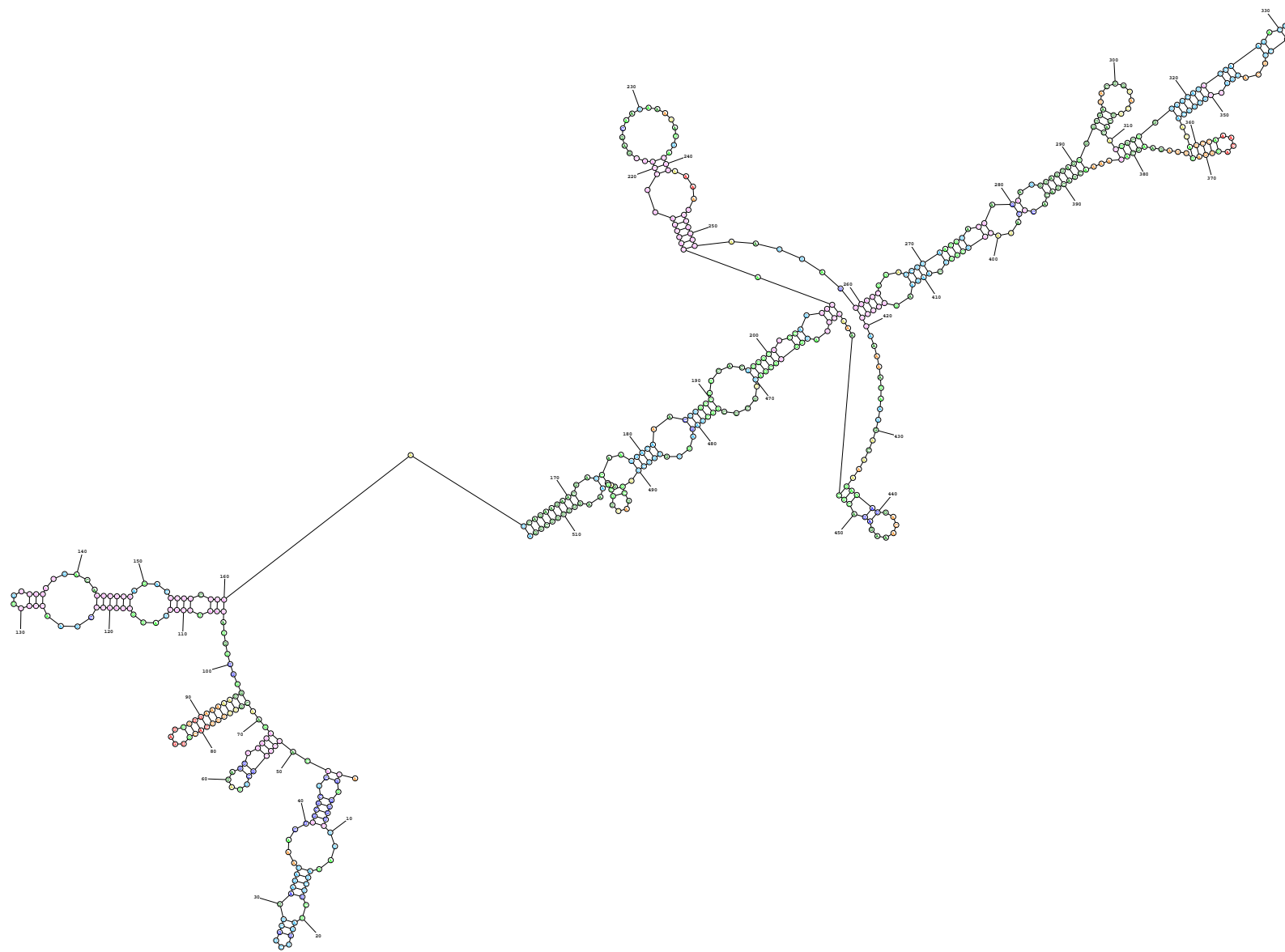


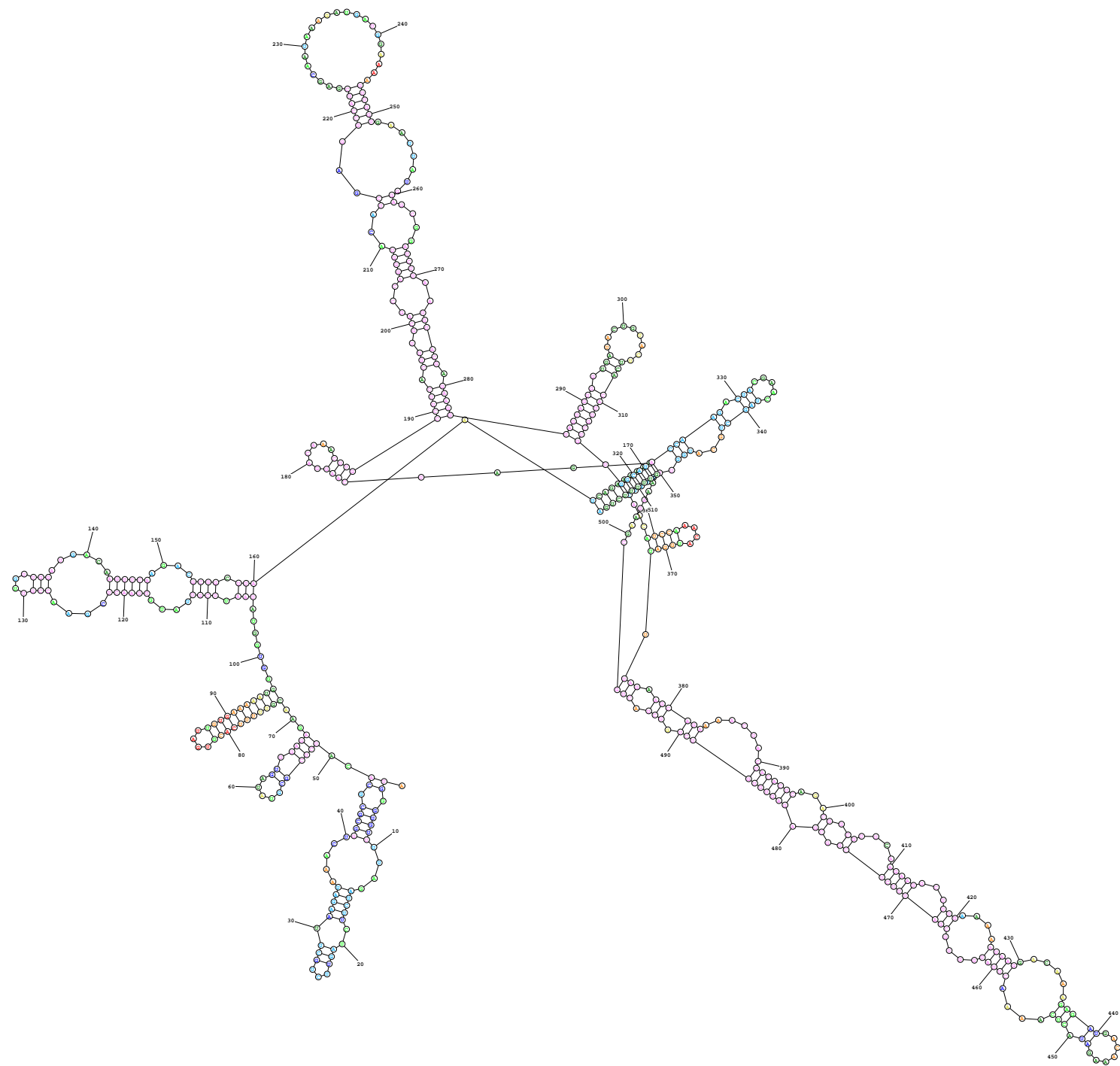
**Probability >= 99%**  
**99% > Probability >= 95%**  
**95% > Probability >= 90%**  
**90% > Probability >= 80%**  
**80% > Probability >= 70%**  
**70% > Probability >= 60%**  
**60% > Probability >= 50%**  
**50% > Probability**

**ENERGY = -123.2 Vank86-DNA**



**Probability >= 99%**  
**99% > Probability >= 95%**  
**95% > Probability >= 90%**  
**90% > Probability >= 80%**  
**80% > Probability >= 70%**  
**70% > Probability >= 60%**  
**60% > Probability >= 50%**  
**50% > Probability**

**ENERGY = -123.1 Vank86-DNA**



**Probability  $\geq$  99%**

**99%  $>$  Probability  $\geq$  95%**

**95%  $>$  Probability  $\geq$  90%**

**90%  $>$  Probability  $\geq$  80%**

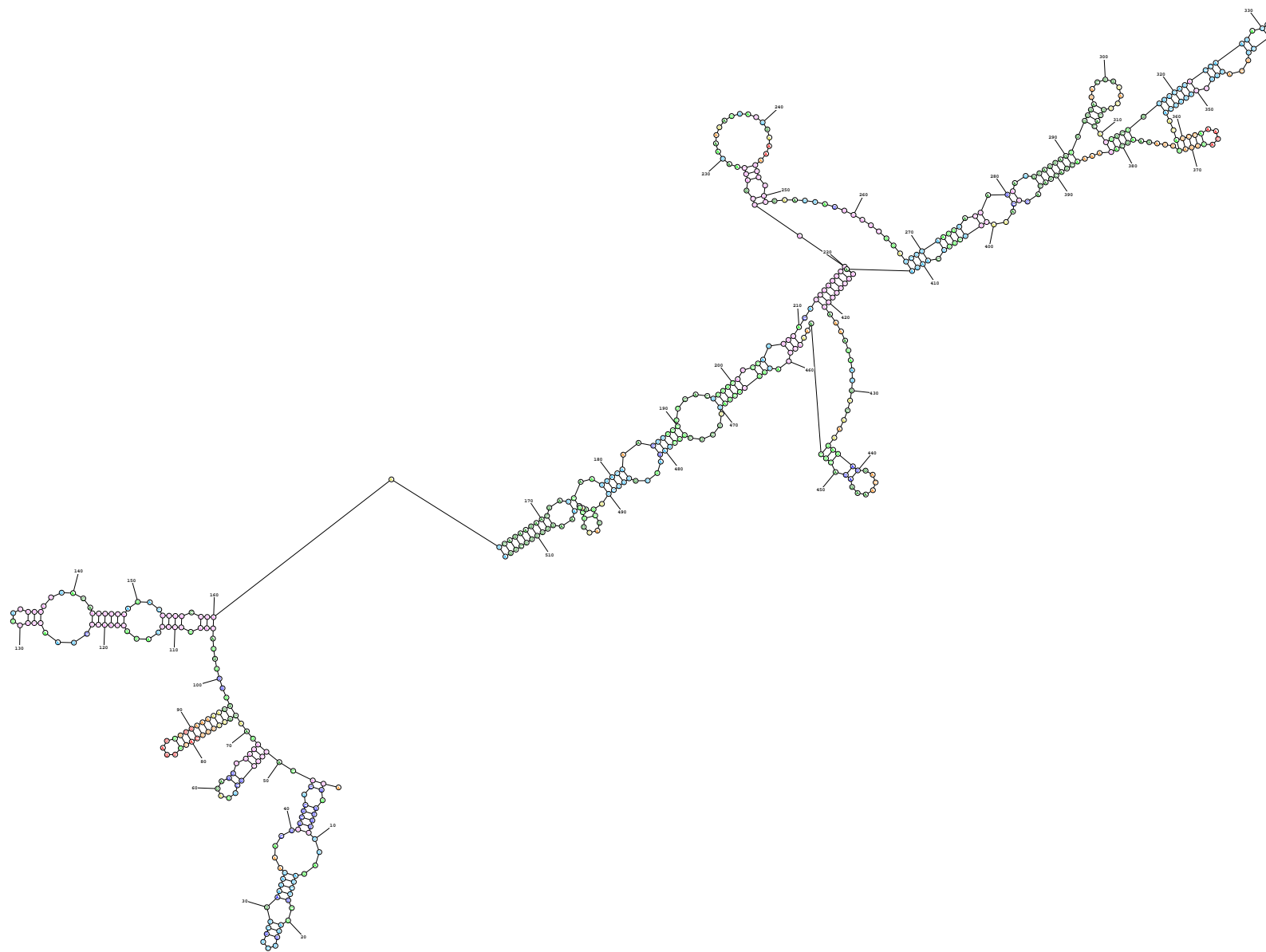
**80%  $>$  Probability  $\geq$  70%**

**70%  $>$  Probability  $\geq$  60%**

**60%  $>$  Probability  $\geq$  50%**

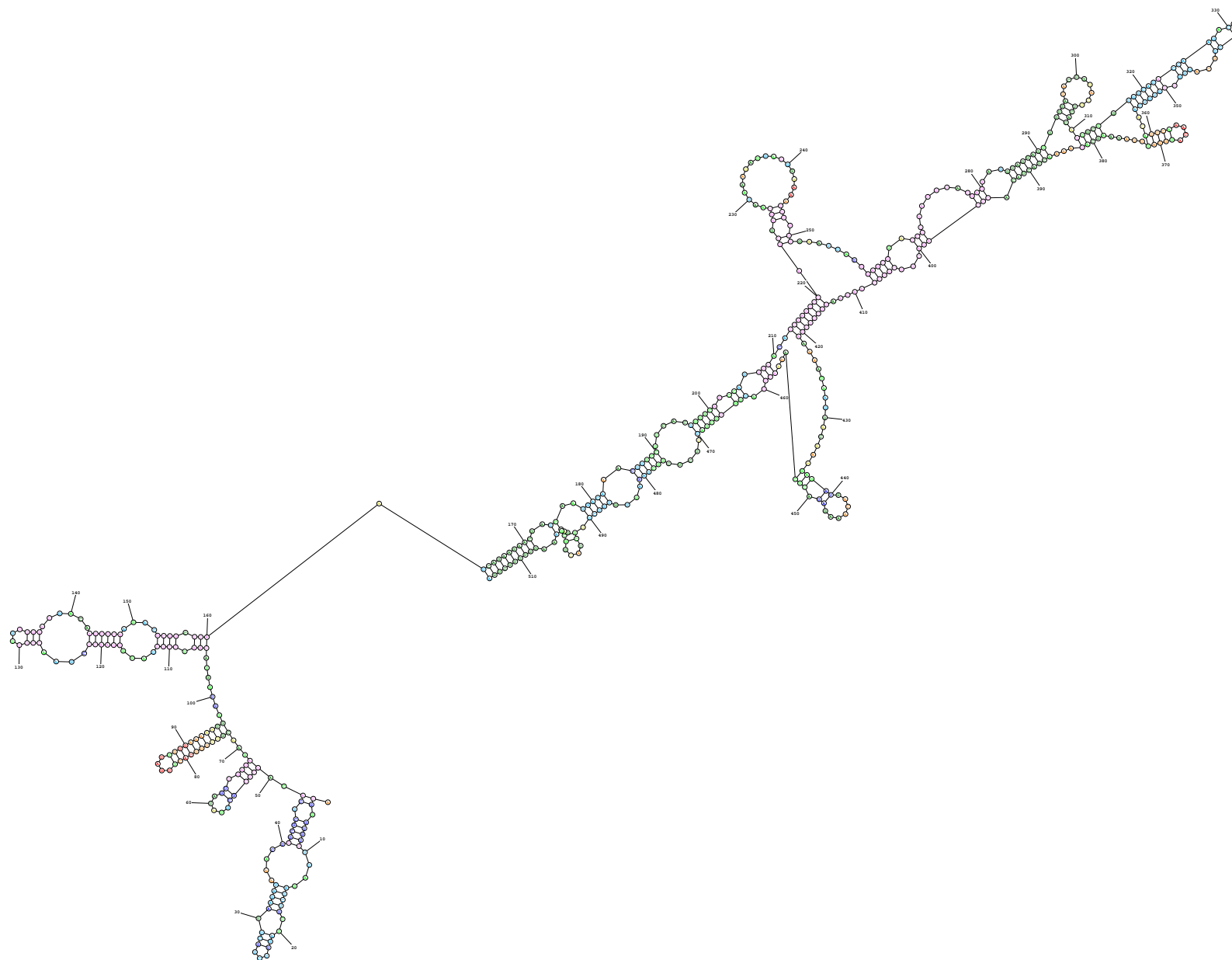
**50%  $>$  Probability**

**ENERGY = -123.0 Vank86-DNA**



**Probability >= 99%**  
**99% > Probability >= 95%**  
**95% > Probability >= 90%**  
**90% > Probability >= 80%**  
**80% > Probability >= 70%**  
**70% > Probability >= 60%**  
**60% > Probability >= 50%**  
**50% > Probability**

**ENERGY = -122.9 Vank86-DNA**



**Probability  $\geq$  99%**

**99%  $>$  Probability  $\geq$  95%**

**95%  $>$  Probability  $\geq$  90%**

**90%  $>$  Probability  $\geq$  80%**

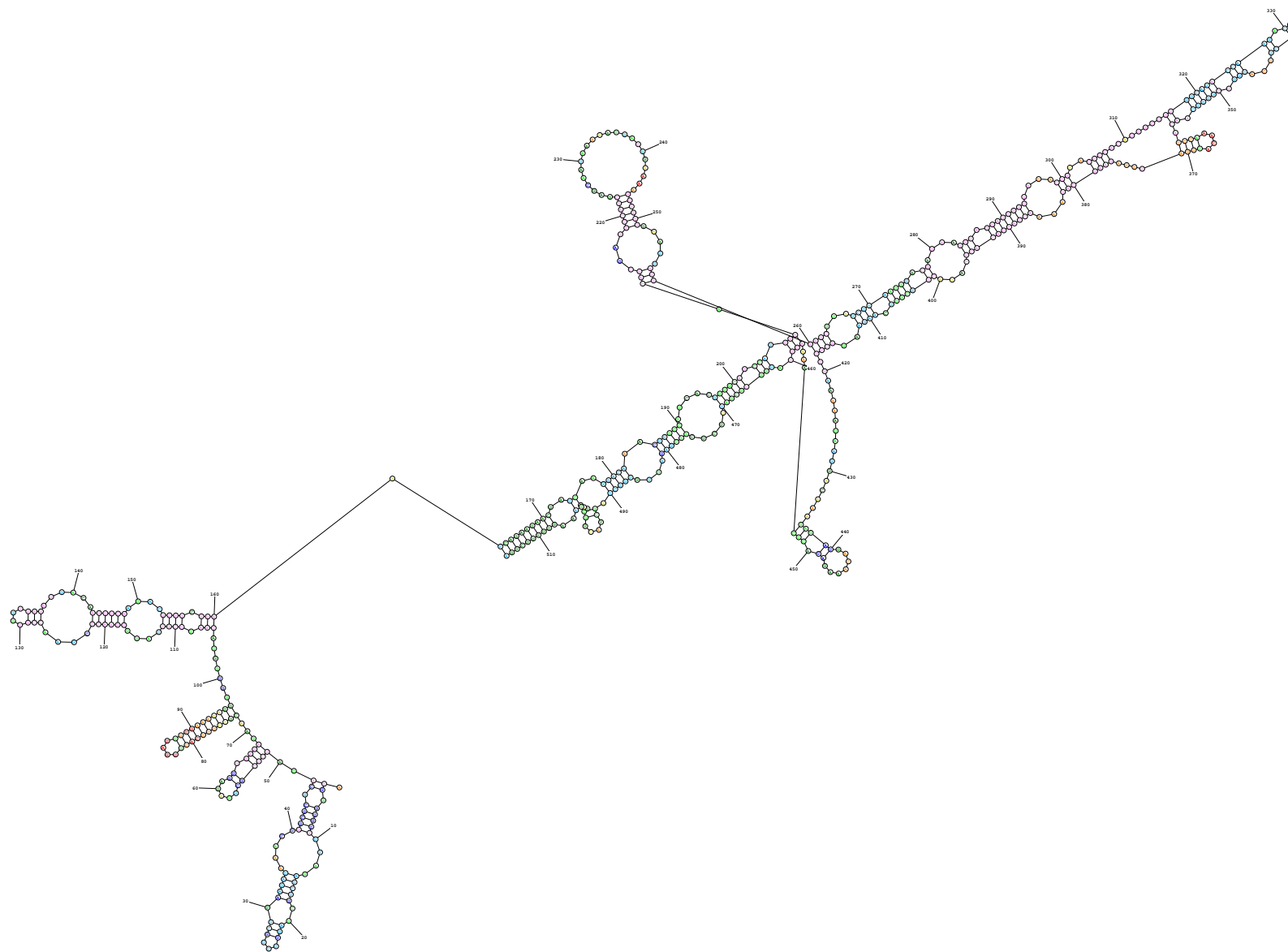
**80%  $>$  Probability  $\geq$  70%**

**70%  $>$  Probability  $\geq$  60%**

**60%  $>$  Probability  $\geq$  50%**

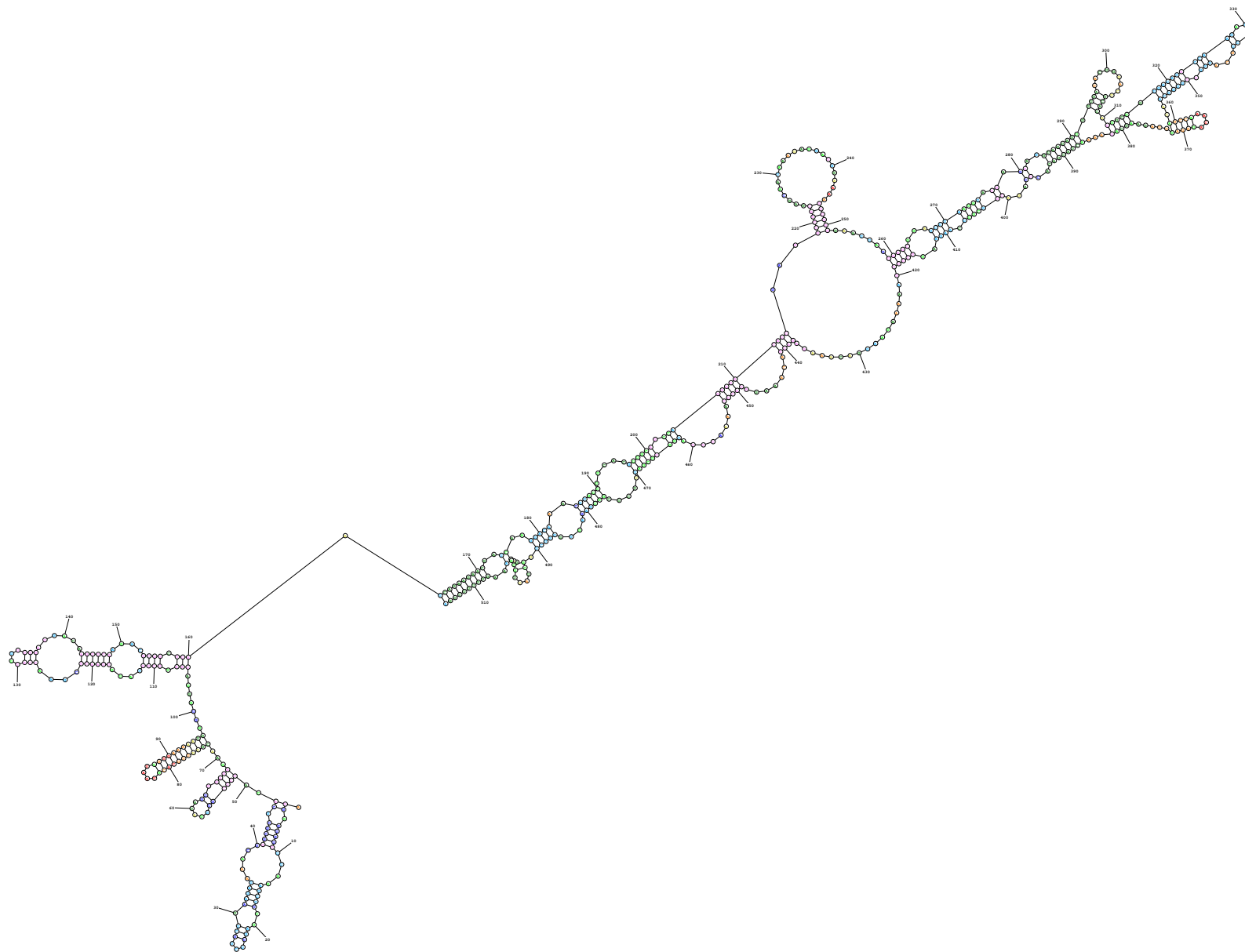
**50%  $>$  Probability**

**ENERGY = -122.8 Vank86-DNA**



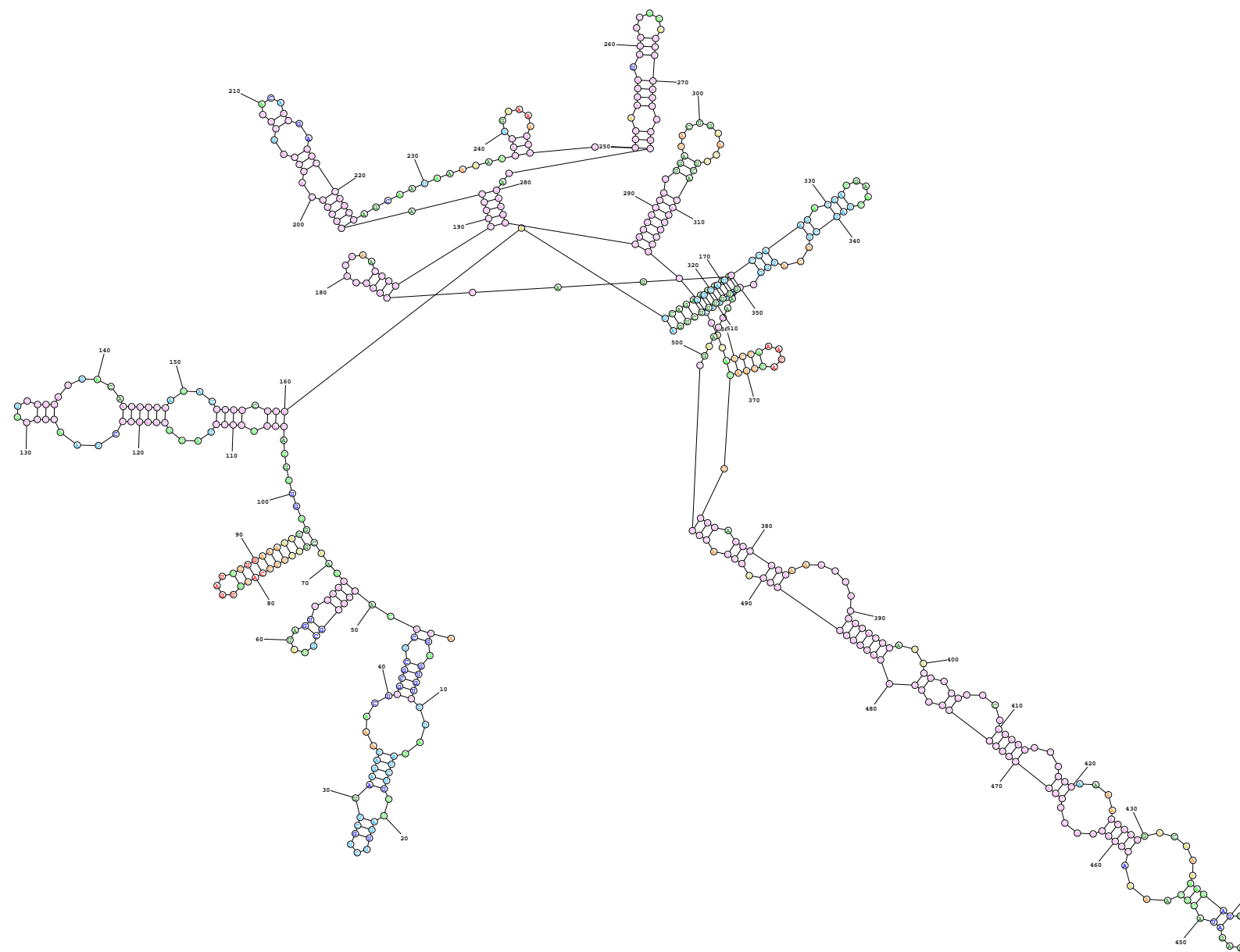
**Probability >= 99%**  
**99% > Probability >= 95%**  
**95% > Probability >= 90%**  
**90% > Probability >= 80%**  
**80% > Probability >= 70%**  
**70% > Probability >= 60%**  
**60% > Probability >= 50%**  
**50% > Probability**

**ENERGY = -122.6 Vank86-DNA**



**Probability >= 99%**  
**99% > Probability >= 95%**  
**95% > Probability >= 90%**  
**90% > Probability >= 80%**  
**80% > Probability >= 70%**  
**70% > Probability >= 60%**  
**60% > Probability >= 50%**  
**50% > Probability**

**ENERGY = -122.6 Vank86-DNA**



**Probability >= 99%**

**99% > Probability >= 95%**

**95% > Probability >= 90%**

**90% > Probability >= 80%**

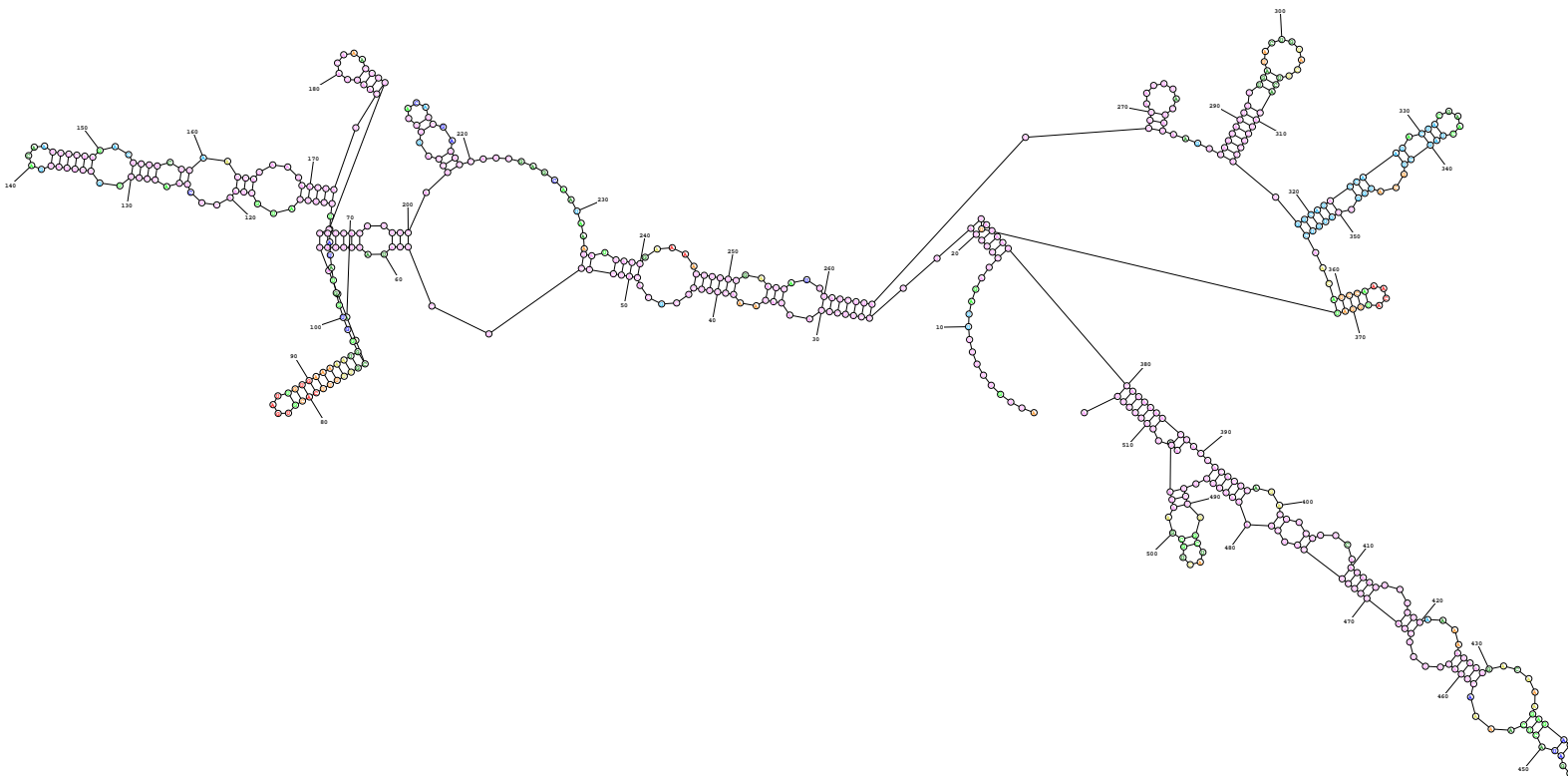
**80% > Probability >= 70%**

**70% > Probability >= 60%**

**60% > Probability >= 50%**

**50% > Probability**

**ENERGY = -122.3 Vank86-DNA**



**Probability**  $\geq$  **99%**

**99%**  $>$  **Probability**  $\geq$  **95%**

**95%**  $>$  **Probability**  $\geq$  **90%**

**90%**  $>$  **Probability**  $\geq$  **80%**

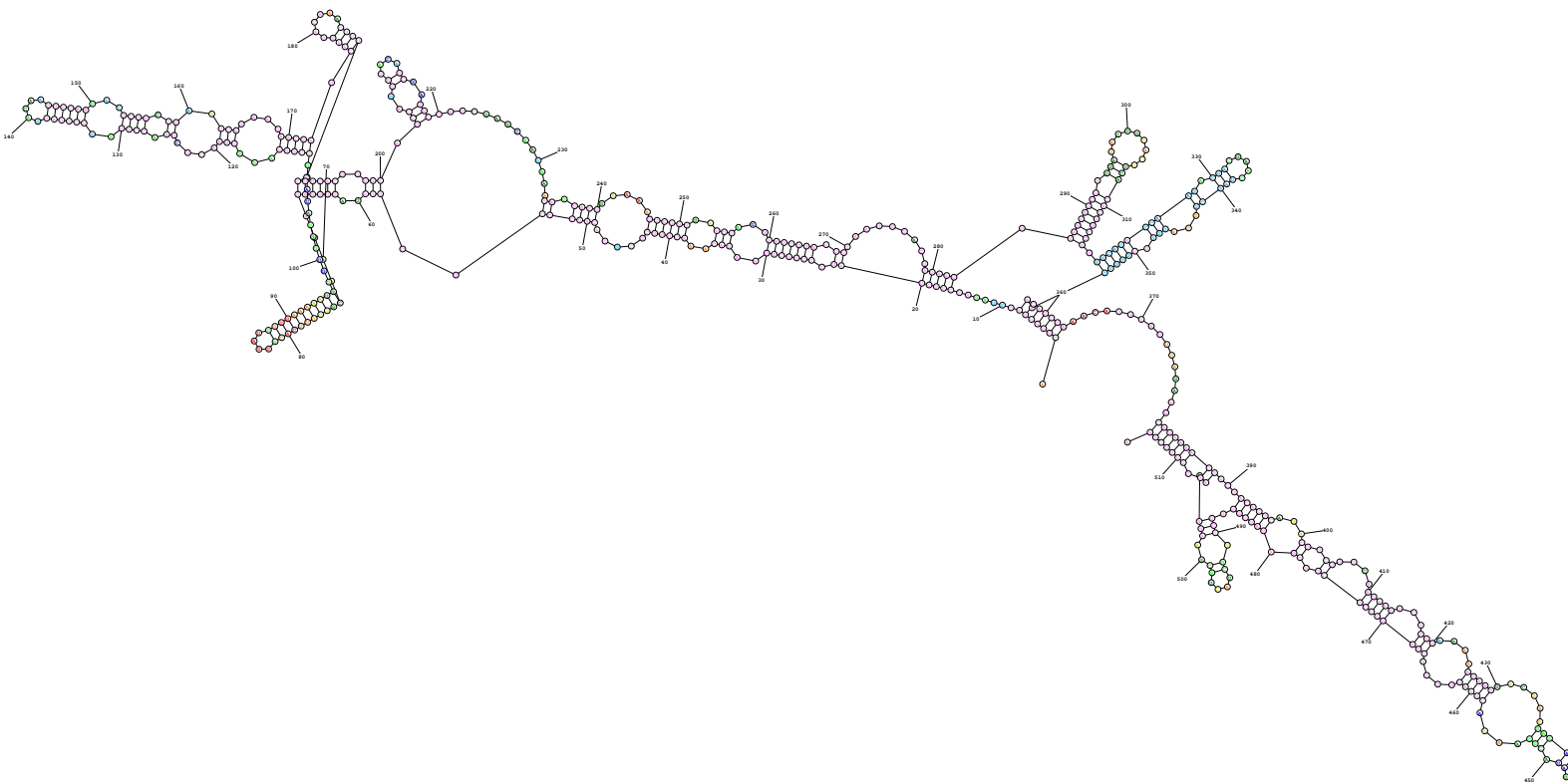
**80%**  $>$  **Probability**  $\geq$  **70%**

**70%**  $>$  **Probability**  $\geq$  **60%**

**60%**  $>$  **Probability**  $\geq$  **50%**

**50%**  $>$  **Probability**

**ENERGY = -122.2 Vank86-DNA**



**Probability >= 99%**

**99% > Probability >= 95%**

**95% > Probability >= 90%**

**90% > Probability >= 80%**

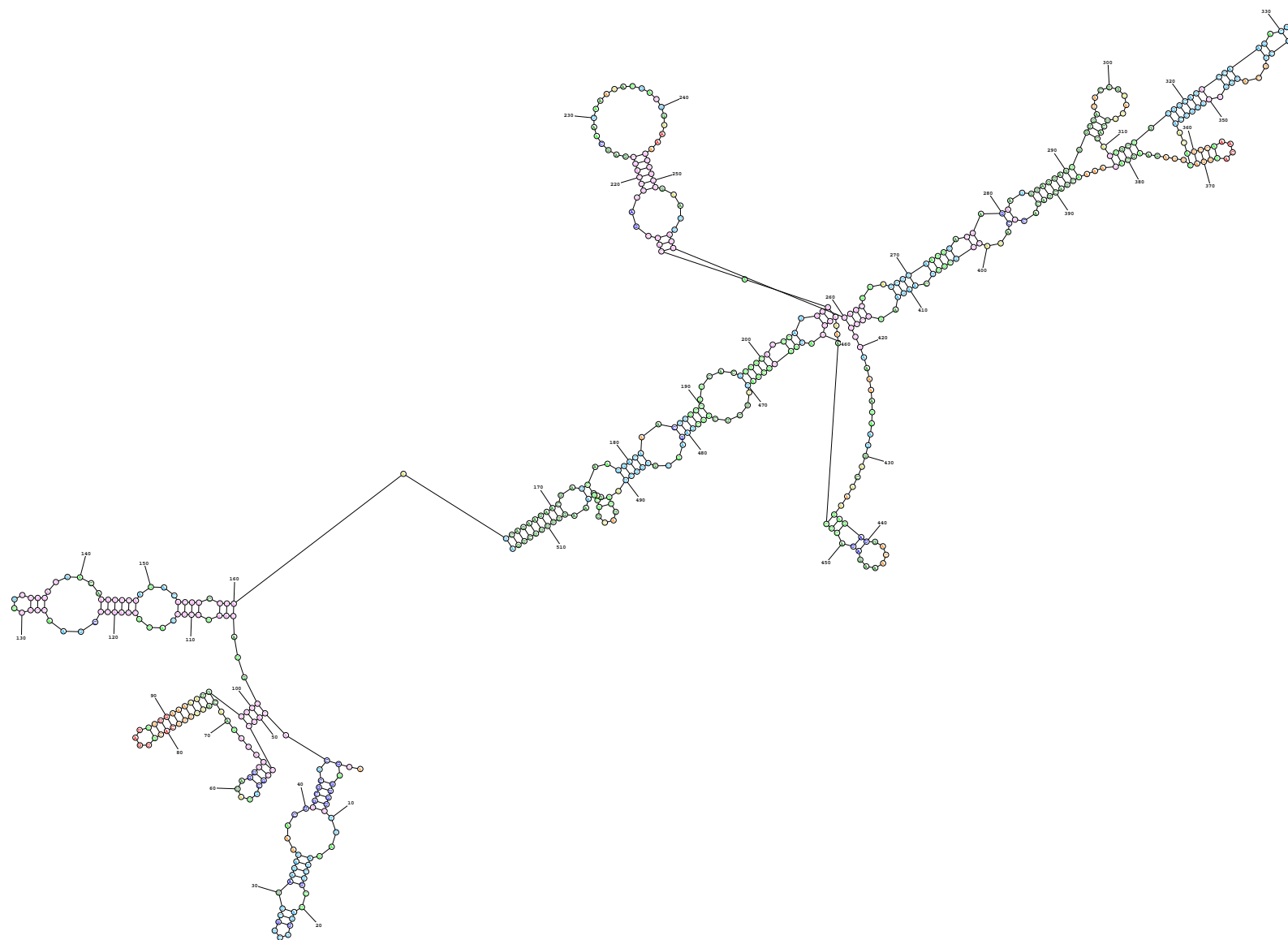
**80% > Probability >= 70%**

**70% > Probability >= 60%**

**60% > Probability >= 50%**

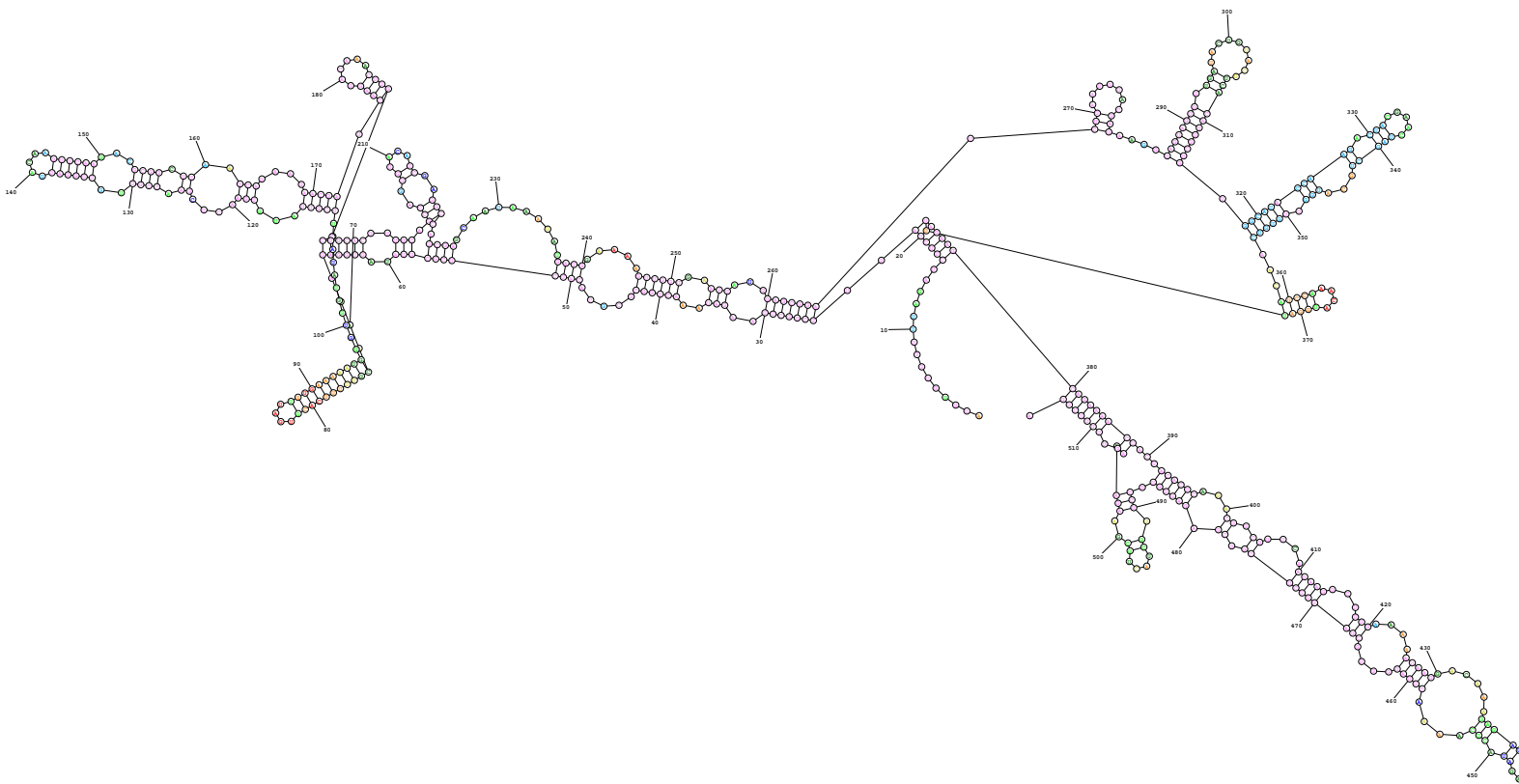
**50% > Probability**

**ENERGY = -122.2 Vank86-DNA**



**Probability**  $\geq$  **99%**  
**99%**  $>$  **Probability**  $\geq$  **95%**  
**95%**  $>$  **Probability**  $\geq$  **90%**  
**90%**  $>$  **Probability**  $\geq$  **80%**  
**80%**  $>$  **Probability**  $\geq$  **70%**  
**70%**  $>$  **Probability**  $\geq$  **60%**  
**60%**  $>$  **Probability**  $\geq$  **50%**  
**50%**  $>$  **Probability**

**ENERGY = -122.2 Vank86-DNA**



**Probability >= 99%**

**99% > Probability >= 95%**

**95% > Probability >= 90%**

**90% > Probability >= 80%**

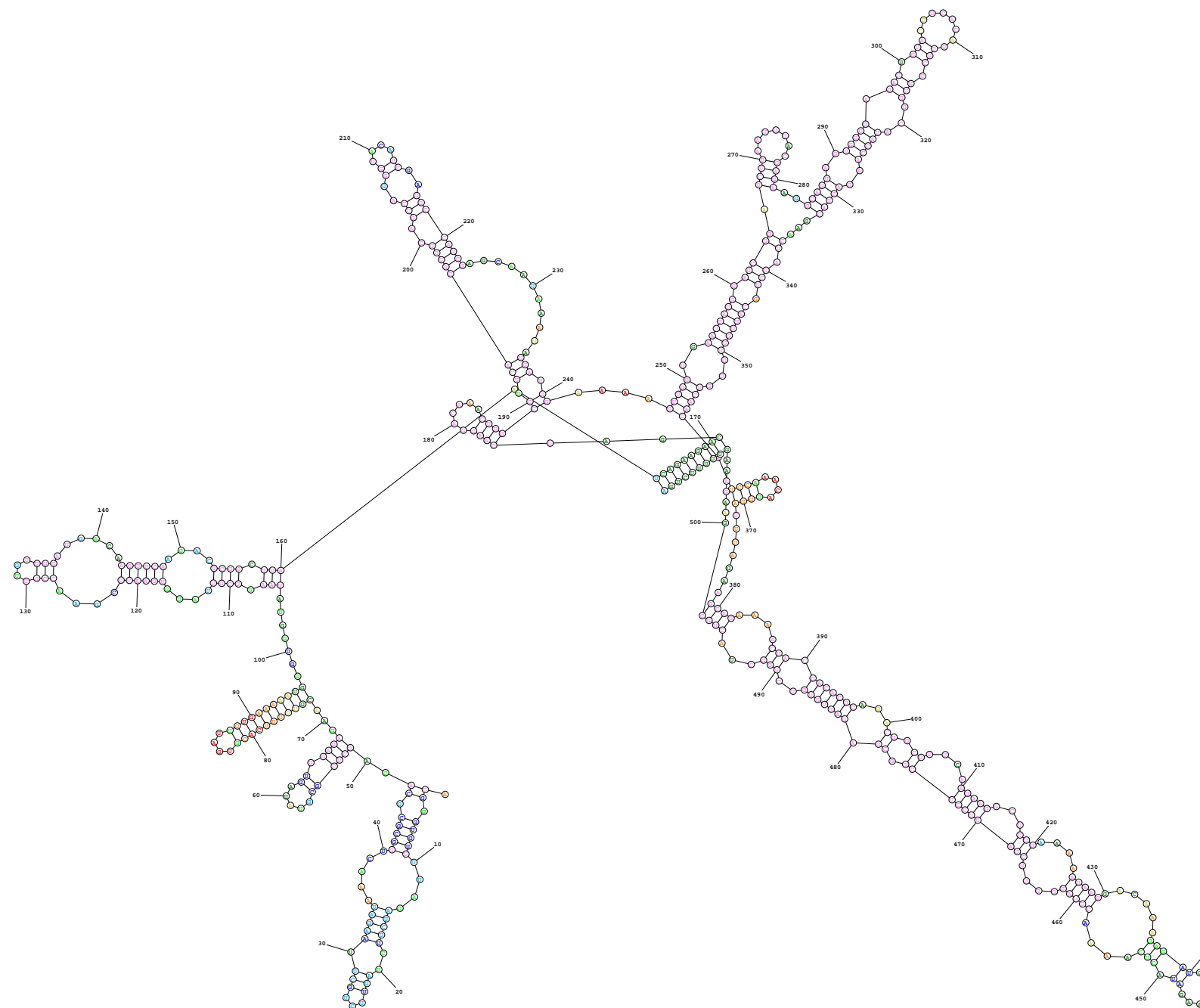
**80% > Probability >= 70%**

**70% > Probability >= 60%**

**60% > Probability >= 50%**

**50% > Probability**

**ENERGY = -122.2 Vank86-DNA**



**Probability  $\geq$  99%**

**99% > Probability  $\geq$  95%**

**95% > Probability  $\geq$  90%**

**90% > Probability  $\geq$  80%**

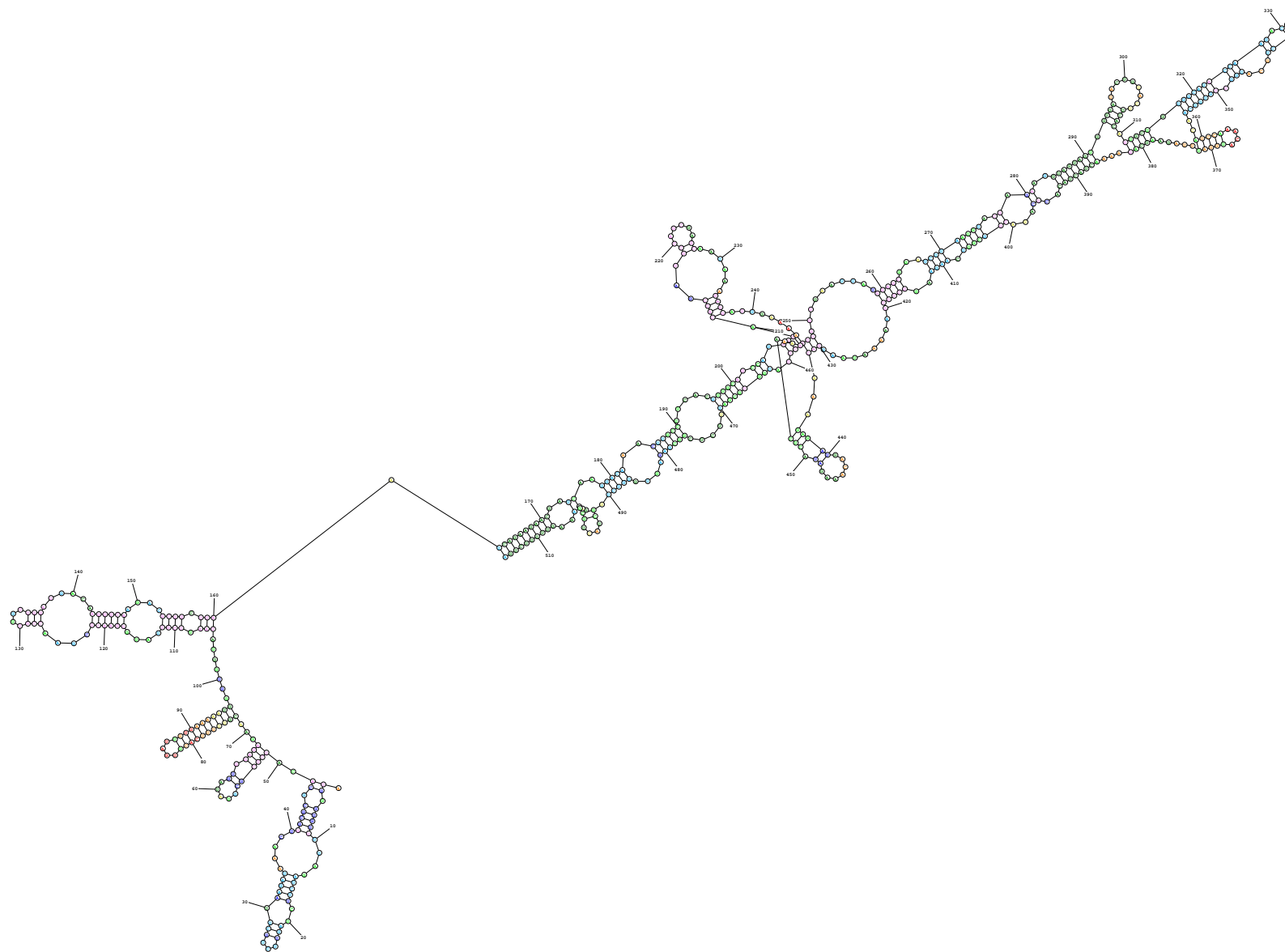
**80% > Probability  $\geq$  70%**

**70% > Probability  $\geq$  60%**

**60% > Probability  $\geq$  50%**

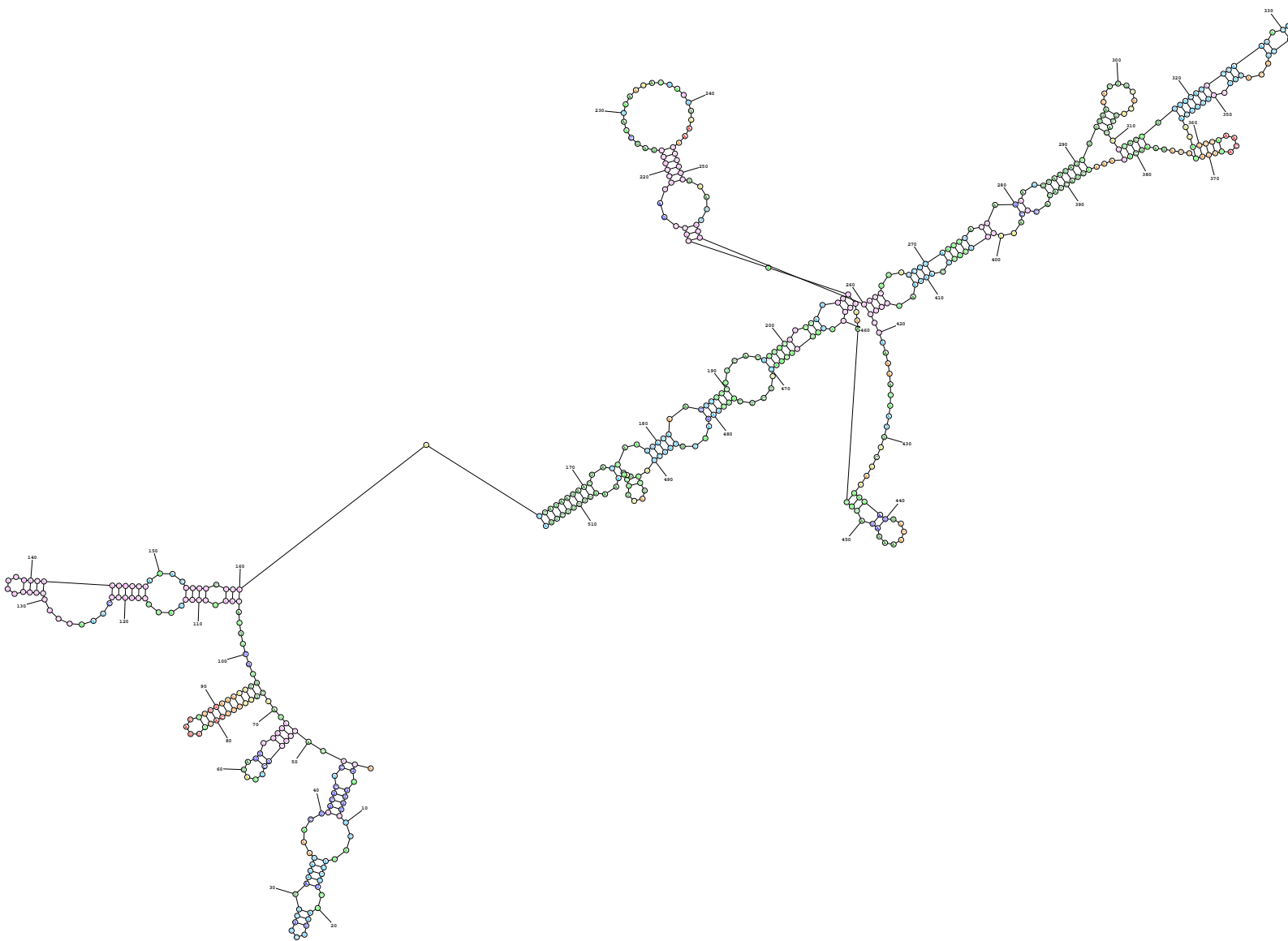
**50% > Probability**

**ENERGY = -122.1 Vank86-DNA**



**Probability >= 99%**  
**99% > Probability >= 95%**  
**95% > Probability >= 90%**  
**90% > Probability >= 80%**  
**80% > Probability >= 70%**  
**70% > Probability >= 60%**  
**60% > Probability >= 50%**  
**50% > Probability**

**ENERGY = -122.1 Vank86-DNA**



**Probability**  $\geq$  **99%**

**99%**  $>$  **Probability**  $\geq$  **95%**

**95%**  $>$  **Probability**  $\geq$  **90%**

**90%**  $>$  **Probability**  $\geq$  **80%**

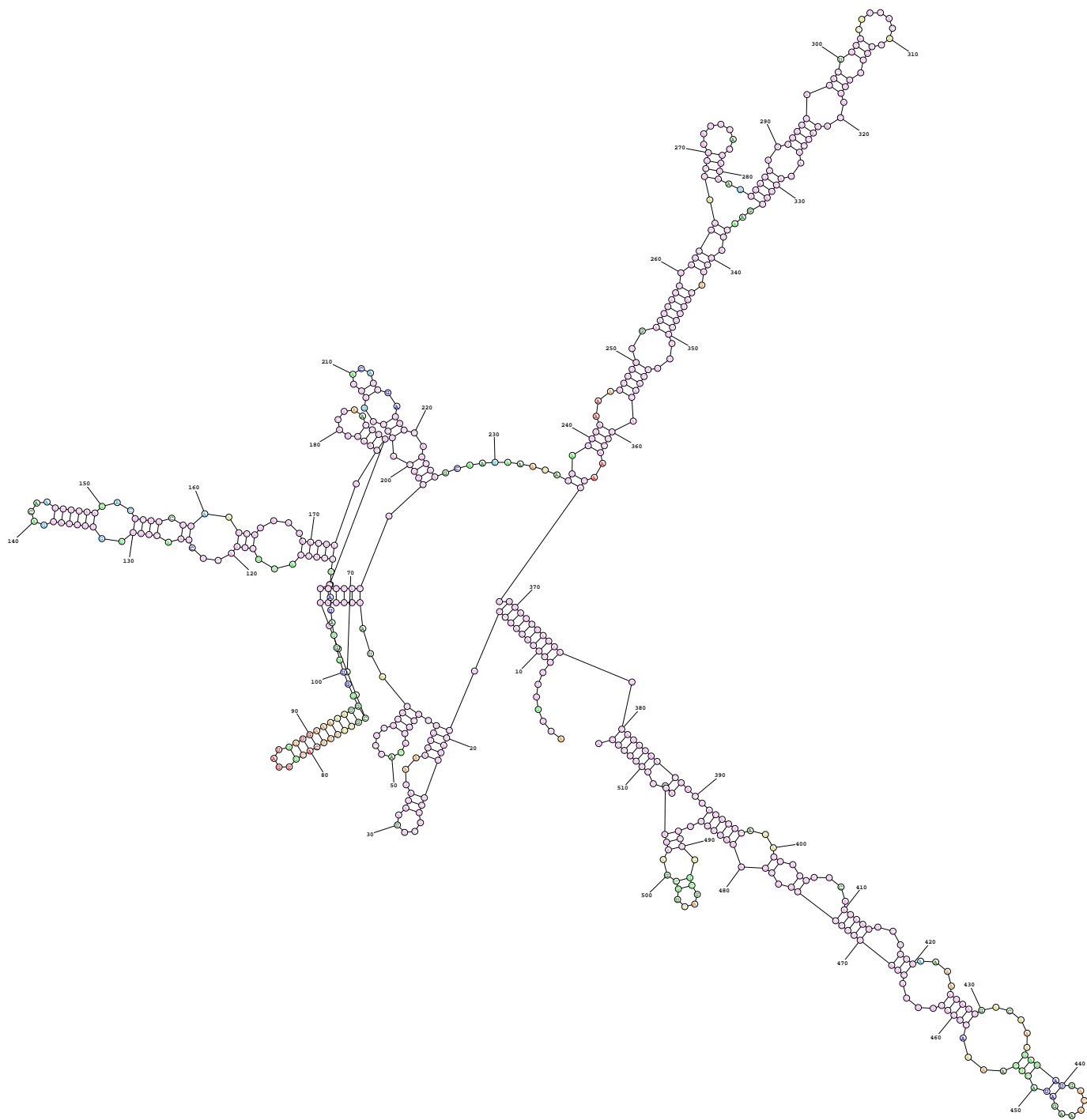
**80%**  $>$  **Probability**  $\geq$  **70%**

**70%**  $>$  **Probability**  $\geq$  **60%**

**60%**  $>$  **Probability**  $\geq$  **50%**

**50%**  $>$  **Probability**

**ENERGY = -122.1 Vank86-DNA**



**Probability >= 99%**

**99% > Probability >= 95%**

**95% > Probability >= 90%**

**90% > Probability >= 80%**

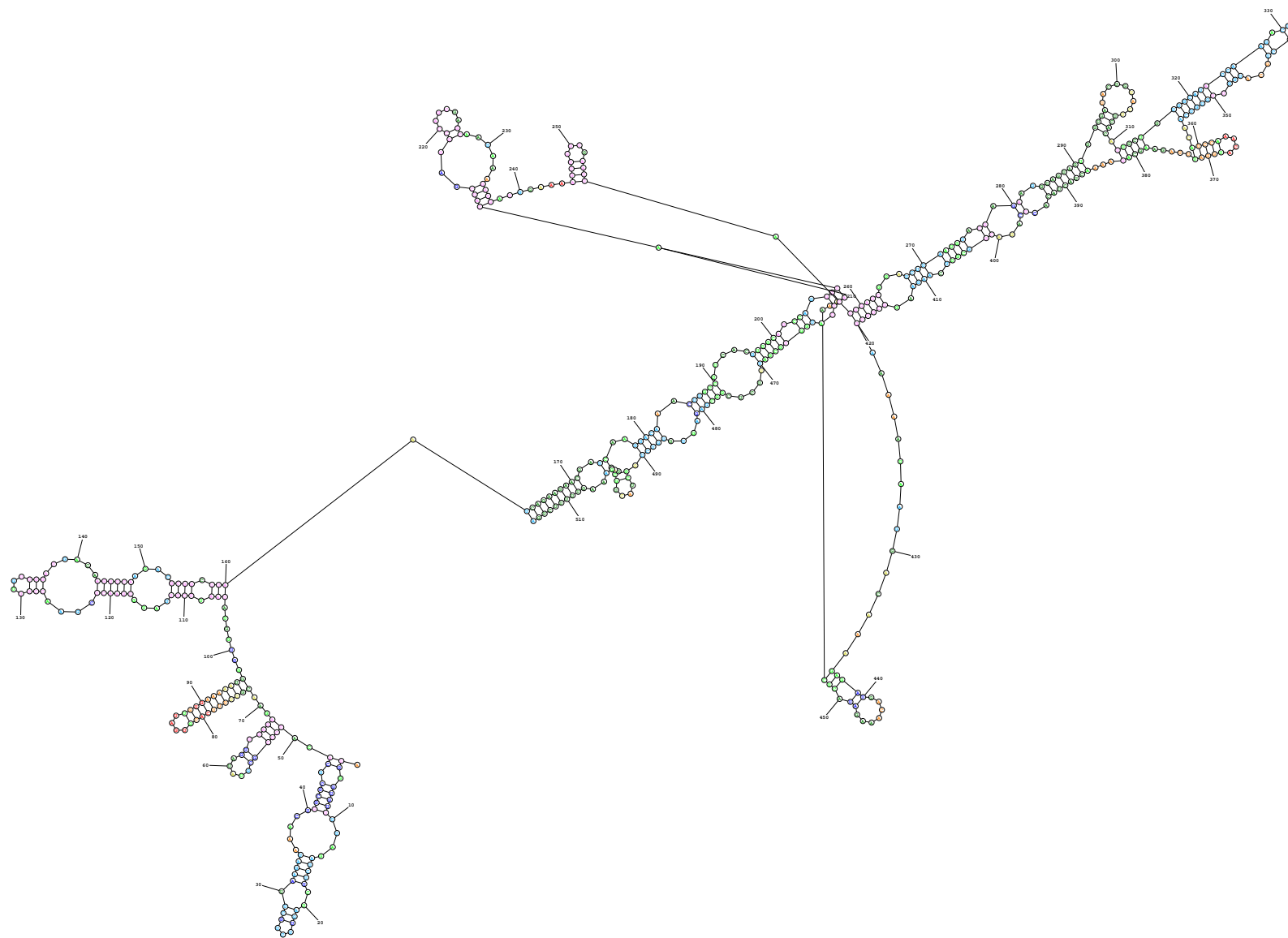
**80% > Probability >= 70%**

**70% > Probability >= 60%**

**60% > Probability >= 50%**

**50% > Probability**

**ENERGY = -122.0 Vank86-DNA**



**Probability >= 99%**

**99% > Probability >= 95%**

**95% > Probability >= 90%**

**90% > Probability >= 80%**

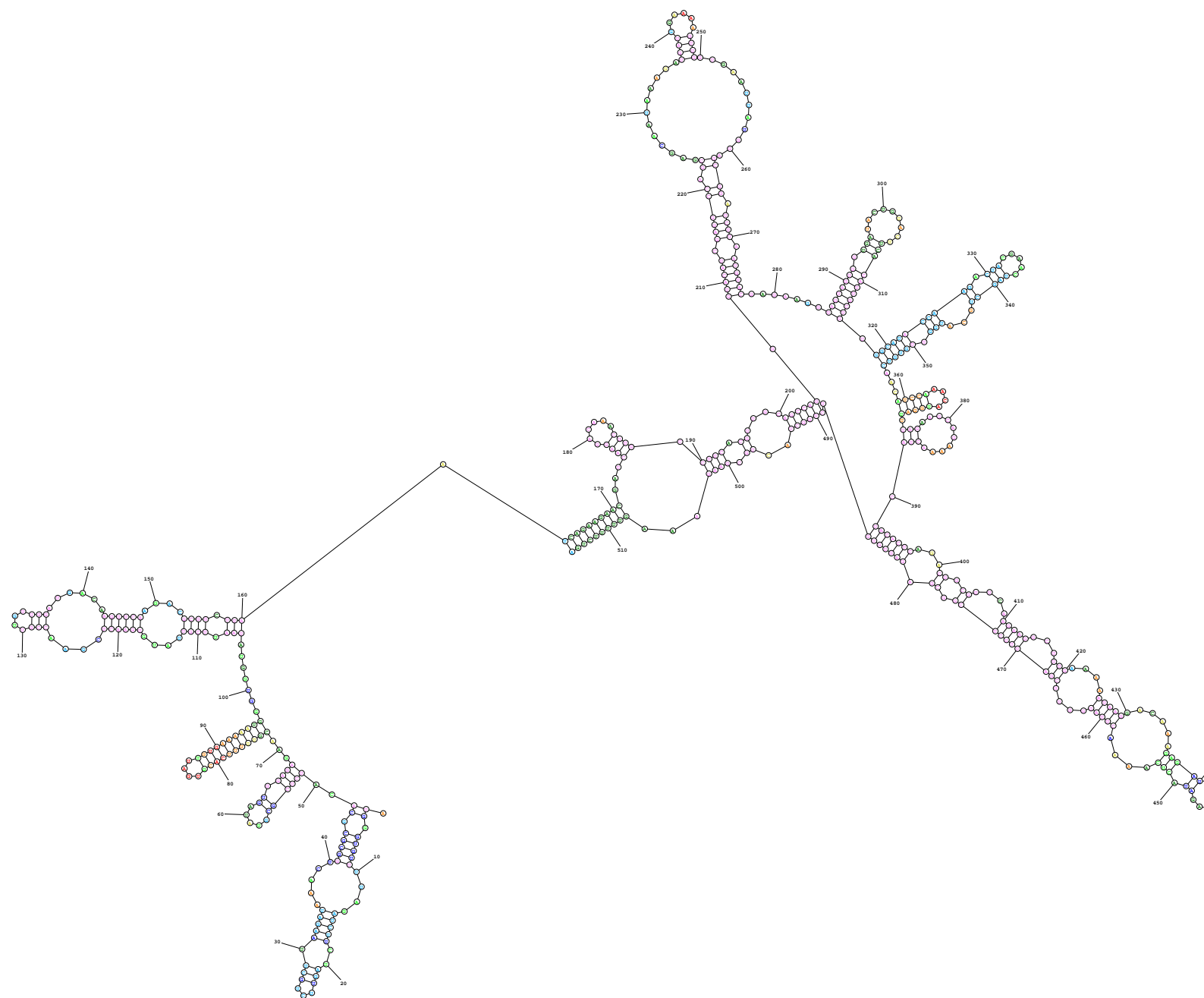
**80% > Probability >= 70%**

**70% > Probability >= 60%**

**60% > Probability >= 50%**

**50% > Probability**

**ENERGY = -121.9 Vank86-DNA**



**Probability  $\geq$  99%**

**99%  $>$  Probability  $\geq$  95%**

**95%  $>$  Probability  $\geq$  90%**

**90%  $>$  Probability  $\geq$  80%**

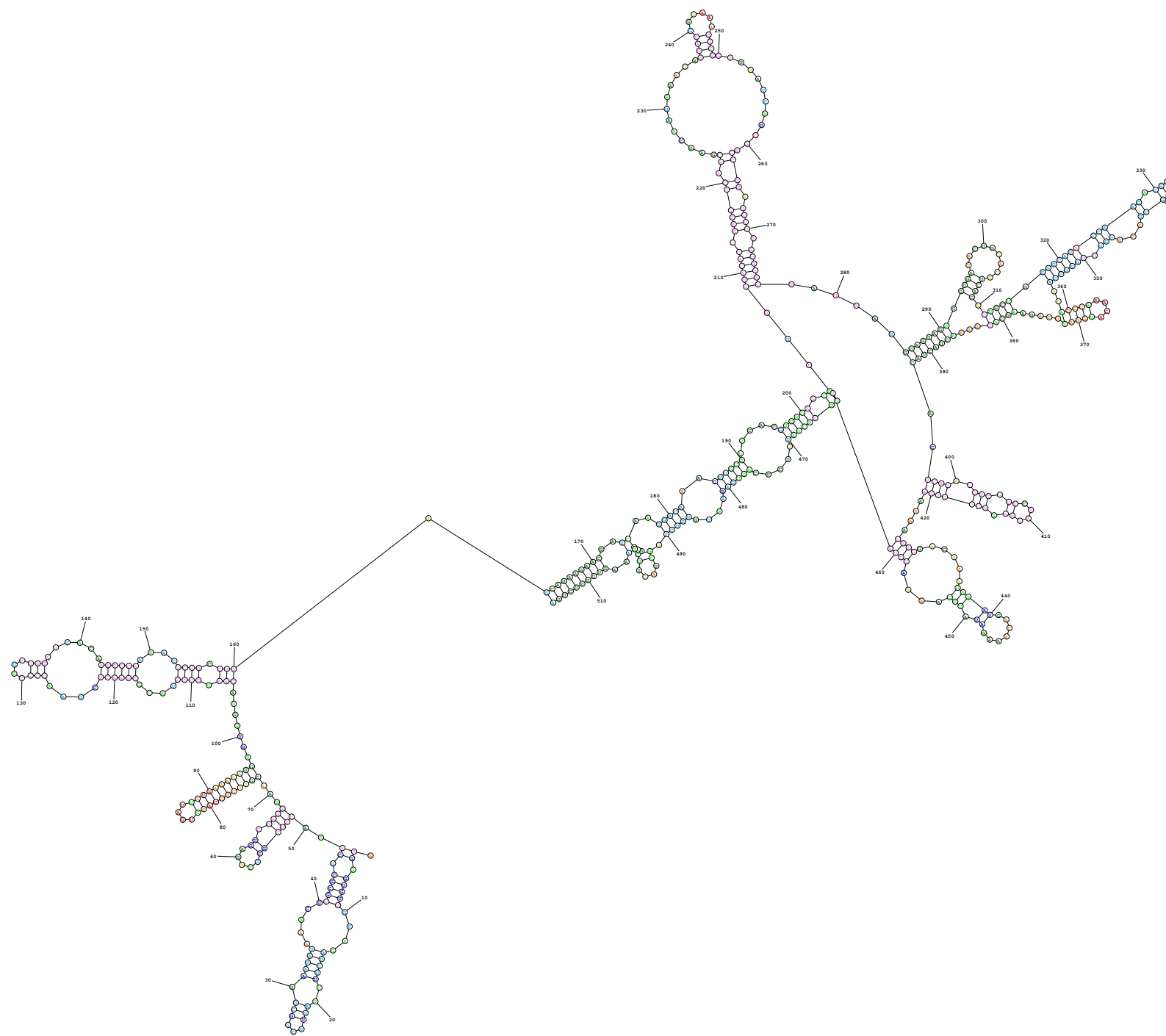
**80%  $>$  Probability  $\geq$  70%**

**70%  $>$  Probability  $\geq$  60%**

**60%  $>$  Probability  $\geq$  50%**

**50%  $>$  Probability**

**ENERGY = -121.9 Vank86-DNA**



**Probability  $\geq$  99%**

**99% > Probability  $\geq$  95%**

**95% > Probability  $\geq$  90%**

**90% > Probability  $\geq$  80%**

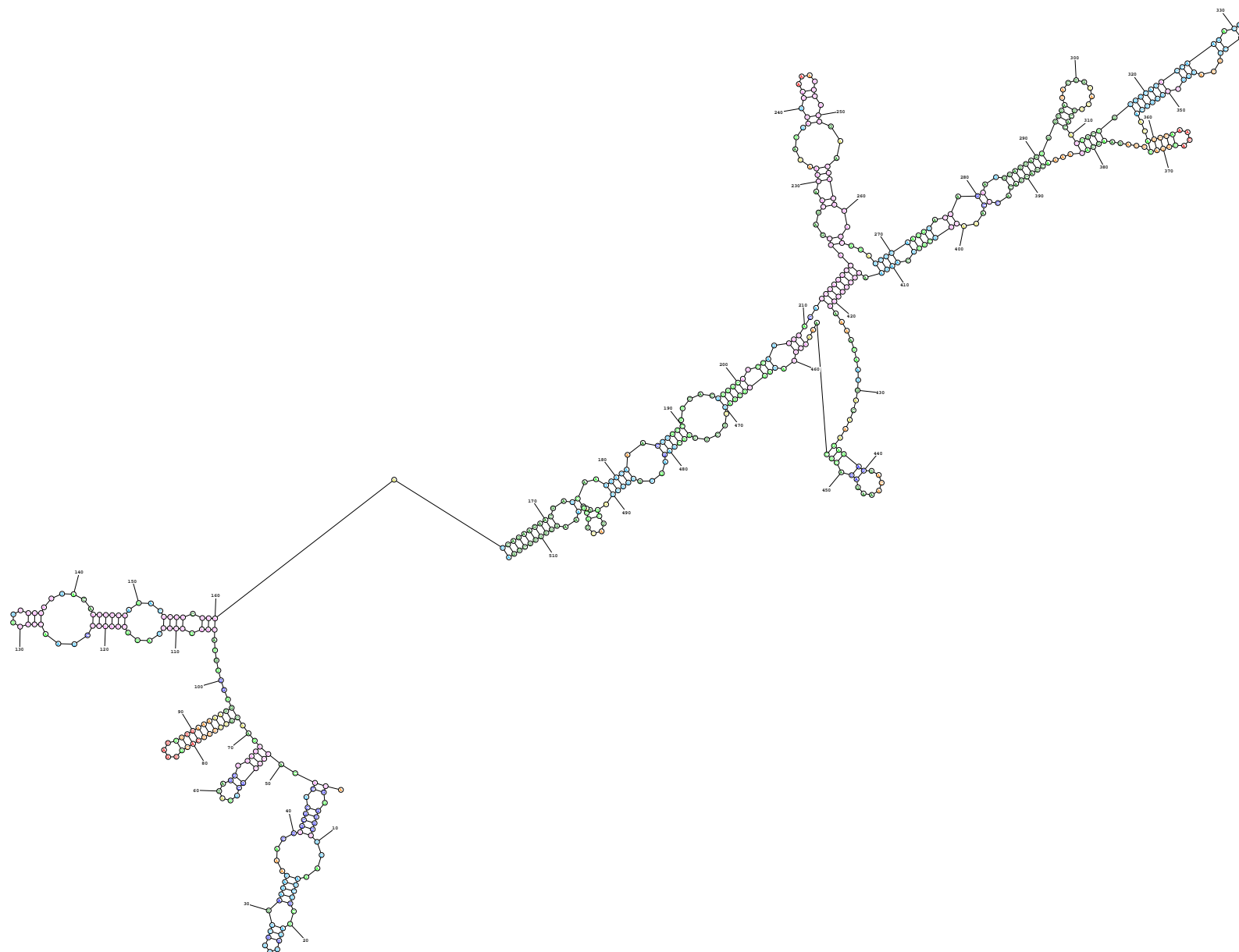
**80% > Probability  $\geq$  70%**

**70% > Probability  $\geq$  60%**

**60% > Probability  $\geq$  50%**

**50% > Probability**

**ENERGY = -121.9 Vank86-DNA**



**Probability >= 99%**  
**99% > Probability >= 95%**  
**95% > Probability >= 90%**  
**90% > Probability >= 80%**  
**80% > Probability >= 70%**  
**70% > Probability >= 60%**  
**60% > Probability >= 50%**  
**50% > Probability**

**ENERGY = -121.8 Vank86-DNA**