**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.