**Supplementary Table 1.** Effects of C-linker insertion/deletion mutations on the voltage required for half channel activation (V0.5) of hSlo1 in absence of Ca2+ and Mg2+ (data extracted from: Niu et al, 2004). The position of insertion (S337) is colored red.

|  |  |  |
| --- | --- | --- |
| **Mutation** | **V0.5 (mV)** | **C-linker Sequence** |
| -3 | 121 | RKKYGG - - - AVSGRK |
| -1 | 132 | RKKYGGSY- AVSGRK |
| WT | 184 | RKKYGGSY**S**AVSGRK |
| +3 | 210 | RKKYGGSY**S**AAGAVSGRK |
| +6 | 246 | RKKYGGSY**S**AAGAAGAVSGRK |
| +12 | 326 | RKKYGGSY**S**AAGAAGAAGAAGAVSGRK |