**Genomic prediction and selection response for grain yield in safflower**

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Supplementary Fig s1. Boxplot of safflower traits’ BLUEs in four sites.

Chart

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Supplementary Fig s2. The phenotypic correlation (rp, lower triangle) estimated by multivariate models among pairwise safflower traits in four field sites (clockwise, IR,RF,HR, IR). Color ranged from dark orange to dark blue indicates the correlation rp from -1 to 1.