**position-independent**

```
 |   |   |   |   |   |   |   |   |   |   |   |   |
 G   T   T   A   A   C   T   G   A   G   T   A   A   C   G
 |   x   x   |   x   |   |   |   |   |   |   |   x   |   |   |
 G   C   A   A   G   C   T   G   A   G   T   T   A   C   G
```

P(G-G)*P(T-C)*P(T-A)...

**coding**

```
      G           Q           K           V           L
   ┌─────┐     ┌─────┐     ┌─────┐     ┌─────┐     ┌─────┐
   G  G  T  C  A  G  A  A  A  G  T  A  C  T  T
   |  |  x  |  |  |  |  |  |  x  |  |  x  |  |  x
   G  G  A  C  A  G  A  A  G  G  T  T  C  T  C
```

P(GGT-GGA)*P(CAG-CAG)*...

**structural RNA**

```
 |   |       |   |   |   |   |   |
 T   T   G   T   T   C   G   A   A   A   G   A   A   C   G
 |   |   |   x   x   |   |   |   |   |   |   x   x   |   |
 T   T   G   A   C   C   G   A   A   A   G   G   T   C   G
```

P(T-T)*P(T-T)*P(GC-GC)*P(TA-AT)*...