

Traits	eQTL candidates		eQTL + PROVEAN candidates	
	No. candidate genes	p-value	No. candidate genes	p-value
Primary comp.	9	0.12	19	0.0776
Secondary comp.	0	1	4	0.419
Intercalary comp.	8	0.2212	18	0.1261
Total comp.	5	0.3297	12	0.1521
Area	NA	NA	NA	NA
Aspect Ratio	20	0.0139	29	0.6816
Circularity	11	0.0499	15	0.5633
Roundness	19	0.0099	28	0.5178
Solidity	16	0.0117	21	0.6244
Symmmetric PC1	2	0.7214	4	0.8246
Symmmetric PC2	9	0.1796	19	0.1417
Symmmetric PC3	16	0.0129	20	0.6918
Symmmetric PC4	4	0.2689	7	0.4184
Asymmmetric PC1	NA	NA	NA	NA
Asymmmetric PC2	1	0.6806	1	0.9277
Asymmmetric PC3	3	0.1236	4	0.3122
Asymmmetric PC4	5	1.00E-04	2	0.2244

Table S2. Permutation tests for candidate gene enrichment of BIL single locus QTL using a literature-curated leaf developmental gene list together with *cis*-eQTL and radical amino acid change (PROVEAN) data.