

Supplementary Table 1:

BR regulated proteins and their expression in response to BL treatment and in the *bri1-116* mutant and *bzr1-1D* transgenic plants (mBZR1-CFP).

Protein or RNA expression data are averages of three biological repeats. RNA data are from previous microarray studies (He et al., 2005).

Spot Number	Gene Locus	Protein Name	RNA level		Protein Level 6hr (BL/Mock)		Protein Level 12 hr(BL/Mock)	
			<i>det2</i> /WT	<i>bzr1-1D</i> /WT	ratio	p value	ratio	p value
311	At1g22530	Sec14 cytosolic factor (PATL2)	0.91	1.11	2.16	3.0E-02	1.72	1.4E-02
317	At1g22530	Sec14 cytosolic factor (PATL2)	0.91	1.11	2.13	2.1E-03	2.07	6.3E-04
321	At1g22530	Sec14 cytosolic factor (PATL2)	0.91	1.11	1.88	3.9E-02	2.04	1.5E-03
742	At1g72150	Sec14 cytosolic factor (PATL1)	0.73	0.98	1.45	6.0E-03	1.81	6.5E-02
745	At1g72150	Sec14 cytosolic factor (PATL1)	0.73	0.98	1.97	1.8E-02	2.19	2.0E-04
801	At1g30690	Sec14 cytosolic factor (PATL4)	1.02	1.59	1.19	4.0E-01	1.21	2.3E-01
819	At4g24190	SHEPHERD (GRP94)	1.21	1.26	1.14	3.4E-01	1.19	4.8E-02
953	At3g46970	alpha-glucan phosphorylase	1.19	1.46	1.12	1.1E-01	1.13	8.3E-03
1122	At5g42020	luminal binding protein 2 (BiP-2)	1.24	1.23	1.16	4.9E-02	1.24	1.1E-02
1150	At5g02490	heat shock cognate (HSC70-2)	0.64	1.08	-1.02	7.0E-01	1.10	4.3E-03
1214	At3g12580	heat shock protein 70	0.39	1.43	1.12	7.7E-02	1.29	4.8E-02
1433	At5g11670	malate oxidoreductase	0.55	0.95	1.03	1.2E-01	1.05	1.9E-01
1734	At5g44340	tubulin beta-4 chain (TUB4)	1.02	1.05	1.14	2.9E-01	1.05	1.7E-02
1769	At3g23810	S-adenosyl-L-homocysteine hydrolase	0.96	1.10	1.11	1.6E-01	1.21	4.9E-02
1792	At4g14960	tubulin alpha-6 chain (TUA6)	1.12	1.22	1.16	5.5E-02	1.14	1.2E-01
1937	At1g57720	elongation factor 1B-gamma	1.10	1.05	-1.01	7.8E-01	-1.02	6.5E-01
1941	At3g09940	monodehydroascorbate reductase (AtMDAR3)	1.10	0.59	1.03	2.6E-01	1.02	3.7E-01
2057	At3g17390	S-adenosylmethionine synthetase	1.06	1.08	1.13	1.1E-03	1.17	1.6E-01
2062	At1g08200	similar to dihydroflavonol reductase AXS2	1.10	1.12	1.15	5.8E-02	1.21	1.8E-04
2075	At3g18780	actin2 (ACT2)	1.21	1.09	1.08	8.3E-03	1.13	1.1E-02
2088	At4g23600	coronatine-responsive tyrosine aminotransferase	8.88	2.51	1.04	4.6E-01	1.09	1.4E-01
2168	At1g76680	2-oxophytodienoate reductase (OPR1)	0.40	1.17	-1.03	5.8E-01	1.35	6.3E-02
2239	At5g37600	glutamine synthetase	0.34	0.43	1.09	3.8E-02	1.29	3.1E-02
2294	At1g76180	dehydrin ERD14	0.75	0.89	-1.13	9.0E-02	1.09	1.4E-01
2295	At1g62380	ACC oxidase (ACO2)	0.89	1.05	-1.02	9.0E-02	-1.25	8.6E-04
2296	At1g62380	ACC oxidase (ACO2)	0.89	1.05	-1.04	1.1E-02	-1.13	3.5E-04
2353	At2g47470	thioredoxin family protein	1.14	1.10	1.09	2.6E-01	1.18	2.9E-01
2362	At3g44860	S-adenosyl-L-methionine:carboxyl methyltransferase	1.06	0.78	1.07	7.2E-01	1.02	8.5E-01
2497	At1g54040	kelch repeat-containing protein	173.52	0.62	-1.02	3.5E-01	1.70	1.1E-02
2506	At1g54040	kelch repeat-containing protein	173.52	0.62	1.01	9.6E-01	1.03	9.1E-01
2635	At4g12720	MutT/nudix family protein	0.78	1.09	1.41	1.7E-02	1.86	1.9E-03

Spot Number	Gene Locus	Protein Name	RNA level		Protein Level 6hr (BL/Mock)		Protein Level 12 hr(BL/Mock)	
			<i>det2</i> /WT	<i>bzr1-1D</i> /WT	ratio	p value	ratio	p value
2770	At2g41100	calmodulin-related protein 3 (TCH3)	0.74	0.96	1.00	1.0E+00	1.05	5.0E-02
2866	At3g53460	29 kDa ribonucleoprotein, chloroplast (CP29)	1.38	1.18	1.02	8.4E-01	1.03	6.1E-01
2880	At3g53460	29 kDa ribonucleoprotein, chloroplast (CP29)	1.38	1.18	-1.01	8.1E-01	1.05	4.0E-02
2898	At5g54770	thiazole biosynthetic enzyme (THI1)	1.30	1.26	1.01	9.2E-01	-1.25	6.2E-02
2957	At5g54770	thiazole biosynthetic enzyme (THI1)	1.30	1.26	1.02	7.3E-01	-1.44	1.4E-02
3034	At1g10370	glutathione S-transferase	1.07	2.72	1.07	4.4E-01	-1.42	1.4E-02
3093	At4g30530	defense-related protein	0.82	0.89	1.10	2.3E-01	1.18	1.8E-02
3108	At5g10450	14-3-3 protein GF14 lambda (GRF6)	1.15	0.98	1.06	1.4E-01	1.09	1.0E-02
3115	At5g65430	14-3-3 protein GF14 kappa (GRF8)	1.03	1.08	1.05	5.6E-03	1.11	1.2E-01
3129	At5g20630	germin-like protein subfamily 3 member 3	1.57	1.57	1.08	3.0E-02	1.22	2.4E-02
3177	At1g50670	OTU-like cysteine protease family protein	1.18	1.08	1.66	8.0E-02	1.47	2.8E-01
3279	At4g02520	glutathione S-transferase (ATGSTF2)	0.95	0.97	-1.10	2.2E-01	-1.03	7.9E-01
3286	At2g30860	glutathione S-transferase (ATGSTF9)	0.98	0.98	-1.05	3.2E-01	1.04	6.3E-01
3291	At4g02520	glutathione S-transferase (ATGSTF2)	0.95	0.97	-1.05	5.4E-01	-1.05	5.3E-01
3299	At2g41090	calmodulin-like protein (CABP-22)	0.56	1.14	1.01	7.2E-01	1.78	2.7E-02
3308	At1g02920	glutathione S-transferase (ATGSTF7)	0.75	0.96	-1.04	5.1E-01	-1.01	8.8E-01
3344	At2g47730	glutathione S-transferase 6 (GST6)	0.85	1.11	-1.02	7.4E-01	1.15	3.1E-01
3603	At3g25770	allene oxide cyclase (AOC2)	1.47	1.71	1.04	7.3E-01	1.15	1.2E-03
4536	AT1G02930	glutathione S-transferase 1 (GST1)	0.75	0.96	-1.07	3.7E-01	1.30	2.9E-02

Notes: WT (wild type), NA (not available)

Spot Number	Protein Level 24 hr(BL/Mock)		Protein level <i>bri1-116</i> /WT		Protein level mBZR1-CFP/WT		Protein level <i>det2</i> /WT	
	ratio	p value	ratio	p value	ratio	p value	ratio	p value
311	2.69	1.5E-02	-2.20	4.2E-04	1.43	2.3E-02	-1.58	2.3E-02
317	2.78	6.6E-03	-2.59	8.5E-06	1.49	5.1E-05	-1.39	1.0E-01
321	2.87	8.8E-03	-2.62	2.2E-04	1.36	6.5E-04	-1.32	1.1E-01
742	3.22	8.2E-06	-1.75	2.1E-02	1.49	4.9E-03	-2.25	6.7E-02
745	3.51	3.0E-05	-2.03	2.0E-03	1.51	2.0E-03	-1.82	6.5E-02
801	1.86	5.0E-03	-2.33	2.0E-04	1.05	5.2E-01	-1.23	NA
819	1.36	2.1E-03		NA	1.12	3.9E-02	-2.17	4.9E-02
953	1.34	4.3E-05	-1.29	1.4E-05	1.12	3.9E-02	-1.04	4.9E-01
1122	1.58	3.0E-03	-1.19	3.7E-03	1.40	5.8E-03	1.87	8.2E-03
1150	1.69	1.0E-02	1.09	1.3E-01	-1.07	5.8E-01		NA
1214	1.47	9.9E-03	-1.13	5.8E-03	-1.15	1.5E-01	1.01	9.6E-01
1433	1.65	2.6E-03	-1.46	3.5E-05	-1.32	5.0E-02	-1.54	4.0E-02
1734	1.42	2.5E-02	-1.17	1.2E-04	1.09	3.9E-02	-1.08	4.1E-01
1769	1.63	2.6E-04		NA	-1.10	3.3E-02	-1.18	2.2E-02
1792	1.39	8.5E-03		NA	1.07	8.9E-02	-1.21	4.6E-02
1937	3.10	2.4E-02		NA	1.20	8.9E-02	1.13	NA
1941	1.59	4.0E-03		NA	-1.44	1.9E-02	-1.15	2.2E-01
2057	1.46	5.4E-05	-1.04	3.4E-01	1.11	2.2E-02	1.1	2.4E-01
2062	1.39	1.6E-03	-1.12	1.6E-01	1.03	4.0E-01	1.11	2.7E-01
2075	1.34	1.3E-02	1.09	6.1E-03	1.11	1.0E-01	-1.09	3.2E-02
2088	1.46	3.0E-05	1.04	3.6E-03	1.07	5.3E-03	5.07	3.0E-03
2168	1.52	4.6E-03	-1.00	9.6E-01	1.07	5.0E-01	-1.03	NA
2239	1.89	3.1E-04	-1.04	6.5E-02	-1.28	2.6E-02	-1.24	9.5E-03
2294	-1.34	2.2E-03	1.03	2.7E-01	1.06	3.6E-01	-1.1	2.5E-01
2295	-1.55	6.3E-04	1.01	8.9E-01	-1.21	7.6E-03	-1.12	3.0E-01
2296	-1.32	3.0E-02	-1.05	5.3E-01	-1.08	2.1E-06	-1.25	6.3E-03
2353	1.30	3.2E-02	-1.07	5.1E-01	1.05	4.4E-01	1.12	1.4E-01
2362	1.59	9.3E-03	-1.00	9.8E-01	1.12	2.7E-01	1.12	1.8E-01
2497	1.53	1.3E-02	1.15	2.5E-04	-1.14	1.4E-01	3.29	2.4E-01
2506	1.87	2.1E-06	-1.18	3.1E-01	1.07	5.2E-01	14.01	6.4E-02
2635	2.89	3.2E-02	1.23	2.6E-02	-1.05	3.1E-01	1.19	7.6E-01

Spot Number	Protein Level 24 hr(BL/Mock)		Protein level <i>bri1-116</i> /WT		Protein level mBZR1-CFP/WT		Protein level <i>det2</i> /WT	
	ratio	p value	ratio	p value	ratio	p value	ratio	p value
2770	1.59	7.7E-03	-1.09	5.1E-01	-1.14	2.7E-01	-1.12	2.4E-01
2866	-1.24	6.1E-04	1.05	1.5E-01	-1.04	4.7E-01	1.15	1.5E-03
2880	-1.34	8.3E-03	1.09	3.4E-01	1.23	5.1E-02	1.39	3.2E-03
2898	-3.16	1.9E-03	-1.48	1.7E-02	1.25	4.1E-02	2.2	4.7E-02
2957	-3.37	2.0E-02	-1.54	3.3E-04	1.32	9.3E-03	1.59	9.1E-02
3034	1.67	6.4E-06	1.10	2.8E-01	1.31	4.4E-03	-1.18	3.1E-01
3093	1.59	1.2E-05	-1.21	2.9E-02	-1.11	1.4E-01	-1.05	5.3E-01
3108	1.27	6.6E-04		NA	-1.03	4.2E-02	-1.29	5.1E-02
3115	1.38	3.1E-05	1.04	4.2E-01	1.04	3.4E-01	-1.24	2.2E-02
3129	1.48	1.4E-02	1.04	5.5E-01	1.09	1.9E-01	-1.07	3.5E-01
3177	2.22	2.0E-03	1.09	8.0E-02	1.13	4.2E-01	-1.09	4.5E-01
3279	1.70	4.0E-04	-1.05	6.0E-01	-1.82	9.2E-03	1.71	5.5E-01
3286	1.34	5.7E-05	1.05	5.6E-01	-1.28	2.3E-03	1.16	5.2E-01
3291	1.33	4.8E-03	-1.15	3.0E-01	-1.54	1.4E-02	1.15	5.8E-01
3299	5.33	5.6E-04	1.01	6.9E-01	-1.33	2.3E-02	-1.37	3.9E-02
3308	1.43	2.0E-04	1.03	2.3E-01	-1.23	9.7E-02	1.09	8.0E-01
3344	1.52	2.9E-03	-1.17	1.6E-01	1.16	9.8E-02	1.12	4.8E-01
3603	1.67	1.6E-03	1.04	6.2E-01	-1.05	6.9E-01	-1.34	1.7E-01
4536	1.88	9.5E-04	-1.15	3.2E-01	1.07	4.5E-01	1.3	4.5E-01