

Sample	Number of homozygous SNPs	Chromosome	Correlation with normal distribution (r2)	Standard deviation (Mb)	Kurtosis	Skewness	OCF2	151	2	0.949	6.01	1.85				
0.392	BCF2	15	3	0.959	3.20	2.02	0.201	bak1-5	mob1	25	5	0.944	7.20	2.69	-0.240	bak1-5
mob2	41	5	0.894	3.71	2.37	0.445	sup#1	4633	4	0.976	3.66	3.50	0.370			

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bak1-5 mob1	25	5	0.944	7.20	2.69	-0.240
bak1-5 mob2	41	5	0.894	3.71	2.37	0.445
sup#1	4633	4	0.976	3.66	3.50	0.370

**Table 2.** Hypothetical candidate mutations obtained by SDM in out-cross and back-cross experiments and real mutation positions. (For simplicity, the 151 candidate positions predicted for sup#1 were not itemised here).