

A- *Ca. saccharolyticus* DSM 8903
 B- *Ca. bescii* DSM 6725
 C- *P. furiosus* DSM 3638
 D- *Th. kodakaraensis* KOD1
 E- *T. neapolitana* DSM 4359
 F- *T. petrophila* RKU-1
 G- *T. maritima* MSB8
 H- *Cal. subterraneus* MB4
 I- *E. harbinense* YUAN-3T
 J- *C. cellulolyticum* H10
 K- *C. phytofermentans* ISDg
 L- *C. thermocellum* ATCC 27405
 M- *C. thermocellum* DSM 4150
 N- *Ta. pseudethanolicus* ATCC 33223
 O- *G. thermoglucosidius* C56-YS93
 P- *B. cereus* ATCC 14579

