

Table 2 Physical and chemical properties of members of the BRI1 protein family

Protein name	Number of amino acids (aa)	Isoelectric point	Major amino acids (%)	Acidic amino acids (%)	Basic amino acids (%)	Aliphatic index	Grand average of hydropathicity	Instability index	
AhBRI1	1 195	6.32	Leu 14.4, Ser 12.6, Gly 7.8, Asn 7.3	9.46	8.70	96.04	-0.031	34.51	stable
AhBRL1	1 170	5.77	Leu 15.6, Ser 12.7, Gly 8.4, Asn 7.8	9.32	7.86	98.85	-0.033	38.33	stable
AhBRL2	985	7.08	Leu 15.9, Ser 11.4, Asn 7.9, Gly 7.6	8.93	8.93	103.77	-0.050	33.44	stable
AtBRI1	1 196	5.99	Leu 14.1, Ser 11.5, Gly 8.5, Asn 6.8	10.12	8.95	92.78	-0.086	34.64	stable
AtBRL1	1 166	6.97	Leu 13.4, Ser 10.5, Gly 9.2, Asn 7.0	9.09	9.01	94.79	-0.056	31.27	stable
AtBRL2	1143	6.56	Leu 13.8, Ser 11.3, Gly 7.9, Ile 7.0	9.71	9.36	97.50	-0.125	38.39	stable
AtBRL3	1 164	6.30	Leu 14.8, Ser 11.6, Gly 9.0, Asn 6.5	9.54	8.94	96.71	-0.062	31.07	stable
MnBRL1	1 205	6.14	Leu 15.0, Ser 12.9, Gly 8.3, Asn 7.5	8.96	8.13	97.27	-0.014	38.94	stable
PtBRL2_1	1 134	5.83	Leu 15.3, Ser 11.2, Gly 7.8, Asn 6.8	9.79	8.47	101.29	-0.043	30.92	stable
PtBRL2_2	1 135	5.94	Leu 15.4, Ser 10.7, Gly 7.7, Asn 6.3	9.78	8.63	101.98	-0.015	30.57	stable
PtBRL3_1	1 224	6.37	Leu 15.2, Ser 12.2, Gly 8.4, Asn 6.8	8.58	8.01	95.74	-0.077	39.31	stable
PtBRL3_2	1 224	6.22	Leu 15.6, Ser 12.1, Gly 8.6, Asn 7.4	8.25	7.52	97.96	-0.038	37.57	stable