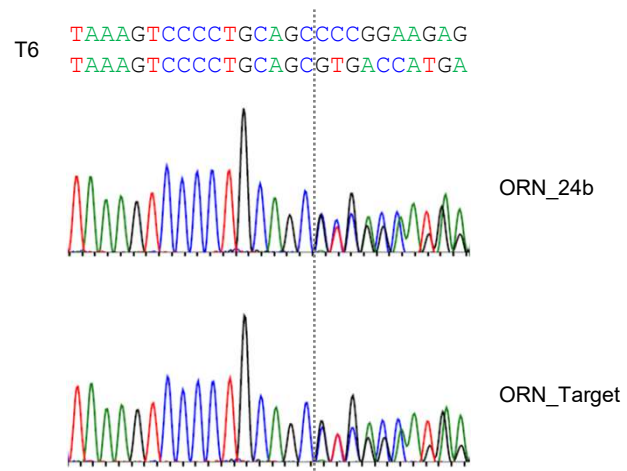
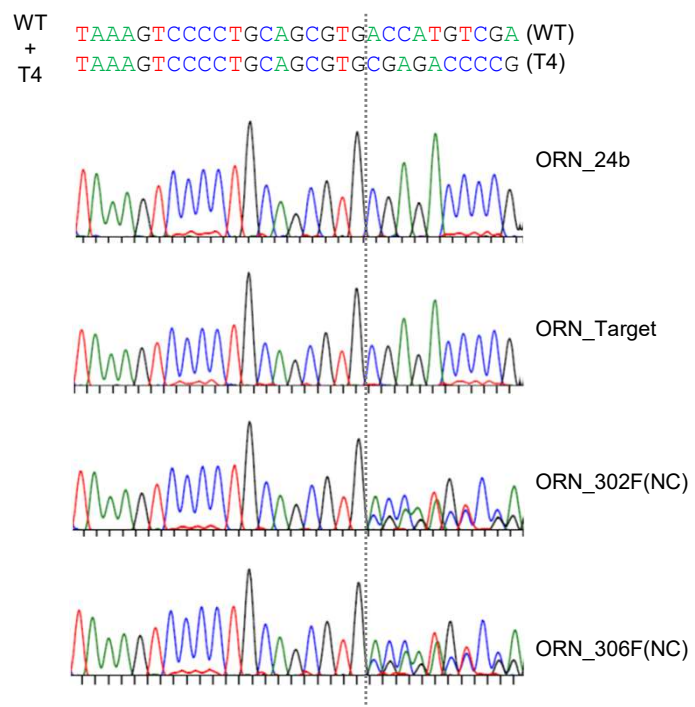




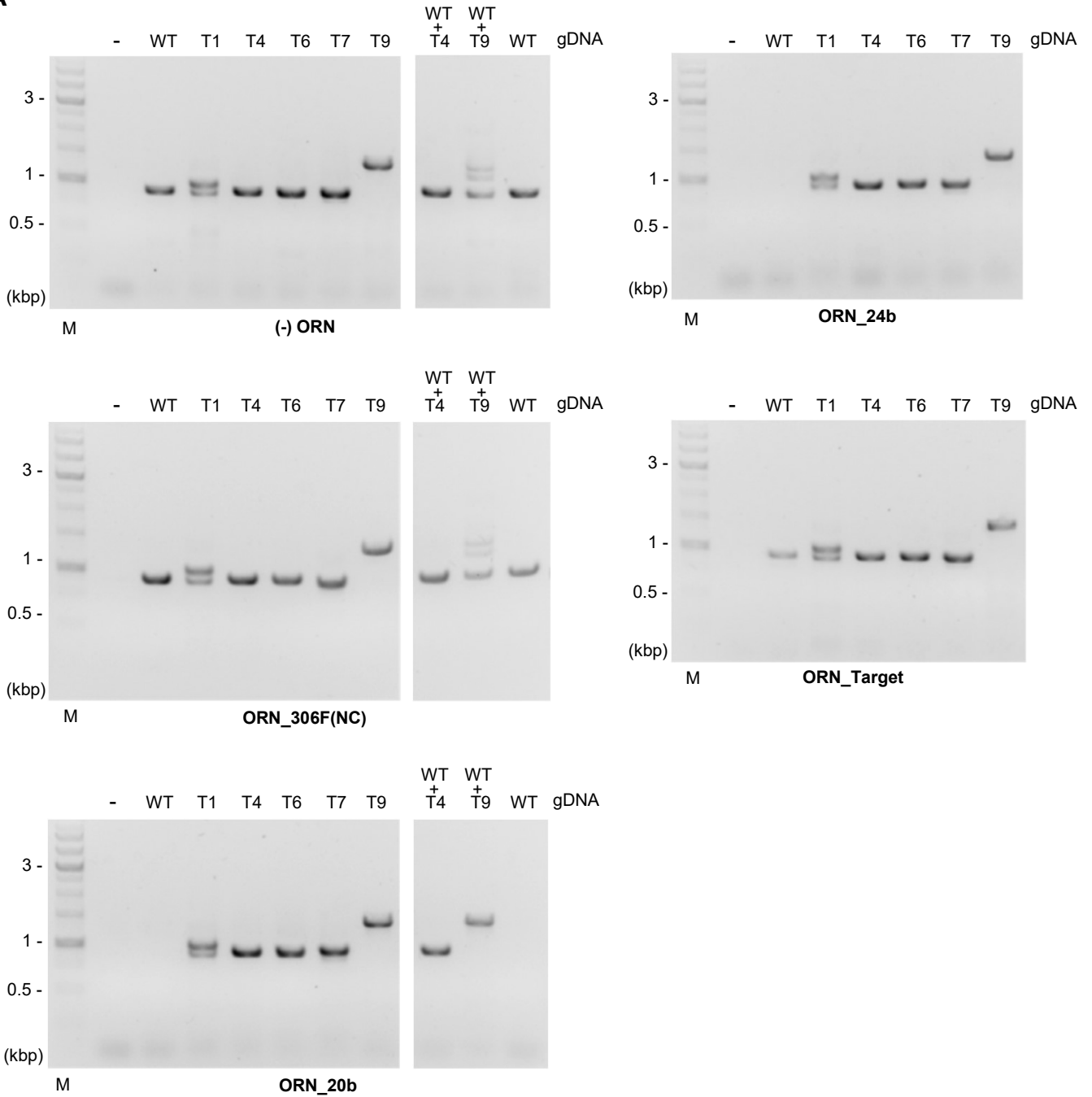
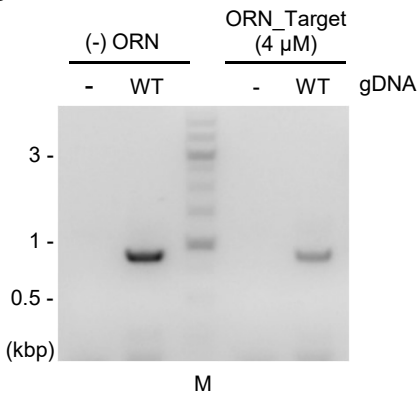
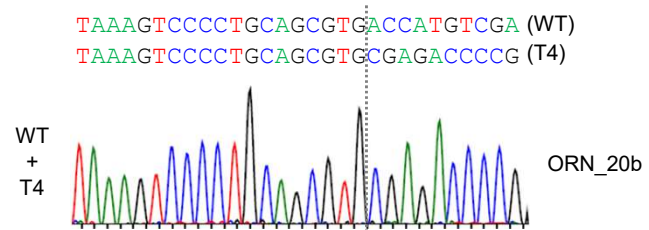
Supplementary Figure S1

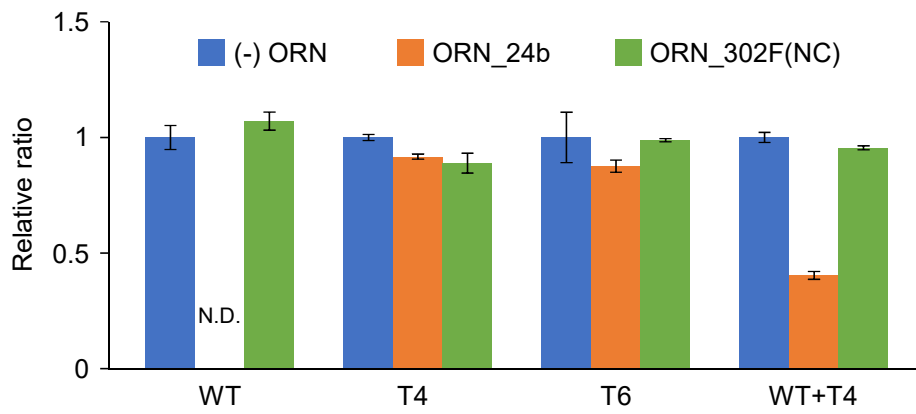


Supplementary Figure S3

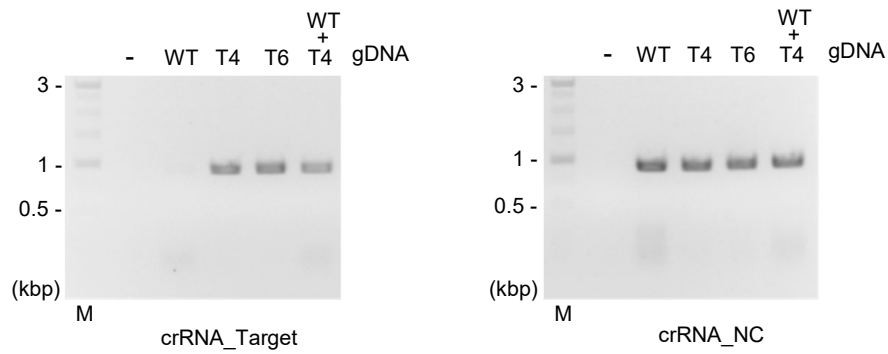
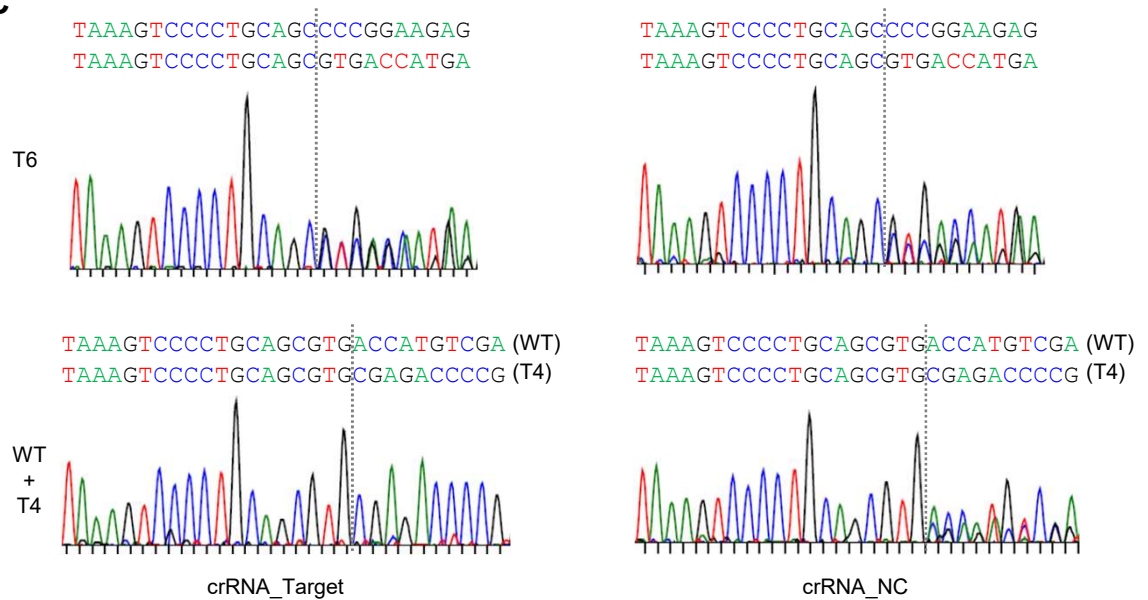


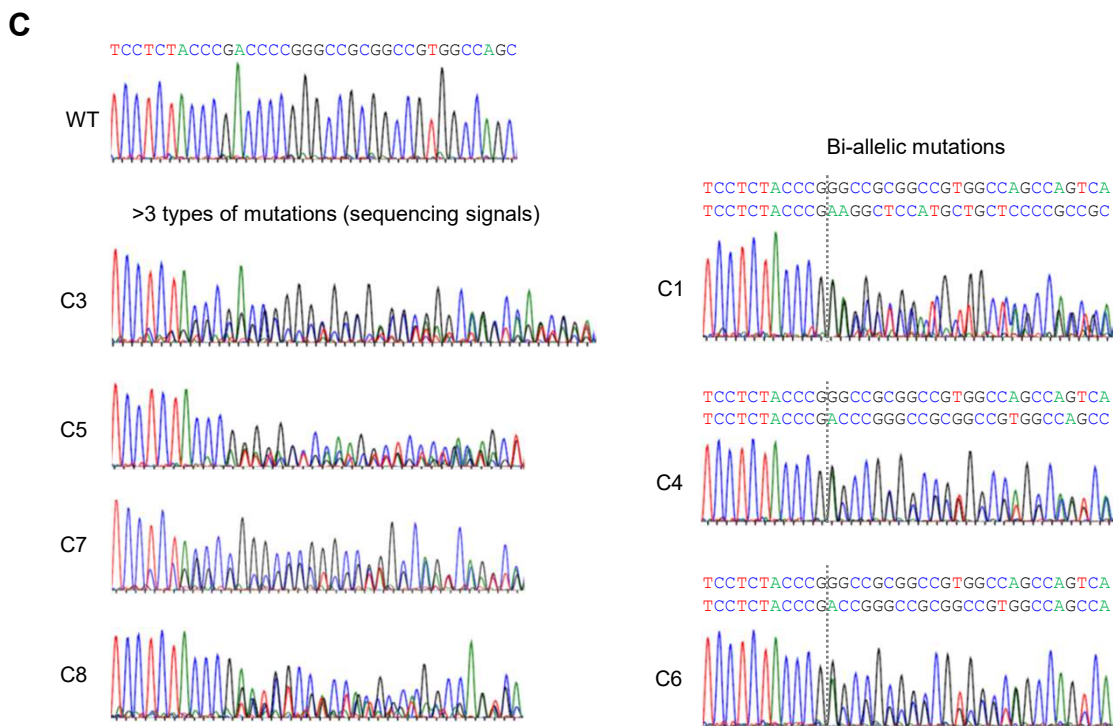
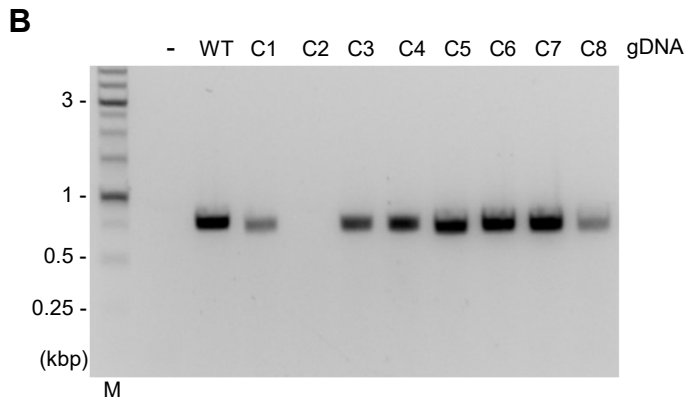
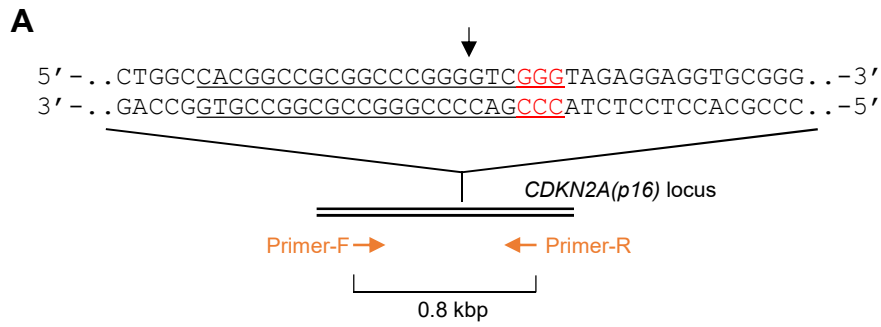
Supplementary Figure S4

A**B****C****Supplementary Figure S5**



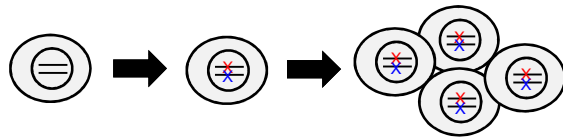
Supplementary Figure S6

A**B****C****Supplementary Figure S7**

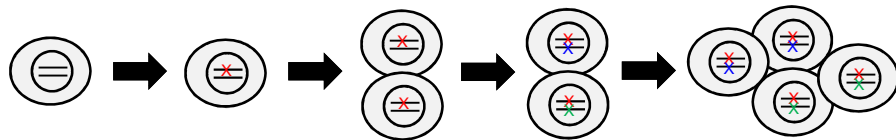


Supplementary Figure S8

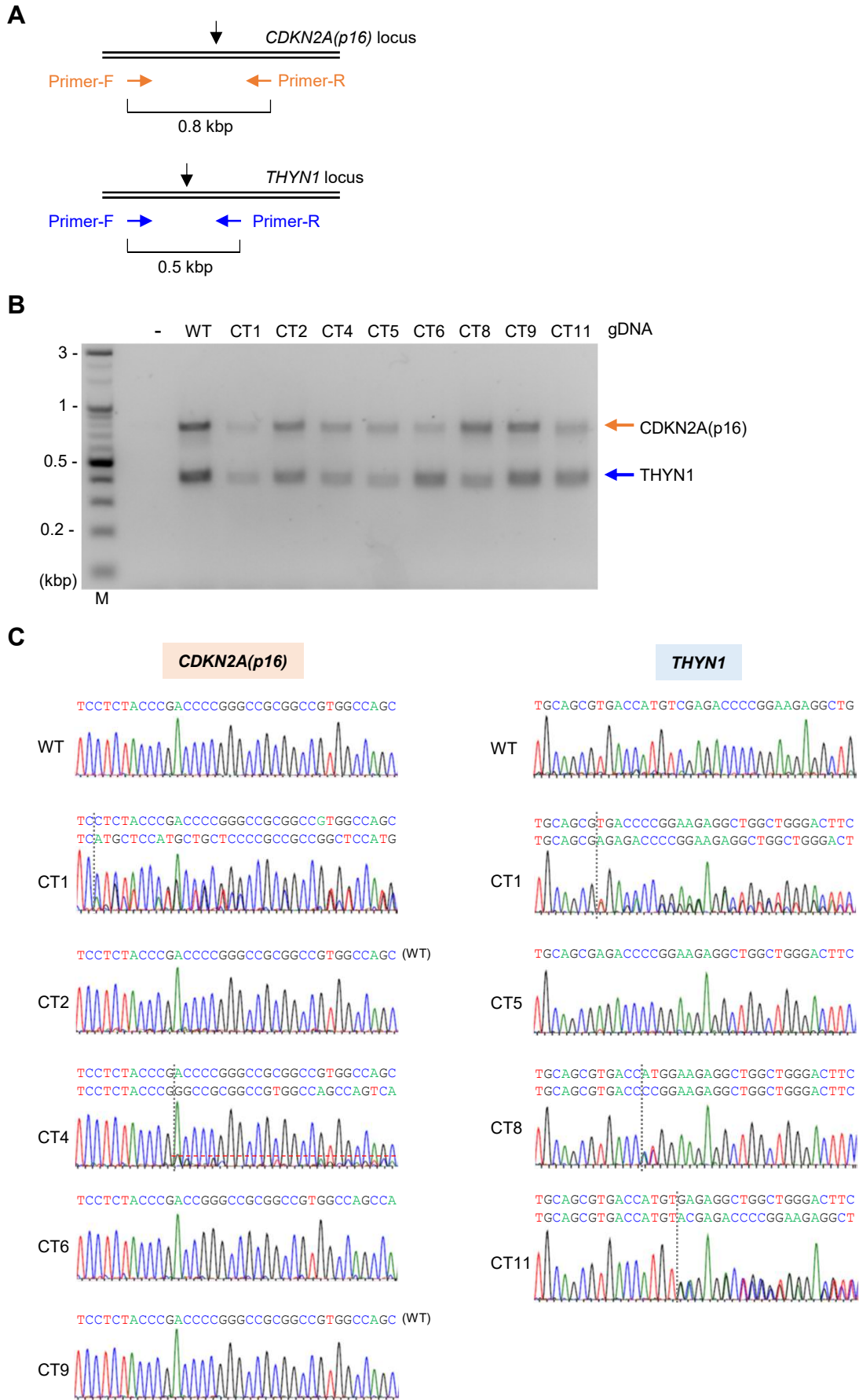
A



B



Supplementary Figure S9



Supplementary Figure S10

CDKN2A(p16)

↓

WT | 5' - . . GCCTTCGGCTGACTGGCTGGCCACGGCCGCGGCCCGGGGTCGGGTAGAGGAGGTGC . . -3'
5' - . . GCCTTCGGCTGACTGGCTGGCCACGGCCGCGGCCCGGGGTCGGGTAGAGGAGGTGC . . -3'

CT1 | 5' - . . GCCTTCGGCTGACTGGCTGGCCACGGCCGCGGCCCGGGGTCGGGTAGAGGAGGTGC . . -3' deletion
5' - . . GCAT-----GAGGTGC . . -3' deletion

CT4 | 5' - . . GCCTTCGGCTGACTGGCTGGCCACGGCCGCGGCCCGGGGTCGGGTAGAGGAGGTGC . . -3'
5' - . . GCCTTCGGCTGACTGGCTGGCCACGGCCGCGGCC-----CGGGTAGAGGAGGTGC . . -3' deletion

CT6 | 5' - . . GCCTTCGGCTGACTGGCTGGCCACGGCCGCGGCCCG--GTCGGGTAGAGGAGGTGC . . -3' deletion
5' - . . GCCTTCGGCTGACTGGCTGGCCACGGCCGCGGCCCG--GTCGGGTAGAGGAGGTGC . . -3' deletion

THYN1

↓

WT | 5' - . . GCACTAAAGTCCCCTGCAGCGTGA~~CCAT~~GTTCGAGACCCCCGGAAGAGGCTGGC . . -3'
5' - . . GCACTAAAGTCCCCTGCAGCGTGA~~CCAT~~GTTCGAGACCCCCGGAAGAGGCTGGC . . -3'

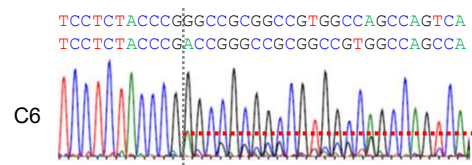
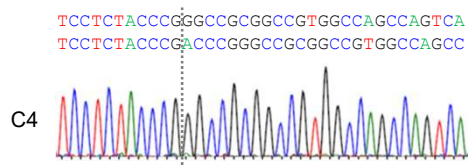
CT1 | 5' - . . GCACTAAAGTCCCCTGCAGCGT-----GACCCCCGGAAGAGGCTGGC . . -3' deletion
5' - . . GCACTAAAGTCCCCTGCAGCG-----AGAGACCCCCGGAAGAGGCTGGC . . -3' deletion

CT5 | 5' - . . GCACTAAAGTCCCCTGCAGCG-----AGACCCCCGGAAGAGGCTGGC . . -3' deletion
5' - . . GCACTAAAGTCCCCTGCAGCG-----AGACCCCCGGAAGAGGCTGGC . . -3' deletion

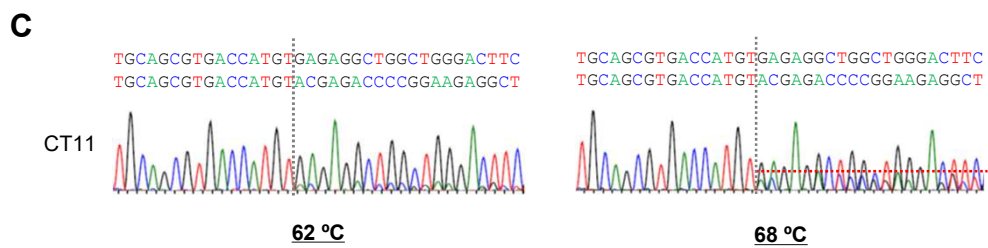
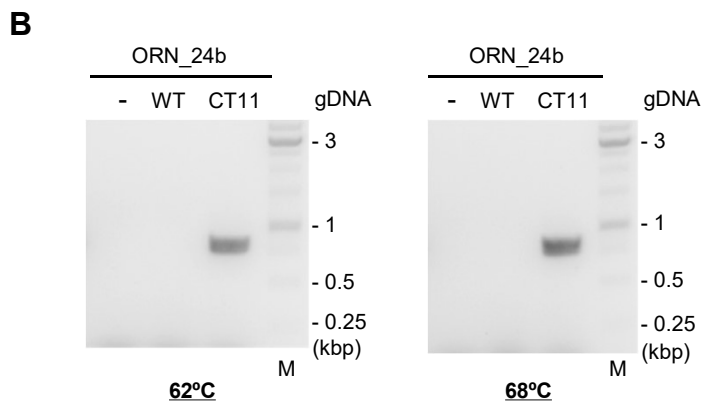
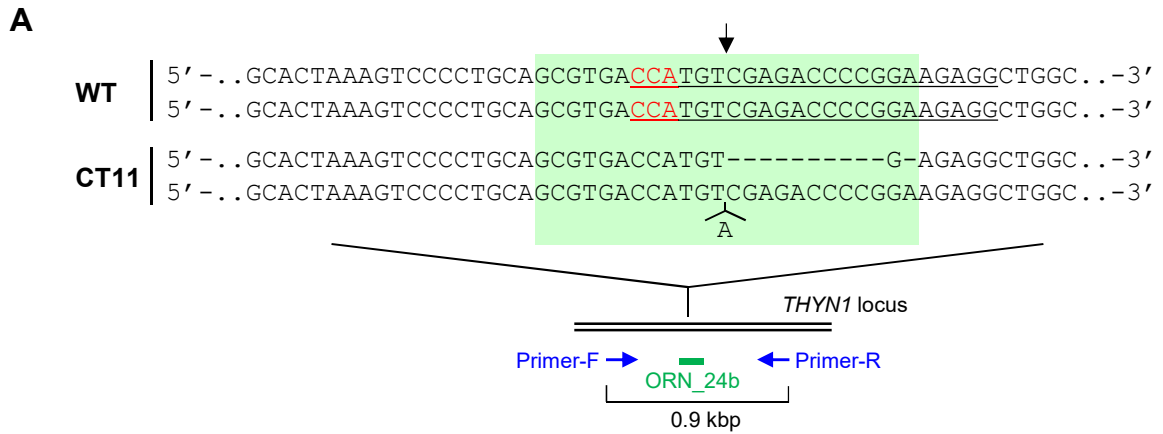
CT8 | 5' - . . GCACTAAAGTCCCCTGCAGCGTGACCAT-----GGAAGAGGCTGGC . . -3' deletion
5' - . . GCACTAAAGTCCCCTGCAGCGTGA-----CCCCGGAAGAGGCTGGC . . -3' deletion

CT11 | 5' - . . GCACTAAAGTCCCCTGCAGCGTGACCATGT-----G-AGAGGCTGGC . . -3' deletion
5' - . . GCACTAAAGTCCCCTGCAGCGTGACCATGTTCGAGACCCCCGGAAGAGGCTGGC . . -3' insertion
A

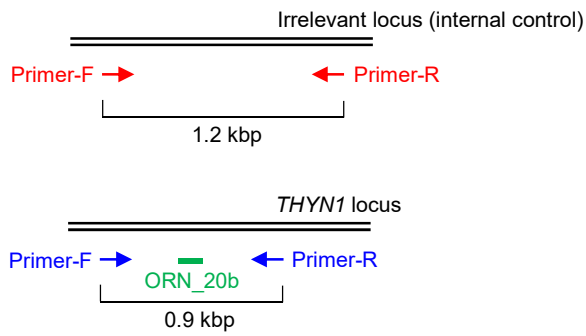
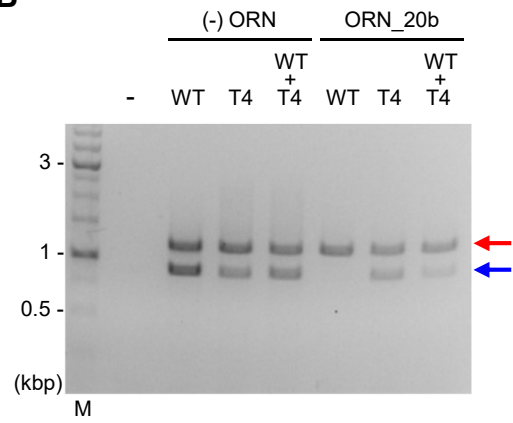
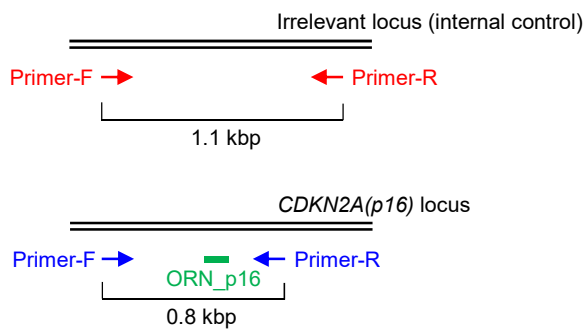
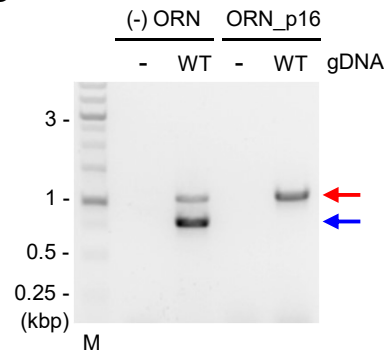
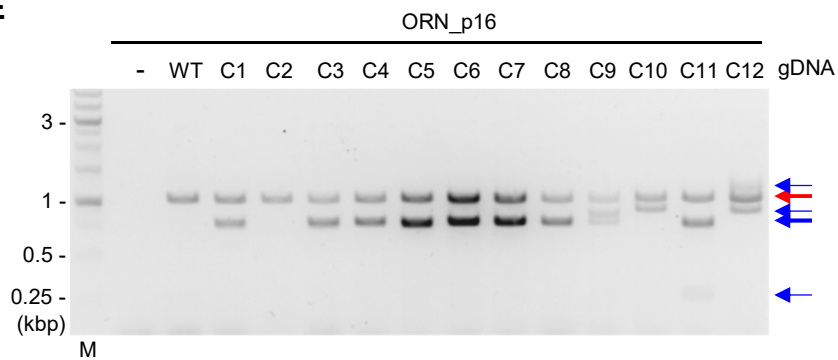
Supplementary Figure S11



Supplementary Figure S12



Supplementary Figure S13

A**B****C****D****E****Supplementary Figure S14**