Fig 1 Matrix BLOSUM Amino acids identity: : 100 >= 75 >= 50 < 50

Gap opening penalty 10 Gap extension penalty .05 Number of perfect matches 520

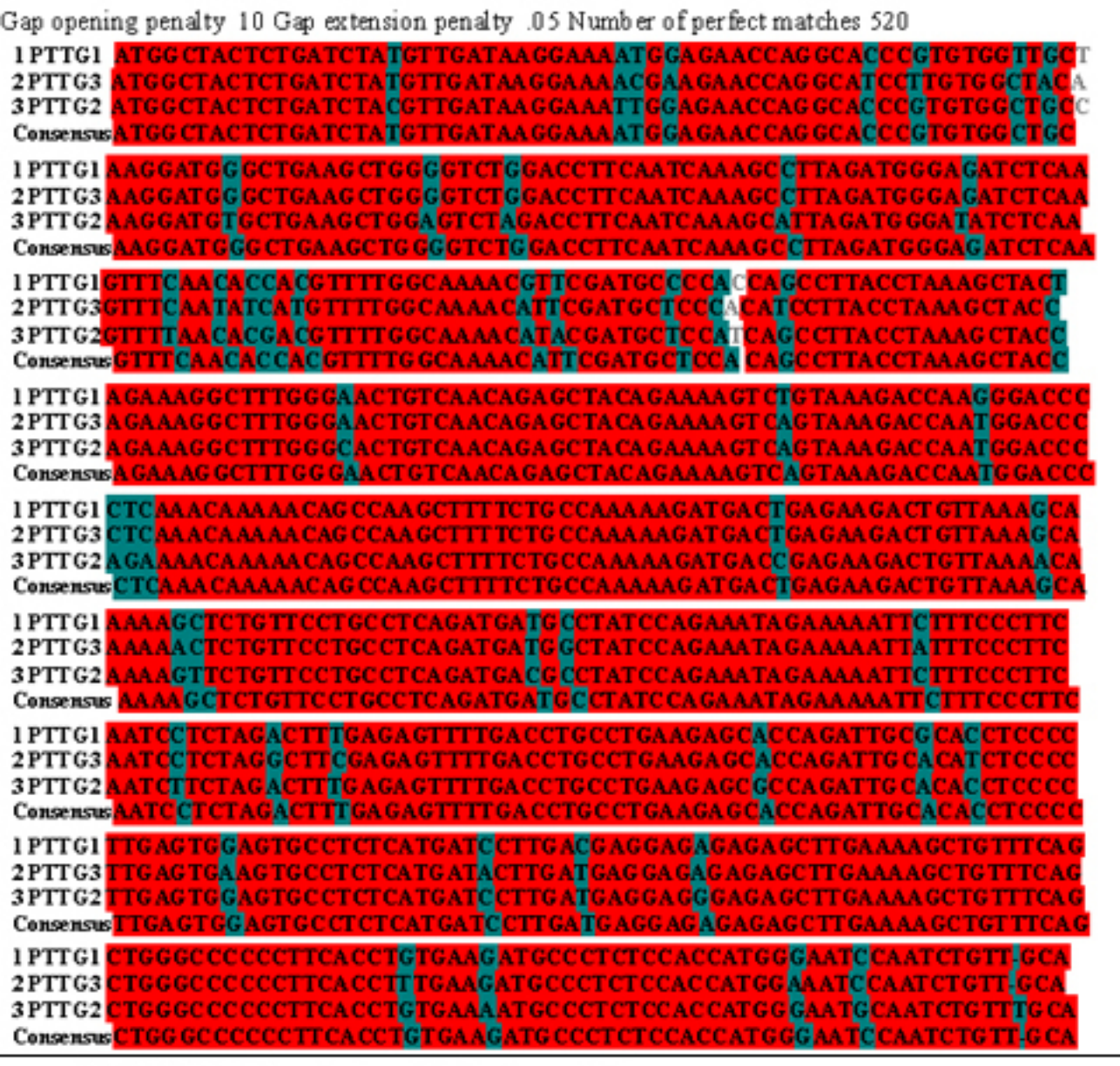

Fig 2 Matrix BLOSUM Amino acids identity: : 100 >= 75 >= 50 < 50

Gap opening penalty 10 Gap extension penalty .05 Number of perfect matches 373

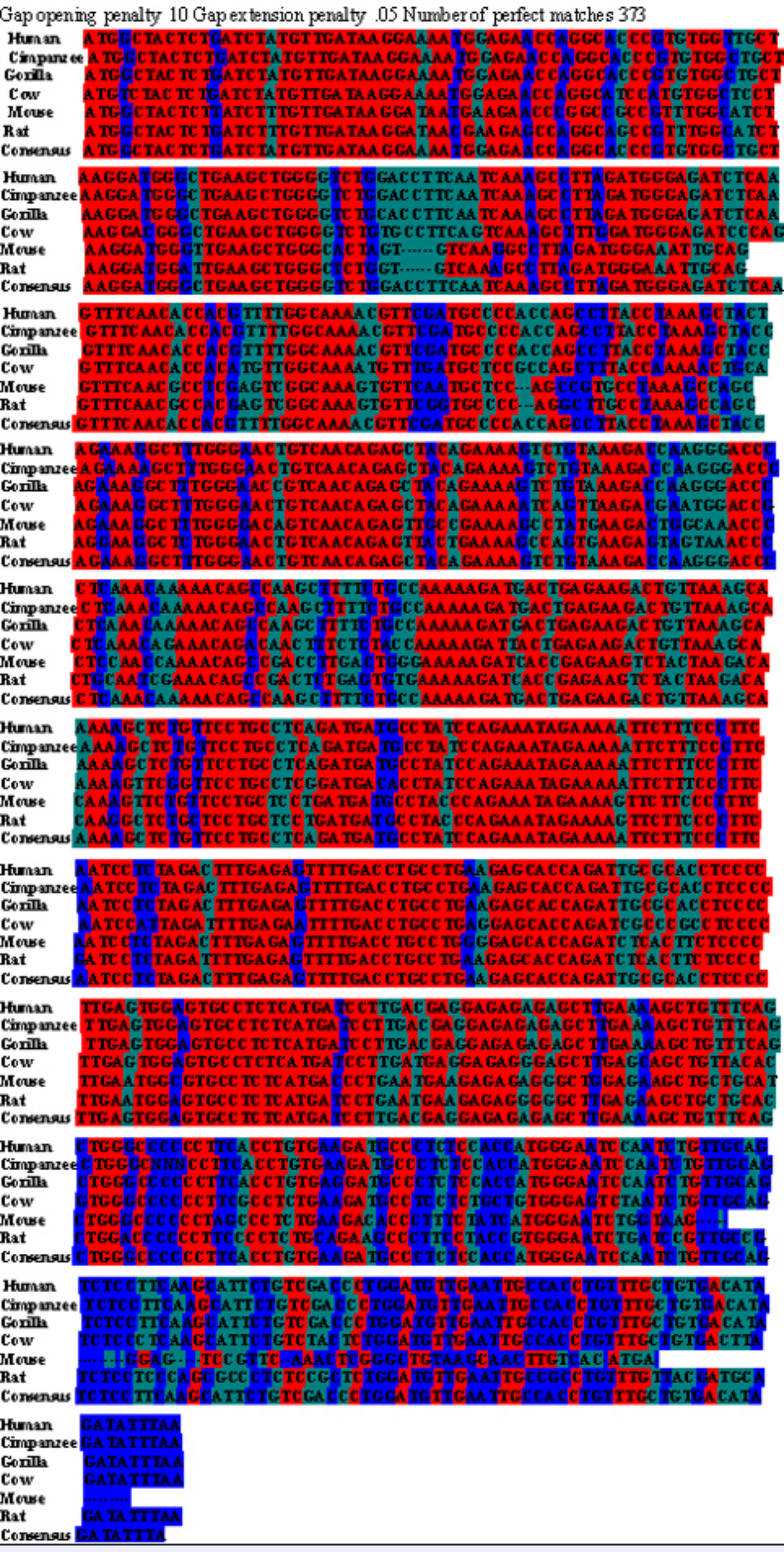

Fig 3

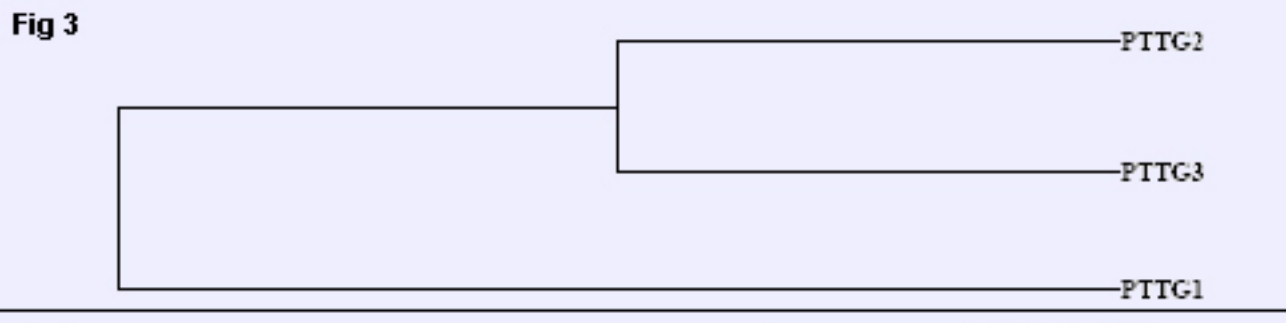
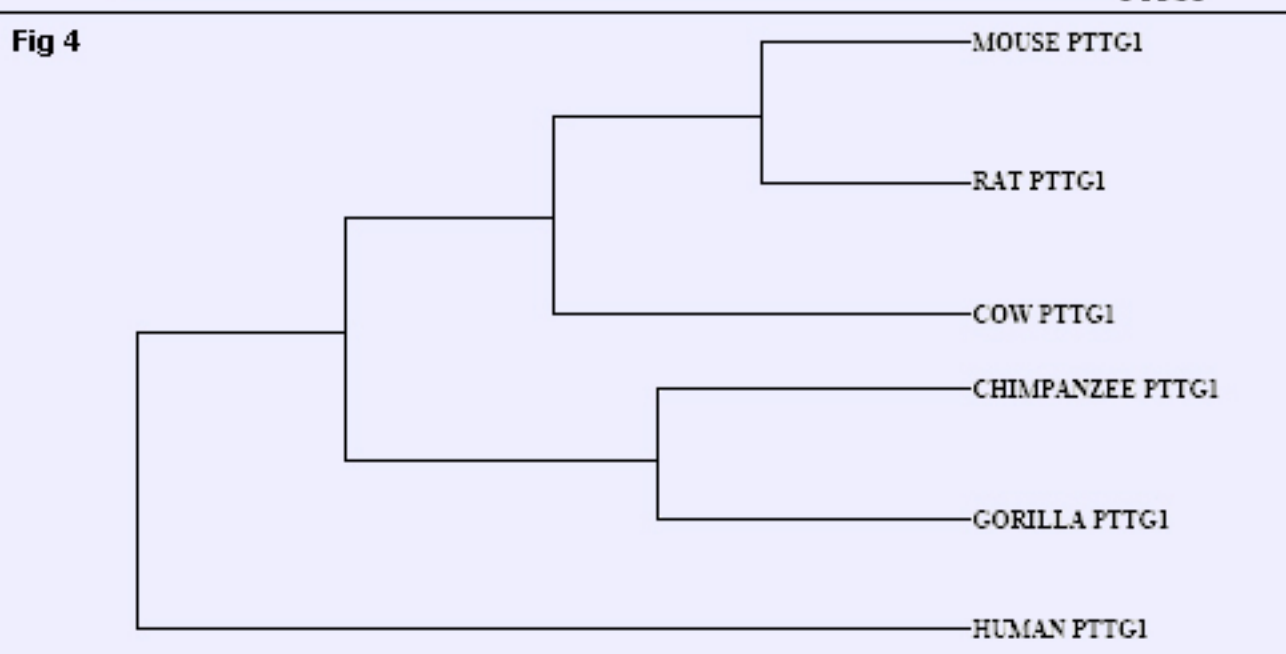
Fig 4