

**Table S3. Results of t-test, two-tails, assuming unequal variances**

Figure	x-axis variables	Number of plants tested	DAG	s.e.m.	t-test
4B	Col-0	36	7	0.438984	
			6	0.332321	
			5	0.249463	
			4	0.222242	
			3	0.153572	
			2	0.067727	
	<i>bri1</i>	17	7	0.307508	4.24E-32
			6	0.270857	2.88E-31
			5	0.187355	3.62E-33
			4	0.111333	1.54E-29
			3	0.06366	1.34E-24
			2	0.024502	4.31E-23
	<i>pBRI1-BRI1-GFPox</i>	29	7	0.861004	0.17236
			6	0.633274	0.133855
			5	0.408675	0.072267
			4	0.331485	0.368105
			3	0.206744	0.547385
			2	0.060646	6.46E-07
	<i>bri1;pRCH1-BRI1-GFP</i>	15	7	0.692393	2.61E-05
			6	0.559662	1.36E-05
			5	0.374174	3.78E-07
			4	0.257299	9.46E-10
			3	0.211208	6.01E-08
			2	0.094493	3.46E-07
	<i>bri1;pGL2-BRI1-GFP 17</i>	18	7	0.490036	0.011961
			6	0.401513	0.004804
			5	0.366896	0.000585
			4	0.258642	0.000166
			3	0.138172	0.000396
			2	0.069696	3.91E-07
	<i>bri1;pGL2-BRI1-GFP 18</i>	15	7	0.687939	0.820054
			6	0.48768	0.845934
			5	0.4311	0.497419
			4	0.327084	0.246343
			3	0.217651	0.018602
			2	0.073512	5.77E-07
<i>bri1;pSCR-BRI1-GFP 32</i>	24	7	0.783854	3.75E-11	
		6	0.609589	6.26E-12	
		5	0.437592	6.82E-13	
		4	0.2591	1.23E-16	
		3	0.104613	9.65E-19	
		2	0.06745	8.88E-15	
<i>bri1;pSCR-BRI1-GFP 33</i>	21	7	0.493704	3.78E-22	
		6	0.346962	3.45E-24	
		5	0.251465	1.08E-24	
		4	0.175162	3.13E-23	
		3	0.100732	5.62E-20	
		2	0.064911	1.26E-13	
<i>bri1;pSHR-BRI1-GFP 123</i>	25	7	0.570302	1.4E-14	
		6	0.494964	8.27E-13	
		5	0.377141	2.26E-12	
		4	0.286511	4.37E-11	
		3	0.148786	2.25E-11	
		2	0.072861	2.96E-11	
<i>bri1;pSHR-BRI1-GFP 136</i>	20	7	0.538123	1.05E-20	
		6	0.471105	1.35E-18	
		5	0.354372	3.18E-18	
		4	0.217868	2.76E-20	
		3	0.109288	2.13E-20	
		2	0.066651	2.07E-12	

4C	Col-0	36	7	0.008044		
			6	0.007022		
			5	0.005604		
				4	0.006042	
				3	0.006537	
		<i>bri1</i>	17	2	0.003199	
				7	0.003375	2.43E-18
				6	0.005899	4.84E-15
				5	0.005539	5.81E-18
				4	0.002851	1.54E-22
				3	0.001957	5.1E-15
				2	0.001021	1.23E-20
		<i>pBRI1-BRI1-GFPox</i>	29	7	0.013235	0.346564
	6			0.010377	0.370884	
	5			0.00991	0.018384	
	4			0.009899	0.035046	
	3			0.007511	0.061324	
			2	0.002835	8.1E-06	
	<i>bri1;pRCH1-BRI1-GFP</i>	15	7	0.010451	0.089252	
			6	0.015838	0.312531	
			5	0.007337	0.709052	
			4	0.007821	0.001126	
			3	0.00555	6.91E-06	
			2	0.003937	1.15E-06	
	<i>bri1;pGL2-BRI1-GFP 17</i>	18	7	0.008081	0.746937	
			6	0.006626	0.167974	
			5	0.007294	0.227353	
			4	0.007176	0.004934	
			3	0.005828	0.104332	
			2	0.002904	3.53E-06	
	<i>bri1;pGL2-BRI1-GFP 18</i>	15	7	0.015178	0.340103	
			6	0.011724	0.322768	
			5	0.008221	0.363632	
			4	0.009437	0.294321	
			3	0.008251	0.950186	
			2	0.003063	3.45E-06	
	<i>bri1;pSCR-BRI1-GFP 32</i>	24	7	0.009265	6.07E-05	
			6	0.008588	1.71E-06	
			5	0.010996	0.000594	
			4	0.00859	8.14E-08	
			3	0.004525	1.79E-09	
			2	0.00281	2.55E-13	
	<i>bri1;pSCR-BRI1-GFP 33</i>	21	7	0.009586	5.11E-10	
			6	0.006772	9.68E-13	
			5	0.005274	3.54E-14	
			4	0.007798	8.7E-11	
			3	0.004077	4.21E-12	
			2	0.002662	3.2E-12	
	<i>bri1;pSHR-BRI1-GFP 123</i>	25	7	0.005768	4.19E-10	
			6	0.008983	2.63E-06	
			5	0.005911	7.8E-08	
			4	0.00764	5.26E-06	
			3	0.004887	3.55E-05	
			2	0.003036	5.6E-10	
	<i>bri1;pSHR-BRI1-GFP 136</i>	20	7	0.006821	3.03E-13	
			6	0.006713	4.88E-14	
			5	0.009348	4.21E-09	
			4	0.007731	7.47E-10	
			3	0.00286	4.7E-14	
			2	0.002777	3.95E-11	

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DAG, days after germination.