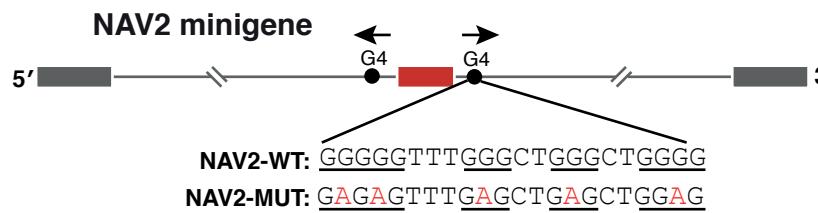


A

B



NAV2-WT

NAV2-MULT

NAV2 minigen

A schematic diagram of a G-quadruplex structure. It consists of four parallel horizontal strands of DNA/RNA. The top strand is grey, and the bottom strand is red. Black dots representing guanine bases are clustered at the ends of the strands, forming a G-quadruplex. A double slash symbol is placed between the second and third strands from the left, indicating a cleavage site.

C

5' [grey] —||— [red] —●— [orange] —||— [orange] —||— [grey] 3'

SLC6A17-WT

640 . 650 . 660 . 670 . 680 . 690 . 700 . 710 . 720 . 730 . 740 . 750 . 760 . 770 . 780 . 790 . 800 . 810
CGCTCAGTTGGCCACCCCTGTGTTCTGGCTGGCTCAAGGCCAACATCATGAGAGGTGTGGTCA-
CGCTCAGTTGGCCACCCCTGTGTTCTGGCTGGCTTCAGGCCAACATCATGAGAGGTGTGGTCA-
CGCTCAGTTGGCCACCCCTGTGTTCTGGCTGGCTTCAGGCCAACATCATGAGAGGTGTGGTCA-
CGCTCAGTTGGCCACCCCTGTGTTCTGGCTGGCTTCAGGCCAACATCATGAGAGGTGTGGTCA-
CGCTCAGTTGGCCACCCCTGTGTTCTGGCTGGCTTCAGGCCAACATCATGAGAGGTGTGGTCA-

SLC6A17-MUT

D

8

replicate #1

	RT+	RT-
NT	band	band
SLC6A17	band	no band
SLC6A17*	band	no band

replicate #2

	RT+	RT-
NT	band	band
SLC6A17	band	no band
SLC6A17*	band	no band

