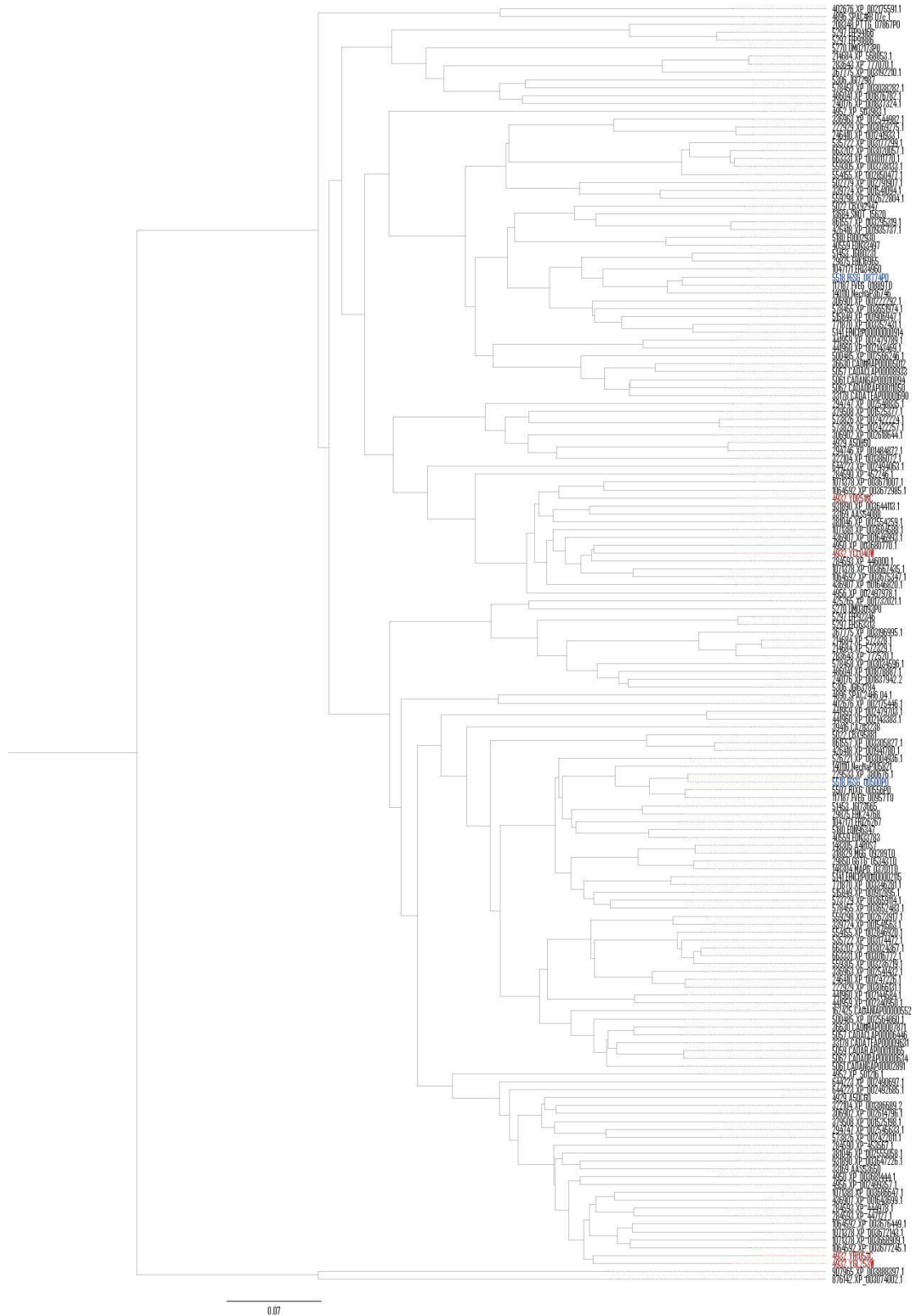# Assignment 2 - Comparative genomics
Biancamaria Florenzi, r0777934

The alignment of the given file is carried out with clustalw. I visualised the tree in FigTree, rooting it with the outgroups with taxids: 907965, 876142.



0.07

The proteins with the given taxid id 4932, which are shown in red in the image correspond to the protein VAN1, which can be found on the yeast database. Its function is "Component of the mannan polymerase I; complex contains Van1p and Mnn9p and is involved in the first steps of mannan synthesis; mutants are vanadate-resistant" according to the database.

The protein with taxid 5518 from Fusarium graminearum is the protein FGSG_00500P0 and is highlighted in blue in the tree. Orthologous to this protein is any other resulting from a speciation event and with which this protein shares a common ancestor.