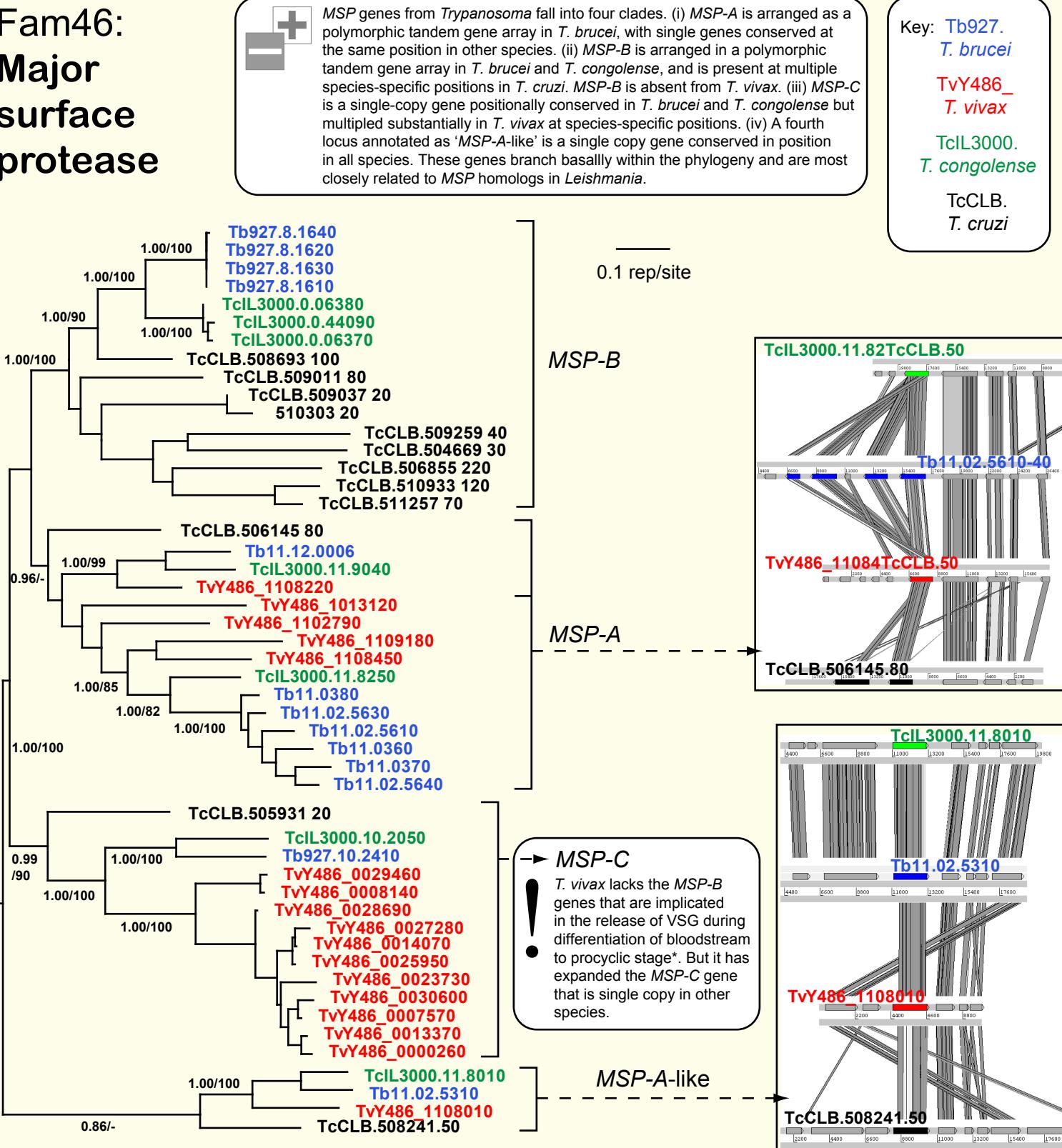


If you use these data, please cite:

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

Fam46: Major surface protease



NOTES: Fam46 comprises predicted major surface protease genes (i.e. gp63) from various loci throughout genomes from all species. All members encode 9-11 transmembrane helices; several members have predicted signal peptides. The Bayesian phylogram was estimated from a multiple protein sequence alignment of 485 characters, using MrBayes under default settings. The tree is rooted with orthologs from the divergent MSP-A-like locus (TcCLB.508241.50). Selected nodes are supported by posterior probability values and non-parametric bootstraps generated from a maximum likelihood analysis using an LG model with rate heterogeneity. * Gruszynski et al. 2003. J Biol Chem. 278:24665-72.