



**Fig. S8.** Molecular characterization of Arabidopsis *AtRPL10A* overexpression, *Atrpl10* mutants and *AtRPL10A* RNAi plants. (A) Genetic map showing the T-DNA insertion sites in *rpl10a* (*AtRPL10A-At1g14320*) & *rpl10c* (*AtRPL10C-At1g66580*) mutants. *rpl10b* (*AtRPL10B-At1g26910*) mutants were lethal and therefore RNAi lines were developed. (B) Expression of *AtRPL10A* in overexpression, RNAi and *Atrpl10a* mutant plants using RT-qPCR, (C) Expression of *AtRPL10B* in RNAi lines. (D) Expression of *AtRPL10C* in *Atrpl10c* mutants. (E) Expression of *AtRRM*, *AtRPL23* and *AtRPL30* in their respective mutants. Error bars indicate standard deviation for a minimum of three biological replicates.