



**Fig.S8 NMDA receptors formed with the wild type GluN2A (N) or the mutant GluN2A(Q) subunit.**

In Cre-expressing cells of *GluN2A+/flox* mice, NMDA receptors will consist of the three populations (middle column). Left column and right column shows the *GluN2A+/flox* and *GluN2A<sup>flox</sup>/flox-TDGCre* mice respectively.