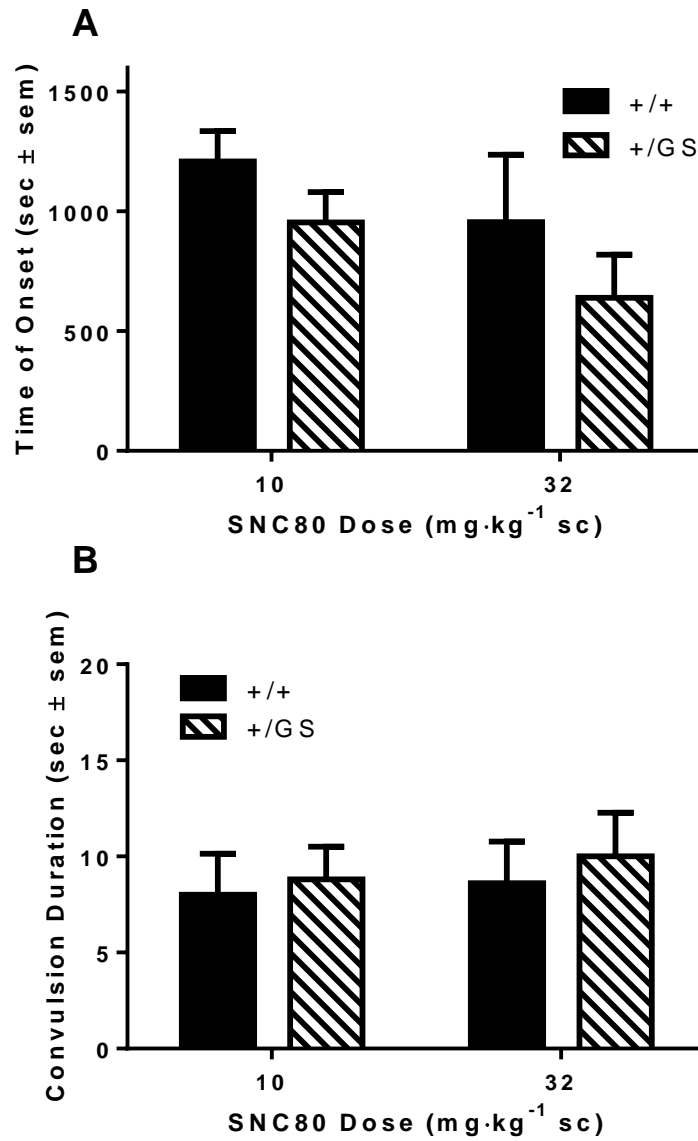
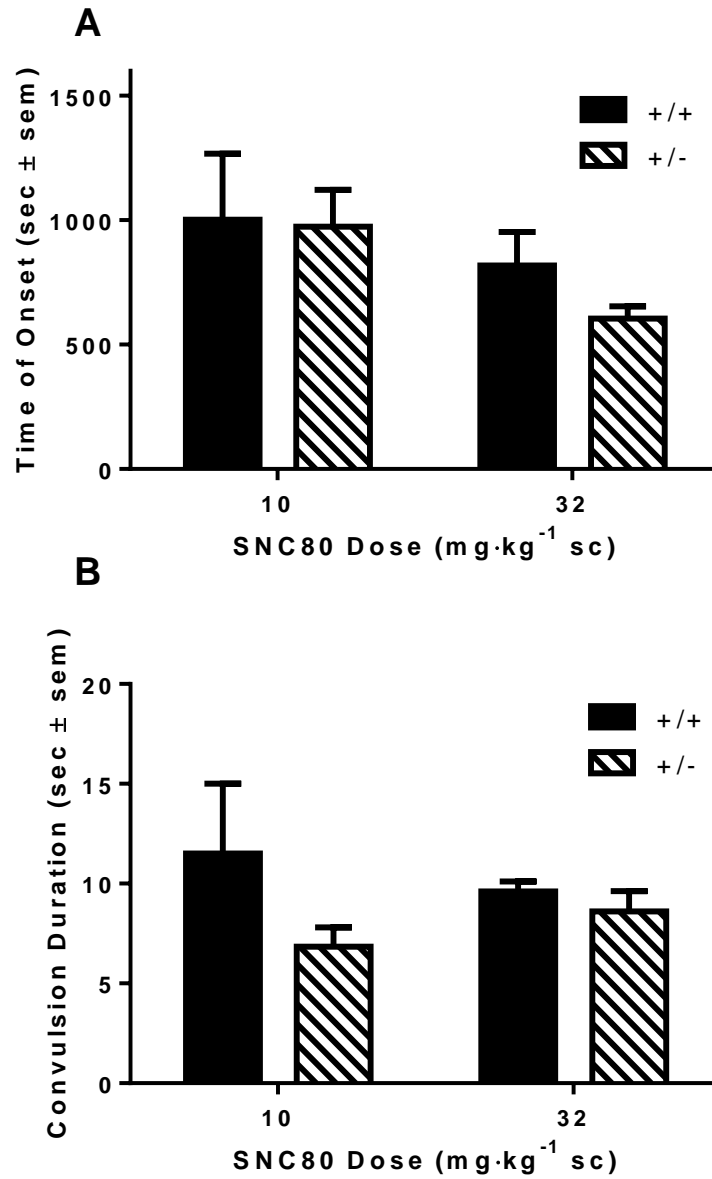


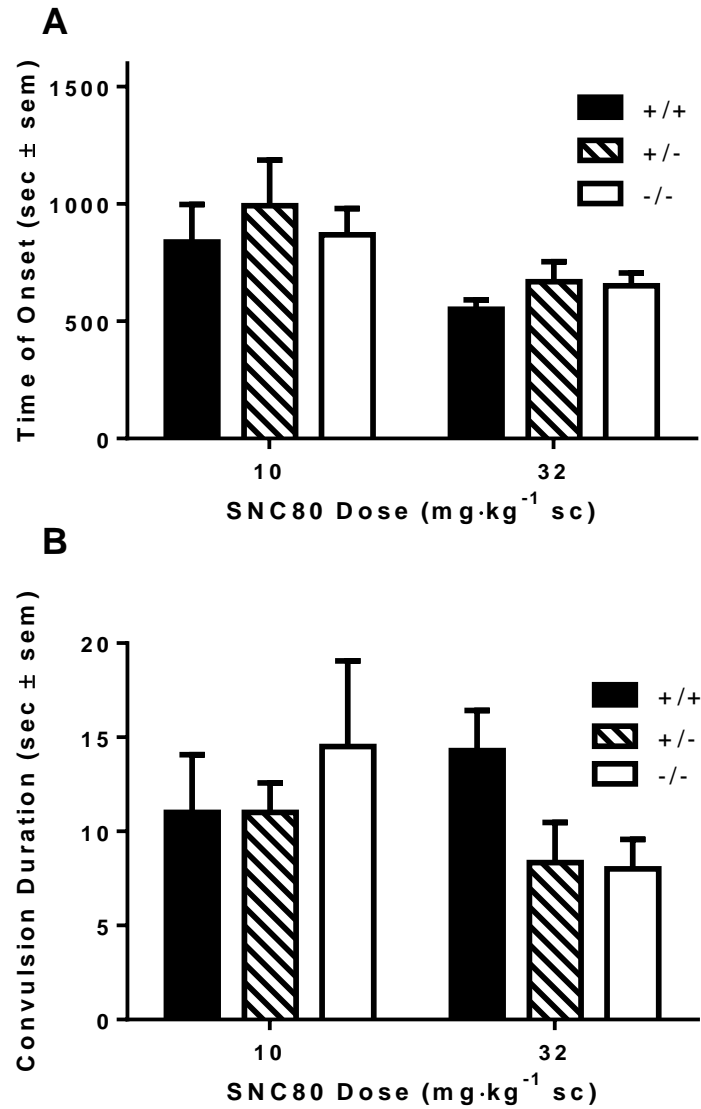
Supplemental Figure 1. NTG does not alter SNC80-induced convulsions. Male and female C57BL6 wild-type mice were given 10 mg·kg⁻¹ NTG or vehicle (0.9% saline) ip 60 min prior to an sc injection of SNC80 or vehicle. Mice were then observed for 30 min for convulsive behaviors. NTG pretreatment did not significantly alter the severity of SNC80 convulsion relative to mice that received a saline pretreatment.



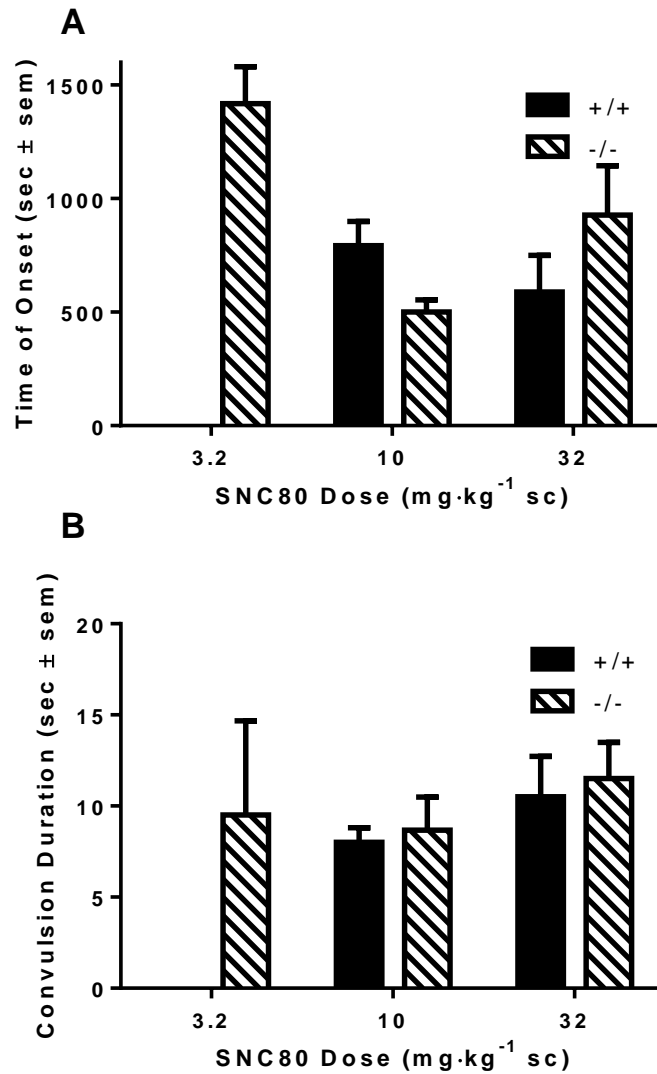
Supplemental Figure 2. The time of onset (A) and duration (B) of SNC80-induced convulsions is not significantly altered in $G\alpha_o$ RGS-insensitive heterozygous mice ($+/GS$) compared to wild-type littermates ($+/+$).



Supplemental Figure 3. The time of onset (A) and duration (B) of SNC80-induced convulsions is not significantly altered in $G\alpha_o$ heterozygous knockout mice (+/-) compared to wild-type littermates (+/+).



Supplemental Figure 4. The time of onset (A) and duration (B) of SNC80-induced convulsions is not significantly altered in arrestin 3 heterozygous (+/-) or homozygous (-/-) knockout mice compared to wild-type littermates (+/+).



Supplemental Figure 5. The time of onset (A) and duration (B) of SNC80-induced convulsions is not significantly altered in arrestin 2 knockout mice (-/-) compared to wild-type littermates (+/+). If a mouse exhibited multiple convulsions, only data related to the first convulsion are shown.



Supplemental Figure 6. Loss of arrestin 2 does not alter the potency of PTZ to induce convulsions.