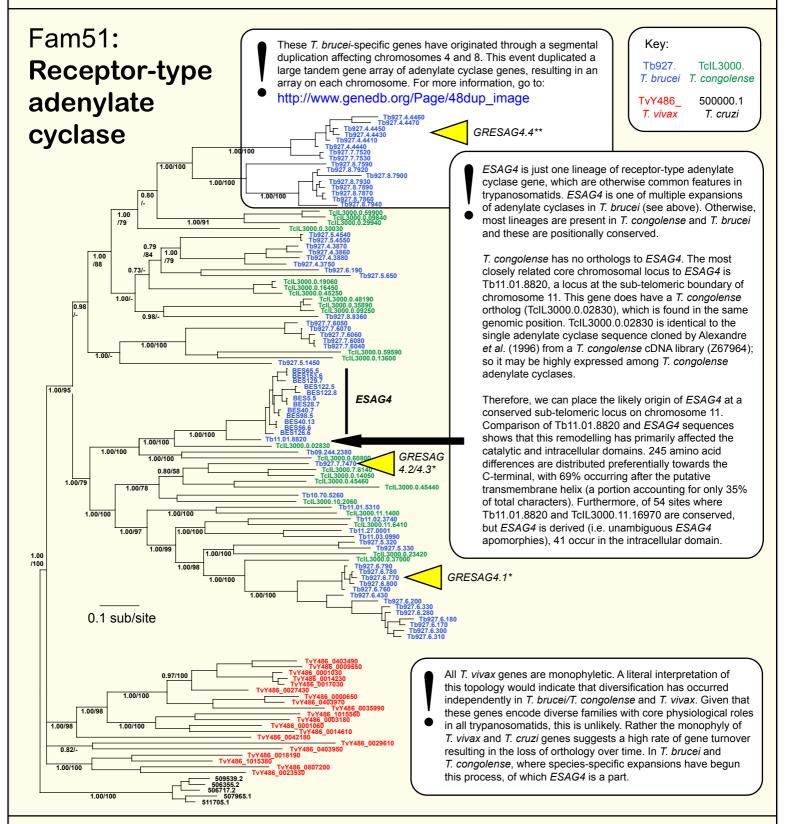
If you use these data, please cite:

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







NOTES: Fam51 includes the expression-site associated adenylate cyclase ESAG4 from T. brucei 427, as well as related genes from T. brucei 927 ('GRESAG4') and other species. Copy number of tandemly arrayed adenylate cyclase genes is imprecise.* Alexandre et al. Mol Biochem Parasitol. 43, 279-288 (1990). ** Naula et al. Mol. Biochem. Parasitol. 112, 19-28 (2001). Published GRESAG4 are indicated by yellow arrows.

The Bayesian phylogram was estimated from a multiple protein sequence alignment of 247 characters, using MrBayes under default settings. The tree is mid-point rooted with *T. cruzi* sequences (only a fraction of total *T. cruzi* sequences shown). Selected nodes are supported by posterior probabilities and non-parametric bootstraps from a maximum likelihood analysis under an LG model with rate heterogeneity.