



Figure S2 Phenotypic plasticity of LG2 QTL region to variation in block productivity. Plasticity of vegetative and reproductive traits to variation in block productivity, measured as mean block spring diameter, in North Carolina for genotypic classes in the LG2 QTL region: **(A)** PC1 ($P < 0.017$ for QTL effects on plasticity); **(B)** siliques per shoot ($P = 0.035$); and **(C)** net reproductive season diameter growth ($P = 0.038$). QTL genotype probabilities for each F_2 individual were estimated in R/qtl, and coefficients for Spiterstulen homozygotes (red), Mayodan homozygotes (green), and the two heterozygous genotype classes (blue and orange) were estimated from QTL models with block productivity included as an interactive covariate with QTL genotype, using fitqtl with Haley-Knott regression. QTL genotype effects on the slope of the response were significant for each trait ($P < 0.05$).