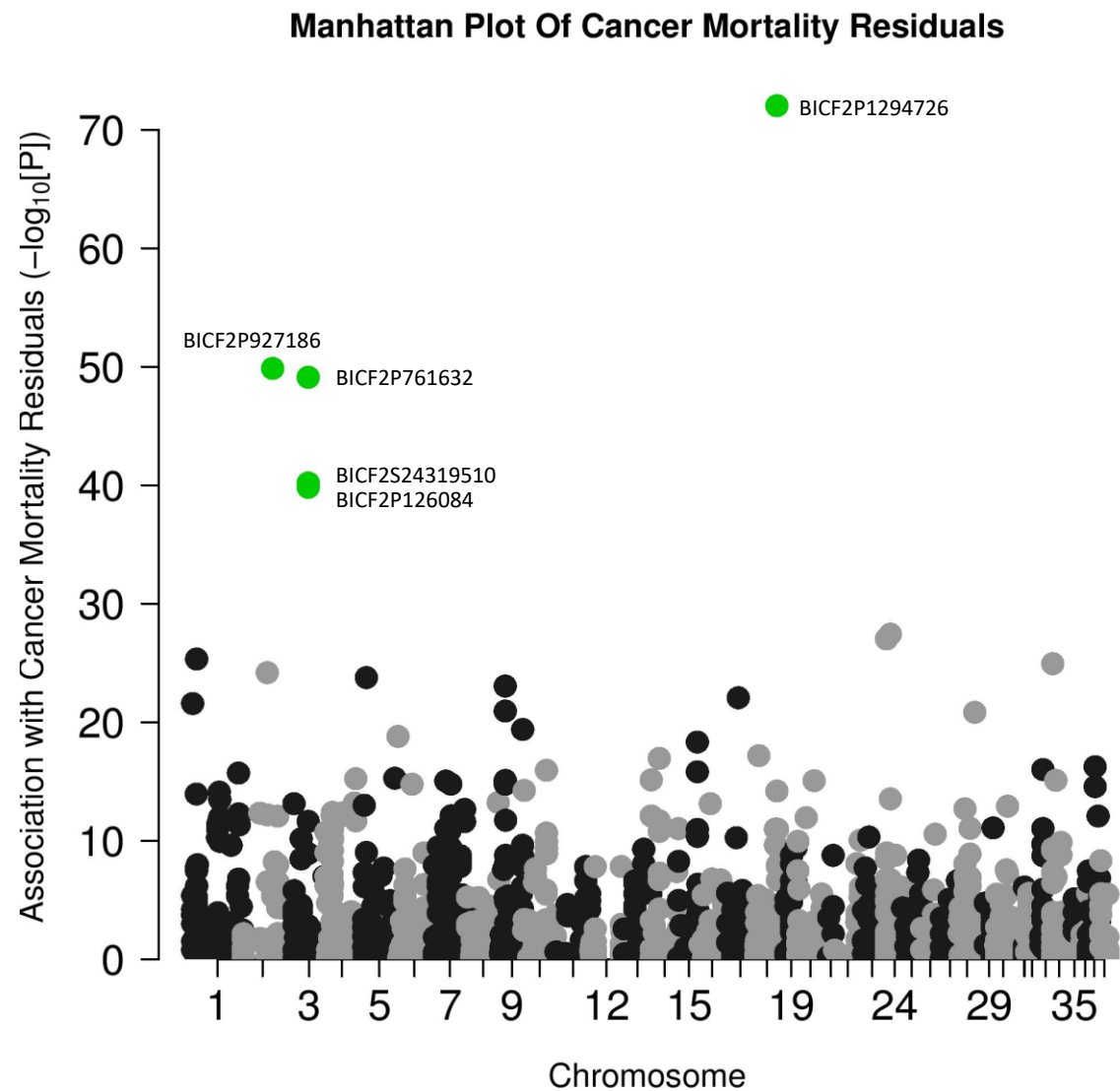


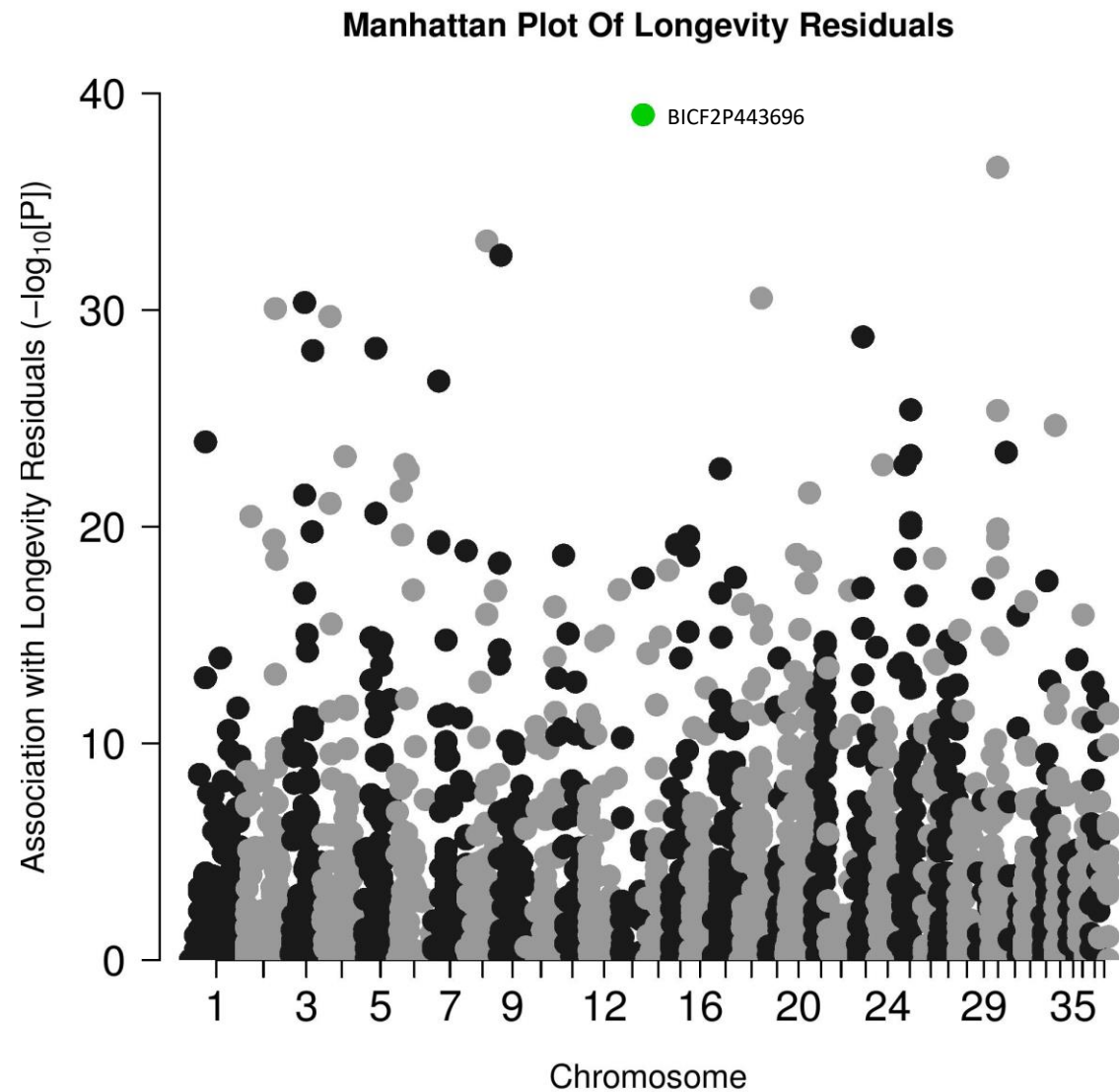
Supplementary Figure 2a. Manhattan Plot of association between SNPs and body weight.

The points coloured green were significantly associated with body weight after permutation. The points coloured black/grey (that are indicative of alternating chromosomes) are SNPs not associated with body weight after permutation.



Supplementary Figure 2b. Manhattan Plot of association between SNPs and cancer mortality residuals, after multiple regression with life expectancy and body weight.

The points coloured green were significantly associated with cancer mortality residuals after permutation. The points coloured black/grey (that are indicative of alternating chromosomes) are SNPs not associated with cancer mortality residuals after permutation.



Supplementary Figure 2c. Manhattan Plot of association between SNPs and longevity residuals, after linear regression with body weight.

The points coloured green were significantly associated with longevity residuals after permutation. The points coloured black/grey (that are indicative of alternating chromosomes) are SNPs not associated with longevity residuals after permutation.