

At BRL3	547	KNLIWLDLNSNNITGNLFGELASOAG.LVMPGSVSGKQFAFVRNEGGT.DCRGAGGLVEFF	604
At BRL1	547	KSLIWLDLNSNNITGDLFGELASOAG.LVMPGSVSGKQFAFVRNEGGT.DCRGAGGLVEFF	604
Os BRL1	598	NNLIWLDLNSNFTGTFPPQLAGQAG.LVPGGIVSGKQFAFLRNEAGN.ICPGAGVLEFF	655
Os BRL3	598	SNLIWLDLNSNELTGTTFPQLAAQAG.LITGAIVSGKQFAFLRNEAGN.ICPGAGVLEFF	655
Sl BRI1	571	QSLIWLDLNTNFLNGSTPPPLFKQSG.NIAVALLTGKRYVYIKNDGSK.ECHGAGNLEFF	628
Spi BRI1	571	QSLIWLDLNTNFLNGSTPPPLFKQSG.NIAVALLTGKRYVYIKNDGSK.ECHGAGNLEFF	628
Spv BRI1	571	QSLIWLDLNTNFLNGSTPPPLFKQSG.NIAVALLTGKRYVYIKNDGSK.ECHGAGNLEFF	628
St BRI1	570	QSLIWLDLNTNFLNGSTPPPLFKQSG.NIAVALLTGKRYVYIKNDGSK.ECHGAGNLEFF	627
Nb BRI1	579	QSLIWLDLNTNLLNGSTPPPLFKQSG.NIAVALLTGKRYVYIKNDGSK.ECHGAGNLEFF	636
Ps BRI1	558	PSLIWLDLNTNFLTGTTPPELKGQSG.KVVVNFISGKTYVYIKNDGSK.ECHGAGSLEFF	615
At BRI1	560	RSLIWLDLNTNLFNGTTPAAMFKQSG.KIAANFIAGKRYVYIKNDGMKKECHGAGNLEFF	618
Os BRI1	488	QSLVWLDLNSNQLNGSTPKELAKQSG.KMNVGLIVGRPYVYLRNDELSSQCRGKGSLEFF	546
Hv BRI1	485	KSLVWLDLNSNQLNGSTPPPELAEQSG.KMTVGLIICRPYVYLRNDELSSQCRGKGSLEFF	543
At BRL2	519	TTLVWLDLNTNHLTGETPPRLGROPQSKALSGLLSENTMAFVRNVGNS..CRGVGGLVEFF	576
Os BRL2	500	SSLVWLDLNSNRLTGETPERRLGROLESTPLSGILSENTLAFVRNVGNS..CRGVGGLVEFF	557

At BRL3	605	EGIRAEERLEHFPMVHSCPKT.RIYSGMTMYFSSNGSMIYLDLSYNAVSGSTFLGYCAMG	663
At BRL1	605	EGIRAEERLERLPMVHSCPAT.RIYSGMTMYTFSSANGSMIYFDLSYNAVSGFTIPPGYENMG	663
Os BRL1	656	FGIRPERLAEFPAVHLCPST.RIYTGTTVYTFNNGSMIFLDLSYNGITGTIPGSLGNMM	714
Os BRL3	656	LDIRPDRLANFPAVHLCSST.RIYTGTTVYTFERNNGSMIFLDLSYNSLTGTIPASFENMT	714
Sl BRI1	629	GGIRQEQLDRISTRHPCNFT.RVYRGTIQPTFNHNGSMIFLDLSYNKLEGSTPKELCAMY	687
Spi BRI1	629	GGIRQEQLDRISTRHPCNFT.RVYRGTIQPTFNHNGSMIFLDLSYNKLEGSTPKELCAMY	687
Spv BRI1	629	GGIRQEQLDRISTRHPCNFT.RVYRGTIQPTFNHNGSMIFLDLSYNKLEGSTPKELCAMY	687
St BRI1	628	GGIRQEQLGRISTRHPCNFT.RVYRGTIQPTFNHNGSMIFLDLSYNKLEGSTPKELCAMY	686
Nb BRI1	637	GGIRQEQLDRISTRHPCNFT.RVYRGTIQPTFNHNGSMIFLDLSYNKLEGSTPKELCSMY	695
Ps BRI1	616	AGINQEQLRRISTRNPCNFT.RVYGGKLPQPTFLNGSMIFLDVSHNMLSGTIPKEIGEMT	674
At BRI1	619	QGIRSEQLNRLSTRNPNITSRVYGGHTSPTFDNNGSMIFLDMSYNNMLSGYTPKEIGSMP	678
Os BRI1	547	TSIRPDDL SRMP SKKLCNFT.RMYVGS TEYTFNKNGSMIFLDLSYNSQLDSAIPGELGDMF	605
Hv BRI1	544	SSIRSEDL SRMP SKKLCNFT.RMYMGS TEYTFNKNGSMIFLDLSFNQLDSEIPKELGNMF	602
At BRL2	577	SGIRPERLLQIPSLKSCDFT.RMYSGLPILSLFTRYQTIEYLDLSYNSQLRGKIPDEIGEMI	635
Os BRL2	558	AGIRPERLLQVPTLKSCDFT.RLYSCAAVSGWTRYQTLEYLDLSYNSLDGELFEELGDMV	616

Supplementary Figure 4: Sequence alignment of the BL binding region of BRI1 and related proteins

The sequence alignment encompasses the BL binding region of At BRI1 (amino acids 580-673). Sequences present in the alignment are (numbers in parenthesis indicate Genbank accession numbers): At BRL3 (Q9LJF3); At BRL1 (Q9ZWC8); Os BRL1 (NP_001062792); Os BRL3 (BAD01717); Sl BRI1 (Q8GUQ5); Spi BRI1 (ABO27626); Spv BRI1; (Q8L899); St BRI1 (ABO27627); Nb BRI1 (ABO27628); Ps BRI1 (BAC99050); At BRI1 (O22476); Os BRI1 (NP_001044077); Hv BRI1 (BAD06331); At BRL2 (Q9ZPS9); Os BRL2 (AAK52544). At, *Arabidopsis thaliana*; Os, *Oryza sativa*; Sl, *Solanum Lycopersicum*; Spi, *Solanum pimpinellifolium*; Spv, *Solanum peruvianum*; St, *Solanum tuberosum*; Nb, *Nicotiana benthamiana*; Ps, *Pisum sativum*; Hv, *Hordeum vulgare*. Amino acids highlighted in black are identical in all sequences and those highlighted in grey are conserved. The NGSM motif conserved in BL responsive proteins is indicated by asterisks.