Figures for aneuploidy paper (subject to revision)

Figure 1: Monosomies are underrepresented in aneuploid lines. Only chromosome 9 had a monosomy event show up. This suggests there is strong selection against monosomies at the chromosomes that have trisomies but no monosomies. Also, chromosomes 6, 13, and 15 did not have any aneuploid events at the end of MA, suggesting strong selection against aneuploids of any kind for those chromosomes. This has been found previously, as chromosomes 6 and 13 are not obtained in diploid yeast through chemical-induction of aneuploidy (CITE).

Figure 2: For the lab strain, certain lines had more aneuploid lines than others. Chromosome 9 had the most aneuploidies out of any chromosome. Half of the chromosomes did not produce any aneuploidies in our dataset.

Figure 3: There is no significant correlation between the number of observed aneuploidies of a chromosome and the size of the chromosome.

Whole-Chromosome Analysis of Dosage Compensation