

Additional File 7: Best-fit evolutionary models predicted with Prottest 3.4 or jmodeltest-2.1.9 for each alignment.

Locus tag/Gene/Tree	Model
MaNRPS-PKS2 (MANI_018878)	JTT+I+G+F
MaPKS1 (MANI_014762)	LG+I+G+F
MaTERP1 (MANI_010532)	LG+G
MaTERP1 (MANI_010531)	LG+I+G+F
MaTERP1 (MANI_010536)	LG+I+G+F
MaTERP1 (MANI_010537)	JTT+G+F
MaTERP1 (MANI_010495)	LG+I+G+F
MaTERP1 (MANI_010530)	LG+I+G+F
MaTERP1 (MANI_010594)	LG+G+F
MaTERP1 (MANI_010512)	LG+G+F
MaTERP1 (MANI_010527)	LG+G+F
<i>tef1</i>	GTR+I+G
supermatrix	JTT+G
All PKS tree	LG+I+G+F