Figure S4

A.

```
                T7 promoter                                                                  XhoI
Cdkn1a          TAATACGACTCACTATAGGGAGACCCAAGCTGGCTAGCGTTTAAACGGGCCCTCTAGACTCGAGATGTCCAATCCTGGTGATGTC
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Cdkn1aΔATG      TAATACGACTCACTATAGGGAGACCCAAGCTGGCTAGCGTTTAAACGGGCCCTCTAGACTCGAG-TGTCCAATCCTGGTGATGTC
```

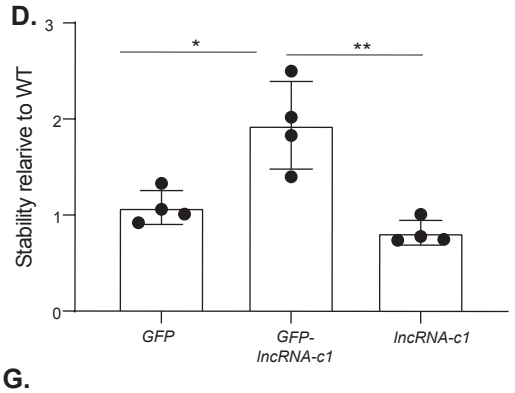
B.

```
MSNPGDVRPVPHRSKVCRCLFGPVDSEQLRRDCDALMAGCLQEARERWNFDFVTETPLEGNFVWERV
RSLGLPKVYLSPGSRSRDDLGGDKRPSTSSALLQGPAPEDHVALSLSCTLVSERPEDSPGGPGTSQG
RKRRQTSLTDFYHSKRRLVFCKRKP-SAHGSPALFCCGSGGLFPIFGLSPHSVCLNYYLCFNLNVSC
IYAACPLPVSKLKVI-KKNKTKKNQNKPKLVGR-GP-CGGFLLCRLLLFKPLPTQALCFLYRRNSPT
DIIPSASVSPNPPPPIPCLVPCHFLPGGDPQT-IALWKNE-DFGVSLSPLRPARMTVKQSQPRTGMA
VRTQP-YPDS-HCSDL-RQEWSPLWIPFATPGEPTSPVGLCQLPLYFGGLIW-SAALFPHPILPLLQ
VGRRHI-ALAPQLSGLEGNVYAGYTKWDSLVLP-AAPVATPCIVGLGWVLGGETGLPEHSMVCGGGG
GLIWDGDPSWGSQ-LLPFLSSSCTRSQAKMVSWGLRELTGH-AMADPFSVLNTVGVKALSGSDSSPK
HPCFCNILVWTVYP-PAPQEHVLWLPPCLHSDCKRLTRRDSTLHCPESSHPTPKLVLNKYFSMIEFH
HTGLVDPSSV
```

C.

```
CPILVMSDLFRTGAKCAVVSSVPWTVSSCAVIAMRSWRAVSRRPENGGTLTSSRRRRWRATSSGSAF
GA-GCPRST-ALGPAAVTTWEGTRGPVLPLPCCRGQLRRTTWPCRCLALWCLSGLKIPRVGPEHLRA
ENGGRPA-QISITPSADWSSARENPEVPTGAPPSSAVGQEASSPSSALALTLCVLIIICVLI-TSPV
YTLPALSQSPNLKLFKKRTKQKKTKTNLN--DGRALSVGDFYYVDYYYLSPSQPKLCVSYTGGTVLL
ISSHLHPFHPTPLPPFPAWFLATSYLGVILRPE-HFGKMSRTLGSPCHL-GQLG-Q-SSHSLEQGWQ
LGLNRNIPTLDIAQTCEDRSGPHSGSPLPLLGSPPLLWVSASCPSILEG-SGDLLLFSPTPYFPFCR
SAGGISRHLPHSSVDWKGMYMQGTLSGIPWSYLRQLQWQPPALWV-GGSLVVRQASQSILWCVVVGV
GLSGMGTPVGVLSDFSHFLVAVVQGARPRWCLGG-GSSQDTEQWLILSQC-IPWVSKHLVGLTPAPN
IPVSVTSWSGLSTLSPHPKNMYCGSLPVSTQIVSVSREGTAPCIVPSPHTRPQSWCSINTSR-LNST
TLD-XXRARYQ
```

D.

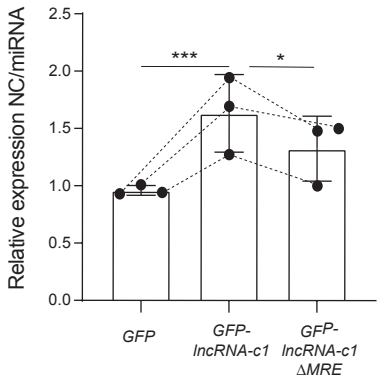
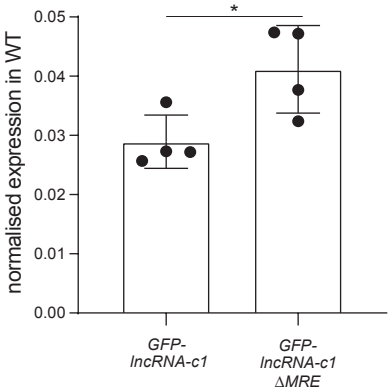


E.

```
miR-295      3' agacucaaaaguaguAGCACUUu 5'
                                ||||||||
lncRNA-c1 (1519)  5' cagauguucccaguaAGCACUUu 3'
lncRNA-c1 (2707)  5' ccuuuaaauguaucaAGCACUUu 3'

miR-290      3' gggcuuaaaacuaggcGGCACUUu 5'
                                |||||||
lncRNA-c1 (3314)  5' cauuuaacauacguugGGCACUUc 3'
```

F.



G.