

Transcription abundance of all BvAQP genes

Name	Gene code	Leaf	Taproot	Inflorescence	seeding
BvPIP1;1	Bv1g004510_fpur. t1	6. 205204	324. 368118	43. 659561	4. 113373
BvPIP1;2	Bv1g004520_shpz. t1	8. 735936	271. 5365755	56. 967796	39. 44222
BvPIP1;3	Bv2g024120_gqok. t1	481. 184113	1411. 468689	273. 346741	842. 2285
BvPIP2;1	Bv7g163390_cqnr. t1	92. 918228	216. 965729	147. 662552	224. 449
BvPIP2;2	Bv9g210030_ixem. t1	0	82. 4510995	4. 990615	290. 3504
BvPIP2;3	Bv9g210020_yige. t1	0. 926566	7. 1934655	2. 07546	15. 79424
BvPIP2;4	Bv9g216070_reke. t1	79. 946609	743. 651337	291. 931976	840. 9092
BvTIP1;1	Bv7ug180930_kzkq. t1	1879. 462402	1117. 143189	194. 240387	776. 6156
BvTIP1;2	Bv2g037380_iuuk. t1	0	0. 114297	12. 075761	0. 117749
BvTIP1;3	Bv7g176430_ynzf. t1	1. 147823	92. 6305275	4. 847071	182. 7608
BvTIP2;1	Bv9g223310_dkzm. t1	150. 133667	128. 0028765	61. 597431	268. 1113
BvTIP2;2	Bv5g104980_xunf. t1	0	47. 7602215	0	108. 4979
BvTIP3;1	Bv8g190600_dreg. t1	0	1. 4354825	0. 463279	4. 340793
BvTIP4;1	Bv2g032200_ydno. t1	6. 700949	371. 3661345	64. 998787	248. 6495
BvTIP5;1	Bv3ug068240_gghp. t1	0	0	0. 891779	0
BvNIP1;1	Bv8ug202570_ughi. t1	5. 228934	2. 719534	6. 625377	16. 20953
BvNIP4;1	Bv2g027680_aejh. t1	0	12. 349268	2. 269284	2. 426967
BvNIP4;2	Bv2g027660_xash. t1	0	1. 276335	1. 277294	0. 320927
BvNIP5;1	Bv6TE021760_gkiq. t1	0. 07519	0. 2982985	0. 373979	0. 092123
BvNIP5;2	Bv6g139140_oani. t1	11. 497099	144. 0580215	11. 096544	63. 44042
BvNIP6;1	Bv9g225280_hmzo. t1	27. 709431	168. 1454165	18. 628855	7. 763346
BvNIP6;2	Bv5g108450_zkgo. t1	0	0. 608103	0. 422167	3. 233918
BvNIP6;3	Bv5g108440_jecw. t1	0	0	0	0
BvNIP7;1	Bv3ug070540_kqew. t1	0	0. 3593385	5. 749987	0. 006317
BvSIP1;1 $\alpha$	Bv2g035790_zywx. t1	15. 770978	11. 248759	3. 230541	5. 463302
BvSIP1;1 $\beta$	Bv2g035780_fzwq. t1	21. 109791	23. 3341825	16. 814817	17. 12506
BvSIP2;1	Bv3g064810_qzqg. t1	0. 948852	2. 182673	3. 841118	22. 51805
BvXIP1;1	Bv9g217040_iwpe. t1	8. 606247	2. 917488	1. 587379	0. 059568

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Name	seed	young leaf	young leaf (salt)	young leaf (heat)
BvPIP1;1	1.438739	63.114216	50.208286	41.594837
BvPIP1;2	15.007135	62.266872	43.013039	36.336815
BvPIP1;3	268.126465	481.735474	386.974701	766.257507
BvPIP2;1	319.232941	44.789177	36.631813	67.581169
BvPIP2;2	32.630814	1.019265	0.89456	6.006581
BvPIP2;3	0.167238	4.348359	1.856857	2.347586
BvPIP2;4	76.903748	386.642212	528.917114	749.330261
BvTIP1;1	108.438766	205.115555	862.178101	505.667999
BvTIP1;2	0	0	0	0
BvTIP1;3	11.160621	1.280572	0.885626	1.45266
BvTIP2;1	0.500361	108.375023	344.738281	449.011108
BvTIP2;2	0.983663	0.023529	0.030093	0.021434
BvTIP3;1	558.248901	0	0	0
BvTIP4;1	5.168621	20.825426	2.45968	25.147043
BvTIP5;1	0	0	0.006939	0
BvNIP1;1	6.030573	2.459336	0.817261	2.511876
BvNIP4;1	2.333961	2.269322	0.891222	0.602472
BvNIP4;2	1.495995	0.457919	0.121252	0.36433
BvNIP5;1	0	0.012337	0.002268	0.013157
BvNIP5;2	2.837413	6.64873	3.581954	3.264696
BvNIP6;1	1.760864	11.077249	5.330366	6.387152
BvNIP6;2	0	0	0	0
BvNIP6;3	0	0	0	0
BvNIP7;1	0	0.093104	0.049403	0.073512
BvSIP1;1 α	3.412658	19.309324	9.570596	11.687196
BvSIP1;1 β	9.522343	35.218609	19.464991	15.920908
BvSIP2;1	2.235126	36.36356	16.296434	17.156631
BvXIP1;1	0.699233	0.440801	0.389812	2.72492



