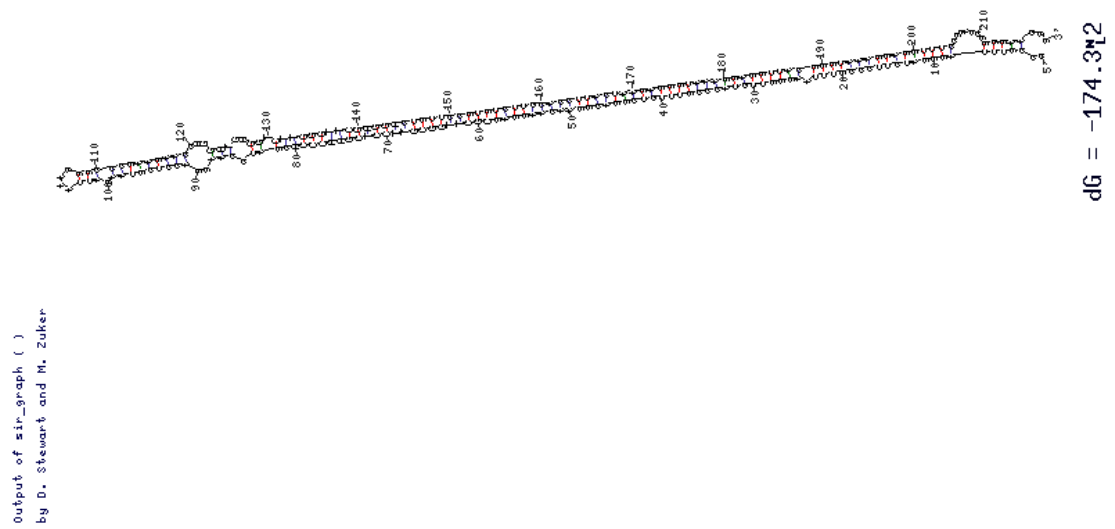


## Secondary structure prediction of candidate pre-microRNAs based on Table S10

### Pre-miRNA 1

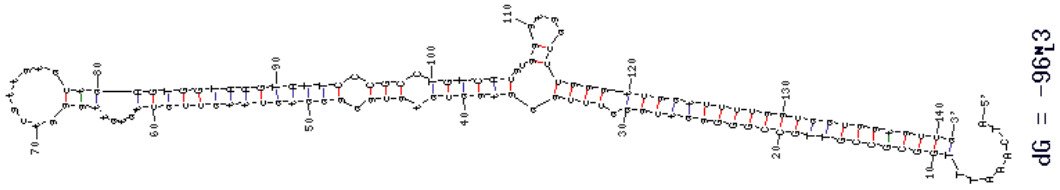


### Pre-miRNA 2



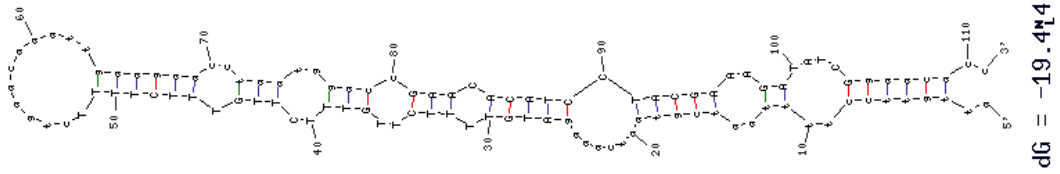
### Pre-miRNA 3

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



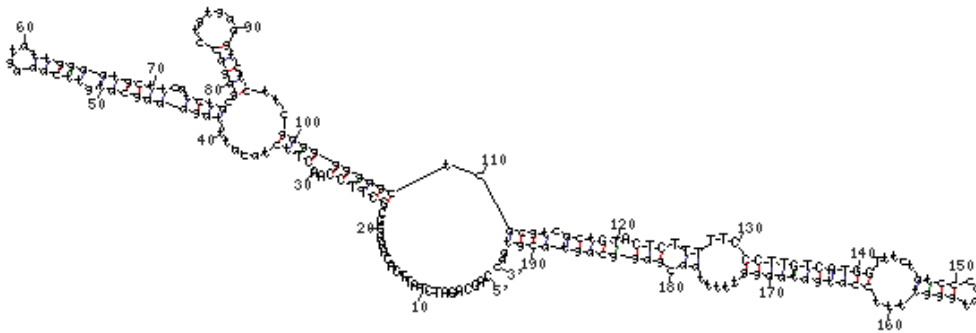
### Pre-miRNA 4

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



## Pre-miRNA 5

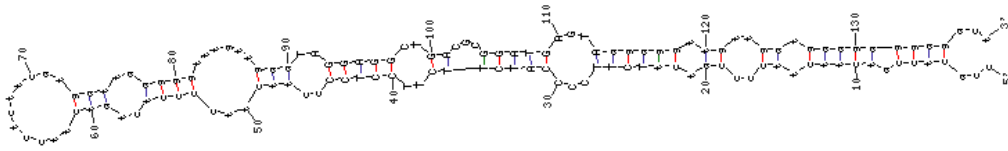
Output of `sir_graph ( )`  
by D. Stewart and M. Zuker



$$\Delta G = -57.6 \text{ kcal/mol}$$

## Pre-miRNA 6

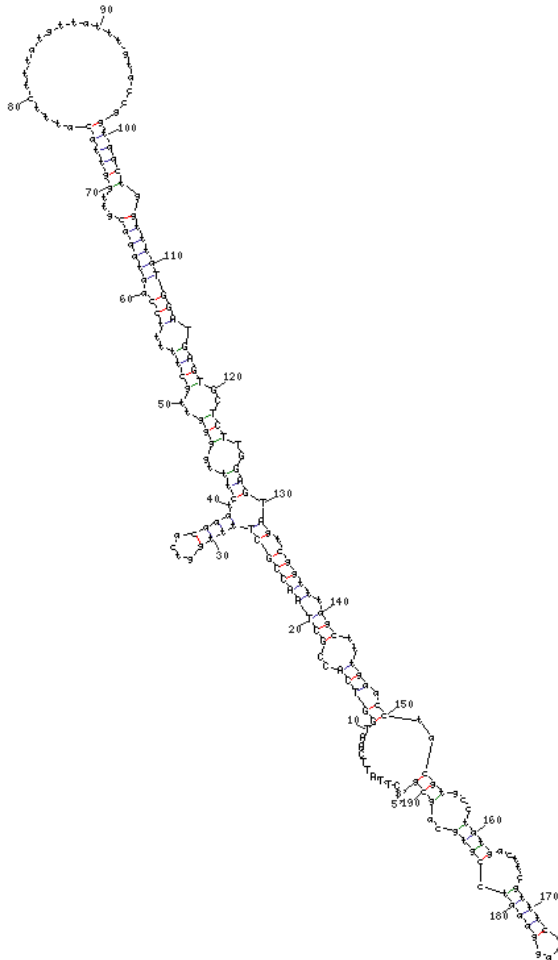
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



dG = -42.476

## Pre-miRNA 7

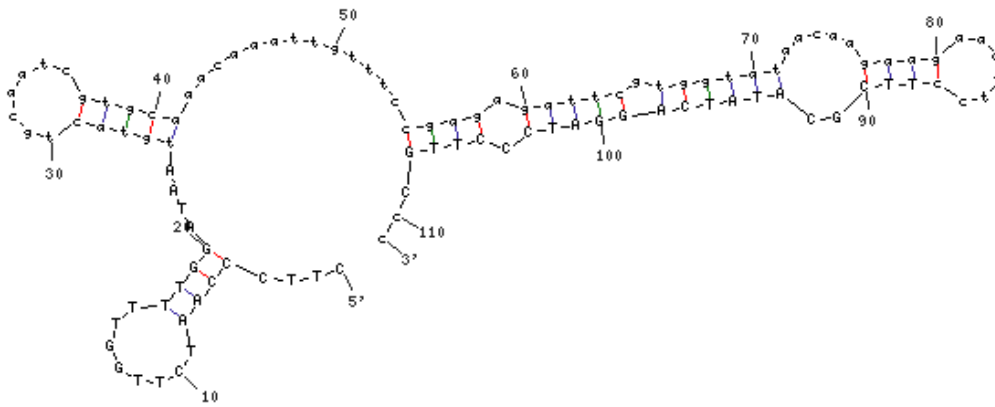
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



dG = -41.177

# Pre-miRNA 8

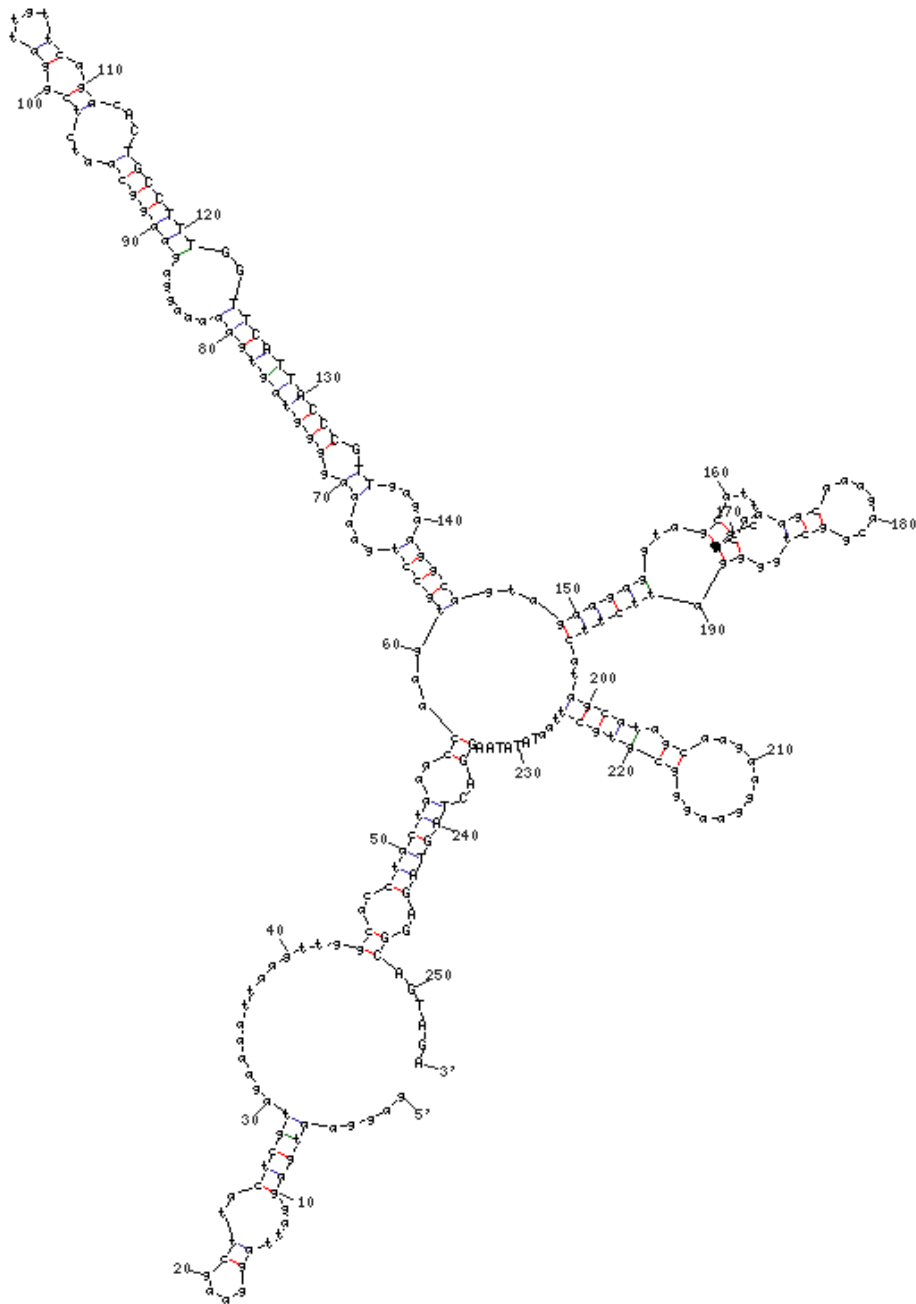
Output of `sir_graph ( )`  
by D. Stewart and M. Zuker



$$\Delta G = -22.378$$

# Pre-miRNA 9

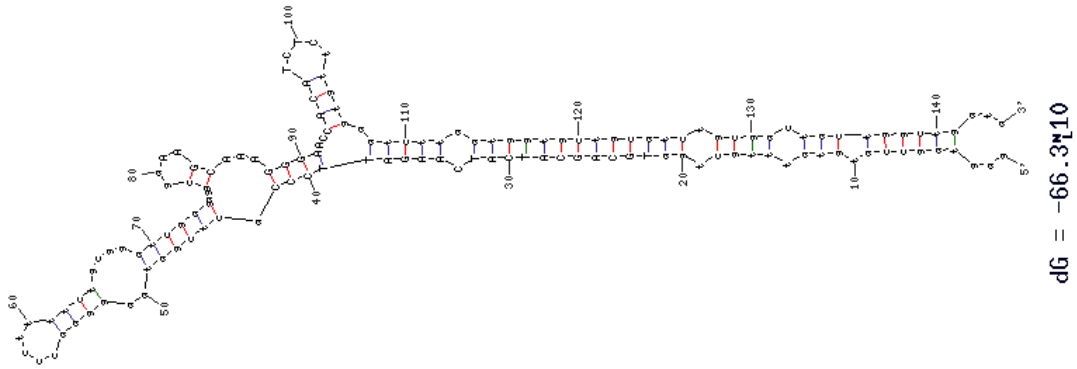
Output of `sir_graph ( )`  
by D. Stewart and M. Zuker



$$\Delta G = -70.219$$

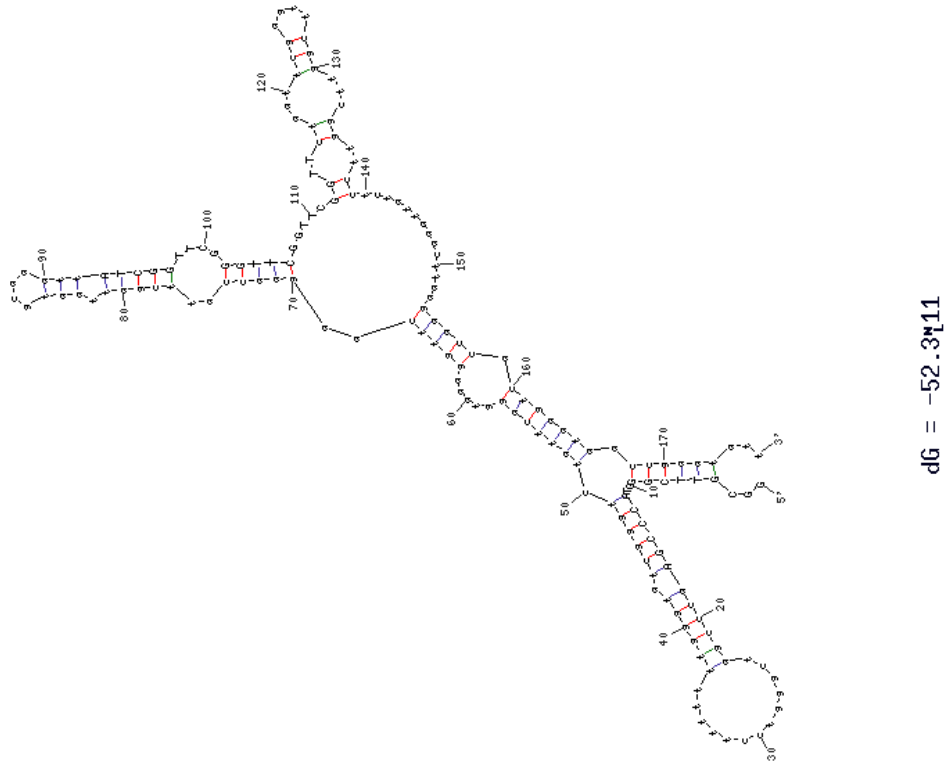
## Pre-miRNA 10

Output of mir\_graph ( )  
by D. Stewart and M. Zuker

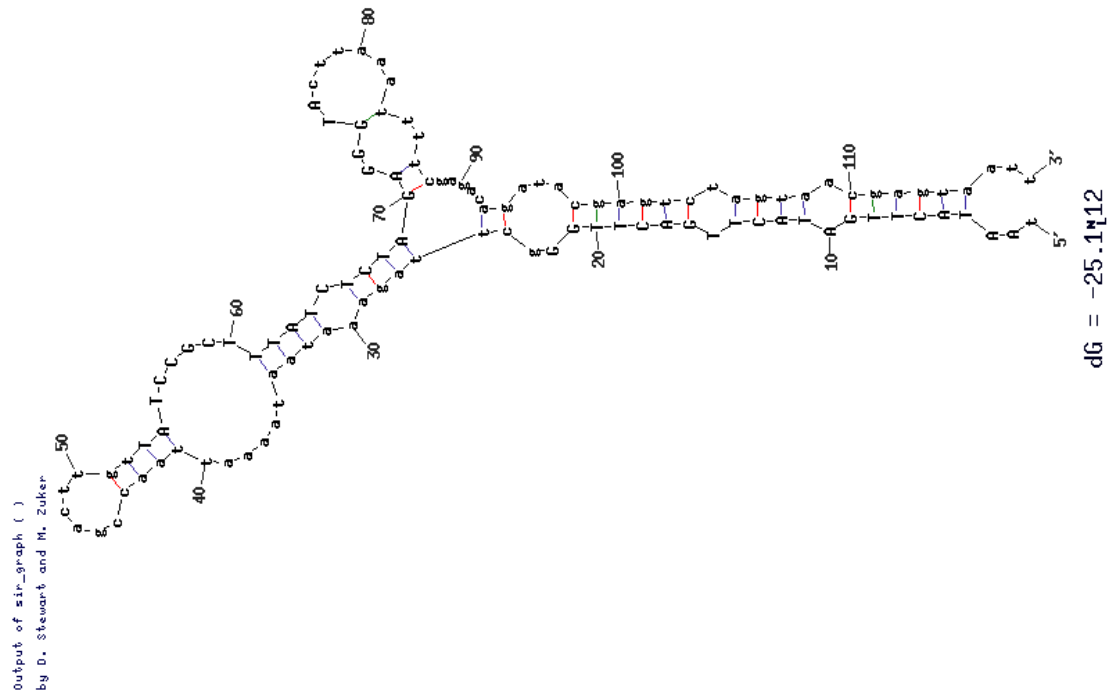


## Pre-miRNA 11

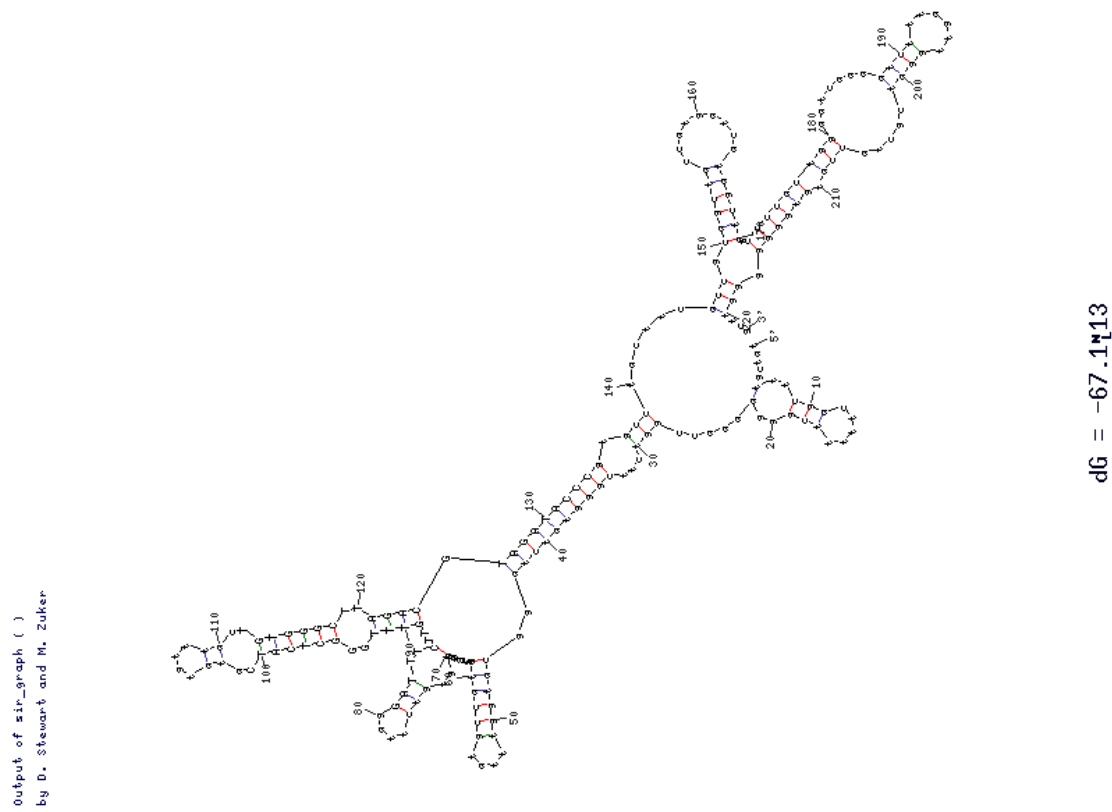
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



## Pre-miRNA 12



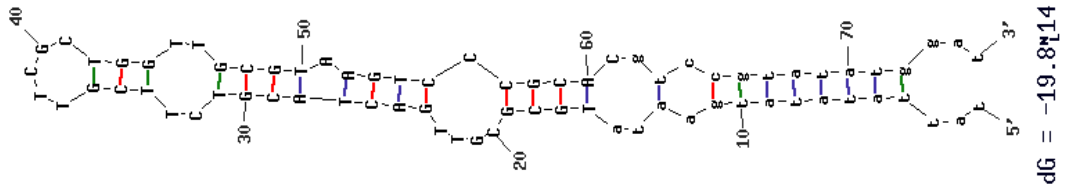
## Pre-miRNA 13





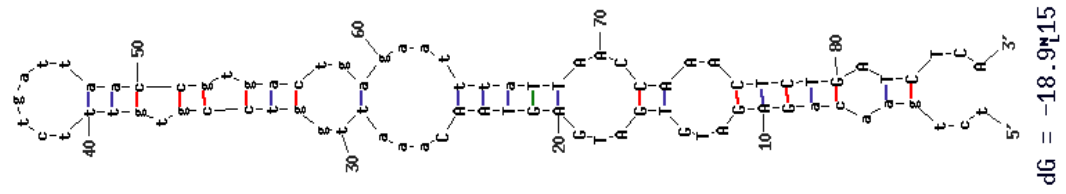
## Pre-miRNA 14

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



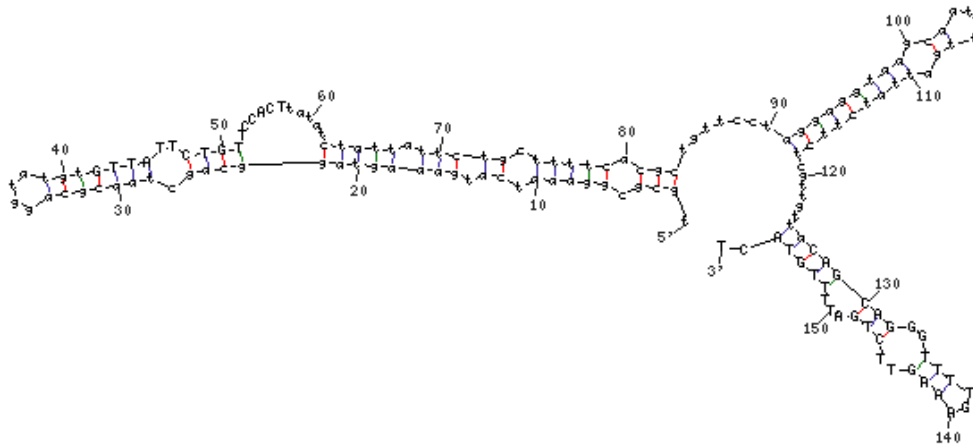
## Pre-miRNA 15

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



# Pre-miRNA 16

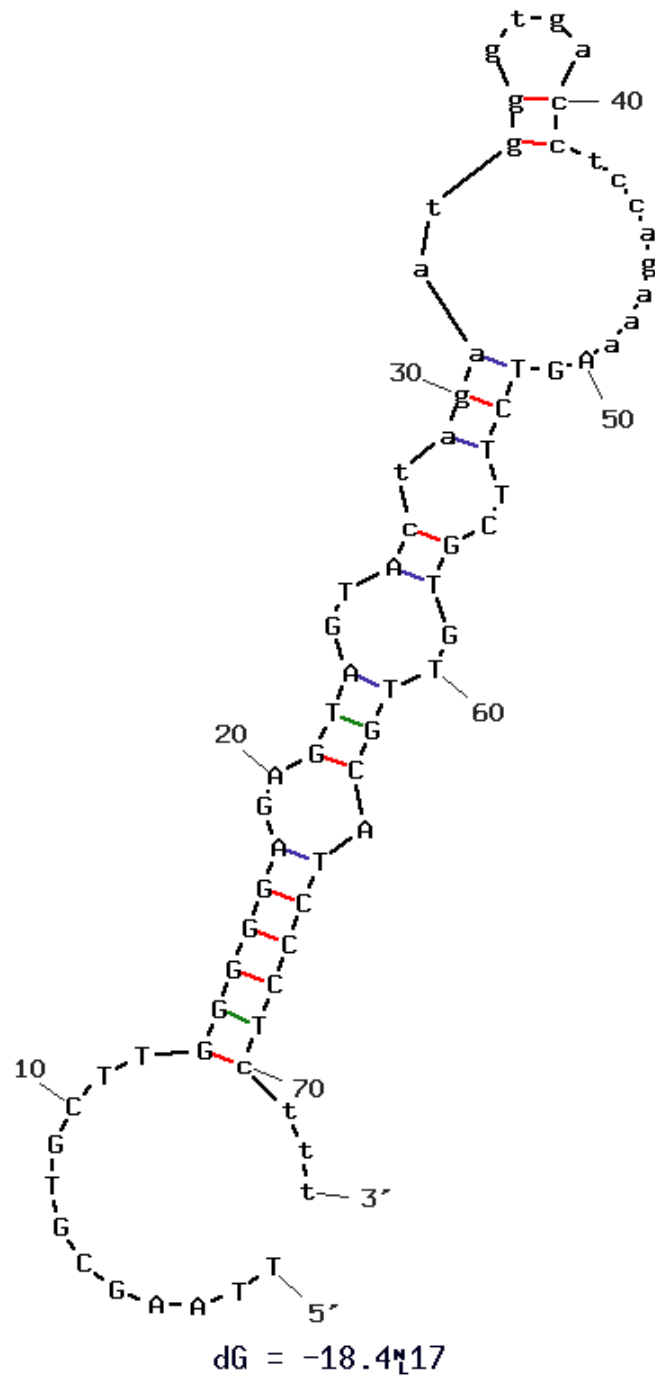
Output of `sir_graph ( )`  
by D. Stewart and M. Zuker



$$dG = -34.3416$$

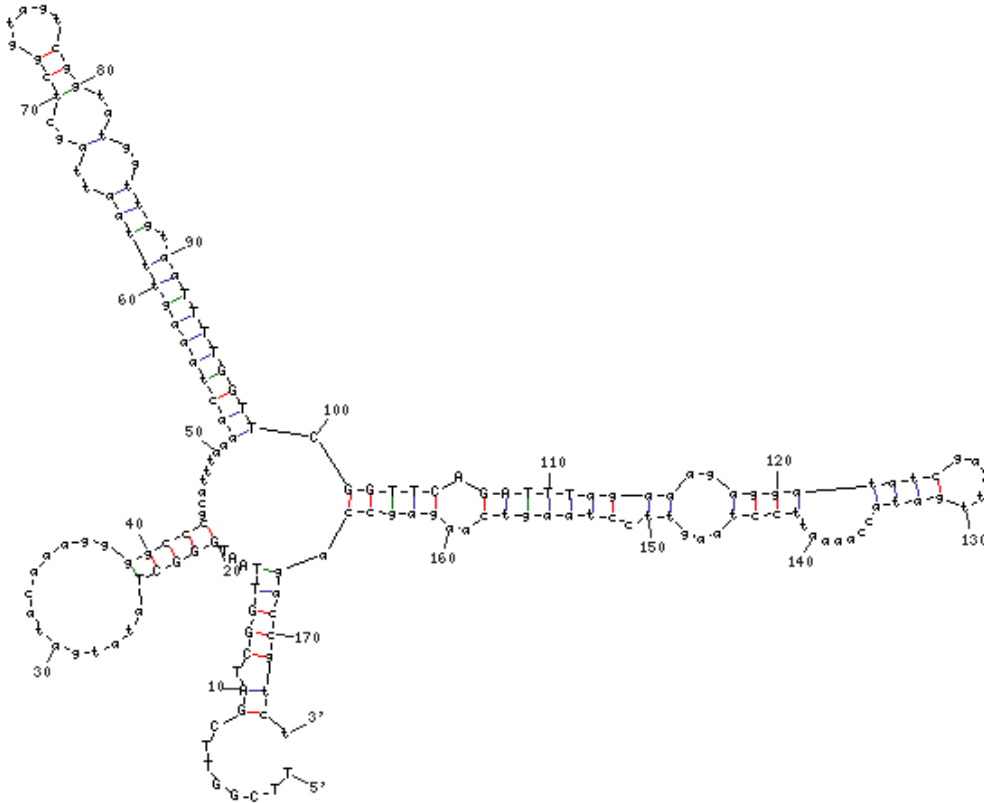
# Pre-miRNA 17

Output of `sir_graph ( )`  
by D. Stewart and M. Zuker



## Pre-miRNA 18

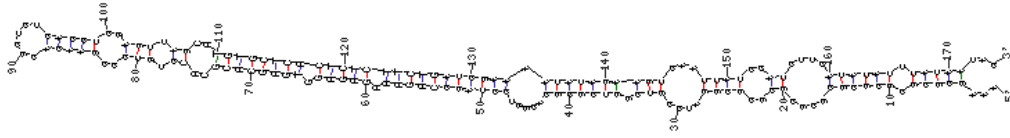
Output of `mir_graph ( )`  
 by D. Stewart and M. Zuker



$$\Delta G = -40.4118$$

# Pre-miRNA 19

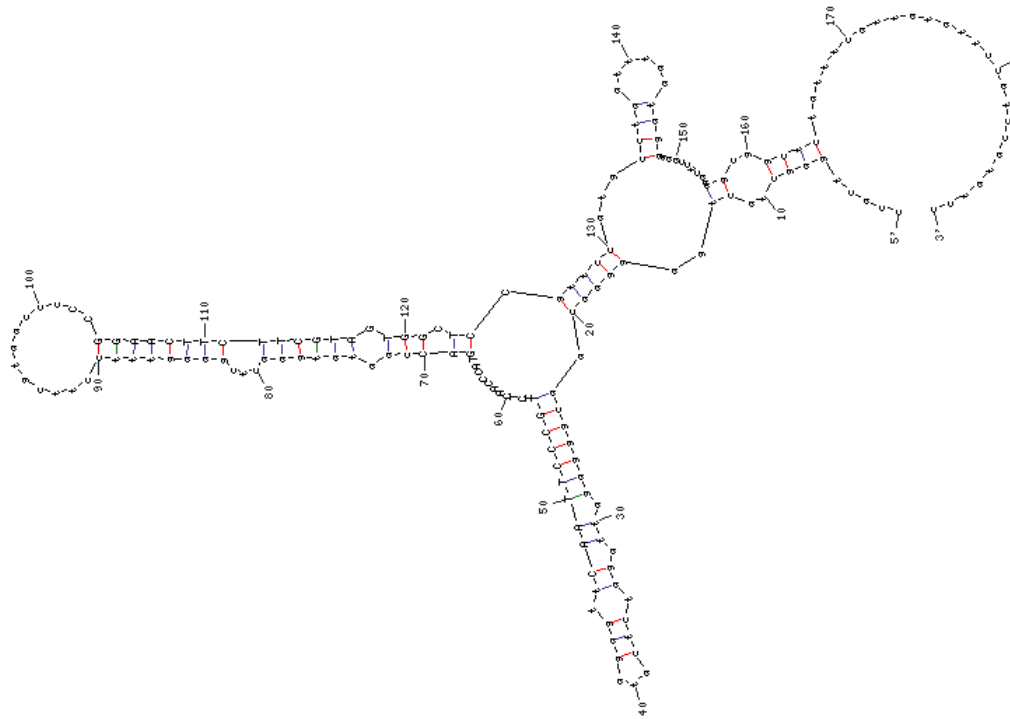
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



dG = -80.3719

# Pre-miRNA 20

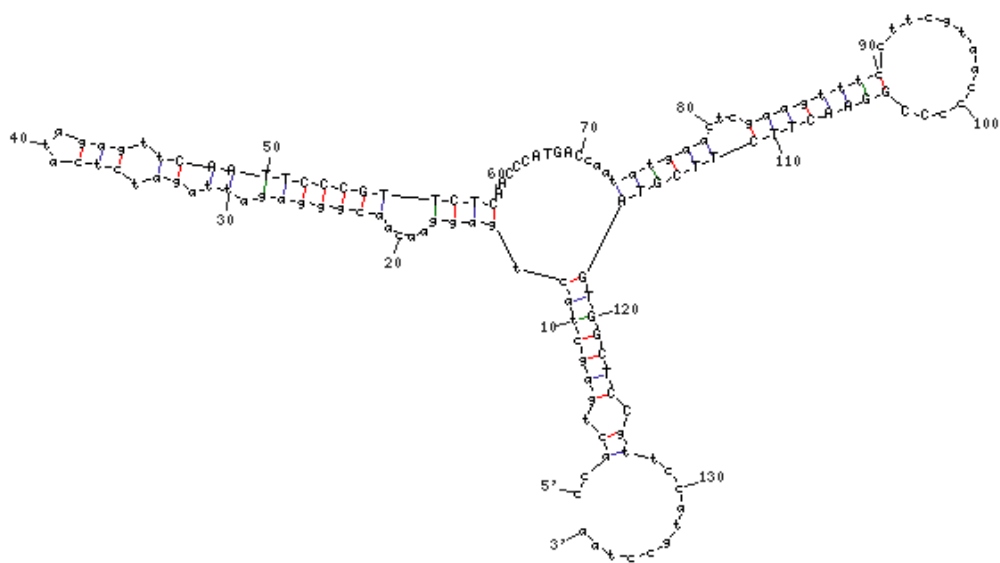
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



dG = -44.6720

## Pre-miRNA 21

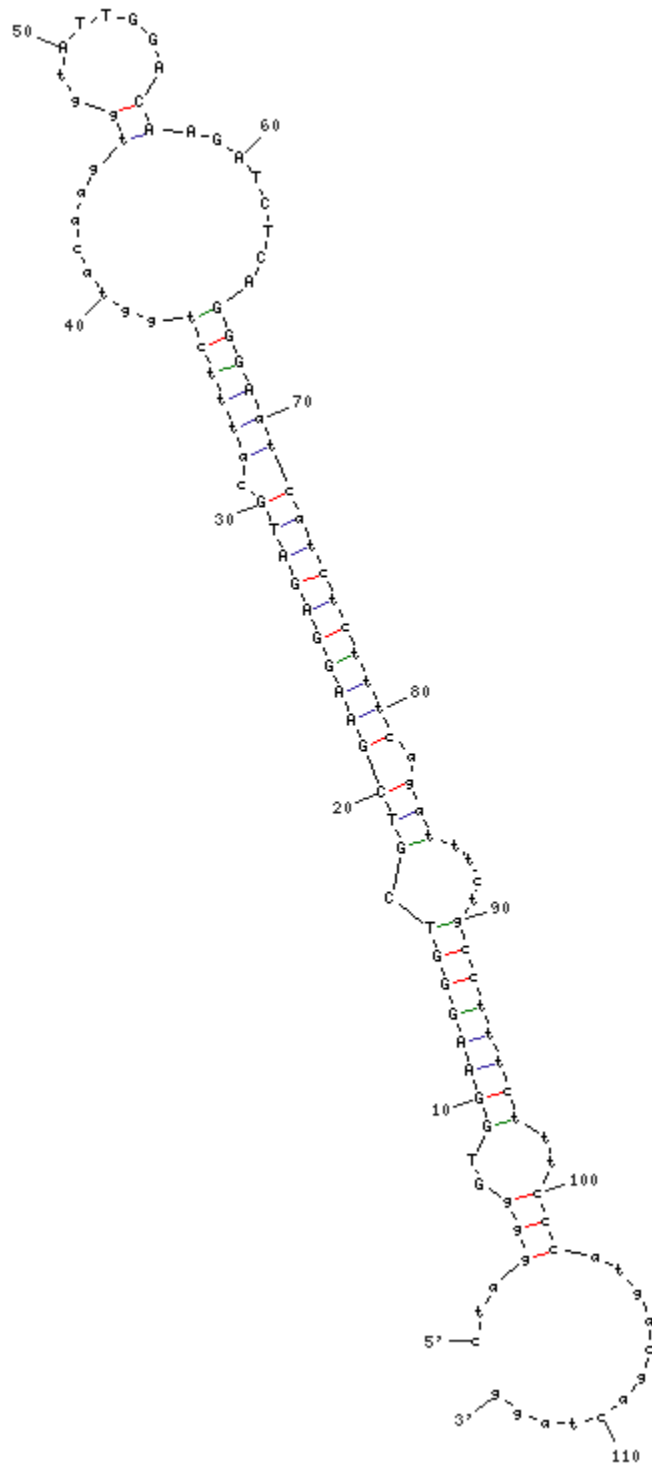
Output of `mir_graph ( )`  
by D. Stewart and M. Zuker



$$dG = -34.9721$$

Pre-miRNA 22/ Pre-miRNA 23

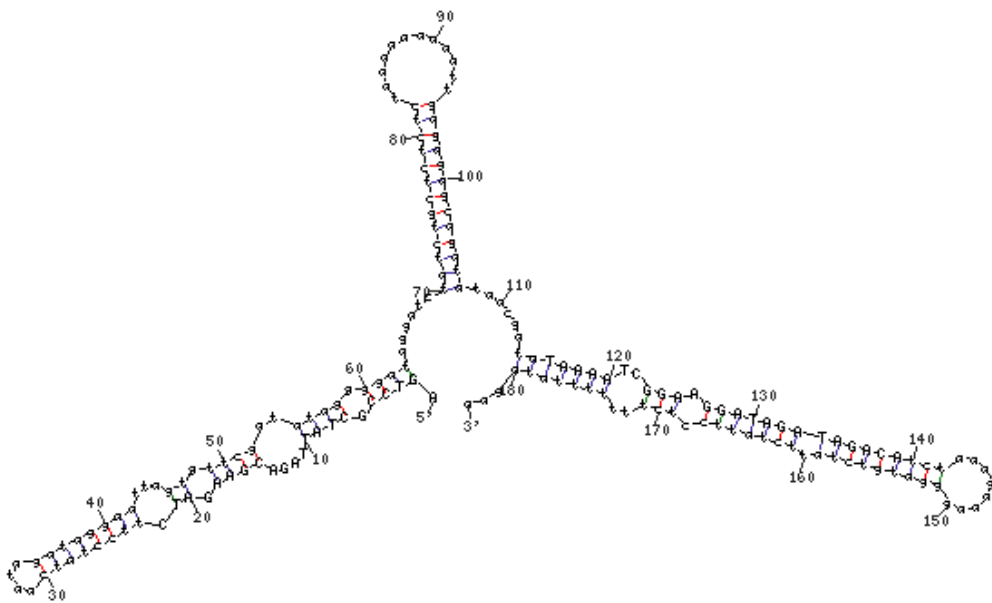
Output of `sir_graph ( )`  
by D. Stewart and M. Zuker



$dG = -37.9422$

## Pre-miRNA 24/ Pre-miRNA 25

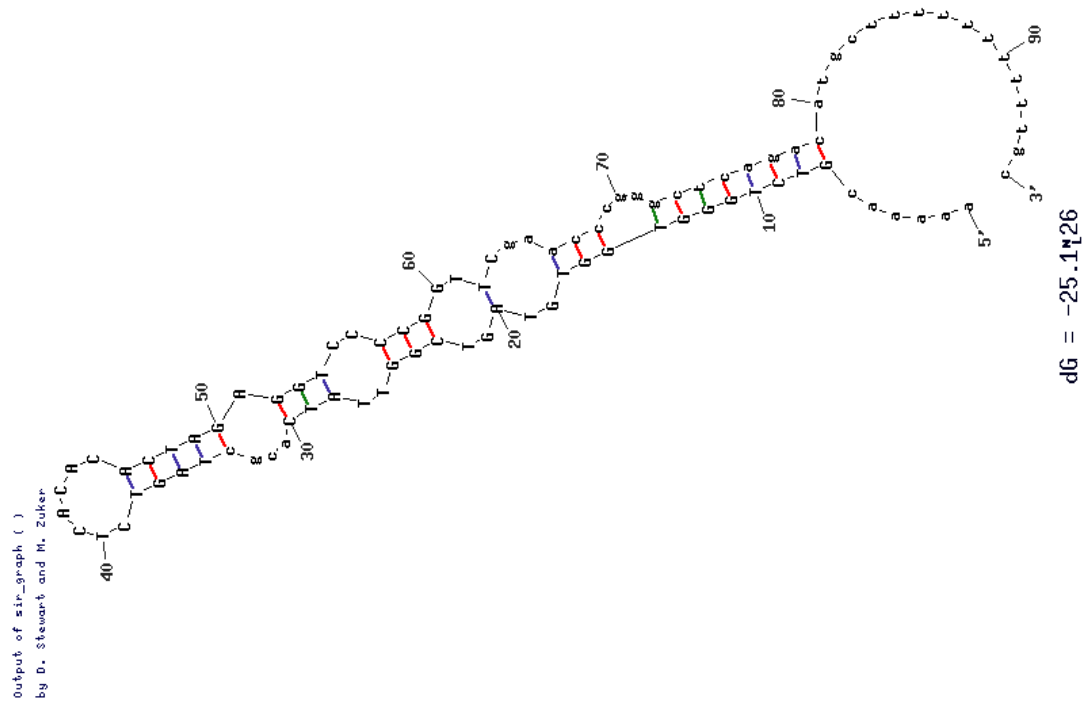
Output of `mir_graph ( )`  
by D. Stewart and M. Zuker



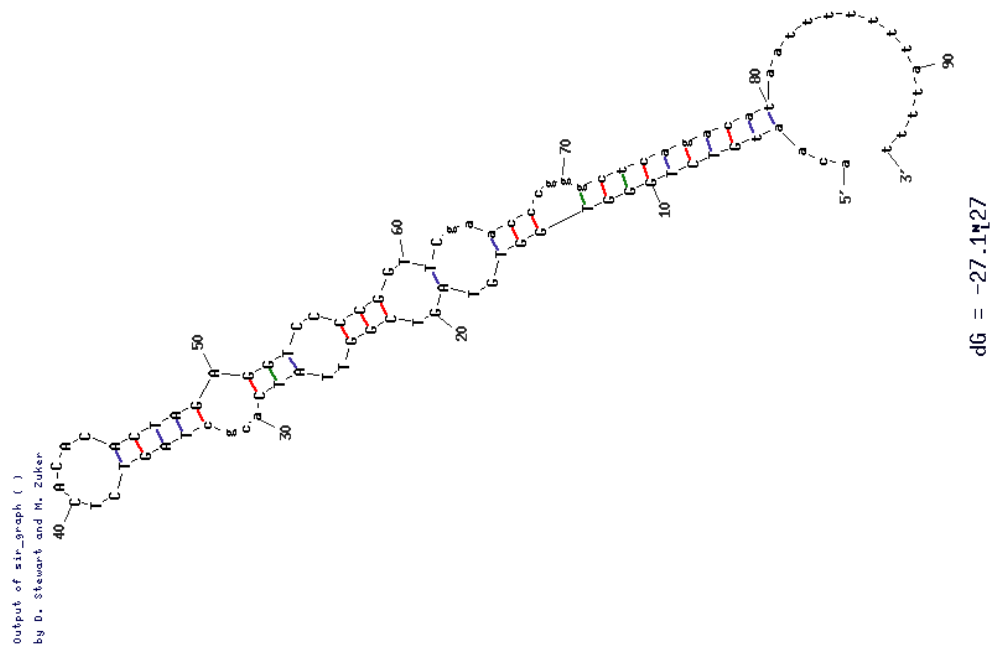
$$\Delta G = -71.24$$



## Pre-miRNA 26

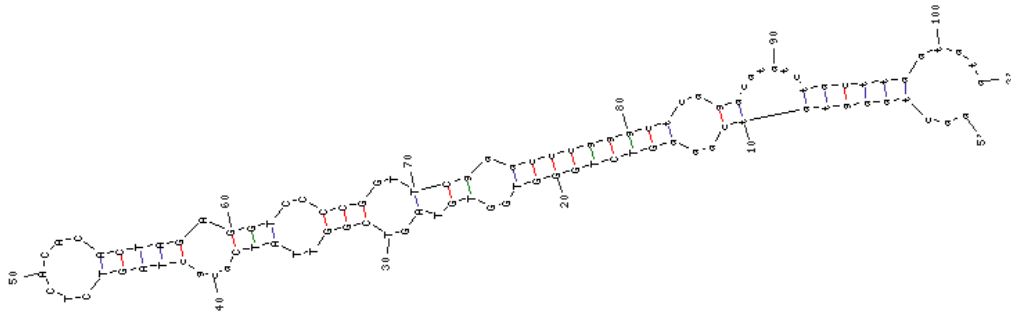


## Pre-miRNA 27



# Pre-miRNA 28

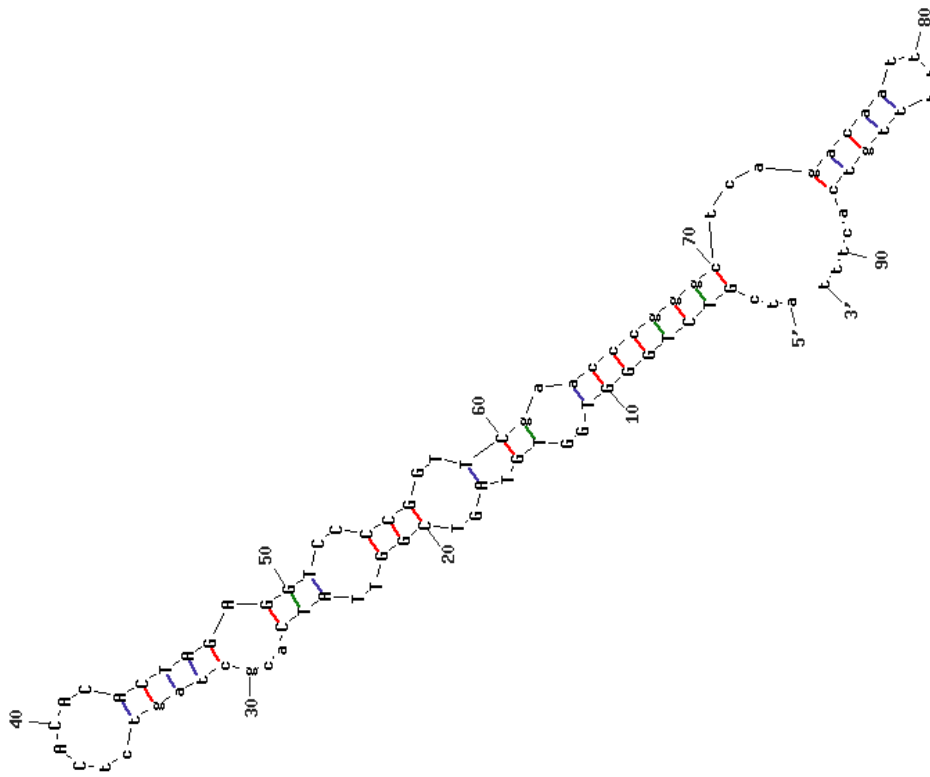
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



dG = -29.5 kcal/mol

# Pre-miRNA 29

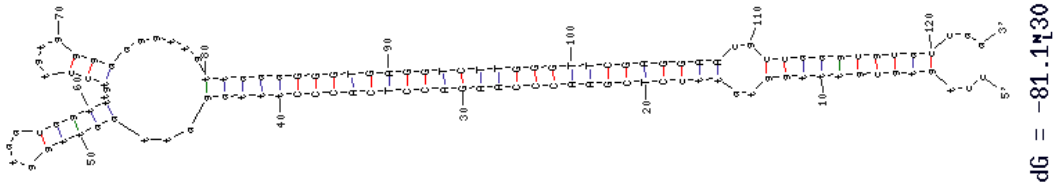
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



dG = -29.9 kcal/mol

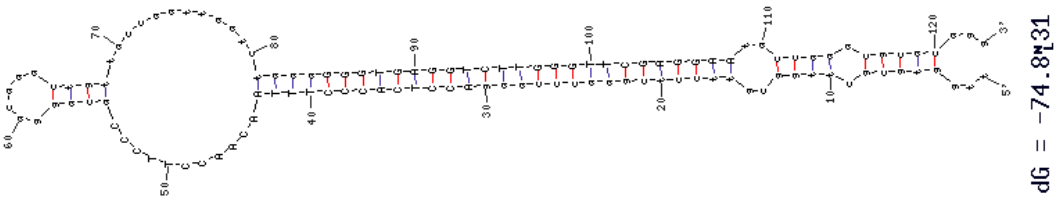
## Pre-miRNA 30

Output of mir\_graph ( )  
by D. Stewart and M. Zuker

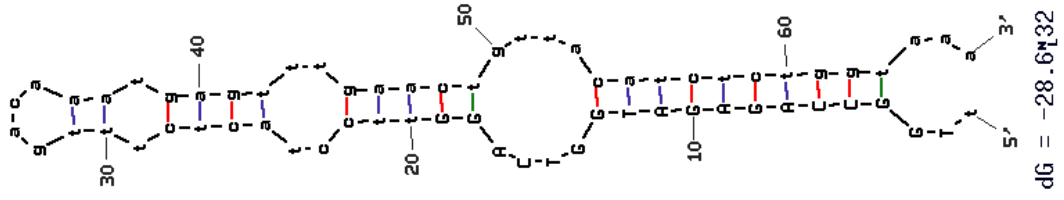


## Pre-miRNA 31

Output of mir\_graph ( )  
by D. Stewart and M. Zuker

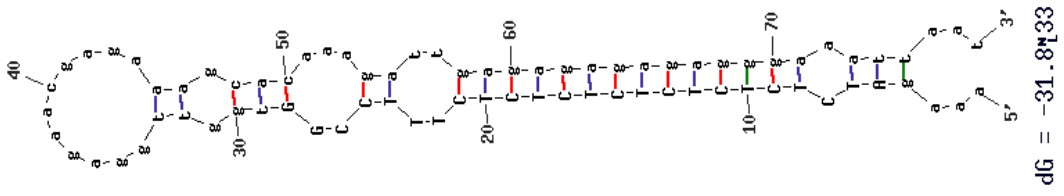


### Pre-miRNA 32



Output of mir\_graph ( )  
by D. Stewart and M. Zuker

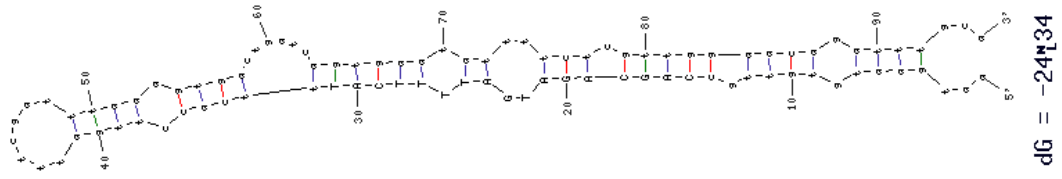
### Pre-miRNA 33



Output of mir\_graph ( )  
by D. Stewart and M. Zuker

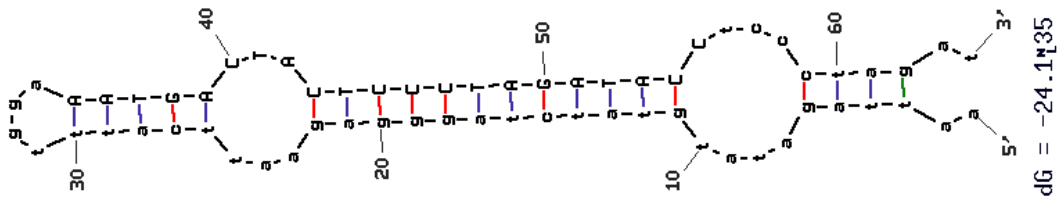
## Pre-miRNA 34

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



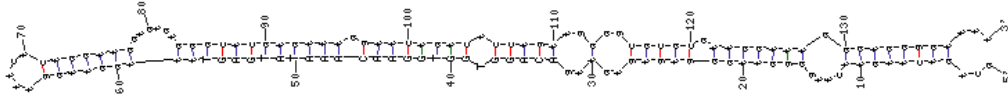
## Pre-miRNA 35

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



## Pre-miRNA 36

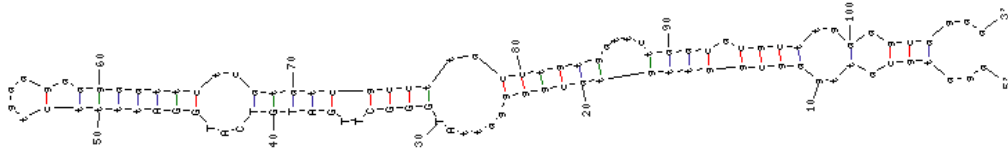
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



dG = -54.8 kcal/mol

## Pre-miRNA 37

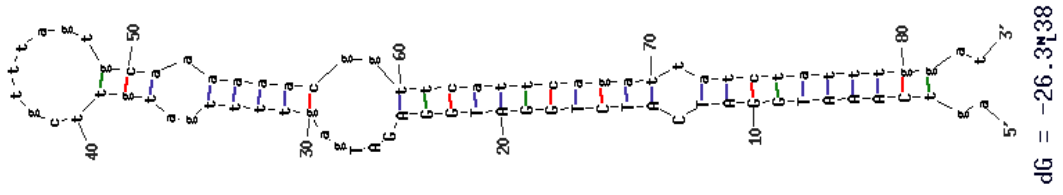
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



dG = -32.3 kcal/mol

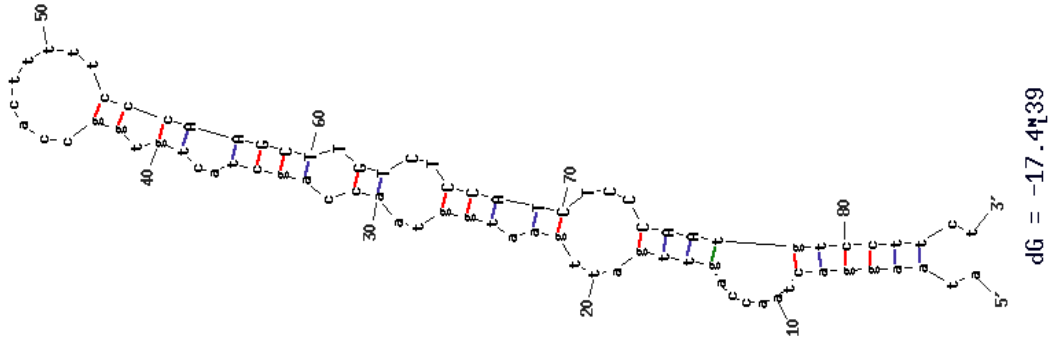
## Pre-miRNA 38

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



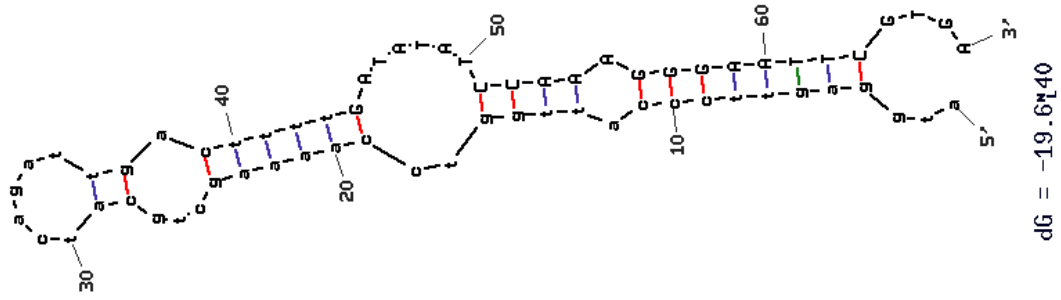
## Pre-miRNA 39

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



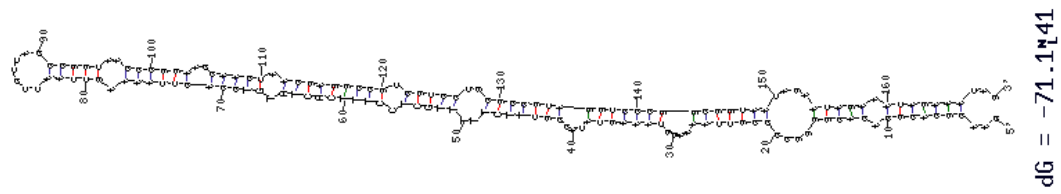
# Pre-miRNA 40

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



# Pre-miRNA 41

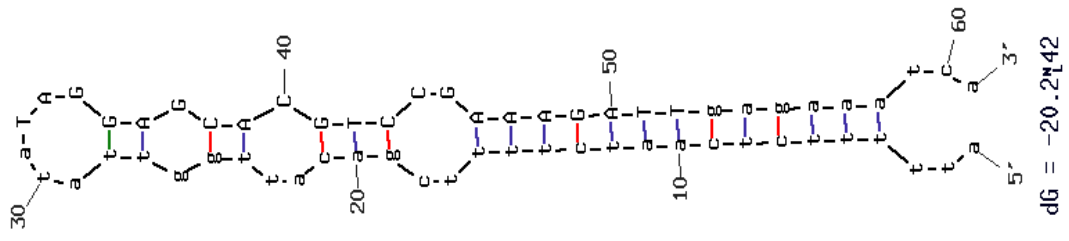
Output of mir\_graph ( )  
by D. Stewart and M. Zuker





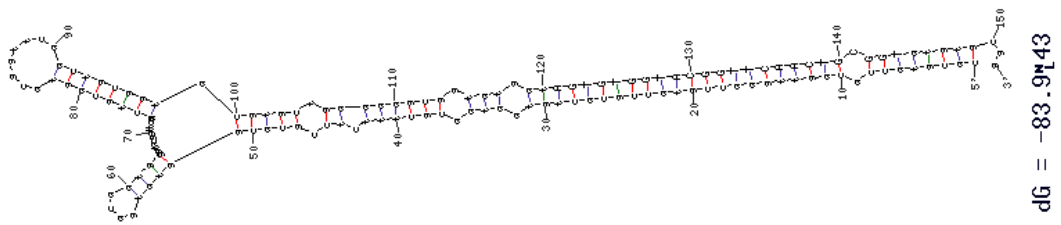
## Pre-miRNA 42

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



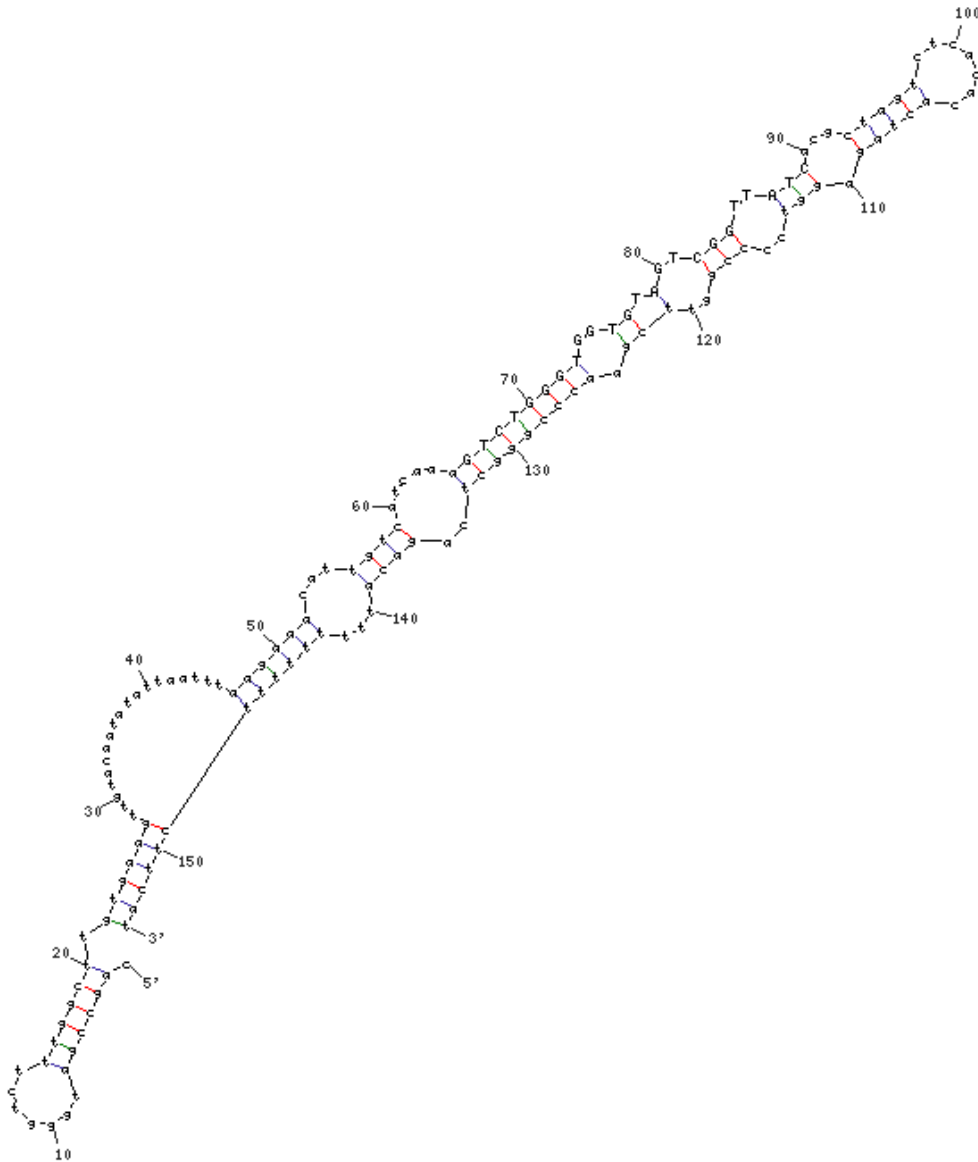
## Pre-miRNA 43

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



# Pre-miRNA 44

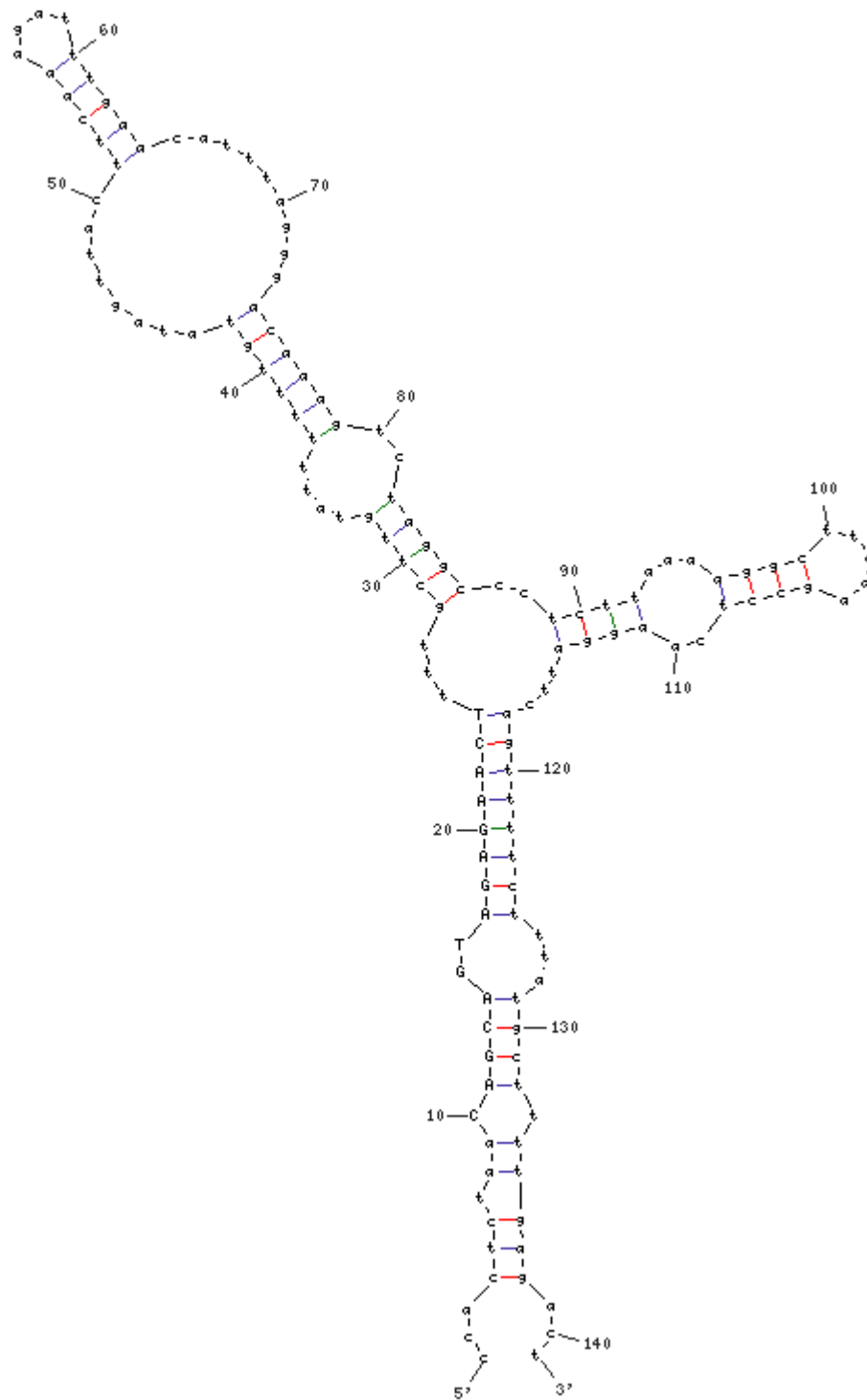
Output of `sir_graph ( )`  
by D. Stewart and M. Zuker



$$\Delta G = -39.144$$

# Pre-miRNA 45

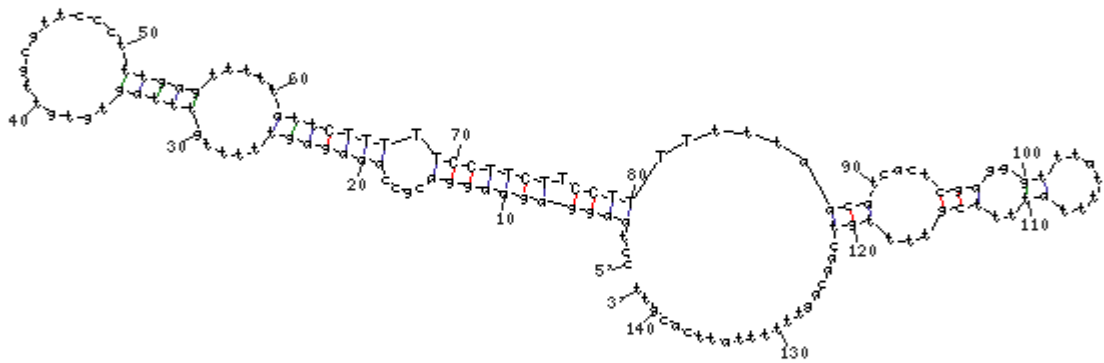
Output of `sir_graph ( )`  
by D. Stewart and M. Zuker



$$\Delta G = -30.5 \text{ kcal/mol}$$

## Pre-miRNA 46

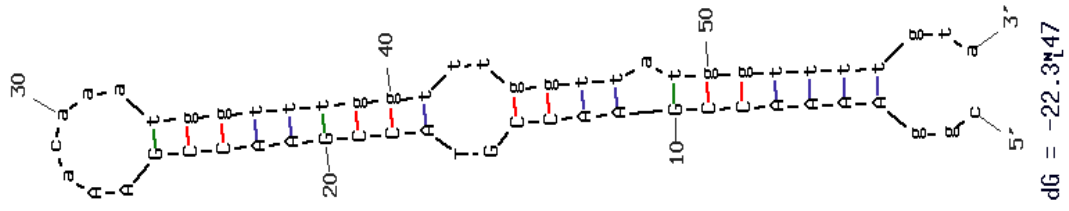
Output of `sir_graph` ( )  
 by D. Stewart and M. Zuker



$$\Delta G = -20.7446$$

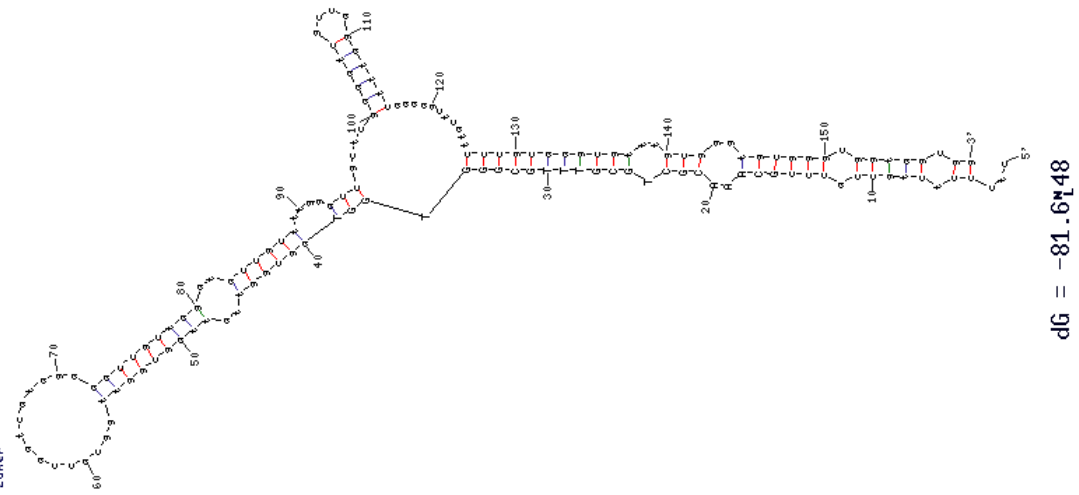
### Pre-miRNA 47

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



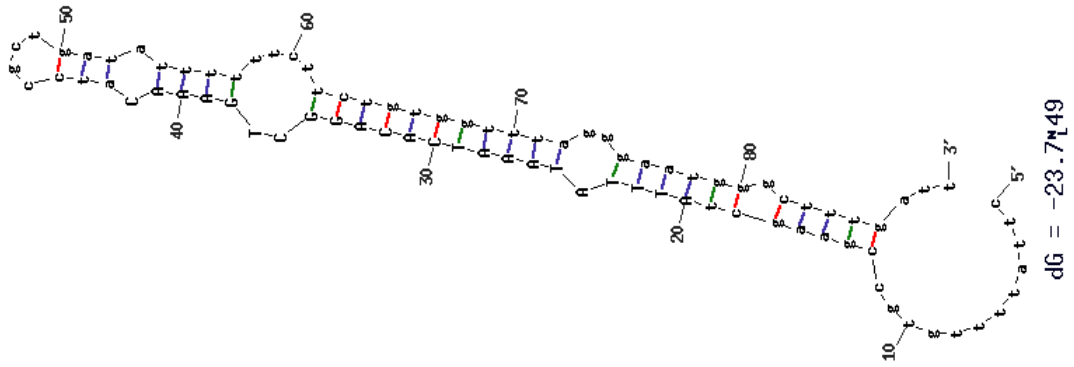
### Pre-miRNA 48

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



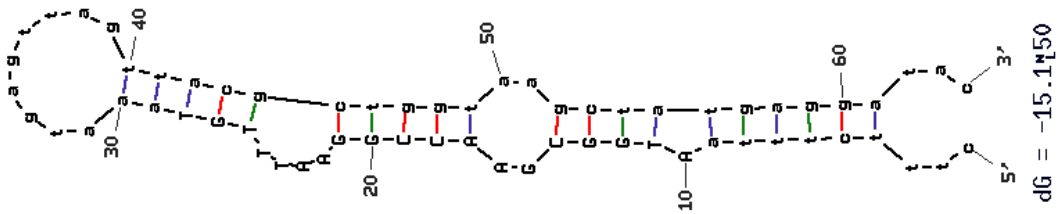
## Pre-miRNA 49

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



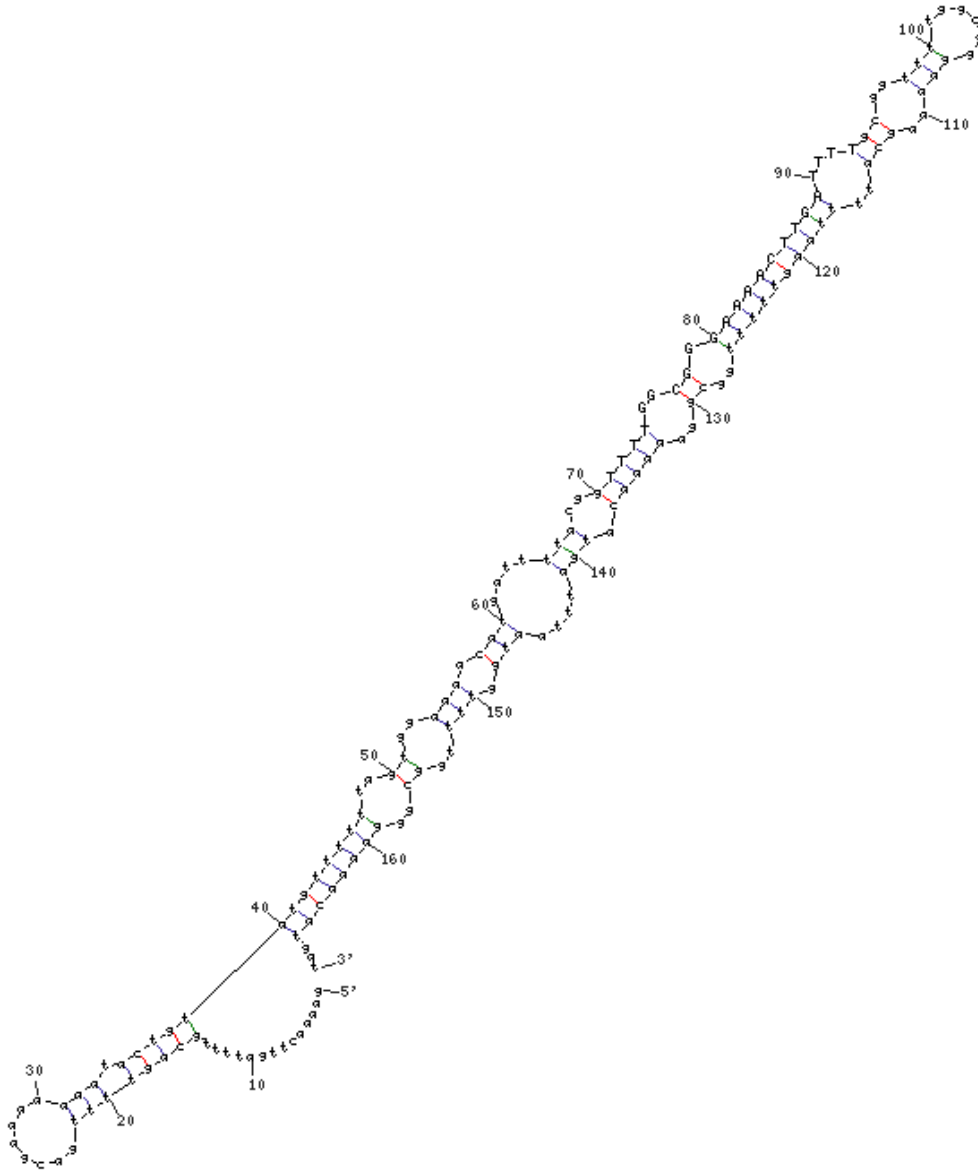
## Pre-miRNA 50

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



# Pre-miRNA 51

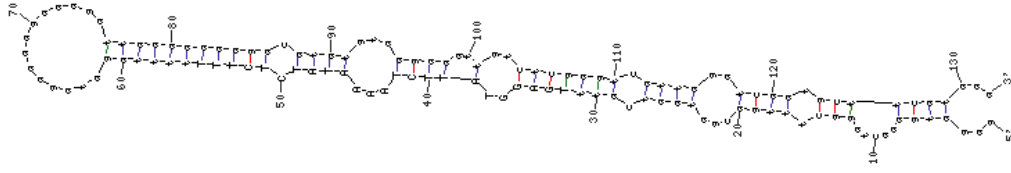
Output of `sir_graph ( )`  
by D. Stewart and M. Zuker



$$\Delta G = -32.9 \text{ kcal/mol}$$

## Pre-miRNA 52

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



dG = -27.2452

## Pre-miRNA 53

Output of mir\_graph ( )  
by D. Stewart and M. Zuker

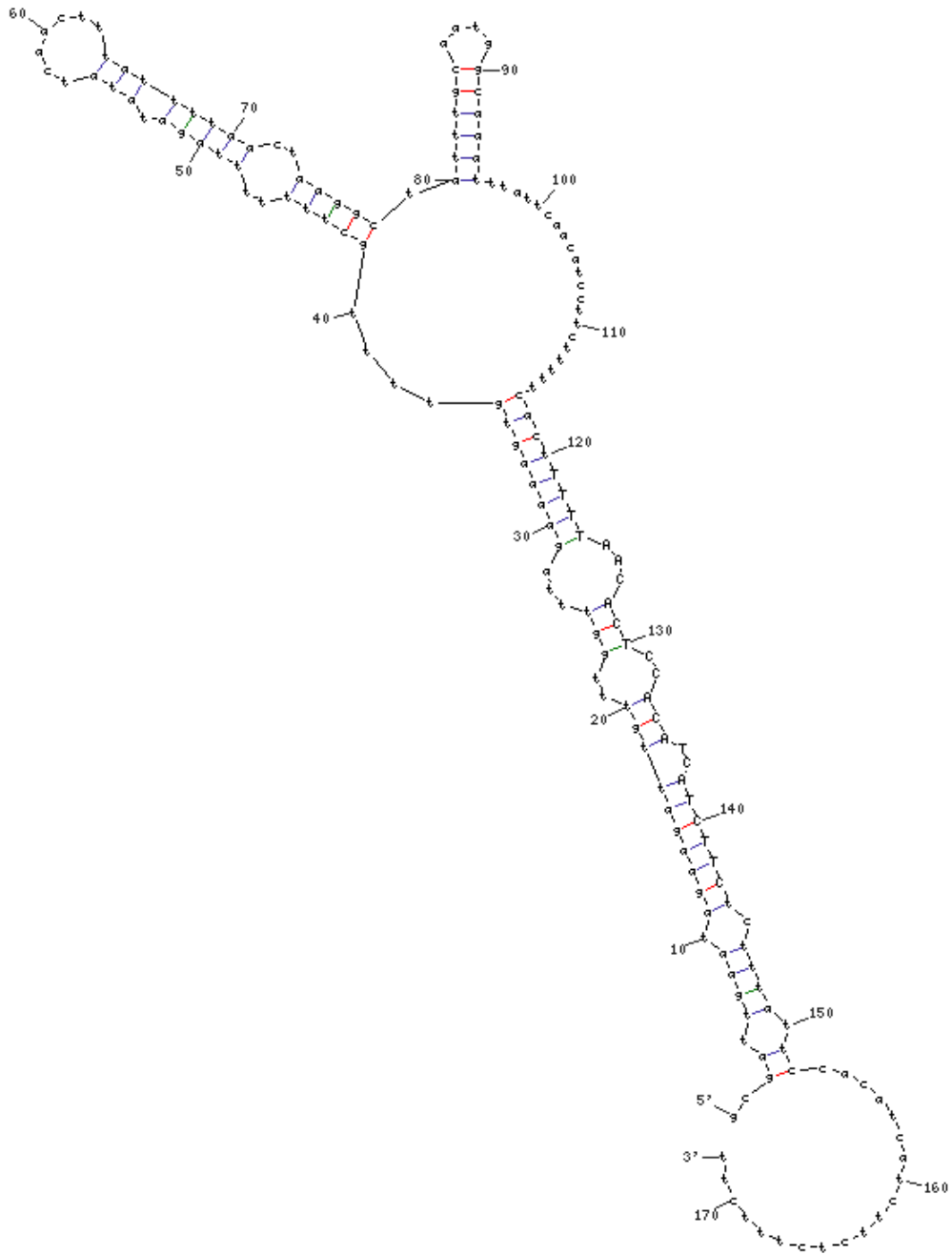


dG = -28.5453



# Pre-miRNA 54

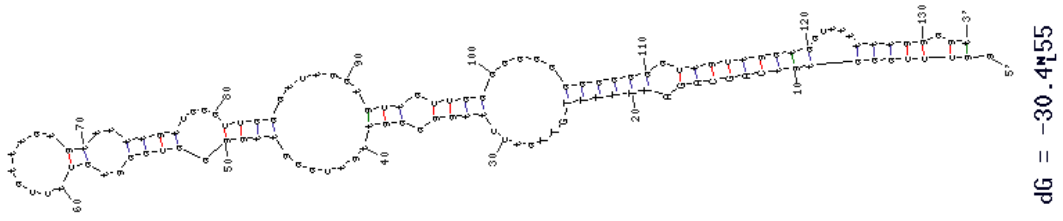
Output of `sir_graph ( )`  
by D. Stewart and M. Zuker



$$\Delta G = -29.4 \text{ kcal/mol}$$

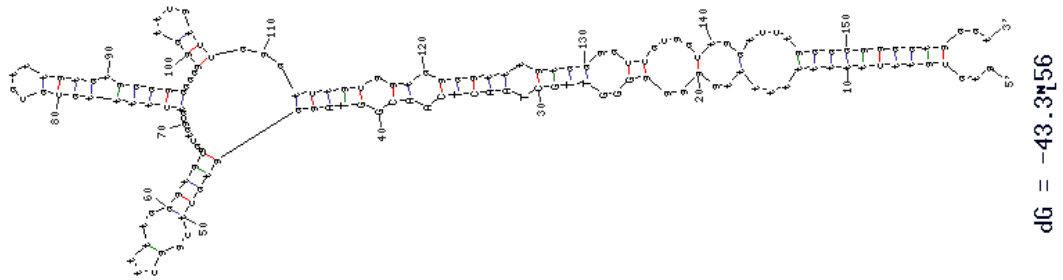
## Pre-miRNA 55

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



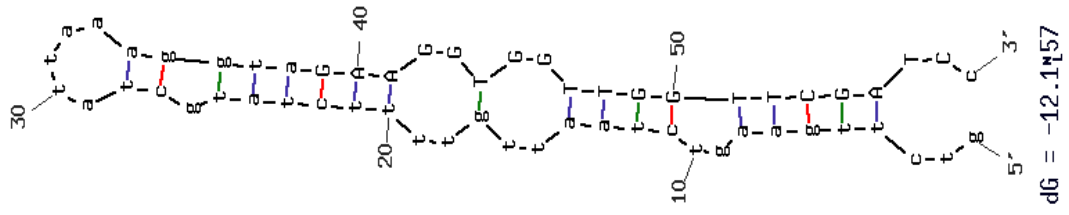
## Pre-miRNA 56

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



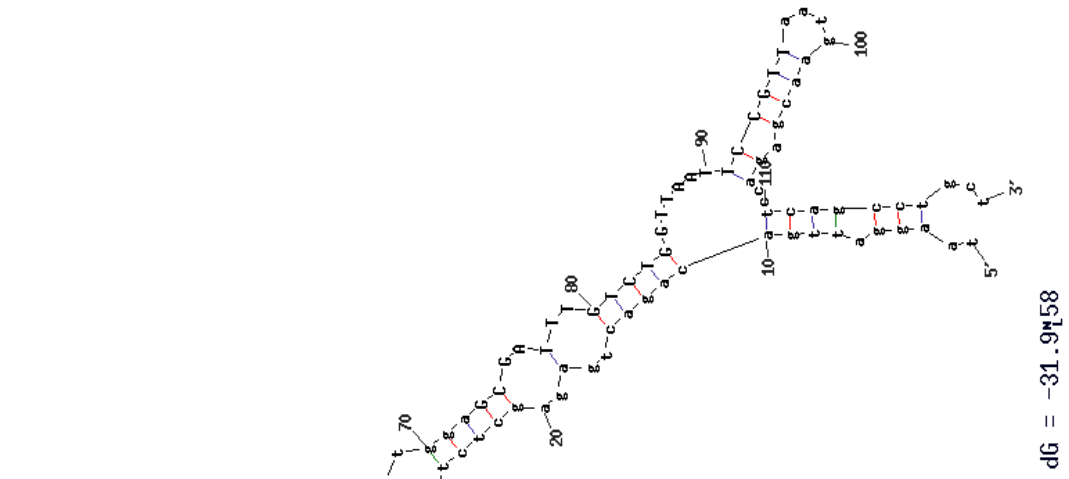
# Pre-miRNA 57

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



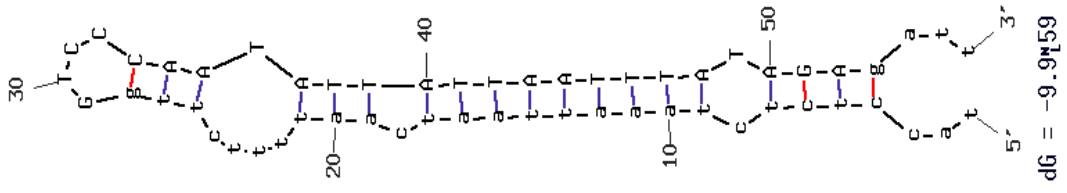
# Pre-miRNA 58

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



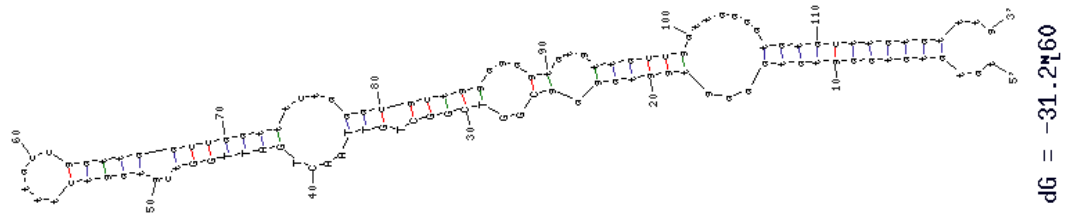
## Pre-miRNA 59

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



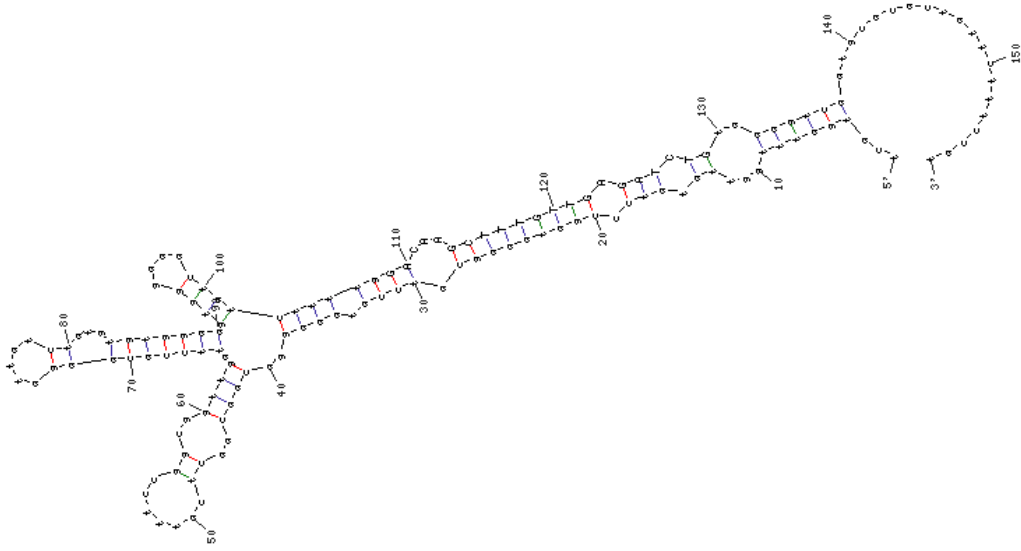
## Pre-miRNA 60

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



## Pre-miRNA 61

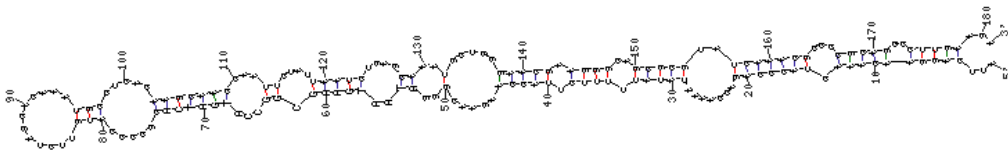
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



dG = -36.4 kcal/mol

## Pre-miRNA 62

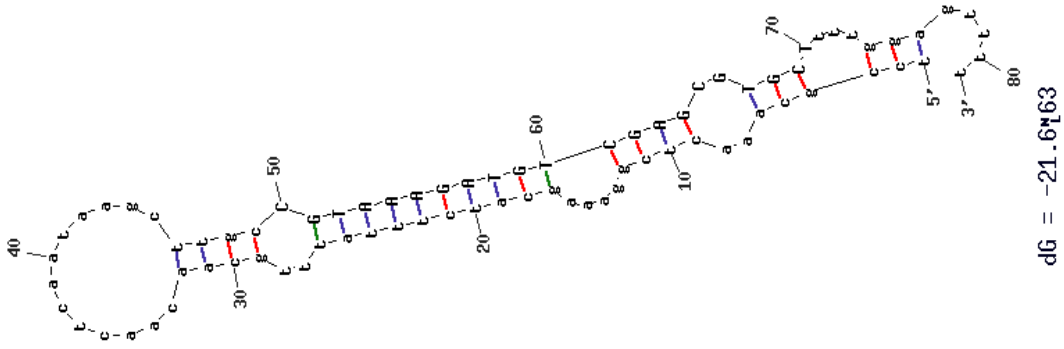
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



dG = -38.1 kcal/mol

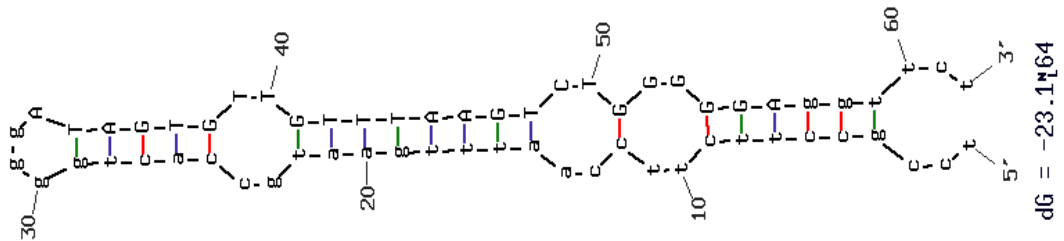
# Pre-miRNA 63

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



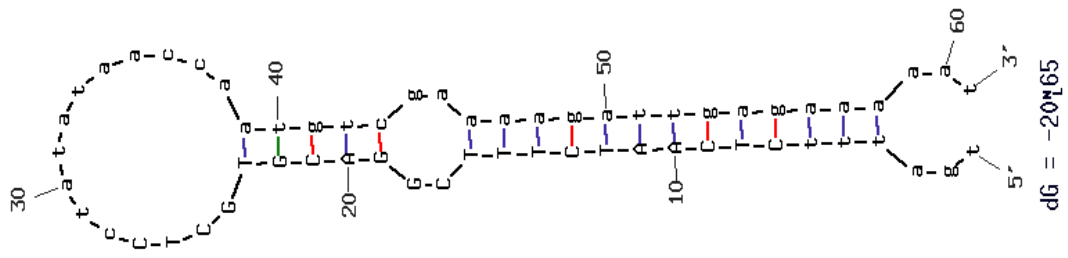
# Pre-miRNA 64

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



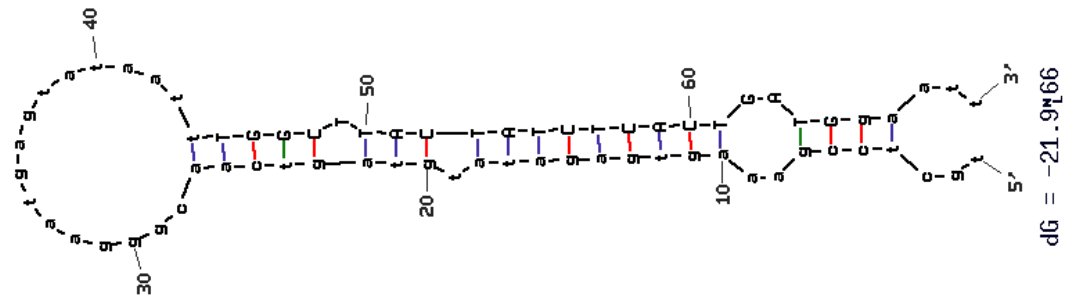
## Pre-miRNA 65

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



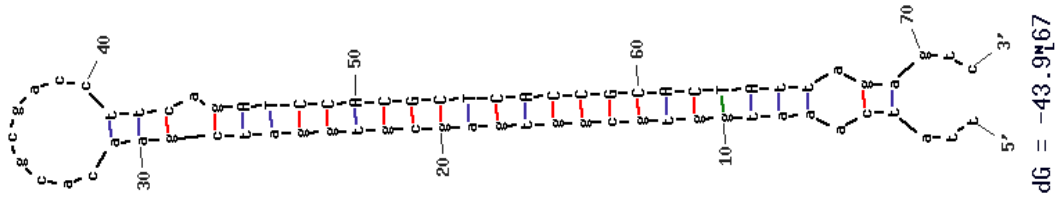
## Pre-miRNA 66

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



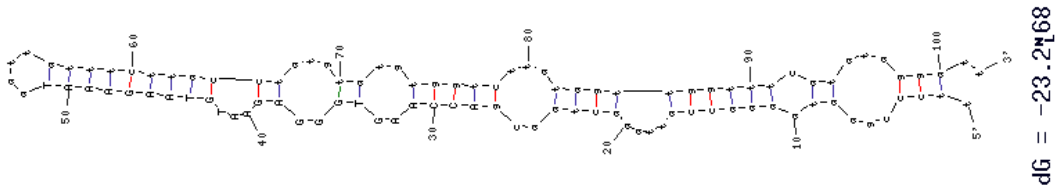
## Pre-miRNA 67

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



## Pre-miRNA 68

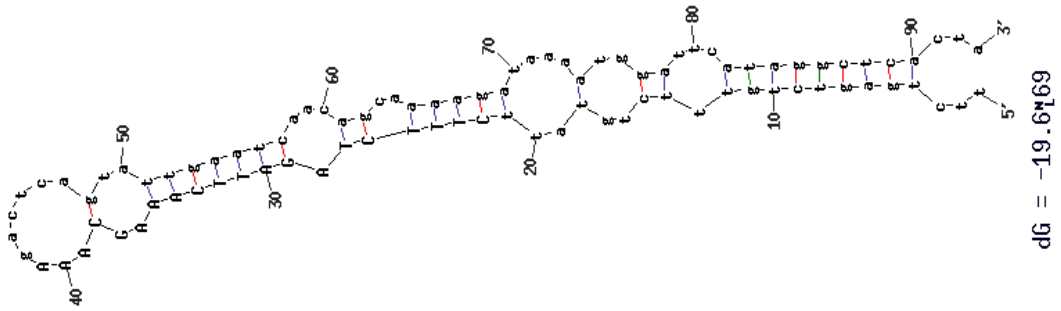
Output of mir\_graph ( )  
by D. Stewart and M. Zuker





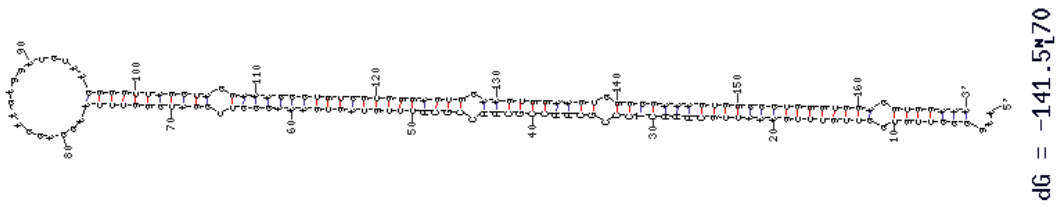
## Pre-miRNA 69

Output of mir\_graph ( )  
by D. Stewart and M. Zuker

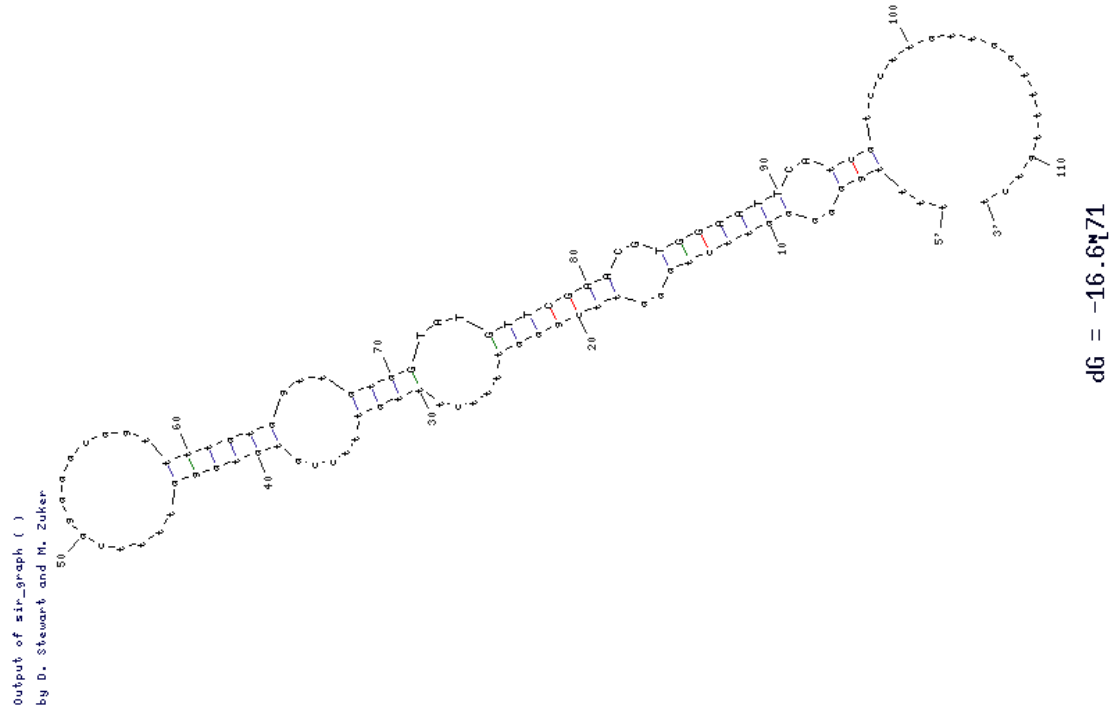


## Pre-miRNA 70

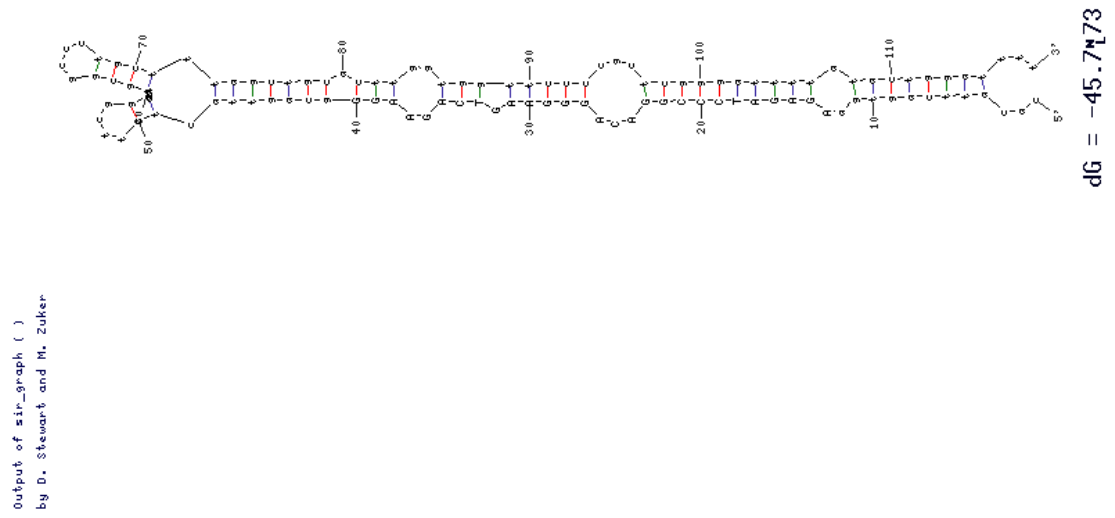
Output of mir\_graph ( )  
by D. Stewart and M. Zuker



Pre-miRNA 71/ Pre-miRNA 72

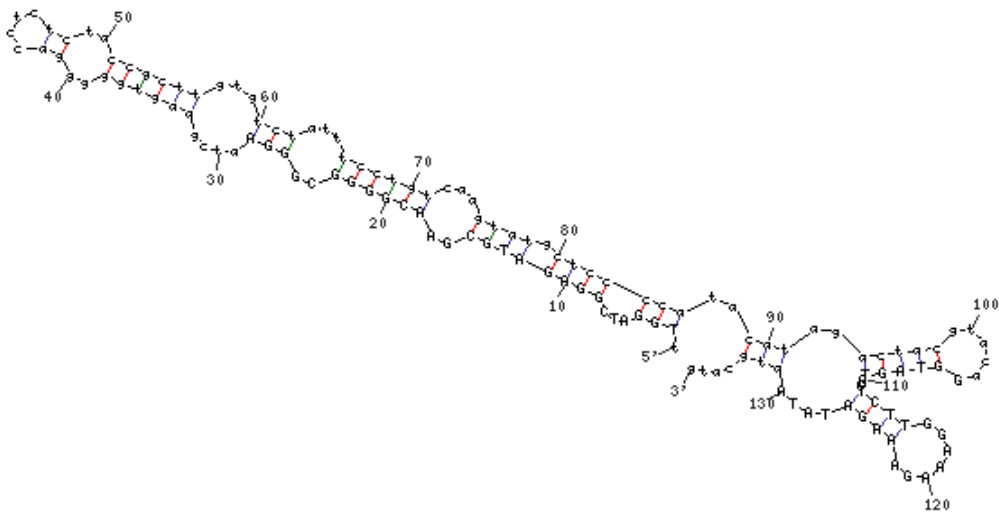


Pre-miRNA 73/ Pre-miRNA 74



## Pre-miRNA 75

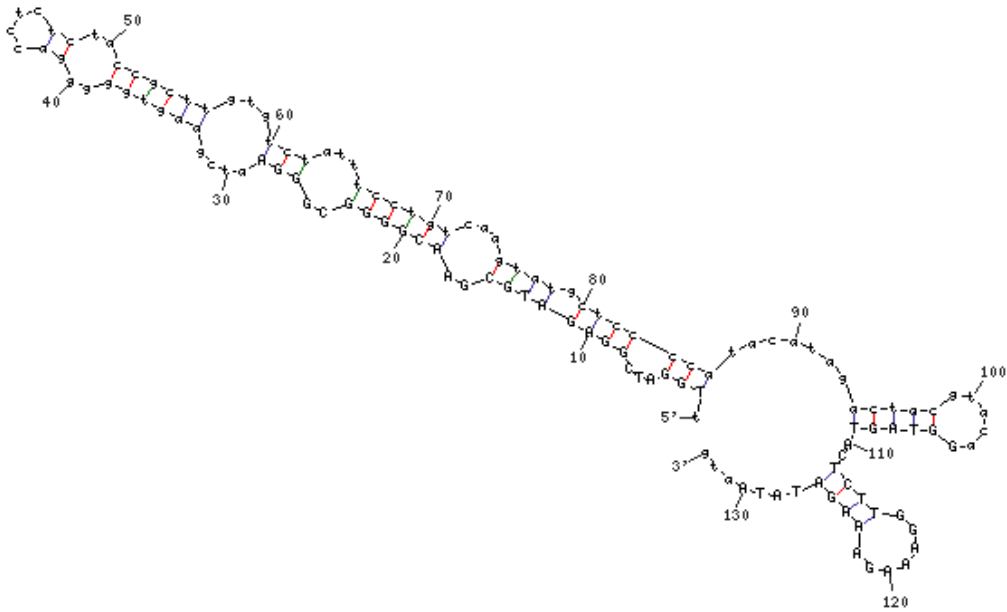
Output of `sir_graph ( )`  
by D. Stewart and M. Zuker



$$\Delta G = -35.8175$$

## Pre-miRNA 76

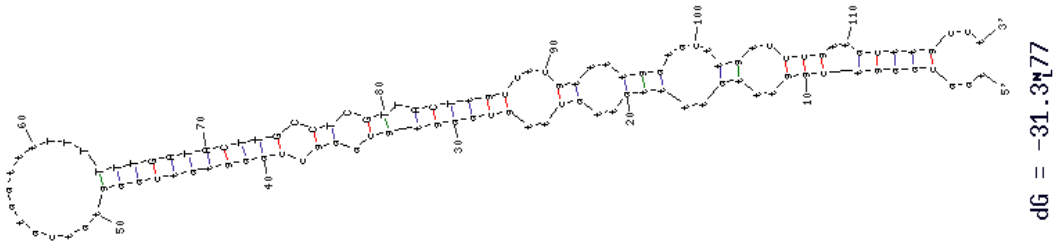
Output of `mir_graph ( )`  
by D. Stewart and M. Zuker



$$\Delta G = -35.6776$$

## Pre-miRNA 77

Output of mir\_graph ( )  
by D. Stewart and M. Zuker



## Pre-miRNA 78

Output of mir\_graph ( )  
by D. Stewart and M. Zuker

