Notes on GDD GWAS Results

Atlantic

Very little genetic signal of greenup in this subpopulation. Perhaps only signal at CLMB – GR1 & GR50.

Not much signal of PTT, except at PKLE. Signal of CGDD at PKLE & TMPL. CRAIN at BRKG & LINC. CRAIN.5d at PKLE & TMPL & LINC.

Signal for EM1 & FL1 ~ everywhere but less for EM50 & FL50 (though still nice, and similar hits)

Gulf

GR does not have much signal. Signal at CLMB – GR1. KBSM KING PKLE GR50.

Not much signal of PTT, maybe at PKLE. CGDD at KBSM, CLMB. FL50 at PKLE KBSM. FL1 at KING PKLE TMPL. CRAIN signal KBSM PKLE TMPL. CRAIN.5d signal KING TMPL.

EM PKLE KING STIL (dropped at TMPL) CLMB. Esp. EM50.

Midwest – had to drop all but 22 Midwest site\*phe for various reasons (<100 ind mostly, bad structure in GWAS ~13). Only big three sites remain.

Signal for CGDD. CGDD beats PTT in terms of signal. CGDD may also beat FL50 in terms of signal, but it’s closer.

CRAIN at PKLE; CRAIN.5d at KBSM

GR does not have much signal.

So in each subpop, GR does not have much signal. PTT is worse than CGDD and FL50. In the Gulf, FL better in the south and CGDD in the north. CGDD >= FL in Midwest.

GR?  
EM?  
FL? Vs CGDD vs PTT vs CRAIN

A&G

GR: