

SI Table 1. Summary of QTL position and significance.

Drug	Cross	Chromosome	Coordinate	LOD	Percent variation	P value F test
1	MY	7	756419	13.9	70	2.45E-13
1	MS	7	761838	6.409	40.3	0.00000164
2	MY	4	894645	3.695	7.1	0.0111
2	MY	7	778093	11.33	40.3	0.000000014
2	MS	7	772675	7.014	42.2	0.000000782
3	MS	4	513764	8.001	59.4	2.4E-10
3	YS	4	487994	6.867	44	0.0000005
4	MY	4	868778	2.892	5.19	0.0675
4	MY	7	767256	10.68	37.3	0.000000522
4	MS	7	772675	4.68	34.6	0.0000138
5	MY	4	894645	3.384	7.7	0.00642
5	MY	7	767256	12.61	43.5	2.95E-09
5	MS	7	740164	5.019	38.1	0.00000387
6	MY	4	901095	3.167	5.62	0.0751
6	MY	7	729365	11.76	30	0.0000014
6	MY	11	633653	3.294	4.29	0.156
6	YS	5	104539	6.729	40.5	0.00000197
9	MY	4	907546	3.864	13.7	0.0055
9	MY	7	756419	5.338	19.3	0.000872
9	MS	7	756419	5.099	34.5	0.0000141
10	MY	7	723978	7.689	48.6	5.24E-08
11	MS	7	751001	4.766	33	0.0000245
11	YS	5	104539	5.683	40.4	0.00000211
12	MY	7	761838	12.62	65.2	6.97E-12
12	MS	7	756419	4.745	34	0.0000173
12	YS	14	530124	3.86	23.5	0.00064
13	MY	7	783512	9.592	53.5	5.34E-09
15	MY	4	894645	3.955	7.95	0.0107
15	MY	7	761838	9.187	35.2	0.000000218
17	YS	5	70322	9.469	52.2	1.41E-08
18	MY	7	736100	9.534	63.3	2.36E-11
18	MS	7	799767	5.391	40.7	0.0000014
19	MY	7	761838	8.496	53.8	4.4E-09
19	MS	7	751001	7.308	51.3	1.54E-08
20	MY	7	772675	9.345	50.9	0.000000018
20	MS	7	799767	7.839	55.4	2.02E-09
21	MY	7	772675	14.07	44.8	7.52E-10
21	MY	11	633653	3.387	9.18	0.00186
21	MS	7	756419	7.005	41	0.00000126
22	MY	4	894645	3.386	4.2	0.0537
22	MY	7	761838	12.58	43.7	2.42E-09
22	MS	7	756419	7.044	41.5	0.00000102
23	MY	7	761838	10.23	54.4	3.28E-09
24	MY	7	761838	13.1	64.9	8.77E-12
24	MS	7	761838	4.26	31.5	0.0000409
26	MY	7	778093	14.74	69.9	2.52E-13
26	MS	5	84029	4.11	33.1	2.31E-05
27	MY	7	788930	10.31	41.5	2.03E-08
27	MY	16	894088	3.444	7.31	0.0126
27	MS	7	772675	5.755	37.4	0.00000504
28	MY	7	778093	9.555	57.5	6.66E-10
28	YS	4	120375	4.437	23	0.000747
29	MY	4	868778	3.65	7.17	0.0273
29	MY	7	745582	7.278	30.8	0.00000396
29	MS	7	761838	7.607	48.4	5.75E-08
31	MY	7	718590	4.782	33.9	0.0000179