



**Figure S5** Transgressive segregation, heritability and eQTLs. Upper graphs show values for developing worms, lower graphs for aging worms. Left graphs (upper and lower) show the number of RILs which expression values transgress from the higher or lower parent value (*y-axis*) versus their heritability values (*x-axis*). Middle and right graphs plot the number of genes with eQTLs (*trans-acting* middle, *cis-acting* right) detected, their heritability values and their transgressive segregants. We detected more transgressive segregation in genes with *trans-acting* regulation and in developing worms than in aging worms and *cis-acting* eQTLs. Red line indicates the threshold for significant transgressive segregation.