***2A\_IWB8331***



 (a) (b) (c)

BLUP score

***5A\_IWB73709***



 (a) (b) (c)

BLUP score

**5B\_*IWB47298***



 (a) (b) (c)

BLUP score

**7A\_*IWB47160***

 (a)(b) (c)

BLUP score

**7B\_*IWB45005***



(a)(b) (c)

BLUP score

*****no map position\_20731***

(a) (b) (c)

BLUP score

***no map position\_32948***

 (a) (b) (c)

BLUP score

**S2 Fig.** Boxplots of the seven most significant tagging markers effect on eyespot BLUP scores (a) in all lines; (b) lines without *Pch1* resistance allele; and (c) all lines with the *Pch1* resistance allele. 0= Panel A lines without resistance alleles; 1=Panel A lines with the resistance haplotype.