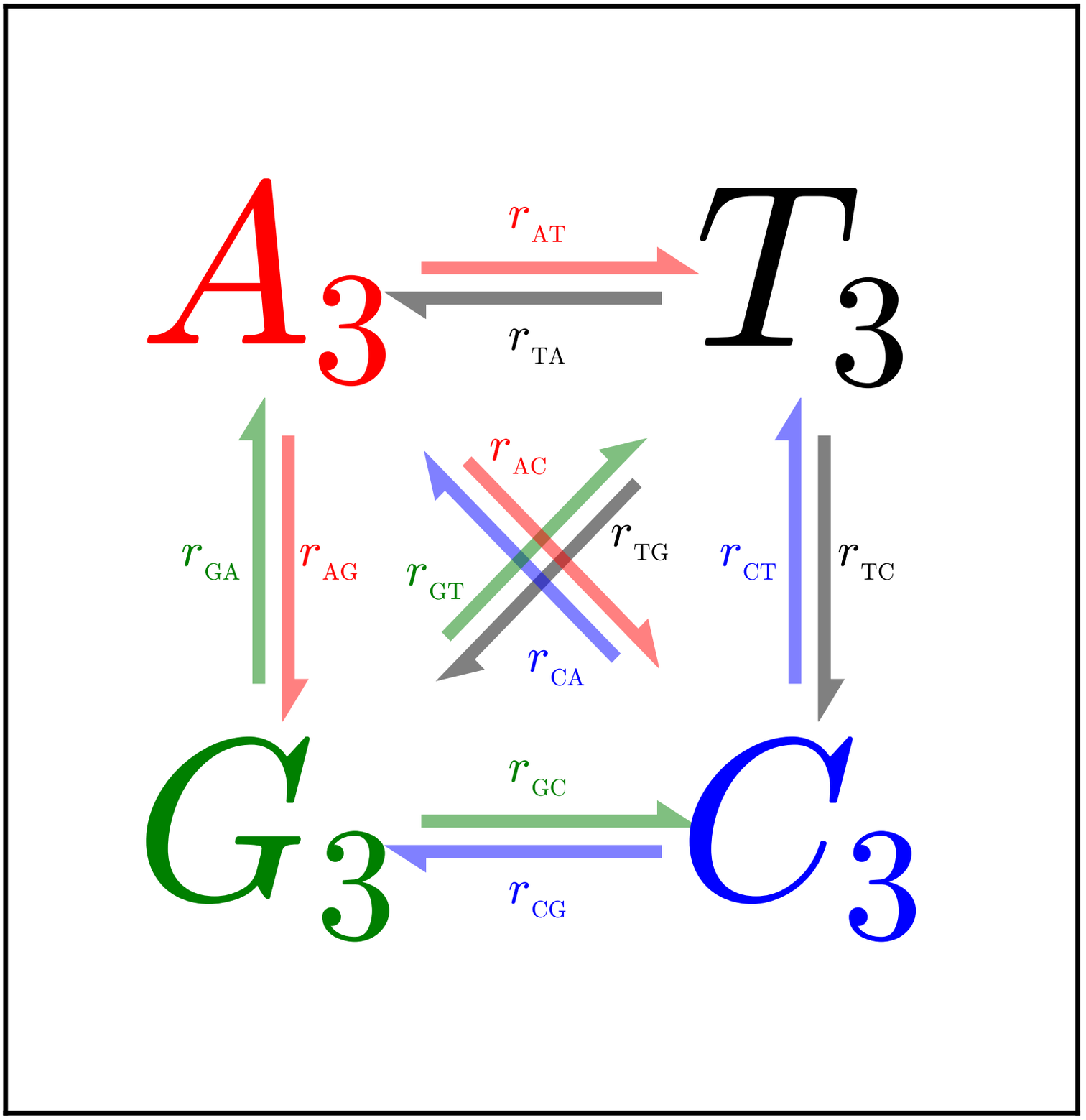
A_3
T_3
G_3
C_3
r_{AT}
r_{TA}
r_{GA}
r_{AG}
r_{AC}
r_{GT}
r_{TG}
r_{CA}
r_{CT}
r_{TC}
r_{GC}
r_{CG}