

Fig. S1 The decrease of caffeoyl shikimate and the increase of caffeic acid along with the reaction process catalyzed by PoptoCSE12 with different reaction time 0 min (a), 30 min(b) and 60 min (c); HPLC of the caffeic acid (d) and caffeoyl shikimate (e).

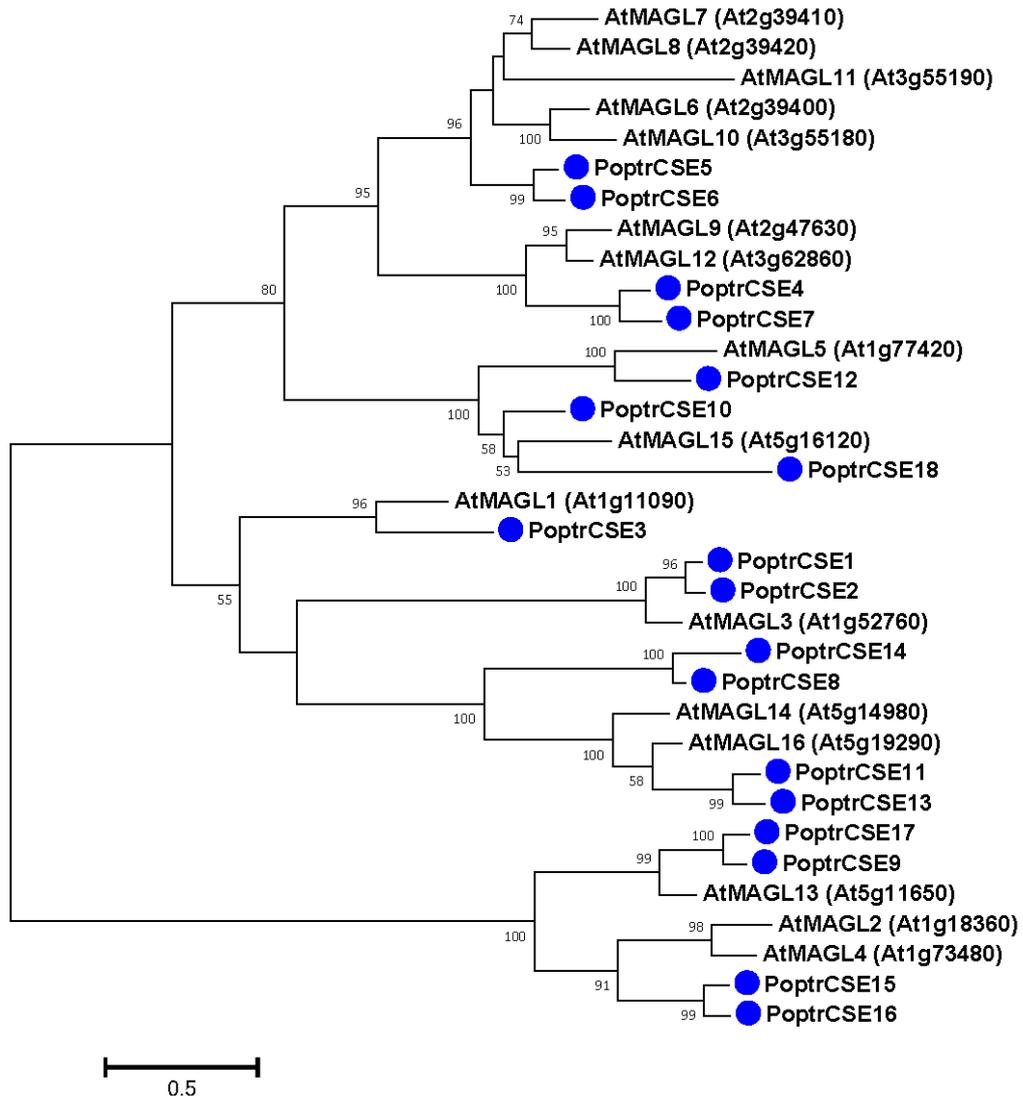


Fig. S2 The phylogenetic analysis of PoptrCSE and PoptrCSE-like proteins with AtMAGLs. Clusters are corresponding with groups in Fig. 4.