



**Figure S3** Breeding Performance in the extant CC-UNC population. A) Average litter size per generation. The figure shows average litter size by generation for 191 extant lines. Average litter size by funnel and generation was calculated by query of the CCDB database (Chesler *et al.* 2008). Generation indicates generation of inbreeding (Figure 1). Points are offset along the horizontal axis by a constant amount according to their group and by a smaller random amount to help reveal multiple averages of the same value. Red circles represent the grand average litter size in each generation. B) Generation length in days as a function of the generation number of the productive litter. Female (red triangles): age of female parent at birth of a productive litter; Male (blue circles): age of male parent at birth of a productive litter. Pedigrees include some father-daughter matings.