

Supplementary file S1: List of primers used for the real-time quantitative PCR assays

Gene	Accession number	Forward primer sequence (5' to 3')	Reverse primer sequence (5' to 3')	Product size (bp)	Annealing temperature (Ta)
<i>PR1a</i>	D90196	GGTCAATACGGCGAAAACC	GCCTTAGCAGCCGTCATGA	59	60
<i>ERF1</i>	D38123	TTAACGTCGGATGGTCGCCG	ACACCTCTGTAATGCCTTCC	142	62
<i>EF1- α</i>	D63396.1	TGAGATGCACCACGAAGCTC	CCAACATTGTCACCAGGAAGTG	58	65
<i>Sp-AMP</i>	AAL05053	CCTTCTGAGGGCAGTTATTTCACT	CGCGCAGCATGGTTGTTA	62	60

Supplementary file S2: Statistical significance analyses of the genes expression

2way ANOVA of *Sp-AMP*: Tabular results

	Data Set-A	Data Set-B	Data Set-C	Data Set-D	Data Set-E
Table Analyzed	Sp-AMP				
Two-way ANOVA Alpha	Ordinary 0.05				
Source of Variation	% of total variation	P value	P value summary	Significant?	
Interaction	7.910	< 0.0001	****	Yes	
Row Factor	90.58	< 0.0001	****	Yes	
Column Factor	1.513	< 0.0001	****	Yes	
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Interaction	3.363e+006	17	197848	F (17, 612) = 165179	P < 0.0001
Row Factor	3.851e+007	17	2.265e+006	F (17, 612) = 1.891e+006	P < 0.0001
Column Factor	643214	1	643214	F (1, 612) = 537007	P < 0.0001
Residual	733.0	612	1.198		
Number of missing values	0				

2way ANOVA of *Sp-AMP*:Multiple comparisons

	Data Set-A	Data Set-B	Data Set-C	Data Set-D	Data Set-E
Within each column, compare rows (simple effects within columns)					
Number of families	2				
Number of comparisons per family	153				
Alpha	0.05				
Bonferroni's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	Adjusted P Value
3 d.p.i					
WT vs. WT-M	0.01001	-1.308 to 1.328	No	ns	> 0.9999
WT vs. WT-B	0.1854	-1.133 to 1.504	No	ns	> 0.9999
WT vs. NT-C	0.3495	-0.9688 to 1.668	No	ns	> 0.9999
WT vs. NT-M	0.2142	-1.104 to 1.532	No	ns	> 0.9999
WT vs. NT-B	-0.07156	-1.390 to 1.247	No	ns	> 0.9999
WT vs. Line 2 -C	-30.54	-31.86 to -29.22	Yes	****	< 0.0001
WT vs. Line 2 -M	-55.49	-56.81 to -54.17	Yes	****	< 0.0001
WT vs. Line 2-B	-123.5	-124.8 to -122.1	Yes	****	< 0.0001
WT vs. Line 3 -C	-135.0	-136.4 to -133.7	Yes	****	< 0.0001
WT vs. Line 3-M	-220.7	-222.0 to -219.4	Yes	****	< 0.0001
WT vs. line 3-B	-1377	-1378 to -1376	Yes	****	< 0.0001
WT vs. Line 4-C	-155.0	-156.3 to -153.7	Yes	****	< 0.0001
WT vs. Line 4-M	-2.258	-3.577 to -0.9401	Yes	****	< 0.0001

WT vs. Line 4-B	-0.2776	-1.596 to 1.041	No	ns	> 0.9999
WT vs. Line 9-C	-7.098	-8.417 to -5.780	Yes	****	< 0.0001
WT vs. Line 9-M	-4.592	-5.911 to -3.274	Yes	****	< 0.0001
WT vs. Line 9-B	-14.99	-16.31 to -13.67	Yes	****	< 0.0001
WT-M vs. WT-B	0.1754	-1.143 to 1.494	No	ns	> 0.9999
WT-M vs. NT-C	0.3395	-0.9788 to 1.658	No	ns	> 0.9999
WT-M vs. NT-M	0.2042	-1.114 to 1.522	No	ns	> 0.9999
WT-M vs. NT-B	-0.08157	-1.400 to 1.237	No	ns	> 0.9999
WT-M vs. Line 2 -C	-30.55	-31.87 to -29.23	Yes	****	< 0.0001
WT-M vs. Line 2 -M	-55.50	-56.82 to -54.18	Yes	****	< 0.0001
WT-M vs. Line 2-B	-123.5	-124.8 to -122.2	Yes	****	< 0.0001
WT-M vs. Line 3 -C	-135.1	-136.4 to -133.7	Yes	****	< 0.0001
WT-M vs. Line 3-M	-220.7	-222.1 to -219.4	Yes	****	< 0.0001
WT-M vs. line 3-B	-1377	-1378 to -1376	Yes	****	< 0.0001
WT-M vs. Line 4-C	-155.0	-156.4 to -153.7	Yes	****	< 0.0001
WT-M vs. Line 4-M	-2.268	-3.587 to -0.9501	Yes	****	< 0.0001
WT-M vs. Line 4-B	-0.2876	-1.606 to 1.031	No	ns	> 0.9999
WT-M vs. Line 9-C	-7.108	-8.427 to -5.790	Yes	****	< 0.0001
WT-M vs. Line 9-M	-4.602	-5.921 to -3.284	Yes	****	< 0.0001
WT-M vs. Line 9-B	-15.00	-16.32 to -13.68	Yes	****	< 0.0001
WT-B vs. NT-C	0.1641	-1.154 to 1.482	No	ns	> 0.9999
WT-B vs. NT-M	0.02874	-1.290 to 1.347	No	ns	> 0.9999
WT-B vs. NT-B	-0.2570	-1.575 to 1.061	No	ns	> 0.9999
WT-B vs. Line 2 -C	-30.73	-32.04 to -29.41	Yes	****	< 0.0001
WT-B vs. Line 2 -M	-55.67	-56.99 to -54.36	Yes	****	< 0.0001
WT-B vs. Line 2-B	-123.7	-125.0 to -122.3	Yes	****	< 0.0001
WT-B vs. Line 3 -C	-135.2	-136.5 to -133.9	Yes	****	< 0.0001
WT-B vs. Line 3-M	-220.9	-222.2 to -219.6	Yes	****	< 0.0001
WT-B vs. line 3-B	-1377	-1378 to -1376	Yes	****	< 0.0001
WT-B vs. Line 4-C	-155.2	-156.5 to -153.9	Yes	****	< 0.0001
WT-B vs. Line 4-M	-2.444	-3.762 to -1.125	Yes	****	< 0.0001
WT-B vs. Line 4-B	-0.4630	-1.781 to 0.8553	No	ns	> 0.9999
WT-B vs. Line 9-C	-7.284	-8.602 to -5.966	Yes	****	< 0.0001
WT-B vs. Line 9-M	-4.778	-6.096 to -3.460	Yes	****	< 0.0001

WT-B vs. Line 9-B	-15.17	-16.49 to -13.86	Yes	****	< 0.0001
NT-C vs. NT-M	-0.1353	-1.454 to 1.183	No	ns	> 0.9999
NT-C vs. NT-B	-0.4210	-1.739 to 0.8972	No	ns	> 0.9999
NT-C vs. Line 2 -C	-30.89	-32.21 to -29.57	Yes	****	< 0.0001
NT-C vs. Line 2 -M	-55.84	-57.16 to -54.52	Yes	****	< 0.0001
NT-C vs. Line 2-B	-123.8	-125.1 to -122.5	Yes	****	< 0.0001
NT-C vs. Line 3 -C	-135.4	-136.7 to -134.1	Yes	****	< 0.0001
NT-C vs. Line 3-M	-221.1	-222.4 to -219.8	Yes	****	< 0.0001
NT-C vs. line 3-B	-1377	-1379 to -1376	Yes	****	< 0.0001
NT-C vs. Line 4-C	-155.4	-156.7 to -154.1	Yes	****	< 0.0001
NT-C vs. Line 4-M	-2.608	-3.926 to -1.290	Yes	****	< 0.0001
NT-C vs. Line 4-B	-0.6270	-1.945 to 0.6912	No	ns	> 0.9999
NT-C vs. Line 9-C	-7.448	-8.766 to -6.130	Yes	****	< 0.0001
NT-C vs. Line 9-M	-4.942	-6.260 to -3.624	Yes	****	< 0.0001
NT-C vs. Line 9-B	-15.34	-16.66 to -14.02	Yes	****	< 0.0001
NT-M vs. NT-B	-0.2857	-1.604 to 1.033	No	ns	> 0.9999
NT-M vs. Line 2 -C	-30.75	-32.07 to -29.44	Yes	****	< 0.0001
NT-M vs. Line 2 -M	-55.70	-57.02 to -54.38	Yes	****	< 0.0001
NT-M vs. Line 2-B	-123.7	-125.0 to -122.4	Yes	****	< 0.0001
NT-M vs. Line 3 -C	-135.3	-136.6 to -133.9	Yes	****	< 0.0001
NT-M vs. Line 3-M	-220.9	-222.3 to -219.6	Yes	****	< 0.0001
NT-M vs. line 3-B	-1377	-1378 to -1376	Yes	****	< 0.0001
NT-M vs. Line 4-C	-155.2	-156.6 to -153.9	Yes	****	< 0.0001
NT-M vs. Line 4-M	-2.473	-3.791 to -1.154	Yes	****	< 0.0001
NT-M vs. Line 4-B	-0.4917	-1.810 to 0.8266	No	ns	> 0.9999
NT-M vs. Line 9-C	-7.313	-8.631 to -5.994	Yes	****	< 0.0001
NT-M vs. Line 9-M	-4.807	-6.125 to -3.488	Yes	****	< 0.0001
NT-M vs. Line 9-B	-15.20	-16.52 to -13.88	Yes	****	< 0.0001
NT-B vs. Line 2 -C	-30.47	-31.79 to -29.15	Yes	****	< 0.0001
NT-B vs. Line 2 -M	-55.42	-56.74 to -54.10	Yes	****	< 0.0001
NT-B vs. Line 2-B	-123.4	-124.7 to -122.1	Yes	****	< 0.0001
NT-B vs. Line 3 -C	-135.0	-136.3 to -133.7	Yes	****	< 0.0001
NT-B vs. Line 3-M	-220.7	-222.0 to -219.3	Yes	****	< 0.0001
NT-B vs. line 3-B	-1377	-1378 to -1376	Yes	****	< 0.0001

NT-B vs. Line 4-C	-155.0	-156.3 to -153.6	Yes	****	< 0.0001
NT-B vs. Line 4-M	-2.187	-3.505 to -0.8685	Yes	****	< 0.0001
NT-B vs. Line 4-B	-0.2060	-1.524 to 1.112	No	ns	> 0.9999
NT-B vs. Line 9-C	-7.027	-8.345 to -5.709	Yes	****	< 0.0001
NT-B vs. Line 9-M	-4.521	-5.839 to -3.203	Yes	****	< 0.0001
NT-B vs. Line 9-B	-14.92	-16.24 to -13.60	Yes	****	< 0.0001
Line 2 -C vs. Line 2 -M	-24.95	-26.27 to -23.63	Yes	****	< 0.0001
Line 2 -C vs. Line 2-B	-92.93	-94.24 to -91.61	Yes	****	< 0.0001
Line 2 -C vs. Line 3 -C	-104.5	-105.8 to -103.2	Yes	****	< 0.0001
Line 2 -C vs. Line 3-M	-190.2	-191.5 to -188.9	Yes	****	< 0.0001
Line 2 -C vs. line 3-B	-1346	-1348 to -1345	Yes	****	< 0.0001
Line 2 -C vs. Line 4-C	-124.5	-125.8 to -123.2	Yes	****	< 0.0001
Line 2 -C vs. Line 4-M	28.28	26.96 to 29.60	Yes	****	< 0.0001
Line 2 -C vs. Line 4-B	30.26	28.94 to 31.58	Yes	****	< 0.0001
Line 2 -C vs. Line 9-C	23.44	22.12 to 24.76	Yes	****	< 0.0001
Line 2 -C vs. Line 9-M	25.95	24.63 to 27.27	Yes	****	< 0.0001
Line 2 -C vs. Line 9-B	15.55	14.23 to 16.87	Yes	****	< 0.0001
Line 2 -M vs. Line 2-B	-67.98	-69.30 to -66.66	Yes	****	< 0.0001
Line 2 -M vs. Line 3 -C	-79.56	-80.88 to -78.24	Yes	****	< 0.0001
Line 2 -M vs. Line 3-M	-165.2	-166.6 to -163.9	Yes	****	< 0.0001
Line 2 -M vs. line 3-B	-1321	-1323 to -1320	Yes	****	< 0.0001
Line 2 -M vs. Line 4-C	-99.54	-100.9 to -98.22	Yes	****	< 0.0001
Line 2 -M vs. Line 4-M	53.23	51.91 to 54.55	Yes	****	< 0.0001
Line 2 -M vs. Line 4-B	55.21	53.89 to 56.53	Yes	****	< 0.0001
Line 2 -M vs. Line 9-C	48.39	47.07 to 49.71	Yes	****	< 0.0001
Line 2 -M vs. Line 9-M	50.90	49.58 to 52.21	Yes	****	< 0.0001
Line 2 -M vs. Line 9-B	40.50	39.18 to 41.82	Yes	****	< 0.0001
Line 2-B vs. Line 3 -C	-11.58	-12.90 to -10.26	Yes	****	< 0.0001
Line 2-B vs. Line 3-M	-97.26	-98.58 to -95.94	Yes	****	< 0.0001
Line 2-B vs. line 3-B	-1253	-1255 to -1252	Yes	****	< 0.0001
Line 2-B vs. Line 4-C	-31.56	-32.88 to -30.24	Yes	****	< 0.0001
Line 2-B vs. Line 4-M	121.2	119.9 to 122.5	Yes	****	< 0.0001
Line 2-B vs. Line 4-B	123.2	121.9 to 124.5	Yes	****	< 0.0001
Line 2-B vs. Line 9-C	116.4	115.0 to 117.7	Yes	****	< 0.0001

Line 2-B vs. Line 9-M	118.9	117.6 to 120.2	Yes	****	< 0.0001
Line 2-B vs. Line 9-B	108.5	107.2 to 109.8	Yes	****	< 0.0001
Line 3 -C vs. Line 3-M	-85.68	-87.00 to -84.36	Yes	****	< 0.0001
Line 3 -C vs. line 3-B	-1242	-1243 to -1241	Yes	****	< 0.0001
Line 3 -C vs. Line 4-C	-19.98	-21.30 to -18.66	Yes	****	< 0.0001
Line 3 -C vs. Line 4-M	132.8	131.5 to 134.1	Yes	****	< 0.0001
Line 3 -C vs. Line 4-B	134.8	133.4 to 136.1	Yes	****	< 0.0001
Line 3 -C vs. Line 9-C	127.9	126.6 to 129.3	Yes	****	< 0.0001
Line 3 -C vs. Line 9-M	130.5	129.1 to 131.8	Yes	****	< 0.0001
Line 3 -C vs. Line 9-B	120.1	118.7 to 121.4	Yes	****	< 0.0001
Line 3-M vs. line 3-B	-1156	-1158 to -1155	Yes	****	< 0.0001
Line 3-M vs. Line 4-C	65.70	64.38 to 67.02	Yes	****	< 0.0001
Line 3-M vs. Line 4-M	218.5	217.2 to 219.8	Yes	****	< 0.0001
Line 3-M vs. Line 4-B	220.4	219.1 to 221.8	Yes	****	< 0.0001
Line 3-M vs. Line 9-C	213.6	212.3 to 214.9	Yes	****	< 0.0001
Line 3-M vs. Line 9-M	216.1	214.8 to 217.5	Yes	****	< 0.0001
Line 3-M vs. Line 9-B	205.7	204.4 to 207.1	Yes	****	< 0.0001
line 3-B vs. Line 4-C	1222	1221 to 1223	Yes	****	< 0.0001
line 3-B vs. Line 4-M	1375	1373 to 1376	Yes	****	< 0.0001
line 3-B vs. Line 4-B	1377	1375 to 1378	Yes	****	< 0.0001
line 3-B vs. Line 9-C	1370	1369 to 1371	Yes	****	< 0.0001
line 3-B vs. Line 9-M	1372	1371 to 1374	Yes	****	< 0.0001
line 3-B vs. Line 9-B	1362	1361 to 1363	Yes	****	< 0.0001
Line 4-C vs. Line 4-M	152.8	151.4 to 154.1	Yes	****	< 0.0001
Line 4-C vs. Line 4-B	154.7	153.4 to 156.1	Yes	****	< 0.0001
Line 4-C vs. Line 9-C	147.9	146.6 to 149.2	Yes	****	< 0.0001
Line 4-C vs. Line 9-M	150.4	149.1 to 151.7	Yes	****	< 0.0001
Line 4-C vs. Line 9-B	140.0	138.7 to 141.4	Yes	****	< 0.0001
Line 4-M vs. Line 4-B	1.981	0.6625 to 3.299	Yes	****	< 0.0001
Line 4-M vs. Line 9-C	-4.840	-6.158 to -3.522	Yes	****	< 0.0001
Line 4-M vs. Line 9-M	-2.334	-3.652 to -1.016	Yes	****	< 0.0001
Line 4-M vs. Line 9-B	-12.73	-14.05 to -11.41	Yes	****	< 0.0001
Line 4-B vs. Line 9-C	-6.821	-8.139 to -5.503	Yes	****	< 0.0001
Line 4-B vs. Line 9-M	-4.315	-5.633 to -2.997	Yes	****	< 0.0001

Line 4-B vs. Line 9-B	-14.71	-16.03 to -13.39	Yes	****	< 0.0001
Line 9-C vs. Line 9-M	2.506	1.188 to 3.824	Yes	****	< 0.0001
Line 9-C vs. Line 9-B	-7.890	-9.208 to -6.572	Yes	****	< 0.0001
Line 9-M vs. Line 9-B	-10.40	-11.71 to -9.078	Yes	****	< 0.0001
5 d.p.i					
WT vs. WT-M	-0.07062	-1.389 to 1.248	No	ns	> 0.9999
WT vs. WT-B	-0.08264	-1.401 to 1.236	No	ns	> 0.9999
WT vs. NT-C	-0.1317	-1.450 to 1.187	No	ns	> 0.9999
WT vs. NT-M	-0.7039	-2.022 to 0.6144	No	ns	> 0.9999
WT vs. NT-B	-0.9348	-2.253 to 0.3835	No	ns	> 0.9999
WT vs. Line 2 -C	-72.92	-74.24 to -71.60	Yes	****	< 0.0001
WT vs. Line 2 -M	-59.20	-60.52 to -57.88	Yes	****	< 0.0001
WT vs. Line 2-B	-34.12	-35.43 to -32.80	Yes	****	< 0.0001
WT vs. Line 3 -C	-11.75	-13.07 to -10.43	Yes	****	< 0.0001
WT vs. Line 3-M	-2.488	-3.807 to -1.170	Yes	****	< 0.0001
WT vs. line 3-B	-785.1	-786.4 to -783.8	Yes	****	< 0.0001
WT vs. Line 4-C	-11.06	-12.38 to -9.742	Yes	****	< 0.0001
WT vs. Line 4-M	-0.3107	-1.629 to 1.008	No	ns	> 0.9999
WT vs. Line 4-B	-0.9665	-2.285 to 0.3518	No	ns	> 0.9999
WT vs. Line 9-C	-5.798	-7.116 to -4.480	Yes	****	< 0.0001
WT vs. Line 9-M	-1.851	-3.169 to -0.5323	Yes	****	< 0.0001
WT vs. Line 9-B	-16.46	-17.78 to -15.14	Yes	****	< 0.0001
WT-M vs. WT-B	-0.01202	-1.330 to 1.306	No	ns	> 0.9999
WT-M vs. NT-C	-0.06104	-1.379 to 1.257	No	ns	> 0.9999
WT-M vs. NT-M	-0.6333	-1.952 to 0.6850	No	ns	> 0.9999
WT-M vs. NT-B	-0.8642	-2.182 to 0.4541	No	ns	> 0.9999
WT-M vs. Line 2 -C	-72.85	-74.17 to -71.53	Yes	****	< 0.0001
WT-M vs. Line 2 -M	-59.13	-60.45 to -57.81	Yes	****	< 0.0001
WT-M vs. Line 2-B	-34.04	-35.36 to -32.73	Yes	****	< 0.0001
WT-M vs. Line 3 -C	-11.68	-12.99 to -10.36	Yes	****	< 0.0001
WT-M vs. Line 3-M	-2.418	-3.736 to -1.099	Yes	****	< 0.0001
WT-M vs. line 3-B	-785.0	-786.4 to -783.7	Yes	****	< 0.0001
WT-M vs. Line 4-C	-10.99	-12.31 to -9.671	Yes	****	< 0.0001

WT-M vs. Line 4-M	-0.2401	-1.558 to 1.078	No	ns	> 0.9999
WT-M vs. Line 4-B	-0.8959	-2.214 to 0.4224	No	ns	> 0.9999
WT-M vs. Line 9-C	-5.727	-7.046 to -4.409	Yes	****	< 0.0001
WT-M vs. Line 9-M	-1.780	-3.098 to -0.4617	Yes	***	0.0002
WT-M vs. Line 9-B	-16.39	-17.71 to -15.07	Yes	****	< 0.0001
WT-B vs. NT-C	-0.04902	-1.367 to 1.269	No	ns	> 0.9999
WT-B vs. NT-M	-0.6213	-1.940 to 0.6970	No	ns	> 0.9999
WT-B vs. NT-B	-0.8522	-2.170 to 0.4661	No	ns	> 0.9999
WT-B vs. Line 2 -C	-72.84	-74.15 to -71.52	Yes	****	< 0.0001
WT-B vs. Line 2 -M	-59.12	-60.44 to -57.80	Yes	****	< 0.0001
WT-B vs. Line 2-B	-34.03	-35.35 to -32.71	Yes	****	< 0.0001
WT-B vs. Line 3 -C	-11.66	-12.98 to -10.35	Yes	****	< 0.0001
WT-B vs. Line 3-M	-2.406	-3.724 to -1.087	Yes	****	< 0.0001
WT-B vs. line 3-B	-785.0	-786.3 to -783.7	Yes	****	< 0.0001
WT-B vs. Line 4-C	-10.98	-12.30 to -9.659	Yes	****	< 0.0001
WT-B vs. Line 4-M	-0.2281	-1.546 to 1.090	No	ns	> 0.9999
WT-B vs. Line 4-B	-0.8839	-2.202 to 0.4344	No	ns	> 0.9999
WT-B vs. Line 9-C	-5.715	-7.034 to -4.397	Yes	****	< 0.0001
WT-B vs. Line 9-M	-1.768	-3.086 to -0.4497	Yes	***	0.0002
WT-B vs. Line 9-B	-16.38	-17.70 to -15.06	Yes	****	< 0.0001
NT-C vs. NT-M	-0.5723	-1.891 to 0.7460	No	ns	> 0.9999
NT-C vs. NT-B	-0.8032	-2.121 to 0.5151	No	ns	> 0.9999
NT-C vs. Line 2 -C	-72.79	-74.11 to -71.47	Yes	****	< 0.0001
NT-C vs. Line 2 -M	-59.07	-60.39 to -57.75	Yes	****	< 0.0001
NT-C vs. Line 2-B	-33.98	-35.30 to -32.67	Yes	****	< 0.0001
NT-C vs. Line 3 -C	-11.62	-12.93 to -10.30	Yes	****	< 0.0001
NT-C vs. Line 3-M	-2.357	-3.675 to -1.038	Yes	****	< 0.0001
NT-C vs. line 3-B	-785.0	-786.3 to -783.7	Yes	****	< 0.0001
NT-C vs. Line 4-C	-10.93	-12.25 to -9.610	Yes	****	< 0.0001
NT-C vs. Line 4-M	-0.1790	-1.497 to 1.139	No	ns	> 0.9999
NT-C vs. Line 4-B	-0.8348	-2.153 to 0.4834	No	ns	> 0.9999
NT-C vs. Line 9-C	-5.666	-6.985 to -4.348	Yes	****	< 0.0001
NT-C vs. Line 9-M	-1.719	-3.037 to -0.4007	Yes	***	0.0005
NT-C vs. Line 9-B	-16.33	-17.65 to -15.01	Yes	****	< 0.0001

NT-M vs. NT-B	-0.2309	-1.549 to 1.087	No	ns	> 0.9999
NT-M vs. Line 2 -C	-72.22	-73.53 to -70.90	Yes	****	< 0.0001
NT-M vs. Line 2 -M	-58.50	-59.81 to -57.18	Yes	****	< 0.0001
NT-M vs. Line 2-B	-33.41	-34.73 to -32.09	Yes	****	< 0.0001
NT-M vs. Line 3 -C	-11.04	-12.36 to -9.725	Yes	****	< 0.0001
NT-M vs. Line 3-M	-1.784	-3.103 to -0.4661	Yes	***	0.0002
NT-M vs. line 3-B	-784.4	-785.7 to -783.1	Yes	****	< 0.0001
NT-M vs. Line 4-C	-10.36	-11.67 to -9.038	Yes	****	< 0.0001
NT-M vs. Line 4-M	0.3932	-0.9251 to 1.712	No	ns	> 0.9999
NT-M vs. Line 4-B	-0.2626	-1.581 to 1.056	No	ns	> 0.9999
NT-M vs. Line 9-C	-5.094	-6.412 to -3.776	Yes	****	< 0.0001
NT-M vs. Line 9-M	-1.147	-2.465 to 0.1716	No	ns	0.2680
NT-M vs. Line 9-B	-15.76	-17.08 to -14.44	Yes	****	< 0.0001
NT-B vs. Line 2 -C	-71.98	-73.30 to -70.67	Yes	****	< 0.0001
NT-B vs. Line 2 -M	-58.26	-59.58 to -56.95	Yes	****	< 0.0001
NT-B vs. Line 2-B	-33.18	-34.50 to -31.86	Yes	****	< 0.0001
NT-B vs. Line 3 -C	-10.81	-12.13 to -9.494	Yes	****	< 0.0001
NT-B vs. Line 3-M	-1.553	-2.872 to -0.2352	Yes	**	0.0036
NT-B vs. line 3-B	-784.2	-785.5 to -782.9	Yes	****	< 0.0001
NT-B vs. Line 4-C	-10.13	-11.44 to -8.807	Yes	****	< 0.0001
NT-B vs. Line 4-M	0.6241	-0.6942 to 1.942	No	ns	> 0.9999
NT-B vs. Line 4-B	-0.03168	-1.350 to 1.287	No	ns	> 0.9999
NT-B vs. Line 9-C	-4.863	-6.182 to -3.545	Yes	****	< 0.0001
NT-B vs. Line 9-M	-0.9158	-2.234 to 0.4025	No	ns	> 0.9999
NT-B vs. Line 9-B	-15.53	-16.84 to -14.21	Yes	****	< 0.0001
Line 2 -C vs. Line 2 -M	13.72	12.40 to 15.04	Yes	****	< 0.0001
Line 2 -C vs. Line 2-B	38.80	37.49 to 40.12	Yes	****	< 0.0001
Line 2 -C vs. Line 3 -C	61.17	59.85 to 62.49	Yes	****	< 0.0001
Line 2 -C vs. Line 3-M	70.43	69.11 to 71.75	Yes	****	< 0.0001
Line 2 -C vs. line 3-B	-712.2	-713.5 to -710.9	Yes	****	< 0.0001
Line 2 -C vs. Line 4-C	61.86	60.54 to 63.18	Yes	****	< 0.0001
Line 2 -C vs. Line 4-M	72.61	71.29 to 73.93	Yes	****	< 0.0001
Line 2 -C vs. Line 4-B	71.95	70.63 to 73.27	Yes	****	< 0.0001
Line 2 -C vs. Line 9-C	67.12	65.80 to 68.44	Yes	****	< 0.0001

Line 2 -C vs. Line 9-M	71.07	69.75 to 72.39	Yes	****	< 0.0001
Line 2 -C vs. Line 9-B	56.46	55.14 to 57.78	Yes	****	< 0.0001
Line 2 -M vs. Line 2-B	25.08	23.77 to 26.40	Yes	****	< 0.0001
Line 2 -M vs. Line 3 -C	47.45	46.13 to 48.77	Yes	****	< 0.0001
Line 2 -M vs. Line 3-M	56.71	55.39 to 58.03	Yes	****	< 0.0001
Line 2 -M vs. line 3-B	-725.9	-727.2 to -724.6	Yes	****	< 0.0001
Line 2 -M vs. Line 4-C	48.14	46.82 to 49.46	Yes	****	< 0.0001
Line 2 -M vs. Line 4-M	58.89	57.57 to 60.21	Yes	****	< 0.0001
Line 2 -M vs. Line 4-B	58.23	56.91 to 59.55	Yes	****	< 0.0001
Line 2 -M vs. Line 9-C	53.40	52.08 to 54.72	Yes	****	< 0.0001
Line 2 -M vs. Line 9-M	57.35	56.03 to 58.67	Yes	****	< 0.0001
Line 2 -M vs. Line 9-B	42.74	41.42 to 44.06	Yes	****	< 0.0001
Line 2-B vs. Line 3 -C	22.37	21.05 to 23.69	Yes	****	< 0.0001
Line 2-B vs. Line 3-M	31.63	30.31 to 32.95	Yes	****	< 0.0001
Line 2-B vs. line 3-B	-751.0	-752.3 to -749.7	Yes	****	< 0.0001
Line 2-B vs. Line 4-C	23.05	21.74 to 24.37	Yes	****	< 0.0001
Line 2-B vs. Line 4-M	33.80	32.49 to 35.12	Yes	****	< 0.0001
Line 2-B vs. Line 4-B	33.15	31.83 to 34.47	Yes	****	< 0.0001
Line 2-B vs. Line 9-C	28.32	27.00 to 29.64	Yes	****	< 0.0001
Line 2-B vs. Line 9-M	32.26	30.95 to 33.58	Yes	****	< 0.0001
Line 2-B vs. Line 9-B	17.65	16.34 to 18.97	Yes	****	< 0.0001
Line 3 -C vs. Line 3-M	9.259	7.940 to 10.58	Yes	****	< 0.0001
Line 3 -C vs. line 3-B	-773.4	-774.7 to -772.0	Yes	****	< 0.0001
Line 3 -C vs. Line 4-C	0.6869	-0.6314 to 2.005	No	ns	> 0.9999
Line 3 -C vs. Line 4-M	11.44	10.12 to 12.75	Yes	****	< 0.0001
Line 3 -C vs. Line 4-B	10.78	9.462 to 12.10	Yes	****	< 0.0001
Line 3 -C vs. Line 9-C	5.949	4.631 to 7.267	Yes	****	< 0.0001
Line 3 -C vs. Line 9-M	9.896	8.578 to 11.21	Yes	****	< 0.0001
Line 3 -C vs. Line 9-B	-4.714	-6.032 to -3.395	Yes	****	< 0.0001
Line 3-M vs. line 3-B	-782.6	-783.9 to -781.3	Yes	****	< 0.0001
Line 3-M vs. Line 4-C	-8.572	-9.890 to -7.254	Yes	****	< 0.0001
Line 3-M vs. Line 4-M	2.178	0.8593 to 3.496	Yes	****	< 0.0001
Line 3-M vs. Line 4-B	1.522	0.2035 to 2.840	Yes	**	0.0053
Line 3-M vs. Line 9-C	-3.310	-4.628 to -1.992	Yes	****	< 0.0001

Line 3-M vs. Line 9-M	0.6377	-0.6806 to 1.956	No	ns	> 0.9999
Line 3-M vs. Line 9-B	-13.97	-15.29 to -12.65	Yes	****	< 0.0001
line 3-B vs. Line 4-C	774.0	772.7 to 775.4	Yes	****	< 0.0001
line 3-B vs. Line 4-M	784.8	783.5 to 786.1	Yes	****	< 0.0001
line 3-B vs. Line 4-B	784.1	782.8 to 785.5	Yes	****	< 0.0001
line 3-B vs. Line 9-C	779.3	778.0 to 780.6	Yes	****	< 0.0001
line 3-B vs. Line 9-M	783.3	781.9 to 784.6	Yes	****	< 0.0001
line 3-B vs. Line 9-B	768.6	767.3 to 770.0	Yes	****	< 0.0001
Line 4-C vs. Line 4-M	10.75	9.431 to 12.07	Yes	****	< 0.0001
Line 4-C vs. Line 4-B	10.09	8.775 to 11.41	Yes	****	< 0.0001
Line 4-C vs. Line 9-C	5.262	3.944 to 6.580	Yes	****	< 0.0001
Line 4-C vs. Line 9-M	9.210	7.891 to 10.53	Yes	****	< 0.0001
Line 4-C vs. Line 9-B	-5.401	-6.719 to -4.082	Yes	****	< 0.0001
Line 4-M vs. Line 4-B	-0.6558	-1.974 to 0.6625	No	ns	> 0.9999
Line 4-M vs. Line 9-C	-5.487	-6.806 to -4.169	Yes	****	< 0.0001
Line 4-M vs. Line 9-M	-1.540	-2.858 to -0.2216	Yes	**	0.0043
Line 4-M vs. Line 9-B	-16.15	-17.47 to -14.83	Yes	****	< 0.0001
Line 4-B vs. Line 9-C	-4.832	-6.150 to -3.513	Yes	****	< 0.0001
Line 4-B vs. Line 9-M	-0.8841	-2.202 to 0.4342	No	ns	> 0.9999
Line 4-B vs. Line 9-B	-15.49	-16.81 to -14.18	Yes	****	< 0.0001
Line 9-C vs. Line 9-M	3.947	2.629 to 5.266	Yes	****	< 0.0001
Line 9-C vs. Line 9-B	-10.66	-11.98 to -9.344	Yes	****	< 0.0001
Line 9-M vs. Line 9-B	-14.61	-15.93 to -13.29	Yes	****	< 0.0001
Test details					N1
	Mean 1	Mean 2	Mean Diff.	SE of diff.	
3 d.p.i					
WT vs. WT-M	0.7224	0.7124	0.01001	0.3648	18
WT vs. WT-B	0.7224	0.5370	0.1854	0.3648	18
WT vs. NT-C	0.7224	0.3730	0.3495	0.3648	18
WT vs. NT-M	0.7224	0.5083	0.2142	0.3648	18
WT vs. NT-B	0.7224	0.7940	-0.07156	0.3648	18
WT vs. Line 2 -C	0.7224	31.26	-30.54	0.3648	18

WT vs. Line 2 -M	0.7224	56.21	-55.49	0.3648	18
WT vs. Line 2-B	0.7224	124.2	-123.5	0.3648	18
WT vs. Line 3 -C	0.7224	135.8	-135.0	0.3648	18
WT vs. Line 3-M	0.7224	221.4	-220.7	0.3648	18
WT vs. line 3-B	0.7224	1378	-1377	0.3648	18
WT vs. Line 4-C	0.7224	155.7	-155.0	0.3648	18
WT vs. Line 4-M	0.7224	2.981	-2.258	0.3648	18
WT vs. Line 4-B	0.7224	1.000	-0.2776	0.3648	18
WT vs. Line 9-C	0.7224	7.821	-7.098	0.3648	18
WT vs. Line 9-M	0.7224	5.315	-4.592	0.3648	18
WT vs. Line 9-B	0.7224	15.71	-14.99	0.3648	18
WT-M vs. WT-B	0.7124	0.5370	0.1754	0.3648	18
WT-M vs. NT-C	0.7124	0.3730	0.3395	0.3648	18
WT-M vs. NT-M	0.7124	0.5083	0.2042	0.3648	18
WT-M vs. NT-B	0.7124	0.7940	-0.08157	0.3648	18
WT-M vs. Line 2 -C	0.7124	31.26	-30.55	0.3648	18
WT-M vs. Line 2 -M	0.7124	56.21	-55.50	0.3648	18
WT-M vs. Line 2-B	0.7124	124.2	-123.5	0.3648	18
WT-M vs. Line 3 -C	0.7124	135.8	-135.1	0.3648	18
WT-M vs. Line 3-M	0.7124	221.4	-220.7	0.3648	18
WT-M vs. line 3-B	0.7124	1378	-1377	0.3648	18
WT-M vs. Line 4-C	0.7124	155.7	-155.0	0.3648	18
WT-M vs. Line 4-M	0.7124	2.981	-2.268	0.3648	18
WT-M vs. Line 4-B	0.7124	1.000	-0.2876	0.3648	18
WT-M vs. Line 9-C	0.7124	7.821	-7.108	0.3648	18
WT-M vs. Line 9-M	0.7124	5.315	-4.602	0.3648	18
WT-M vs. Line 9-B	0.7124	15.71	-15.00	0.3648	18
WT-B vs. NT-C	0.5370	0.3730	0.1641	0.3648	18
WT-B vs. NT-M	0.5370	0.5083	0.02874	0.3648	18
WT-B vs. NT-B	0.5370	0.7940	-0.2570	0.3648	18
WT-B vs. Line 2 -C	0.5370	31.26	-30.73	0.3648	18
WT-B vs. Line 2 -M	0.5370	56.21	-55.67	0.3648	18
WT-B vs. Line 2-B	0.5370	124.2	-123.7	0.3648	18
WT-B vs. Line 3 -C	0.5370	135.8	-135.2	0.3648	18

WT-B vs. Line 3-M	0.5370	221.4	-220.9	0.3648	18
WT-B vs. line 3-B	0.5370	1378	-1377	0.3648	18
WT-B vs. Line 4-C	0.5370	155.7	-155.2	0.3648	18
WT-B vs. Line 4-M	0.5370	2.981	-2.444	0.3648	18
WT-B vs. Line 4-B	0.5370	1.000	-0.4630	0.3648	18
WT-B vs. Line 9-C	0.5370	7.821	-7.284	0.3648	18
WT-B vs. Line 9-M	0.5370	5.315	-4.778	0.3648	18
WT-B vs. Line 9-B	0.5370	15.71	-15.17	0.3648	18
NT-C vs. NT-M	0.3730	0.5083	-0.1353	0.3648	18
NT-C vs. NT-B	0.3730	0.7940	-0.4210	0.3648	18
NT-C vs. Line 2 -C	0.3730	31.26	-30.89	0.3648	18
NT-C vs. Line 2 -M	0.3730	56.21	-55.84	0.3648	18
NT-C vs. Line 2-B	0.3730	124.2	-123.8	0.3648	18
NT-C vs. Line 3 -C	0.3730	135.8	-135.4	0.3648	18
NT-C vs. Line 3-M	0.3730	221.4	-221.1	0.3648	18
NT-C vs. line 3-B	0.3730	1378	-1377	0.3648	18
NT-C vs. Line 4-C	0.3730	155.7	-155.4	0.3648	18
NT-C vs. Line 4-M	0.3730	2.981	-2.608	0.3648	18
NT-C vs. Line 4-B	0.3730	1.000	-0.6270	0.3648	18
NT-C vs. Line 9-C	0.3730	7.821	-7.448	0.3648	18
NT-C vs. Line 9-M	0.3730	5.315	-4.942	0.3648	18
NT-C vs. Line 9-B	0.3730	15.71	-15.34	0.3648	18
NT-M vs. NT-B	0.5083	0.7940	-0.2857	0.3648	18
NT-M vs. Line 2 -C	0.5083	31.26	-30.75	0.3648	18
NT-M vs. Line 2 -M	0.5083	56.21	-55.70	0.3648	18
NT-M vs. Line 2-B	0.5083	124.2	-123.7	0.3648	18
NT-M vs. Line 3 -C	0.5083	135.8	-135.3	0.3648	18
NT-M vs. Line 3-M	0.5083	221.4	-220.9	0.3648	18
NT-M vs. line 3-B	0.5083	1378	-1377	0.3648	18
NT-M vs. Line 4-C	0.5083	155.7	-155.2	0.3648	18
NT-M vs. Line 4-M	0.5083	2.981	-2.473	0.3648	18
NT-M vs. Line 4-B	0.5083	1.000	-0.4917	0.3648	18
NT-M vs. Line 9-C	0.5083	7.821	-7.313	0.3648	18
NT-M vs. Line 9-M	0.5083	5.315	-4.807	0.3648	18

NT-M vs. Line 9-B	0.5083	15.71	-15.20	0.3648	18
NT-B vs. Line 2 -C	0.7940	31.26	-30.47	0.3648	18
NT-B vs. Line 2 -M	0.7940	56.21	-55.42	0.3648	18
NT-B vs. Line 2-B	0.7940	124.2	-123.4	0.3648	18
NT-B vs. Line 3 -C	0.7940	135.8	-135.0	0.3648	18
NT-B vs. Line 3-M	0.7940	221.4	-220.7	0.3648	18
NT-B vs. line 3-B	0.7940	1378	-1377	0.3648	18
NT-B vs. Line 4-C	0.7940	155.7	-155.0	0.3648	18
NT-B vs. Line 4-M	0.7940	2.981	-2.187	0.3648	18
NT-B vs. Line 4-B	0.7940	1.000	-0.2060	0.3648	18
NT-B vs. Line 9-C	0.7940	7.821	-7.027	0.3648	18
NT-B vs. Line 9-M	0.7940	5.315	-4.521	0.3648	18
NT-B vs. Line 9-B	0.7940	15.71	-14.92	0.3648	18
Line 2 -C vs. Line 2 -M	31.26	56.21	-24.95	0.3648	18
Line 2 -C vs. Line 2-B	31.26	124.2	-92.93	0.3648	18
Line 2 -C vs. Line 3 -C	31.26	135.8	-104.5	0.3648	18
Line 2 -C vs. Line 3-M	31.26	221.4	-190.2	0.3648	18
Line 2 -C vs. line 3-B	31.26	1378	-1346	0.3648	18
Line 2 -C vs. Line 4-C	31.26	155.7	-124.5	0.3648	18
Line 2 -C vs. Line 4-M	31.26	2.981	28.28	0.3648	18
Line 2 -C vs. Line 4-B	31.26	1.000	30.26	0.3648	18
Line 2 -C vs. Line 9-C	31.26	7.821	23.44	0.3648	18
Line 2 -C vs. Line 9-M	31.26	5.315	25.95	0.3648	18
Line 2 -C vs. Line 9-B	31.26	15.71	15.55	0.3648	18
Line 2 -M vs. Line 2-B	56.21	124.2	-67.98	0.3648	18
Line 2 -M vs. Line 3 -C	56.21	135.8	-79.56	0.3648	18
Line 2 -M vs. Line 3-M	56.21	221.4	-165.2	0.3648	18
Line 2 -M vs. line 3-B	56.21	1378	-1321	0.3648	18
Line 2 -M vs. Line 4-C	56.21	155.7	-99.54	0.3648	18
Line 2 -M vs. Line 4-M	56.21	2.981	53.23	0.3648	18
Line 2 -M vs. Line 4-B	56.21	1.000	55.21	0.3648	18
Line 2 -M vs. Line 9-C	56.21	7.821	48.39	0.3648	18
Line 2 -M vs. Line 9-M	56.21	5.315	50.90	0.3648	18
Line 2 -M vs. Line 9-B	56.21	15.71	40.50	0.3648	18

Line 2-B vs. Line 3 -C	124.2	135.8	-11.58	0.3648	18
Line 2-B vs. Line 3-M	124.2	221.4	-97.26	0.3648	18
Line 2-B vs. line 3-B	124.2	1378	-1253	0.3648	18
Line 2-B vs. Line 4-C	124.2	155.7	-31.56	0.3648	18
Line 2-B vs. Line 4-M	124.2	2.981	121.2	0.3648	18
Line 2-B vs. Line 4-B	124.2	1.000	123.2	0.3648	18
Line 2-B vs. Line 9-C	124.2	7.821	116.4	0.3648	18
Line 2-B vs. Line 9-M	124.2	5.315	118.9	0.3648	18
Line 2-B vs. Line 9-B	124.2	15.71	108.5	0.3648	18
Line 3 -C vs. Line 3-M	135.8	221.4	-85.68	0.3648	18
Line 3 -C vs. line 3-B	135.8	1378	-1242	0.3648	18
Line 3 -C vs. Line 4-C	135.8	155.7	-19.98	0.3648	18
Line 3 -C vs. Line 4-M	135.8	2.981	132.8	0.3648	18
Line 3 -C vs. Line 4-B	135.8	1.000	134.8	0.3648	18
Line 3 -C vs. Line 9-C	135.8	7.821	127.9	0.3648	18
Line 3 -C vs. Line 9-M	135.8	5.315	130.5	0.3648	18
Line 3 -C vs. Line 9-B	135.8	15.71	120.1	0.3648	18
Line 3-M vs. line 3-B	221.4	1378	-1156	0.3648	18
Line 3-M vs. Line 4-C	221.4	155.7	65.70	0.3648	18
Line 3-M vs. Line 4-M	221.4	2.981	218.5	0.3648	18
Line 3-M vs. Line 4-B	221.4	1.000	220.4	0.3648	18
Line 3-M vs. Line 9-C	221.4	7.821	213.6	0.3648	18
Line 3-M vs. Line 9-M	221.4	5.315	216.1	0.3648	18
Line 3-M vs. Line 9-B	221.4	15.71	205.7	0.3648	18
line 3-B vs. Line 4-C	1378	155.7	1222	0.3648	18
line 3-B vs. Line 4-M	1378	2.981	1375	0.3648	18
line 3-B vs. Line 4-B	1378	1.000	1377	0.3648	18
line 3-B vs. Line 9-C	1378	7.821	1370	0.3648	18
line 3-B vs. Line 9-M	1378	5.315	1372	0.3648	18
line 3-B vs. Line 9-B	1378	15.71	1362	0.3648	18
Line 4-C vs. Line 4-M	155.7	2.981	152.8	0.3648	18
Line 4-C vs. Line 4-B	155.7	1.000	154.7	0.3648	18
Line 4-C vs. Line 9-C	155.7	7.821	147.9	0.3648	18
Line 4-C vs. Line 9-M	155.7	5.315	150.4	0.3648	18

Line 4-C vs. Line 9-B	155.7	15.71	140.0	0.3648	18
Line 4-M vs. Line 4-B	2.981	1.000	1.981	0.3648	18
Line 4-M vs. Line 9-C	2.981	7.821	-4.840	0.3648	18
Line 4-M vs. Line 9-M	2.981	5.315	-2.334	0.3648	18
Line 4-M vs. Line 9-B	2.981	15.71	-12.73	0.3648	18
Line 4-B vs. Line 9-C	1.000	7.821	-6.821	0.3648	18
Line 4-B vs. Line 9-M	1.000	5.315	-4.315	0.3648	18
Line 4-B vs. Line 9-B	1.000	15.71	-14.71	0.3648	18
Line 9-C vs. Line 9-M	7.821	5.315	2.506	0.3648	18
Line 9-C vs. Line 9-B	7.821	15.71	-7.890	0.3648	18
Line 9-M vs. Line 9-B	5.315	15.71	-10.40	0.3648	18
5 d.p.i					
WT vs. WT-M	0.03349	0.1041	-0.07062	0.3648	18
WT vs. WT-B	0.03349	0.1161	-0.08264	0.3648	18
WT vs. NT-C	0.03349	0.1652	-0.1317	0.3648	18
WT vs. NT-M	0.03349	0.7374	-0.7039	0.3648	18
WT vs. NT-B	0.03349	0.9683	-0.9348	0.3648	18
WT vs. Line 2 -C	0.03349	72.95	-72.92	0.3648	18
WT vs. Line 2 -M	0.03349	59.23	-59.20	0.3648	18
WT vs. Line 2-B	0.03349	34.15	-34.12	0.3648	18
WT vs. Line 3 -C	0.03349	11.78	-11.75	0.3648	18
WT vs. Line 3-M	0.03349	2.522	-2.488	0.3648	18
WT vs. line 3-B	0.03349	785.1	-785.1	0.3648	18
WT vs. Line 4-C	0.03349	11.09	-11.06	0.3648	18
WT vs. Line 4-M	0.03349	0.3442	-0.3107	0.3648	18
WT vs. Line 4-B	0.03349	1.000	-0.9665	0.3648	18
WT vs. Line 9-C	0.03349	5.832	-5.798	0.3648	18
WT vs. Line 9-M	0.03349	1.884	-1.851	0.3648	18
WT vs. Line 9-B	0.03349	16.49	-16.46	0.3648	18
WT-M vs. WT-B	0.1041	0.1161	-0.01202	0.3648	18
WT-M vs. NT-C	0.1041	0.1652	-0.06104	0.3648	18
WT-M vs. NT-M	0.1041	0.7374	-0.6333	0.3648	18
WT-M vs. NT-B	0.1041	0.9683	-0.8642	0.3648	18

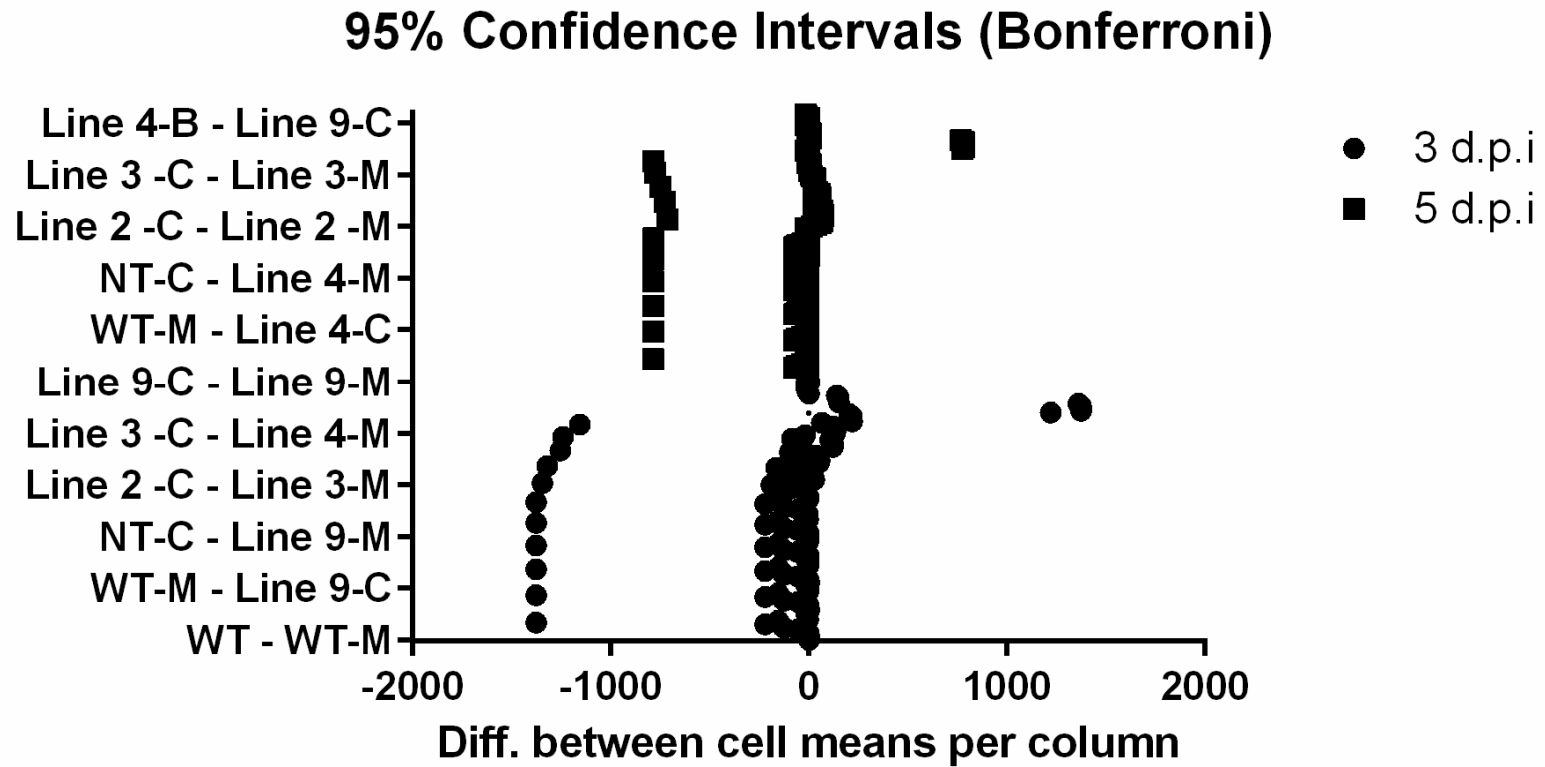
WT-M vs. Line 2 -C	0.1041	72.95	-72.85	0.3648	18
WT-M vs. Line 2 -M	0.1041	59.23	-59.13	0.3648	18
WT-M vs. Line 2-B	0.1041	34.15	-34.04	0.3648	18
WT-M vs. Line 3 -C	0.1041	11.78	-11.68	0.3648	18
WT-M vs. Line 3-M	0.1041	2.522	-2.418	0.3648	18
WT-M vs. line 3-B	0.1041	785.1	-785.0	0.3648	18
WT-M vs. Line 4-C	0.1041	11.09	-10.99	0.3648	18
WT-M vs. Line 4-M	0.1041	0.3442	-0.2401	0.3648	18
WT-M vs. Line 4-B	0.1041	1.000	-0.8959	0.3648	18
WT-M vs. Line 9-C	0.1041	5.832	-5.727	0.3648	18
WT-M vs. Line 9-M	0.1041	1.884	-1.780	0.3648	18
WT-M vs. Line 9-B	0.1041	16.49	-16.39	0.3648	18
WT-B vs. NT-C	0.1161	0.1652	-0.04902	0.3648	18
WT-B vs. NT-M	0.1161	0.7374	-0.6213	0.3648	18
WT-B vs. NT-B	0.1161	0.9683	-0.8522	0.3648	18
WT-B vs. Line 2 -C	0.1161	72.95	-72.84	0.3648	18
WT-B vs. Line 2 -M	0.1161	59.23	-59.12	0.3648	18
WT-B vs. Line 2-B	0.1161	34.15	-34.03	0.3648	18
WT-B vs. Line 3 -C	0.1161	11.78	-11.66	0.3648	18
WT-B vs. Line 3-M	0.1161	2.522	-2.406	0.3648	18
WT-B vs. line 3-B	0.1161	785.1	-785.0	0.3648	18
WT-B vs. Line 4-C	0.1161	11.09	-10.98	0.3648	18
WT-B vs. Line 4-M	0.1161	0.3442	-0.2281	0.3648	18
WT-B vs. Line 4-B	0.1161	1.000	-0.8839	0.3648	18
WT-B vs. Line 9-C	0.1161	5.832	-5.715	0.3648	18
WT-B vs. Line 9-M	0.1161	1.884	-1.768	0.3648	18
WT-B vs. Line 9-B	0.1161	16.49	-16.38	0.3648	18
NT-C vs. NT-M	0.1652	0.7374	-0.5723	0.3648	18
NT-C vs. NT-B	0.1652	0.9683	-0.8032	0.3648	18
NT-C vs. Line 2 -C	0.1652	72.95	-72.79	0.3648	18
NT-C vs. Line 2 -M	0.1652	59.23	-59.07	0.3648	18
NT-C vs. Line 2-B	0.1652	34.15	-33.98	0.3648	18
NT-C vs. Line 3 -C	0.1652	11.78	-11.62	0.3648	18
NT-C vs. Line 3-M	0.1652	2.522	-2.357	0.3648	18

NT-C vs. line 3-B	0.1652	785.1	-785.0	0.3648	18
NT-C vs. Line 4-C	0.1652	11.09	-10.93	0.3648	18
NT-C vs. Line 4-M	0.1652	0.3442	-0.1790	0.3648	18
NT-C vs. Line 4-B	0.1652	1.000	-0.8348	0.3648	18
NT-C vs. Line 9-C	0.1652	5.832	-5.666	0.3648	18
NT-C vs. Line 9-M	0.1652	1.884	-1.719	0.3648	18
NT-C vs. Line 9-B	0.1652	16.49	-16.33	0.3648	18
NT-M vs. NT-B	0.7374	0.9683	-0.2309	0.3648	18
NT-M vs. Line 2 -C	0.7374	72.95	-72.22	0.3648	18
NT-M vs. Line 2 -M	0.7374	59.23	-58.50	0.3648	18
NT-M vs. Line 2-B	0.7374	34.15	-33.41	0.3648	18
NT-M vs. Line 3 -C	0.7374	11.78	-11.04	0.3648	18
NT-M vs. Line 3-M	0.7374	2.522	-1.784	0.3648	18
NT-M vs. line 3-B	0.7374	785.1	-784.4	0.3648	18
NT-M vs. Line 4-C	0.7374	11.09	-10.36	0.3648	18
NT-M vs. Line 4-M	0.7374	0.3442	0.3932	0.3648	18
NT-M vs. Line 4-B	0.7374	1.000	-0.2626	0.3648	18
NT-M vs. Line 9-C	0.7374	5.832	-5.094	0.3648	18
NT-M vs. Line 9-M	0.7374	1.884	-1.147	0.3648	18
NT-M vs. Line 9-B	0.7374	16.49	-15.76	0.3648	18
NT-B vs. Line 2 -C	0.9683	72.95	-71.98	0.3648	18
NT-B vs. Line 2 -M	0.9683	59.23	-58.26	0.3648	18
NT-B vs. Line 2-B	0.9683	34.15	-33.18	0.3648	18
NT-B vs. Line 3 -C	0.9683	11.78	-10.81	0.3648	18
NT-B vs. Line 3-M	0.9683	2.522	-1.553	0.3648	18
NT-B vs. line 3-B	0.9683	785.1	-784.2	0.3648	18
NT-B vs. Line 4-C	0.9683	11.09	-10.13	0.3648	18
NT-B vs. Line 4-M	0.9683	0.3442	0.6241	0.3648	18
NT-B vs. Line 4-B	0.9683	1.000	-0.03168	0.3648	18
NT-B vs. Line 9-C	0.9683	5.832	-4.863	0.3648	18
NT-B vs. Line 9-M	0.9683	1.884	-0.9158	0.3648	18
NT-B vs. Line 9-B	0.9683	16.49	-15.53	0.3648	18
Line 2 -C vs. Line 2 -M	72.95	59.23	13.72	0.3648	18
Line 2 -C vs. Line 2-B	72.95	34.15	38.80	0.3648	18

Line 2 -C vs. Line 3 -C	72.95	11.78	61.17	0.3648	18
Line 2 -C vs. Line 3-M	72.95	2.522	70.43	0.3648	18
Line 2 -C vs. line 3-B	72.95	785.1	-712.2	0.3648	18
Line 2 -C vs. Line 4-C	72.95	11.09	61.86	0.3648	18
Line 2 -C vs. Line 4-M	72.95	0.3442	72.61	0.3648	18
Line 2 -C vs. Line 4-B	72.95	1.000	71.95	0.3648	18
Line 2 -C vs. Line 9-C	72.95	5.832	67.12	0.3648	18
Line 2 -C vs. Line 9-M	72.95	1.884	71.07	0.3648	18
Line 2 -C vs. Line 9-B	72.95	16.49	56.46	0.3648	18
Line 2 -M vs. Line 2-B	59.23	34.15	25.08	0.3648	18
Line 2 -M vs. Line 3 -C	59.23	11.78	47.45	0.3648	18
Line 2 -M vs. Line 3-M	59.23	2.522	56.71	0.3648	18
Line 2 -M vs. line 3-B	59.23	785.1	-725.9	0.3648	18
Line 2 -M vs. Line 4-C	59.23	11.09	48.14	0.3648	18
Line 2 -M vs. Line 4-M	59.23	0.3442	58.89	0.3648	18
Line 2 -M vs. Line 4-B	59.23	1.000	58.23	0.3648	18
Line 2 -M vs. Line 9-C	59.23	5.832	53.40	0.3648	18
Line 2 -M vs. Line 9-M	59.23	1.884	57.35	0.3648	18
Line 2 -M vs. Line 9-B	59.23	16.49	42.74	0.3648	18
Line 2-B vs. Line 3 -C	34.15	11.78	22.37	0.3648	18
Line 2-B vs. Line 3-M	34.15	2.522	31.63	0.3648	18
Line 2-B vs. line 3-B	34.15	785.1	-751.0	0.3648	18
Line 2-B vs. Line 4-C	34.15	11.09	23.05	0.3648	18
Line 2-B vs. Line 4-M	34.15	0.3442	33.80	0.3648	18
Line 2-B vs. Line 4-B	34.15	1.000	33.15	0.3648	18
Line 2-B vs. Line 9-C	34.15	5.832	28.32	0.3648	18
Line 2-B vs. Line 9-M	34.15	1.884	32.26	0.3648	18
Line 2-B vs. Line 9-B	34.15	16.49	17.65	0.3648	18
Line 3 -C vs. Line 3-M	11.78	2.522	9.259	0.3648	18
Line 3 -C vs. line 3-B	11.78	785.1	-773.4	0.3648	18
Line 3 -C vs. Line 4-C	11.78	11.09	0.6869	0.3648	18
Line 3 -C vs. Line 4-M	11.78	0.3442	11.44	0.3648	18
Line 3 -C vs. Line 4-B	11.78	1.000	10.78	0.3648	18
Line 3 -C vs. Line 9-C	11.78	5.832	5.949	0.3648	18

Line 3 -C vs. Line 9-M	11.78	1.884	9.896	0.3648	18
Line 3 -C vs. Line 9-B	11.78	16.49	-4.714	0.3648	18
Line 3-M vs. line 3-B	2.522	785.1	-782.6	0.3648	18
Line 3-M vs. Line 4-C	2.522	11.09	-8.572	0.3648	18
Line 3-M vs. Line 4-M	2.522	0.3442	2.178	0.3648	18
Line 3-M vs. Line 4-B	2.522	1.000	1.522	0.3648	18
Line 3-M vs. Line 9-C	2.522	5.832	-3.310	0.3648	18
Line 3-M vs. Line 9-M	2.522	1.884	0.6377	0.3648	18
Line 3-M vs. Line 9-B	2.522	16.49	-13.97	0.3648	18
line 3-B vs. Line 4-C	785.1	11.09	774.0	0.3648	18
line 3-B vs. Line 4-M	785.1	0.3442	784.8	0.3648	18
line 3-B vs. Line 4-B	785.1	1.000	784.1	0.3648	18
line 3-B vs. Line 9-C	785.1	5.832	779.3	0.3648	18
line 3-B vs. Line 9-M	785.1	1.884	783.3	0.3648	18
line 3-B vs. Line 9-B	785.1	16.49	768.6	0.3648	18
Line 4-C vs. Line 4-M	11.09	0.3442	10.75	0.3648	18
Line 4-C vs. Line 4-B	11.09	1.000	10.09	0.3648	18
Line 4-C vs. Line 9-C	11.09	5.832	5.262	0.3648	18
Line 4-C vs. Line 9-M	11.09	1.884	9.210	0.3648	18
Line 4-C vs. Line 9-B	11.09	16.49	-5.401	0.3648	18
Line 4-M vs. Line 4-B	0.3442	1.000	-0.6558	0.3648	18
Line 4-M vs. Line 9-C	0.3442	5.832	-5.487	0.3648	18
Line 4-M vs. Line 9-M	0.3442	1.884	-1.540	0.3648	18
Line 4-M vs. Line 9-B	0.3442	16.49	-16.15	0.3648	18
Line 4-B vs. Line 9-C	1.000	5.832	-4.832	0.3648	18
Line 4-B vs. Line 9-M	1.000	1.884	-0.8841	0.3648	18
Line 4-B vs. Line 9-B	1.000	16.49	-15.49	0.3648	18
Line 9-C vs. Line 9-M	5.832	1.884	3.947	0.3648	18
Line 9-C vs. Line 9-B	5.832	16.49	-10.66	0.3648	18
Line 9-M vs. Line 9-B	1.884	16.49	-14.61	0.3648	18

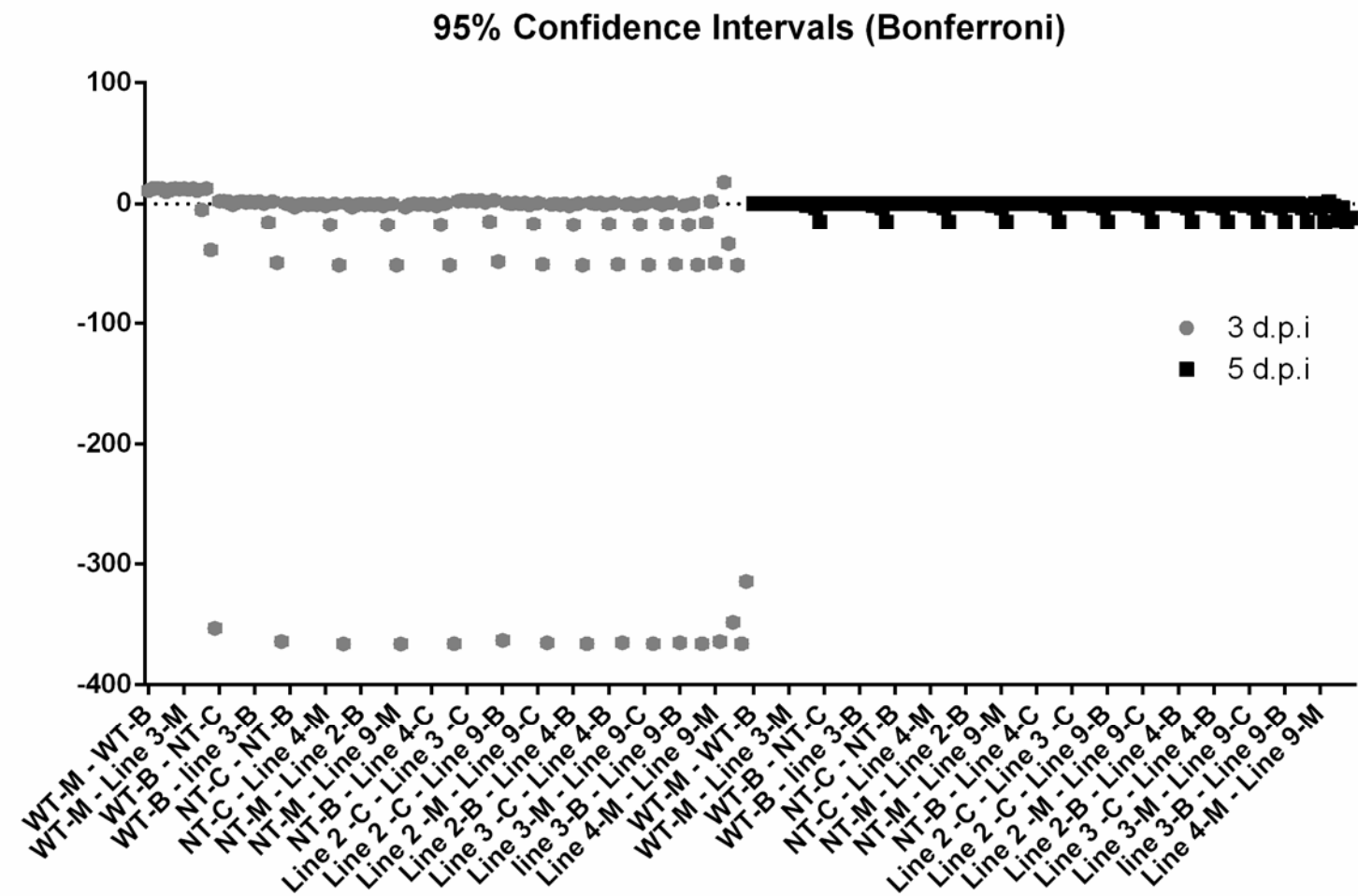
Sp-AMP



2way ANOVA of PR1a:Multiple comparisons

	Data Set-A	Data Set-B	Data Set-C	Data Set-D	Data Set-E
Table Analyzed	PR1a				
Two-way ANOVA Alpha	Ordinary 0.05				
Source of Variation	% of total variation	P value	P value summary	Significant?	
Interaction	43.78	< 0.0001	****	Yes	
Row Factor	51.87	< 0.0001	****	Yes	
Column Factor	4.307	< 0.0001	****	Yes	
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Interaction	514782	16	32174	F (16, 272) = 18684	P < 0.0001
Row Factor	609908	16	38119	F (16, 272) = 22137	P < 0.0001
Column Factor	50640	1	50640	F (1, 272) = 29408	P < 0.0001
Residual	468.4	272	1.722		
Number of missing values	0				

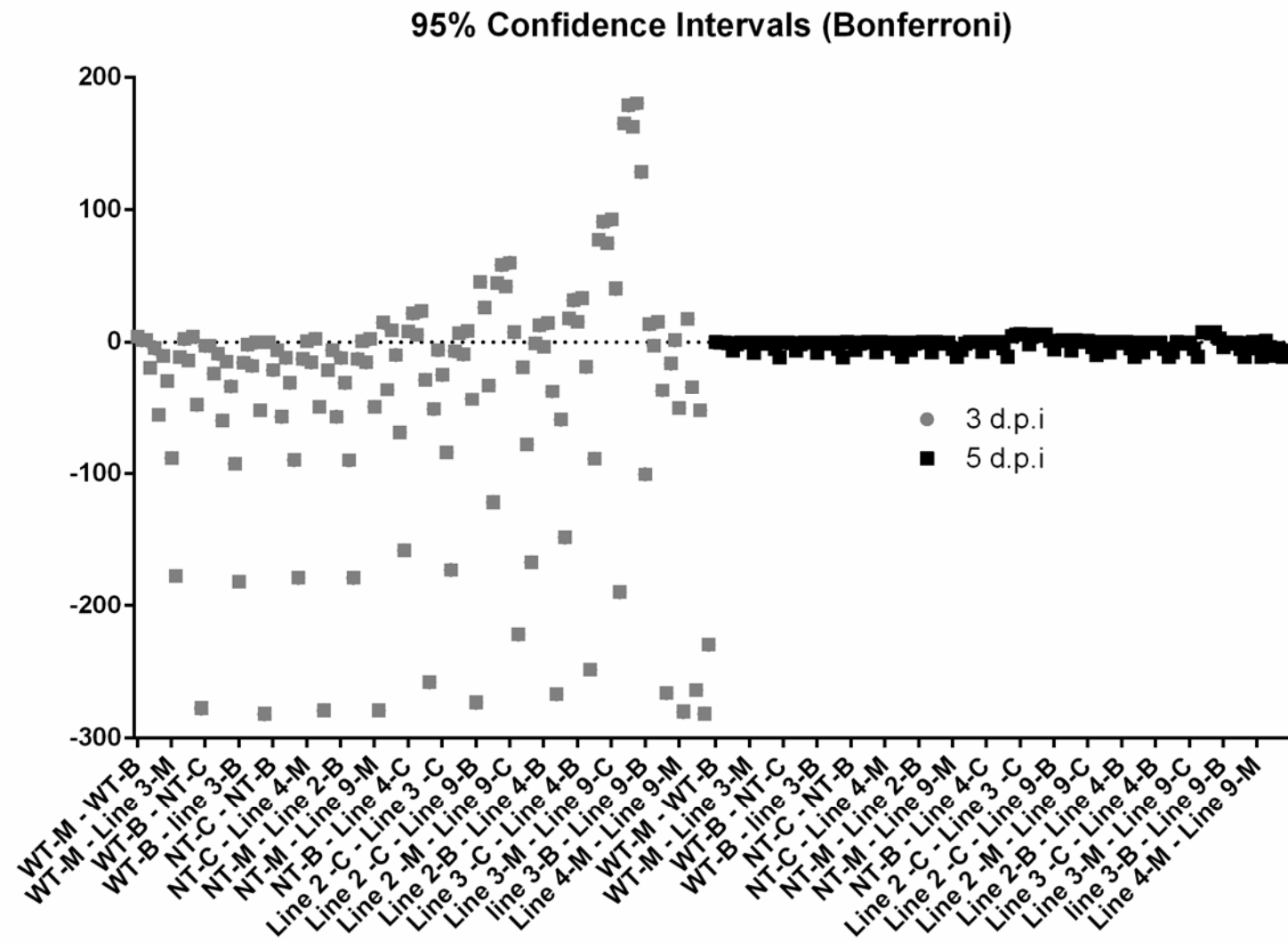
PR1a



2way ANOVA of ERF1:Tabular results

	Data Set-A	Data Set-B	Data Set-C	Data Set-D	Data Set-E
Table Analyzed	ERF1				
Two-way ANOVA Alpha	Ordinary 0.05				
Source of Variation	% of total variation	P value	P value summary	Significant?	
Interaction	38.70	< 0.0001	****	Yes	
Row Factor	44.85	< 0.0001	****	Yes	
Column Factor	16.35	< 0.0001	****	Yes	
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Interaction	387100	16	24194	F (16, 272) = 6819	P < 0.0001
Row Factor	448620	16	28039	F (16, 272) = 7902	P < 0.0001
Column Factor	163545	1	163545	F (1, 272) = 46092	P < 0.0001
Residual	965.1	272	3.548		
Number of missing values	0				

ERF1



Supplementary file S3: Statistical significance analyses of the lesion size

Table Analyzed	Two-way ANOVA , not RM							
Two-way ANOVA	Ordinary							
Alpha	0.05							
Source of Variation	% of total variation	P value	P value summary	Significant?				
Interaction	2.184	0.0361	*	Yes				
Row Factor	3.177	0.0118	*	Yes				
Column Factor	39.31	< 0.0001	****	Yes				
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value			
Interaction	29.35	1	29.35	F (1, 114) = 4.500	P = 0.0361			
Row Factor	42.69	1	42.69	F (1, 114) = 6.546	P = 0.0118			
Column Factor	528.3	1	528.3	F (1, 114) = 81.00	P < 0.0001			
Residual	743.5	114	6.522					
Compare each cell mean with the other cell mean in that row.								
Number of families	1							
Number of comparisons per family	2							
Alpha	0.05							
Sidak's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	Adjusted P Value			
Control - Trangenic								
3 d.p.i	4.018	2.146 to 5.890	Yes	****	< 0.0001			
5 d.p.i	6.496	4.624 to 8.368	Yes	****	< 0.0001			
Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	t	DF

Control - Trangenic								
3 d.p.i	6.167	2.149	4.018	0.826	12	47	4.864	114
5 d.p.i	8.9	2.404	6.496	0.826	12	47	7.864	114

Data analyzed: Two-way ANOVA , not RM

This approximate method weights all groups equally, even though some have more data values than others.

Source of Variation	Degrees of Freedom	Sum of Squares	Mean square
Column Factor	1	528.3	528.3
Row Factor	1	42.69	42.69
Interaction	1	29.35	29.35
Residual (error)	114	743.5	6.522
Total	117		

Does Column Factor have the same effect at all values of Row Factor?

Interaction accounts for approximately 2.18% of the total variance.

F = 4.50. DFn=1 DFd=114

The P value = 0.0361

If there is no interaction overall, there is a 3.6% chance of randomly observing so much interaction in an experiment of this size. The interaction is considered significant.

Since the interaction is statistically significant, the P values that follow for the row and column effects are difficult to interpret.

Does Column Factor affect the result?

Column Factor accounts for approximately 39.31% of the total variance.

F = 81.00. DFn=1 DFd=114

The P value is < 0.0001

If Column Factor has no effect overall, there is a less than 0.01% chance of randomly observing an effect this big (or bigger) in an experiment of this size. The effect is considered extremely significant.

Does Row Factor affect the result?

Row Factor accounts for approximately 3.18% of the total variance.

$F = 6.55$. $DFn=1$ $DFd=114$

The P value = 0.0118

If Row Factor has no effect overall, there is a 1.2% chance of randomly observing an effect this big (or bigger) in an experiment of this size. The effect is considered significant.

