



S1 Figure. Alignment of the deduced amino acid sequence of PP2AAs between maize, *Arabidopsis*, rice, barley and *Brachypodium*. Conserved residues between sequences are boxed in black or gray based on the degree of conservation. Arabidopsis: AtPP2AA1 (AT1G25490), AtPP2AA2 (AT3G25800) and AtPP2AA3 (AT1G13320); maize: ZmPP2AA1 (GRMZM2G164352), GRMZM2G102858, and GRMZM2G122135; rice: Osl_30535 and Os09g0249700; barley: MLOC_2967; *Brachypodium*: BRADI4G08720 and BRADI4G08790.