Figure S8: QTLs mapped for YPE and 5-FU by BSA and ISA. For YPE (2% ethanol, upper two panels) allele frequencies deduced from the two BSA replicates (red and blue) were highly reproducible. A QTL peak on chr 11 and one on chr 14 (MKT1 locus) is common for BSA and ISA. Dashed horizontal line in ISA marks the significant threshold. For 5-FU (30µM 5-fluorouracil, lower two panels) the replicates from BSA are not reproducible, except for the URA3 locus. Sequencing results suggest that beneficial mutations in
individual cells occurred during the selection process of BSA and result in random allele selection.