Linear regression analysis between genetic load and ROH length 2.4e - 05population 2.2e - 05 MOPdsy MOPdxs_sg **MOPhn MOPyn** Genetic 2.0e-05 MHKmls_pop1 MHKmls_pop2 **MOPId** p=0.0219**MHKix** MHKmlh_qns MOPfq_pt 1.8e-05 1.6e-05 100Mb 300Mb 200Mb ROH Length