



Figure 6. PCA of physiological, biochemical, and the genes expression parameters response to water deficit of female and male *P. x euramericana* lines under different irrigation. (A) Score scatter plot and (B) loading scatter plot of all parameters. MCK and FCK, male and female lines under control treatment (70%-80% of SWHC); MMS and FMS, male and female lines under moderate water deficit stress (50%-60% of SWHC); MSS and FSS, male and female lines under severe water deficit stress (30%-40% of SWHC); EXP in (B), gene expression.