



**Supplementary Figure 1. The Homologous dotplot between *Chenopodium pallidicaule* and *Beta vulgaris*.** The numbers in the dotplot represent the chromosome numbers attributed to each respective species under consideration. Red fragments serve to represent optimal alignment between species, while blue segments indicate the secondary levels of correspondence. The line segments composed of red dots in the dotplot do not overlap in the horizontal and vertical directions, which reflects that the ratio of the best-matched homologous regions is 1:1.