

a

- [SmKRIP3 [Solunum melongena]
hypothetical protein KY285_005959 [Solunum tuberosum]
cyclin-dependent kinase inhibitor 4-like [Solunum lycopersicum]
cyclin-dependent kinase inhibitor 4-like [Solunum dulcamara]
cyclin-dependent kinase inhibitor 5-like [Nicotiana baculum]
cyclin-dependent kinase inhibitor 4-like [Lycium ferocissimum]
cyclin-dependent kinase inhibitor 4 [Capsicum annuum]
cyclin-dependent kinase inhibitor 3-like [Ipomoea nil]
cyclin-dependent kinase inhibitor 5 [Gossypium hirsutum]
cyclin-dependent kinase inhibitor 5 [Prunus persica]
inhibitor/interactor with cyclin-dependent kinase [Arabidopsis thaliana]
cyclin-dependent kinase inhibitor 4-like isoform 2 [Trifolium aestivum]
cyclin-dependent kinase inhibitor 4 [Orzya sativa Japonica Group]

- SmKRP3 [*Solanum melongena*]

- hypothetical protein KY285_005599 [Solanum tuberosum]
 cyclin-dependent kinase inhibitor 4-like [Solanum lycopersicum]
 cyclin-dependent kinase inhibitor 4-like [Solanum dulcamara]
 cyclin-dependent kinase inhibitor 5-like [Nicotiana tabacum]
 cyclin-dependent kinase inhibitor 4-like [Lycium ferocissimum]
 cyclin-dependent kinase inhibitor 4 [Capsicum annuum]
 cyclin-dependent kinase inhibitor 3-like [Ipomoea nil]
 cyclin-dependent kinase inhibitor 5 [Gossypium hirsutum]
 cyclin-dependent kinase inhibitor 5 [Prunus persica]
 inhibitor/interactor with cyclin-dependent kinase [Arabidopsis thaliana]
 cyclin-dependent kinase inhibitor 4-like isoform 2 [Trifolium aestivum]
 cyclin-dependent kinase inhibitor 4 [Orzyza sativa Japonica Group]

Consensus

- hypothetical protein KY285_00599 [Solanum tuberosum]
cyclin-dependent kinase inhibitor 4-like [Solanum lycopersicum]
cyclin-dependent kinase inhibitor 4-like [Solanum dulcamara]
cyclin-dependent kinase inhibitor 5-like [Nicotiana tabacum]
cyclin-dependent kinase inhibitor 4-like [Lycium ferocissimum]
cyclin-dependent kinase inhibitor 4 [Capsicum annuum]
cyclin-dependent kinase inhibitor 3-like [Ipomoea nil]
cyclin-dependent kinase inhibitor 5 [Gossypium hirsutum]
cyclin-dependent kinase inhibitor 5 [Prunus persica]
inhibitor/interactor with cyclin-dependent kinase [Arabidopsis thaliana]
cyclin-dependent kinase inhibitor 4-like isoform X2 [Triticum aestivum]
cyclin-dependent kinase inhibitor 4 [Oryza sativa japonica Group]

Consensus

ES.....	.NRSLVRLEMKGWSNSWGDGE..	.EEKKKE..	.ETQN..	.EANNNSCSE..	.BN1LEJ..	131
ESKRQ..	.NRSLVRLEMKGWSNSVSGE..	.EEKKKEEV..	.HVGENCK..	.EIDNNNSCSE..	.BN1LEJD..	141
ESKRQ..	.NRSLVRLEMKGWSNSGSGEG..	.EEKKKE..	.CVGENCK..	.EIDNNNSFVE..	.BN1LEFDG..	139
ESKRQ..	.NRSLVRLEMKGWSNSVSGEV..	.EMEKEE..	.EIETCKR..	.EINRNNSCSE..	.BN1LEFDG..	143
DFLNLPNVYKNNNGS..	.SRTSTSRLRKHGWSNSWGV..	.LGEKEKKI..	.NLGEIION..	.EIKHNSCSE..GVE..	.ASFGF..BN1LEFFG..	162
	.NFRCLGKGNCSNSEVKCE..	.LGEKKKEE..	.IEIEN..	.ENNNSGEGSH..	.BN1LEFFG..	116
	.LKDQEKGWSN..	.DEKEKK..	.IKEMM..	.EININGGGGDDAGWEAESC..	.BN1LEFFG..	127
DSNPSLXKANQNQNK..	.SSRASKSLRQVSRSRANSVWKDCELDLHDKEKD..	.ILGEENWVG..	.ETEENNNGV..	.EAVGEGSFC..BN1LFM..	.BN1LFMFFG..	171
CCCGGCKKNDNFGNNFNSNSNRVVEGSKL..	.KEEKGEGE..	.VQEDNGNDNINLYNSNNNNNNNSDFGVEASF..	.EVN..	.EVN..	.EVN..	168
KQPKASSNSRATSLRGHG..	.SVAKAGCKKEADEADEP..	.KEKEGG..	.KHEHNNTNNKENGDLGEVEAS..	.EVN..	.EVN..	154
IKESG..	.SSRSRVDNSVFSVAGQSN..	.EDBCCFDN..	.FVSVQVSCG..	.EVN..	.EVN..	132
RR.....	.AAAVERAEAEAAED..	.EVSF..	.EVSF..	.EVN..	.EVN..	99
RRR....	.ATAAAAATADATAAESAA..	.EVVSFG..	.EVN..	.EVN..	.EVN..	102
		en				

re	tp	t	ip	f	e	q	k	y	d	v	pl	gr	w
REERT	TET	CNLIRDPEI	PFGSSTRRRNNAEANGREETSQAR	JIP	TAHENMDDEAGTBEEKP	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	233
REERT	TRE	CNLIRDPSI	PFGSSTRRANNAESEGNNGREETSQAR	JIP	TAHENMDDEAGTBEEKP	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	231
REERT	TRE	CNLIRDPEI	PFGSSTRRANNAESENGREETSQAR	JIP	TAHENMDDEAGTBEEKP	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	231
REERT	TRE	CNLIRDPSI	PFGSSTRRANNAEDEANGREETSQAR	JIP	TAHENMDDEAGTBEEKP	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	234
REERT	TRE	CNLIRDPEI	PFGSSTRRANNAEDEGGREETSQAR	JIP	TAHENMDDEAGTBEEKP	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	234
REERT	TRE	CNLIRDPSI	PFGSSTRRANNAEDEGGREETSQAR	JIP	TAHENMDDEAGTBEEKP	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	254
REERT	TRE	CNLIRDPEI	PFGSSTRTPTEADNEVRVENNSTR	JIP	TAHENMDDEAGTBEEGCC	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	208
REERT	TRE	CNLIRDPSI	PFGSSTRTPTEADNEVRVENNSTR	JIP	TAHENMDDEAGTBEEGCC	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	219
REERT	TRE	CNLIRDPEI	PFGSSTRTPTEADNEVRVENNSTR	JIP	TAHENMDDEAGTBEEGCC	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	263
REERT	TRE	CNLIRDPSI	PFGSSTRTPTEADNEVRVENNSTR	JIP	TAHENMDDEAGTBEEGCC	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	260
REERT	TRE	CNLIRDPEI	PFGSSTRTPTEADNEVRVENNSTR	JIP	TAHENMDDEAGTBEEGCC	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	246
R. H.S.	TRE	CNLIRDPEI	PFGSSTRTPTEADNEVRVENNSTR	JIP	TAHMDDEAGTBEEGCC	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	221
MGRER	TRE	CNLIRDPSI	PFGSSTRTPTEADNEVRVENNSTR	JIP	TAHMDDEAGTBEEGCC	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	190
MGRER	TRE	CNLIRDPEI	PFGSSTRTPTEADNEVRVENNSTR	JIP	TAHMDDEAGTBEEGCC	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	194
MGRER	TRE	CNLIRDPSI	PFGSSTRTPTEADNEVRVENNSTR	JIP	TAHMDDEAGTBEEGCC	KCPB	EYNN	P1	VNDN	P1	GRYK	WV	194

b

