



**Figure S2.** Ka and Ks analysis of plant CYP450 duplicated genes. The number (A), Ka (B), Ks (C), and Ka/Ks (D) of CYP450 duplicated genes. Segment, segmental duplicated gene pairs; tandem, tandem duplicated gene pairs; Ms-Os, CYP450 duplicated gene pairs between alfalfa and rice; Ms-At, CYP450 duplicated gene pairs between alfalfa and Arabidopsis; Ms-Gm, CYP450 duplicated gene pairs between alfalfa and soybean; Ms-Mt, duplicated gene pairs between alfalfa and thistle alfalfa.