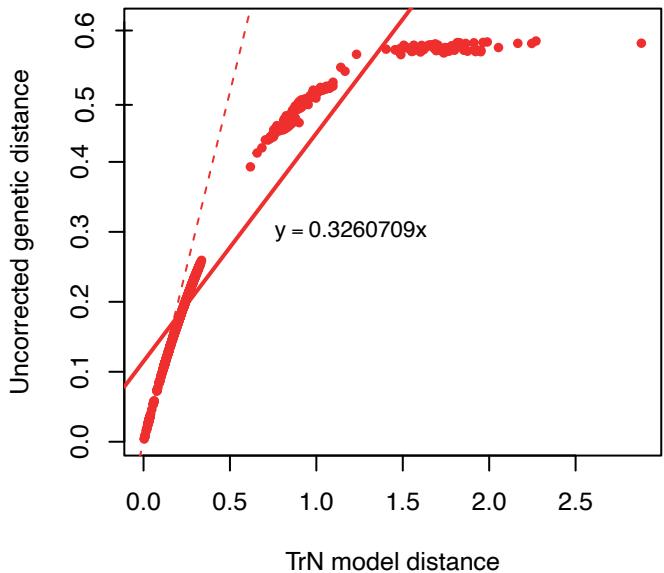
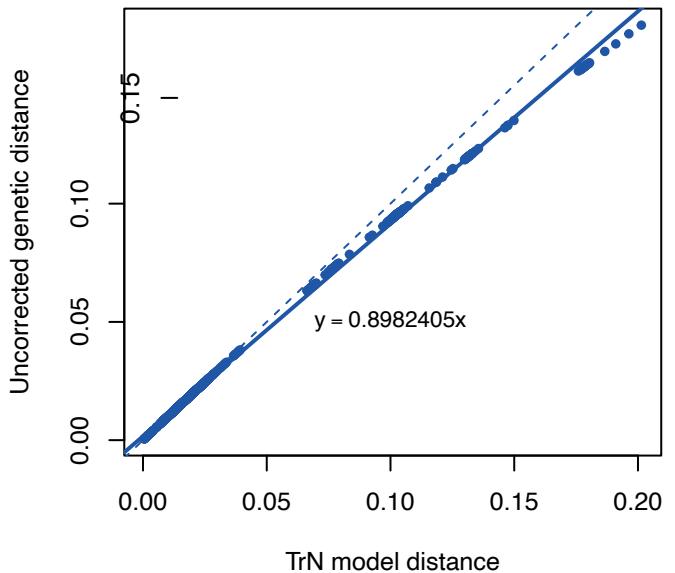
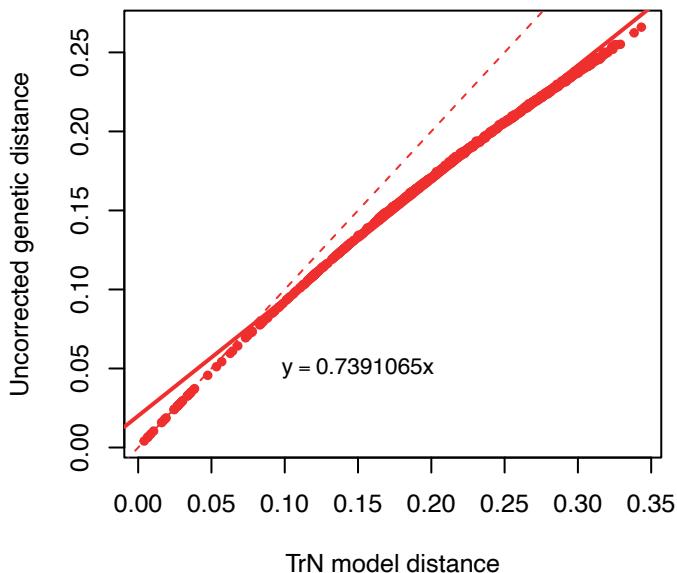
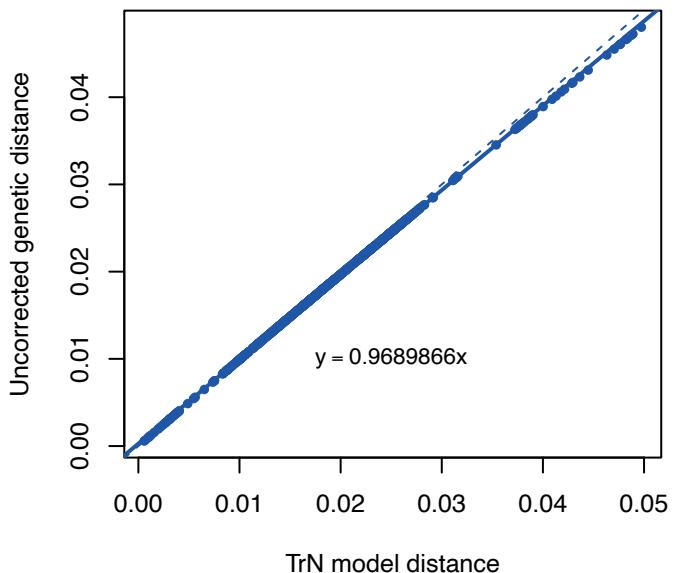
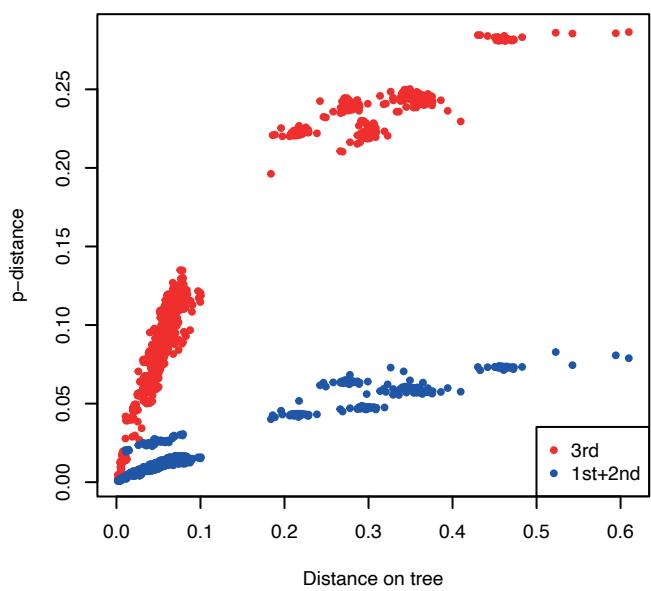


a)

**3rd positions****1st + 2nd positions****3rd pos., no outgroup****1st+2nd pos., no outgroup**

b)

**Codon pos 1st+2nd vs. 3rd****Codon pos 1st+2nd vs. 3rd, no outgroup**