

Table S1 eQTL mapping summary for S288c x M22 cross

| | Total Transcripts Mapped | Number (and %) mapping to 1 locus | Number (and %) mapping to 2 loci | Number (and %) mapping to 3 or more loci |
|---------------------------------|--------------------------------|---|--|--|
| Basal Abundance Mapping | 1480 | 1370 (93%) | 100 (7%) | 10 (1%) |
| Ethanol Abundance Mapping | 1349 | 1230 (91%) | 111 (8%) | 8 (1%) |
| Ethanol Response Mapping | 1127 | 1048 (93%) | 76 (7%) | 3 (0%) |
| One or more mapping regime | 2664 | | | |