



Figure S3: Synthetic negative genetic interaction between chromosome 8 and 10 disomy and growth rates for different diploid *bir1Δ-ad* karyotypes.

A) Strains with disomy of chromosomes 8, 10, or both were struck out for single colonies on a YPAD plate. The graph on the right shows the measured colony sizes (mm²). Error bars represent the standard deviation for average colony sizes of three independently generated strains (n = 3).

B) Increase in the number of total chromosomes for adapted strains with the indicated mutations. Mean values and the standard errors are in red. *p ≤ 0.05, **p < 0.001.

C) Strains with either aneuploidy of chromosomes 13, 11, 9 or a combination of 11 and 9 or 13 and 9 were struck out for single colonies on a YPAD plate. The graph on the right shows the measured colony sizes. Error bars represent the standard deviation for average colony sizes for 2 replicates of three independently generated strains (n = 6). *p ≤ 0.05, **p < 0.001, ***p < 0.0001.