSNTTG	QKSGWKW	WTWRSDVA	VRFITLAT	SMTSVNG	IGRNVDD
AtPDR8	Sequence	AIQSNTTG	QKSGWKW	WTWRSDVA	VRFITLAT	SLLITVNG	IGNRSAGD
AtPDR9 ABCG37	Sequence	KRTAISWG	QKSIWKMN	LSTWRSST	MRMMHTLVS	SIIALK	QONLDTQIS
AtPDR10	Sequence	SKYSYLS	QQSGWKH	KYWNVP	AVRFSGA	AVGIMYIIS	LKRKGTRDD
AtPDR11	Sequence	KIKYASFST	QTAFKKY	WYWHQNA	IRFLMTVVI	GVLILLW	ITTEED
AtPDR12	Sequence	PIQYSFLT	QCMSSWKH	WYWNPT	AVRFLTIGI	AMTMTND	LGTKTRDD
AtPDR13	Sequence	PSRYSITG	QLKSGWKH	GYWNSHIT	TRIVILLN	SLCSLLW	KAKDINQDD
AtPDR14	Sequence	SSRYATSIE	QKSGWKH	LSTWNSST	TRIIISFT	CMLCILW	KAKEINQDD
AtPDR15	Sequence	SSRYATSIE	QKSGWKH	LSTWNSST	TRIIISFT	CMLCILW	KAKEINQDD
Potri.001G189500	Sequence	AIQYESAAG	QKSGWKW	WTWRSDVA	VRYFTLVC	AMVSIK	VITRDSSSD
Potri.002G188900	Sequence	STRPNAIE	QKSGWKH	LSTWRSST	VRLIIVS	SIIALLW	KQKNGEED
Potri.002G189100	Sequence	STRPNAIE	QK-----	-----SKY	VRLIIVS	SIIALLW	KQKNGEED
Potri.006G248500	Sequence	PIRYSFFT	QCMSSWKH	WYWNPT	AVRLSTTVI	AMTINN	LSRNRKDD
Potri.008G099000	Sequence	PIQSNGIE	QLKSGWKN	LSTWRSST	LRISISSG	ALLVLLW	QKNINQDD
Potri.010G153600	Sequence	SIPPSRIE	QTSGWKH	LSTWRSST	SRFIVMIVA	SLLIVW	KKEINEDD
Potri.010G153700	Sequence	SIPPSRIE	QTSGWKH	LSTWRSST	SRFIVMIVA	SLLIVW	KKEINEDD
Potri.010G153800	Sequence	PICPNGIE	QLKSGWKH	LSTWRSST	LRIVMSFG	ALLLLW	QKNINQDD
Potri.015G006000	Sequence	PIRPPNGIE	QLKSGWKN	LSTWRSST	VRIVMSSG	ASLLLYW	QKCKEED

		1,510	1,520	1,530	1,540	1,550	1,560
AtPDR1	Sequence	TKVIGALYAALFVIVNSISQILIVEISITREKAEYSLP--LGVCGEFY					
AtPDR2	Sequence	ISIFGTYTLVFPMMNAALINFIARNTYREFRYSWATSFSGLIEVY					
AtPDR3	Sequence	ITVMGALISACLFIVSAISQIISIERITREKAAVAPIP--AGGLVEFY					
AtPDR4	Sequence	AMGALYAALFIITTAATAQVVSIEFISREKAAEYSLPF--FGFLIEFY					
AtPDR5	Sequence	TVLGAIYGLLFVIVNNTSALQYFETENIMREFRYSYFAY--LGVTEFY					
AtPDR6	Sequence	NFFGALYAALFLIATTAATQAATIERITREKAAEYSIPY--ISDAVEFY					
AtPDR7	Sequence	TMVIGAIYAALFVIVNNTATQMTIVERITREKAAEYSIPY--ISDTCELY					
AtPDR8	Sequence	TMVIGALYAALFVIVNNTATQMTIVERITREKAAEYSMPY--ISDTCELY					



		1,630	1,640	1,650	1,660	1,670	1,680
AtPDR1	Sequence	GA GLFN	IG VQR			R KWI	YW IIPVAV
AtPDR2	Sequence	S FSMLN	AG VQR			K KWI	M LSPTWV
AtPDR3	Sequence	A SLWN	L GLVQK			L VWI	F IIPVAV
AtPDR4	Sequence	AP MLWN	G MYK			R LWR	Y WANPVAV
AtPDR5	Sequence	L LFTTFNI	AG LKR			Q KWI	F ITPTWV
AtPDR6	Sequence	F LSFWN	IG LKR			Q IWR	Y WASPVAV
AtPDR7	Sequence	A GIFN	IG FQR			K KWI	Y WIIPVAV
AtPDR8	Sequence	A GIFN	IG FQR			K KWI	Y WIIPVAV
AtPDR9 ABCG37	Sequence	L VGFN	IG LQT			Q VGI	L LTPTWV
AtPDR10	Sequence	GV ISTSWNV	IG TQR			R MHV	W LRF FTV PGWVG
AtPDR11	Sequence	F LSLWN	IG LQR			Q IWR	Y WATPVAV
AtPDR12	Sequence	A GIWN	IG LQR			S MVI	E YWL IPVAV
AtPDR13	Sequence	T FSMVN	AG YVMQR			K KWI	M LSPTWV
AtPDR14	Sequence	S AIVN	AG YVMQR	VS	PLLPLFTKFV	KFDSYYVKER	KRN R W I M LSPTWV
AtPDR15	Sequence	S AIVN	AG YVMQR			N R W I M LSPTWV	
Potri.001G189500	Sequence	A TSLFN	IG FQR			K KWI	Y WIIPVAV



Accession	Sequence	1,690	1,700	1,710	1,720	1,730	1,740
Potri.002G188900	Sequence	VYIVVQGG	VEDTKVP	MANDPIKW	YIENHYIDA	DFMIPIT	VGTLFIFM
Potri.002G189100	Sequence	ELLSQGG	VDKELVF	EKKRISA	EDYKHK	ESALAF	IYIIVITL
Potri.006G248500	Sequence	QVILQLG	VESMNEP	LFHGKE	IEYKYP	NMISAA	VGICALFSA
Potri.008G099000	Sequence	YLVVQGG	DESVKLS	GIHQVMKE	IEVMYKH	DFSSIMV	VGVCFSLV
Potri.010G153600	Sequence	NLFFSQGG	DIHQKNAF	ETKAS	EDYFHH	DRMITII	IIALITM
Potri.010G153700	Sequence	YIITSQVG	DRDSIVHIT	VGDMSLKT	LKNGFDY	DFPVTVH	IWILILFA
Potri.010G153800	Sequence	IYIITSQVG	VETPALL	GAPGLKQ	YIKQYFES	DYMPG	VGTVFIFI
Potri.015G006000	Sequence	VYIVVQGG	VETRQVL	GAPDLKQ	YIEDHYFQS	DFMPTAT	ITVFI
AtPDR1	Sequence	NFISQGG	DIHEENVF	QSTAR	KDYFHH	DLATTVQ	IIALISM
AtPDR2	Sequence	YITIAQGG	VETRLD-T	EVE	MKNYYEY	NFWSLT	ISMFVFI
AtPDR3	Sequence	YIITSQVG	KDSMVHIS	IGDIDLKT	LKEGFH	DFPVTVH	IWILLFV
AtPDR4	Sequence	YIIAQFG	ITEPMADSN	MSKQ	IREFYIRE	GFAMN	VIILLVI
AtPDR5	Sequence	ELLSQGG	VEKETVF	EKKISA	EDYKHK	ESALAF	IYIIVISL
AtPDR6	Sequence	NLLTSQGG	MEKELEAF	EKKKKK	KKKKPQNC		
AtPDR7	Sequence	NLLTSQGG	MEKELEAF	EKKKSA	EDYRY	DSALVF	IILLSL
AtPDR8	Sequence	VYIVVQGG	VMDTINV	RAGADPIKV	YIQENYDP	DFMQAT	VGTVFIFL
AtPDR9 ABCG37	Sequence	KLLAQGG	IEAEIAY	ERKSIS	RSYKQ	DDI	LIVFLA
AtPDR10	Sequence	KLLAQGG	IEAEIAY	ERKSIS	RSYKQ	DDI	LIVFLA
AtPDR11	Sequence	YIIAQGG	LEDKLE-SD	EKD	RNFYRH	DFVICIV	VGMSLVFT
AtPDR12	Sequence	EMFTSQGG	LDKESVF	ETKASA	IEDYRQ	DFGL	IIIVISL
AtPDR13	Sequence	NFLTQGG	IDKESIF	ELKSS	QDIYFRH	DHIAA	AAVAFL
AtPDR14	Sequence	NFLTQGG	IDKELIF	ELKSS	QDIYFRH	DHIAA	AAVALL
AtPDR15	Sequence	NAMLTQGG	VNKEVSF	ETMAD	VGDYFHH	NFGV	IITISL
Potri.001G189500	Sequence	NMLTQGG	VDEEVSF	EARALSD	IEDYFHH	SFSGV	VIIVTISL