

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Go terms enrichment of LTR-RT affected genes in *T. duratii*.

File Name: Supplementary Data 2

Description: Go terms enrichment of LTR-RT affected genes in *V. erythroductylon*.

File Name: Supplementary Data 3

Description: Top-20 maker genes of eleven root cell clusters in *V. erythroductylon*.

File Name: Supplementary Data 4

Description: Top-50 maker genes of ten leaf cell clusters in *T. duratii*.

File Name: Supplementary Data 5

Description: The cultivated locations of allspecies.