## **Description of Additional Supplementary Files**

File name: Supplementary Data 1

**Description:** List of samples used in this study.

File name: Supplementary Data 2

**Description:** . CAZymes found in every sample used in this study.

**File name:** Supplementary Data 3

**Description:** Phylogenetic trees of 116 CAZymes containing termite-specific clusters

(TSCs).

File name: Supplementary Data 4

Description: List of the 126 CAZyme families and subfamilies containing 420 termite-

specific clusters (TSCs) found in this study.

**File name:** Supplementary Data 5

**Description:** Phylogenetic trees of 420 termite-specific clusters (TSCs).

File name: Supplementary Data 6

**Description:** Results of the cophylogenetic analyses for every termite-specific cluster (TSC).