



**Supplementary Figure 2.** Pedigree of the TX2WSE multi-parental population composed of six F<sub>1</sub> diploid rose populations derived from nine parents. Red and blue lines link progeny to female and male parents, respectively, generated using PediMap 1.2.

SET-ARE = *R. setigera*-ARE, SEB-ARE = *R. palustris* f. *plena* EB-ARE.