



**Figure S13** Comparison of predicted genomic values of rice lines for trait panicle length obtained from the three models. Colors indicate different sub-populations (AUS, indica/IND, temperate japonica/TEJ, tropical japonica/TRJ). Overall correlations of predicted values as well as correlations within each sub-population are given. A) Comparison of across group GBLUP (A-GBLUP) and within group GBLUP (W-GBLUP); B) Comparison of A-GBLUP and multi group GBLUP (MG-GBLUP); C) Comparison of W-GBLUP and MG-GBLUP.