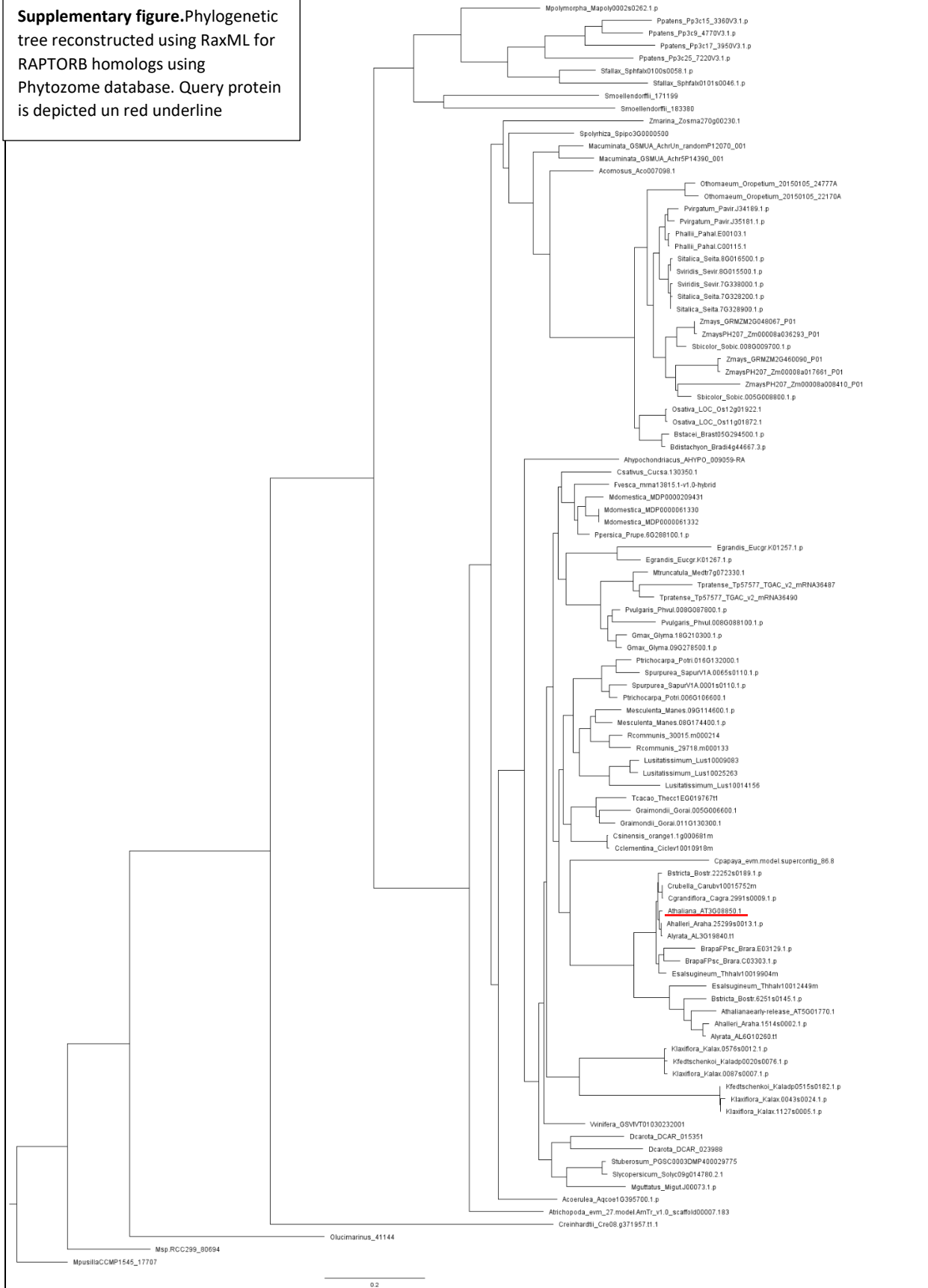**Supplementary figure.** Phylogenetic tree reconstructed using RaxML for RAPTORB homologs using HomoloGene database. Query protein is depicted un red underline.
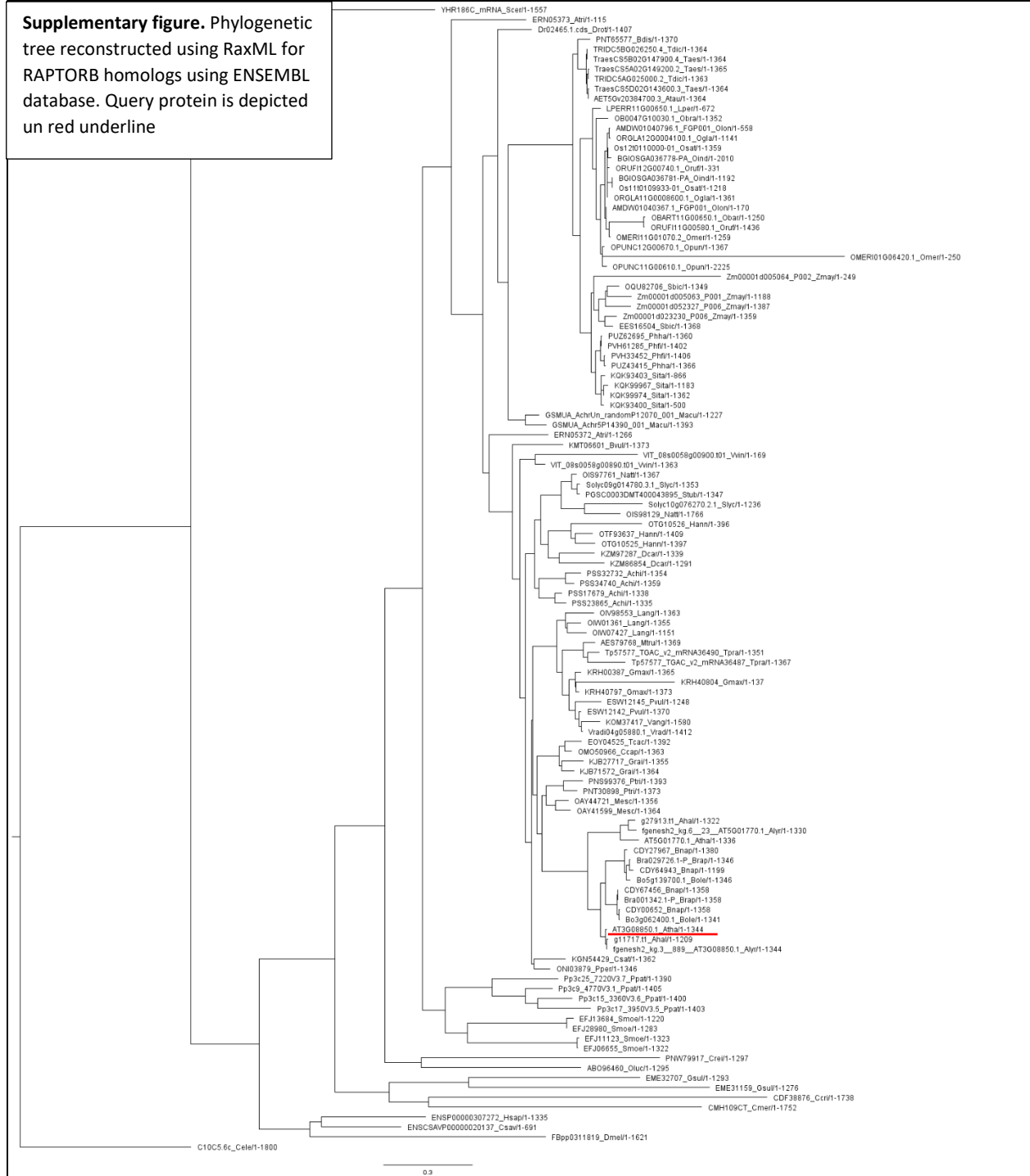
Supplementary figure. Phylogenetic tree reconstructed using RaxML for RAPTORB homologs using Phytozome database. Query protein is depicted un red underline
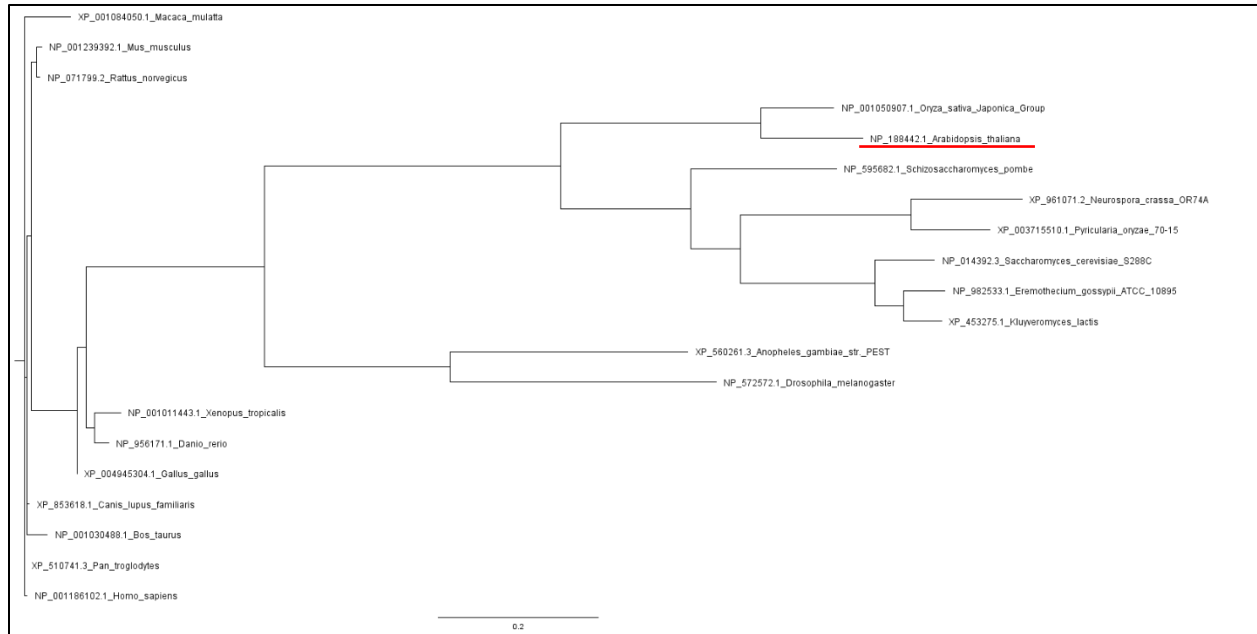
Supplementary figure. Phylogenetic tree reconstructed using RaxML for RAPTORB homologs using BLAST database. Query protein is depicted un red underline
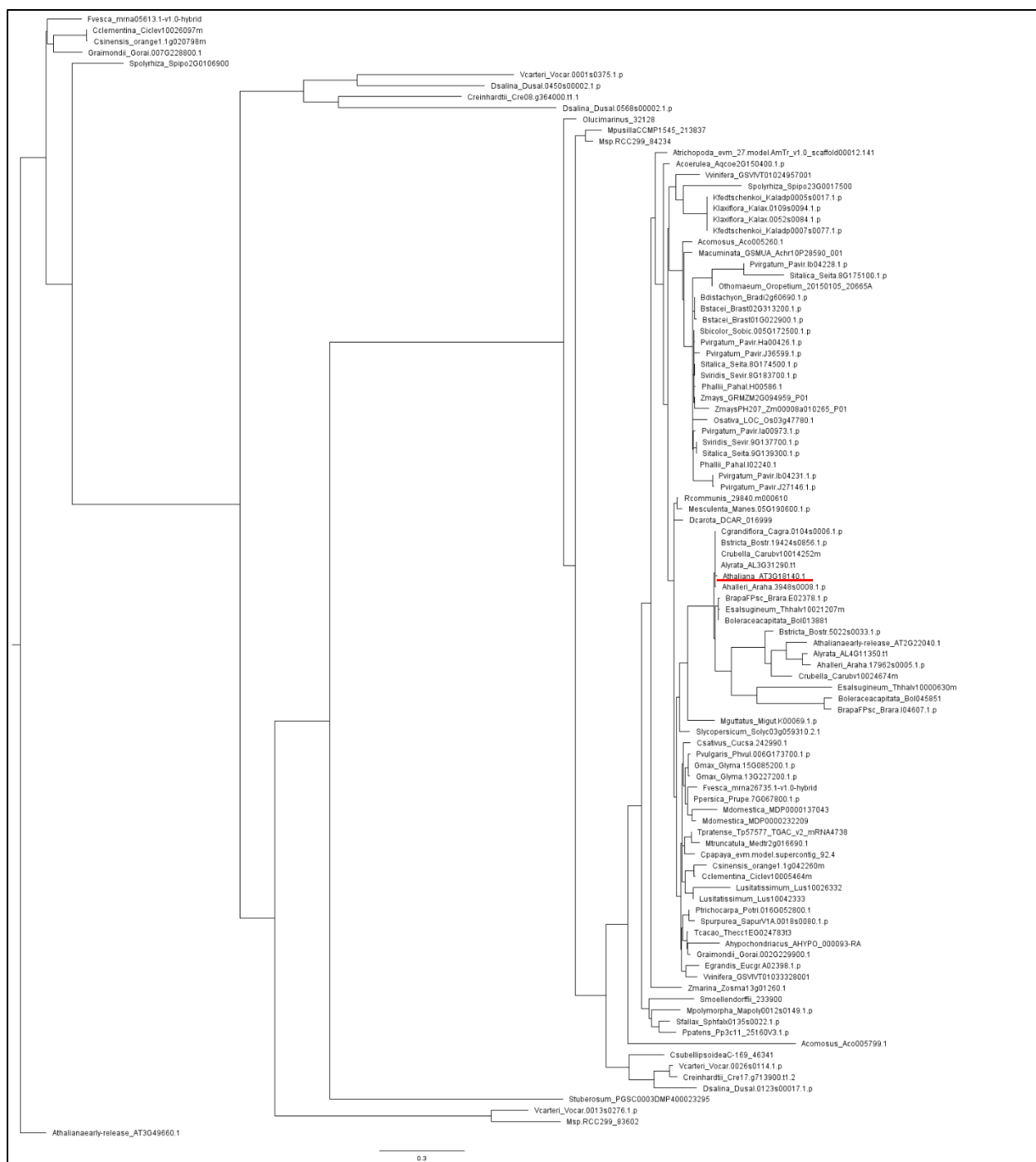
Supplementary figure. Phylogenetic tree reconstructed using RaxML for RAPTORB homologs using ENSEMBL database. Query protein is depicted un red underline
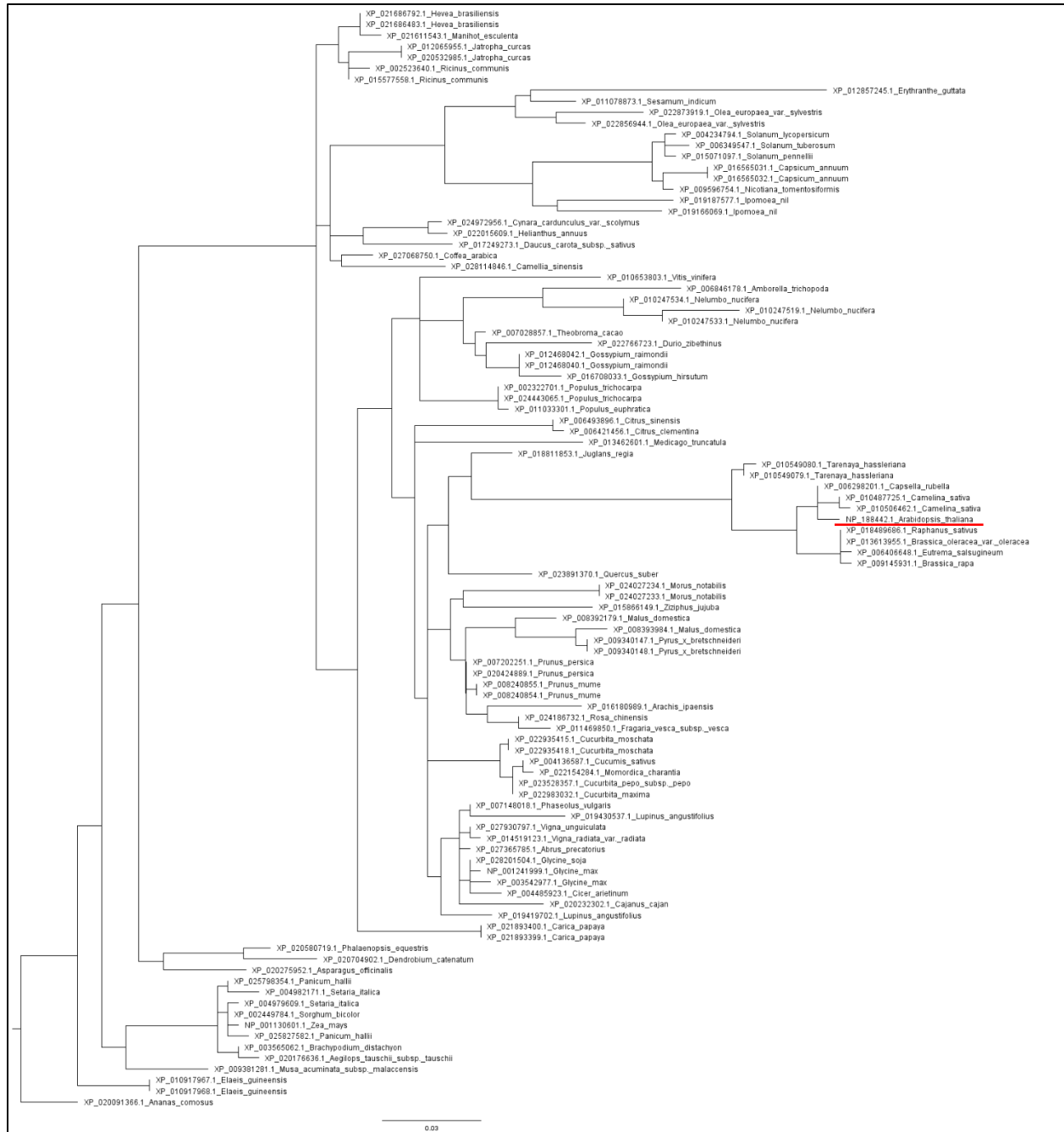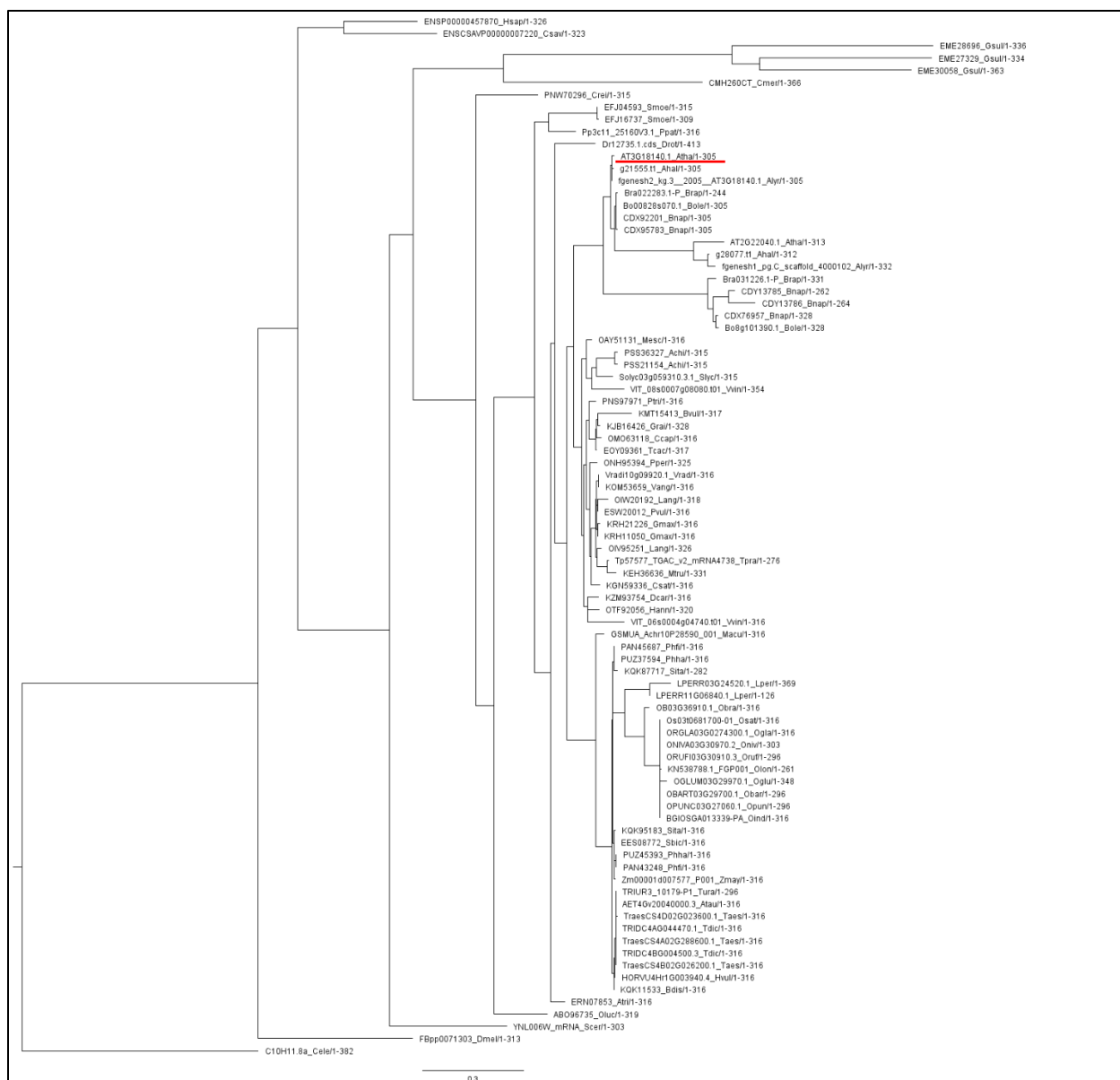
Supplementary figure. Phylogenetic tree reconstructed using RaxML for LST8 homologs using HomoloGene database. Query protein is depicted un red underline.

Supplementary figure. Phylogenetic tree reconstructed using RaxML for LST8 homologs using Phytozome database. Query protein is depicted un red underline.

Supplementary figure. Phylogenetic tree reconstructed using RaxML for LST8 homologs using BLAST database. Query protein is depicted un red underline.

Supplementary figure. Phylogenetic tree reconstructed using RaxML for LST8 homologs using ENSEMBL database. Query protein is depicted un red underline.

Supplementary figure. Phylogenetic tree reconstructed using RaxML for TOR homologs using HomoloGene database. Query protein is depicted un red underline.
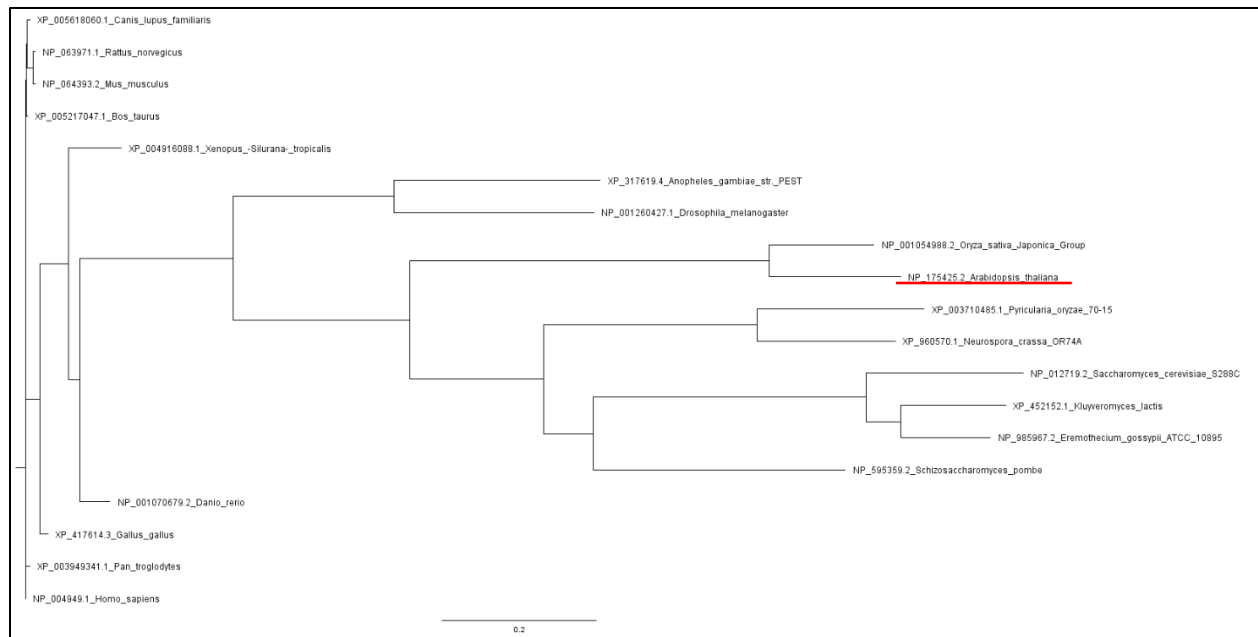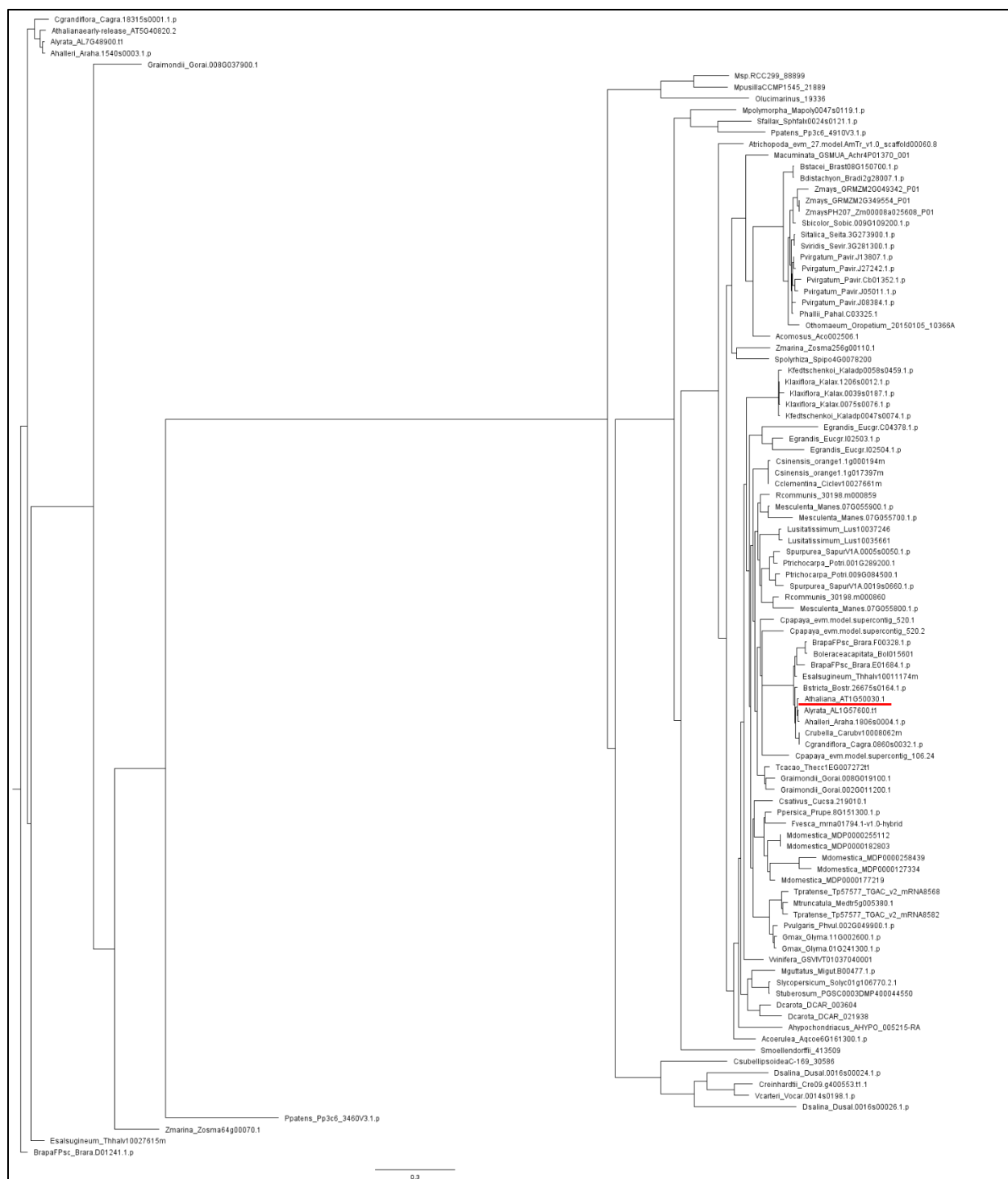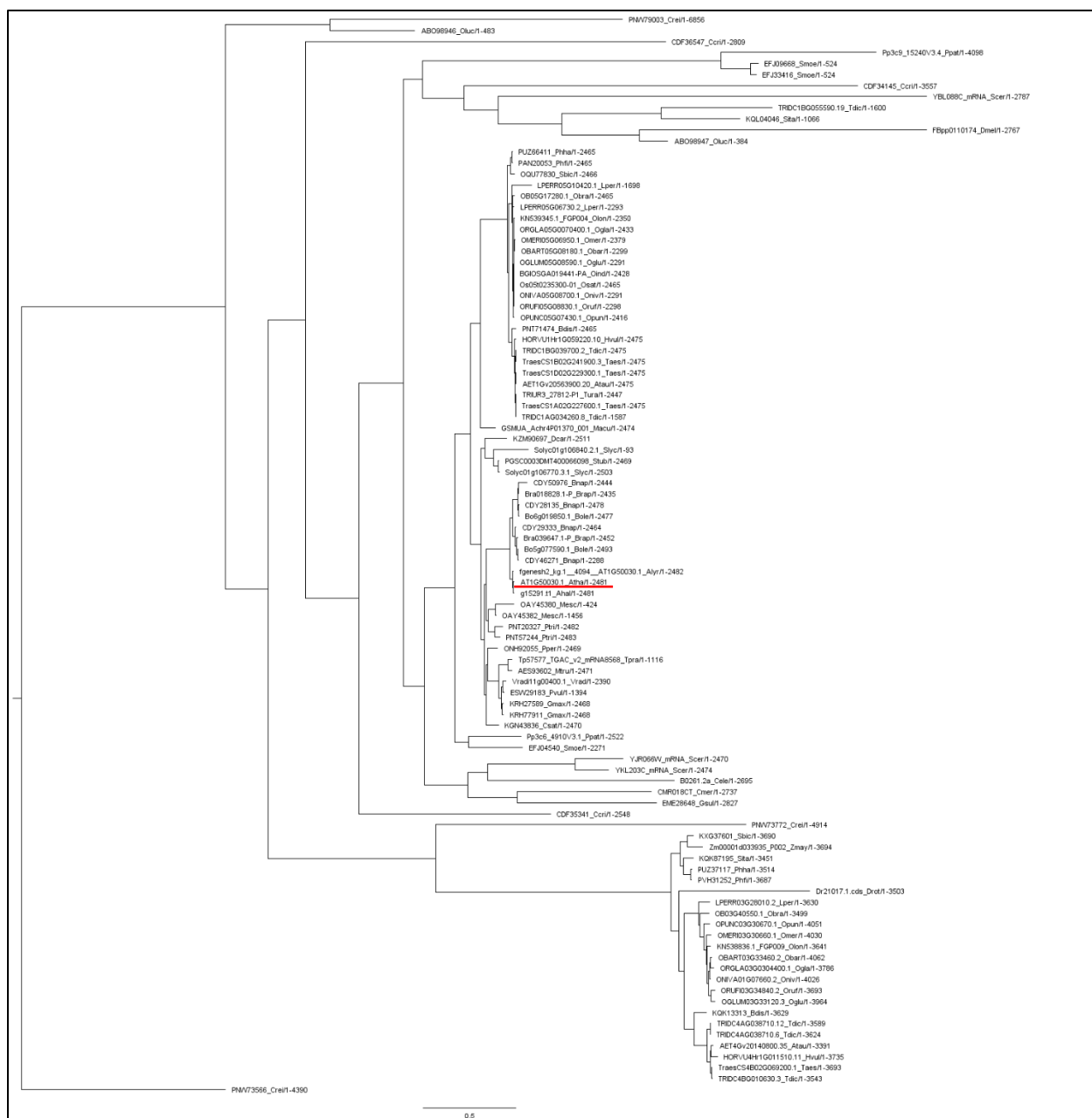
Supplementary figure. Phylogenetic tree reconstructed using RaxML for TOR homologs using Phytozome database. Query protein is depicted un red underline.

Supplementary figure. Phylogenetic tree reconstructed using RaxML for TOR homologs using BLAST database. Query protein is depicted un red underline.

Supplementary figure. Phylogenetic tree reconstructed using RaxML for TOR homologs using ENSEMBL database. Query protein is depicted un red underline.