

Table S4 Summary of multiple QTL analysis of variation in probability of responding by reversals

| | df | Type III SS | LOD | % var | F value | Pvalue(Chi2) | Pvalue(F) |
|----------------|-----------|--------------------|------------|--------------|----------------|---------------------|------------------|
| X@76.6 | 2.0000 | 0.7496 | 6.7660 | 17.6137 | 16.9716 | 0.0000 | 0.0000 |
| X@190.0 | 2.0000 | 0.3015 | 2.9079 | 7.0859 | 6.8276 | 0.0012 | 0.0015 |
| X@76.6:X@190.0 | 1.0000 | 0.0595 | 0.5965 | 1.3980 | 2.6940 | 0.0974 | 0.1031 |

Summary of Multiple QTL Model with Reversal Response Probability