

Description of Additional Supplementary Files:

Supplementary Dataset 1: FLAG-TRBs IP-MS data.

Supplementary Dataset 2: Diff-H3K4me3 and H3K27me3 regions in trb1/2/3 and jmj14-1 mutants versus Col-0.

Supplementary Dataset 3: The list of TRB1 and JMJ14 co-bound genes.

Supplementary Dataset 4: The H3K4me3 and H3K27me3 levels of TRB1- JMJ14 co-bound genes in trb1/2/3 mutant vs Col-0. 5)

Supplementary Dataset 5: The DEG list of trb1/2/3 and jmj14-1 mutants.

Supplementary Dataset 6: List of primers.