**Fig. S4 Multiple amino acid sequence alignment of mn2-m1, mn2-m2, mn2-710B and B73.** The red, yellow and blue boxes indicate missense mutations in three mutants (mn2-m1, mn2-m2, mn2-710B), two mutants (mn2-m1 and mn2-710B), and one mutant (mn2-710B) compared to wild type inbred line B73, respectively. The red and blue lines indicate the two different MFS (Major Facilitator Superfamily) regions, respectively.