



Figure S5: Lifespan Variability and Gene Expression Variability during Aging. Related to Figure 5.

(A) Lifespan variability of different strains plotted as CV of lifespan. Each dot represents a biological replicate. Left panel: same as in Figure 5C. Right panel: data from de Lencastre et al., 2010. Note that the *mir-71* overexpression strains express *mir-71* as strongly inherited transgenes transmitted as extrachromosomal arrays (i.e. strains are mosaics).

(B) Expression variability of *mir-71*, plotted as CV of fluorescence signal among individuals expressing a *pmir-71::gfp* reporter. Data taken from head region measurements in Pincus et al., 2011. CVs were calculated separately for each time point (rounded to nearest day, except for replicate 4 which was rounded to nearest half day) for each of four biological replicates (n=16, 21, 46, 63 for replicates 1–4, respectively).

(C) Expression variability of *alg-1*, plotted as CV of fluorescence signal across individuals in *gfp::alg-1* (blue) and *gfp::alg-1;mir-71* (red) strains. Measurements of head region. n=18–20.

(D) Expression variability of mRNAs in *alg-1(gk214)* loss-of-function animals vs. N2 wildtype. Histogram of CV difference (*alg-1(gk214)* – N2) shown.