Allele Effect on lifespan (months) 1.0 Effect on 7-month RDW (%) 0.5 -0.5 -1.0 0.4 Effect on 7-month HDW (%) -0.2 -0.4 25 0 50 75 Position on chromosome 18 (Mb) The vertical dashed line indicates the location of the lifespan peak, and the dotted lines indicate the upper and lower bounds of the merged LOD support intervals for lifespan, RDW, and HDW

Estimated allele effects (BLUP) on lifespan, RDW, and HDW