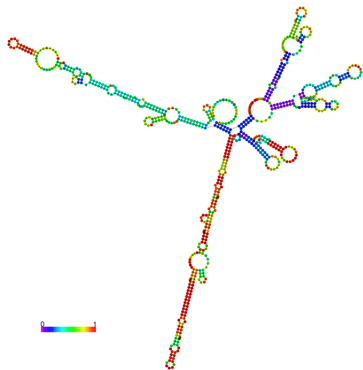
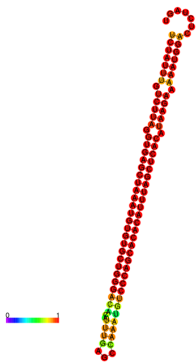


Supplementary Figure 1

a



b



Supplementary Figure 2

```
>character string  
GCGUUGGUAGCCAUCAGAUUCUGGAUCGUUCCUUGAUCUGACGGCUACCGUAUGA  
>structure string  
.(((((((((((.(((((((.((....))..)))))).)))))).))))).
```



```
>reversed character string  
AGUAUGCCAUCGGCAGUCUAGUUCCUUGCUAGGUCUAGACUACCGAUGGUUGCG  
>reversed structure string  
.(((.(((((((((((.(((((((..((....(((.(((((((((((.(((((((((((.
```

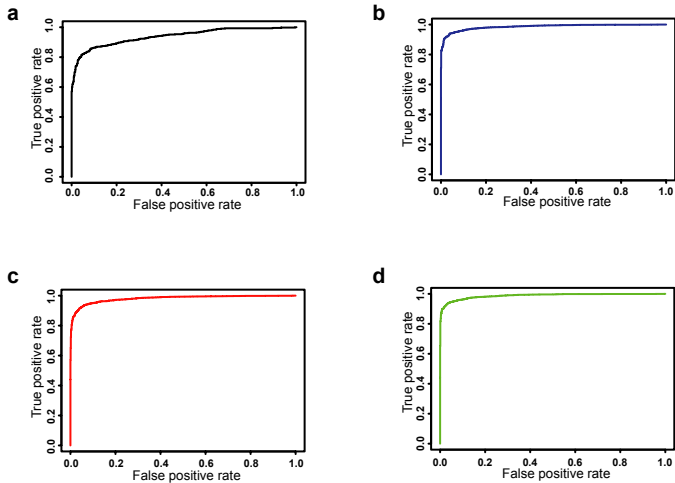


```
>structure alignment  
.((( _(((((((((((.(((((((((_(((....(((..(((((((((((.(((((((((((.(((  
..(((.(((((((((((((((((((((_(((....(((. _(((((((((((.(((((((((_(((  
>character alignment  
GCGU _UGGUAGCCAUCAGAUUC _GGAUCGUUCCUUGAUCUGACGGCUACCGUAUGA  
AGUAUGCCAUCGGCAGUCUAGUUCCUUGCUAGGU _CUAGACUACCGAUGGU _UGCG
```



The string was divided into 10 parts, in each part the ratio of AA, AU, AG, AC, UU, UG, UC, GG, GC, CC, A_, U_, G_, C_ was calculated, respectively.

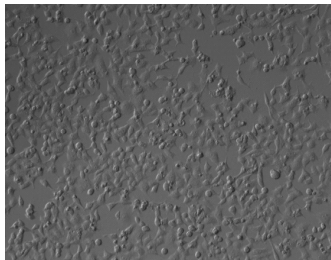
Supplementary Figure 3



Supplementary Figure 4

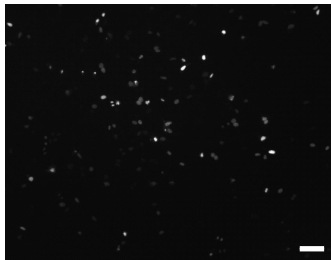
a

DIC

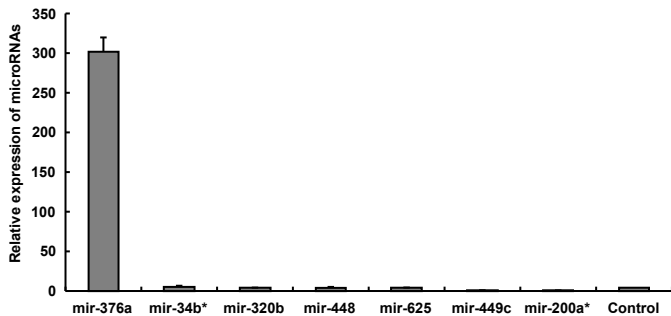


b

GFP

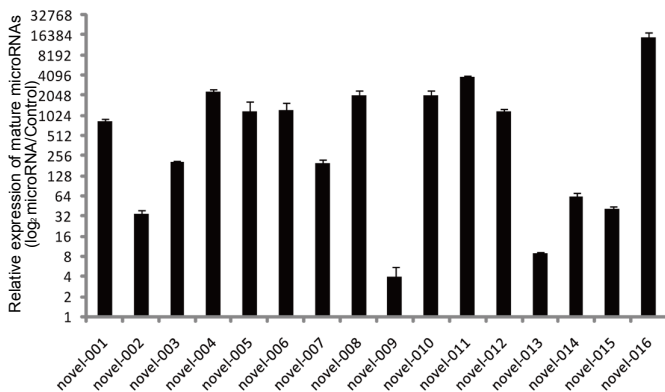


c

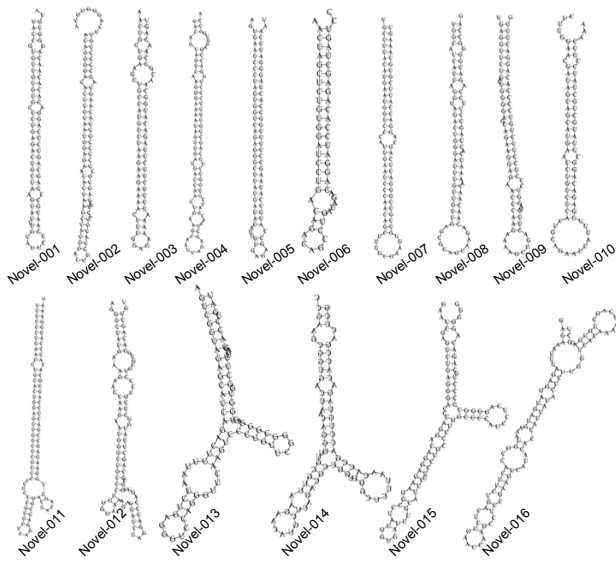


Supplementary Figure 5

a

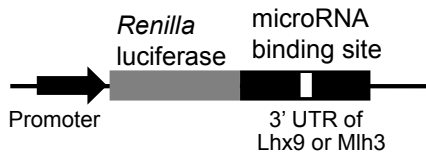


b



Supplementary Figure 6

a



b

