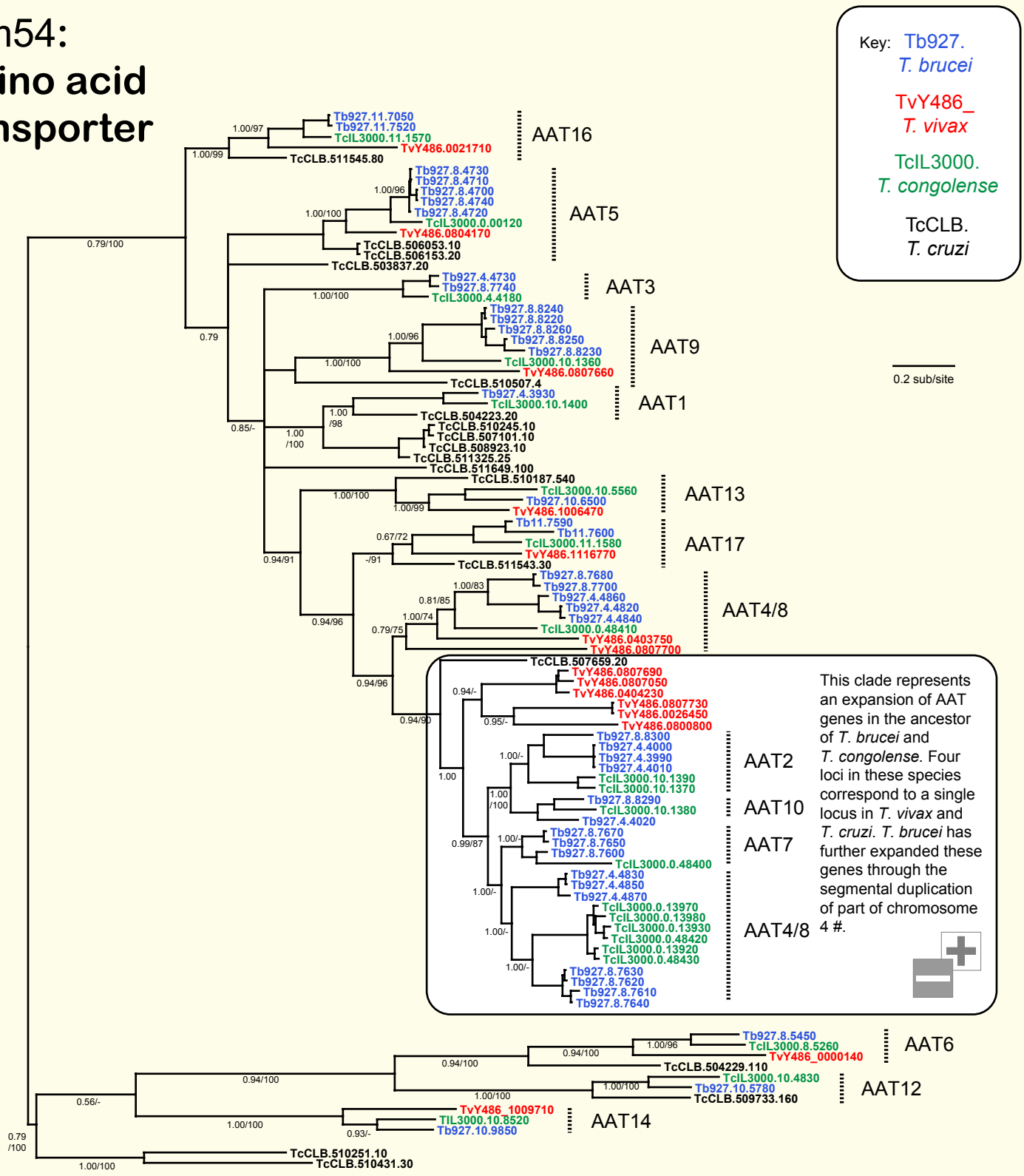
If you use these data, please cite:

Jackson, AP et al. 2012. A cell surface phylome for African Trypanosomes. *Manuscript submitted.*

Fam54: **Amino acid transporter**



NOTES: **Fam54** comprises the amino acid transporter and polyamine transporter families that are expressed in Trypanosomatid membranes. Each locus in this large family is given a number ("**AAT***X*"), which refers to a conserved genomic position as described in Jackson (2007) *BMC Evolutionary Biology*, **7**: 26. # See Jackson (2007) *BMC Evolutionary Biology*, **8**: 432.

The Bayesian phylogram was estimated from a multiple nucleotide sequence alignment of 1683 characters, using MrBayes under default settings. The tree is rooted using polyamine transporters as an outgroup. Selected nodes are supported by posterior probabilities and non-parametric bootstraps generated from a maximum likelihood analysis under a GTR+Γ model.