



Supplementary Fig. S2. Relationship between TE density and the proportion of teM genes across four plant species. (a) Bar plots showing the percentage of teM genes (left) and the average number of TEs per 500-kb window (right) in FB, SH, *F. vesca*, and *A. thaliana*. FB exhibited both the highest teM ratio and TE density, while *A. thaliana* showed the lowest values for both metrics. (b) Regression analysis demonstrating a positive correlation ($R^2 = 0.7645$) between TE density and the proportion of teM genes across species. These results suggest that the elevated teM ratio observed in FB may be driven by its increased TE abundance. (c) Bar plots showing the proportion of teM genes (left) and the average number of TEs per 500-kb window (right) in each of the four subgenomes (A–D) for FB and SH. (d) Scatter plot with linear regression line illustrating the relationship between TE density and teM ratio (%) across all eight subgenomes (A–D of each cultivar).