

Supplement File 11: Phylogenetic tree of C4 pathway depicting the sharing of common ancestry among different cereals (a) PEPC, phosphoenolpyruvate carboxylase; (b) PPCK, PEPC kinase; (c) NADP-MDH, NADP-malate dehydrogenase; (d) NADP-ME, NADP-malic enzyme; (e) PPDk, pyruvate orthophosphate dikinase, (f) PPDk-RP, PPDk-regulatory protein; and (g) CA- carboxylating anhydrase. The gene IDs are denoted as- Sb, *Sorghum bicolor*; ZE, *Zea mays*; Si, *Setaria italica*; BR, *Brachypodium distachyon*, Os, *Oryza sativa*, and g, *Eleusine coracana*.

