

Figure S3

Amino acid sequence alignment of Rpi-blb1, Rpi-sto1 and Rpi-pta1.

The complete amino acid sequence of Rpi-blb1 is shown and amino acid residues from Rpi-sto1 or -pta1 that differ from the corresponding residue in Rpi-blb1. The coiled-coil domain is underlined with a dotted line. Conserved motifs in the NBS domain are indicated in lowercase. The regions of the LRRs that correspond to the β -strand/ β -turn motif xxLxLxxxx are underlined. An asterisk indicates codons that harbour synonymous nucleotide substitutions.

Rpi-sto1	*	T	*	60
Rpi-blb1	MAEAFIQVLLDNLTSFLKGELVLLFGFQDEFQRLSSMFSTIQAVALDEAQEKOLNNKPLEN			60
Rpi-ptal	*	T	*	60
Rpi-sto1	*			120
Rpi-blb1	WLQKLNAATYEVDDILDEYKTAKTRFSQSEYGRYHPKVIPFRHKVGKRMQVMKKLKAIA			120
Rpi-ptal	*			120
Rpi-sto1				180
Rpi-blb1	EERKNFHLHEKIVERQAVRRETGSVLTEPQVYGRDKEKDEIVKILINNVSDAQHLSVlpi			180
Rpi-ptal				180
Rpi-sto1				240
Rpi-blb1	1gmgglgkttlaQMVFNDQRVTEHFHSKIWICVSEDFDEKRLIKAIIVESIEGRPLLGEMD			240
Rpi-ptal				240
Rpi-sto1		*		300
Rpi-blb1	LAPLQKKLQELLNGkryllvlddvwNEDQQKWANLRAVLKVVGASGAsvltttrLEKVGSI			300
Rpi-ptal	*			300
Rpi-sto1				360
Rpi-blb1	MGTLOPYELSNLSQEDCWLLFMQRAFGHQEEINPNLVAIGKEIVKKSGGgvplaaktlggi			360
Rpi-ptal				360
Rpi-sto1				420
Rpi-blb1	1CFKREERAWEHVRDSPIWNLPODESSILPALRLSYHQLPLDLKqcfaycavfPKDAKME			420
Rpi-ptal				420
Rpi-sto1		*		480
Rpi-blb1	KEKLISLWMAHGFLLSKGNMELEDVGDEVWKELYLRSFFQEIEVKDGKTYFKmhdihdl			480
Rpi-ptal				480
Rpi-sto1				540
Rpi-blb1	ATSLFSANTSSNIREINKHSYTHMMSIGFAEVVFFYTLPPLEKFISLRLVNLGDSTFNK			540
Rpi-ptal				540
Rpi-sto1				600
Rpi-blb1	LPSSIGDLVHLRYLNLYGSGMRSLPKQLCKLQNLTLDLQYCTKLCCLPKETSKLGSLRN			600
Rpi-ptal				600
Rpi-sto1				660
Rpi-blb1	<u>LLLLDGSQSILTCMPPRIGSILTCLKTLGQFVVGRKKGYQLGELGNLNLYGSIKISHLERVKN</u>			660
Rpi-ptal				660
Rpi-sto1				720
Rpi-blb1	DKDAKEANLSAKGNLHSLSMSWNFGPHIYESEEVKVLEALKPHSNLTSKLIYGFRGIHL			720
Rpi-ptal	R			720
Rpi-sto1				780
Rpi-blb1	PEWMNHSVLUKNIV <u>SILISNFRCNSCLPPFGDLPCL</u> <u>ESLELHWGSADVEYVEEVVIDVHSG</u>			780
Rpi-ptal				780
Rpi-sto1				840
Rpi-blb1	FPTTRIRFPSLRKLDIWD FGSLKGLLKEGEEQFPVLEEMIIHECPFLTLSSNLRALTSLR			840
Rpi-ptal	L			840

Rpi-sto1		900
Rpi-blb1	<u>I</u> CYNKVATSFPEEMFKNLANL <u>KYLTISRCNNL</u> KELPTSLASLNALKSIQLCCALESLP	900
Rpi-ptal		900

Rpi-sto1		960
Rpi-blb1	EEGLEGLSSLTELFVEHCNMLKCLPEGLQHLLTSLKIRGCPQLIKRCEKGIGEDWHKI	960
Rpi-ptal		960

Rpi-sto1	N 970	
Rpi-blb1	SHIPNVNIYI 970	
Rpi-ptal	N 970	