

0 1 2 3 4 5 6 7 8 9
X = **G T T C C T A A T A**

Y = C **G** A **T** A A **T T** G **A** G **A**

0 1 2 3 4 5 6 7 8 9 10 11

```
graph TD
    X0[0 G] --- Y1[1 G]
    X1[1 T] --- Y3[3 T]
    X2[2 T] --- Y6[6 T]
    X5[5 T] --- Y7[7 T]
    X6[6 A] --- Y9[9 A]
    X9[9 A] --- Y11[11 A]
```