Source Data for Figure 3D-F

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| For Muscle 14 | Genotype | Number of values | Mean | Std. Deviation | Std. Error of Mean | p value |
| EPSP (mV) | NB3-1/+ | 8 | 24.38 | 3.187 | 1.127 | NA |
| Figure H | NB3-1>Hb | 8 | 22.72 | 5.701 | 2.016 | 0.4863 |
|  |  |  |  |  |  |  |
| mEPSP amp. (mV) | NB3-1/+ | 8 | 1.116 | 0.2278 | 0.08054 | NA |
| Figure I | NB3-1>Hb | 8 | 0.7287 | 0.06789 | 0.02400 | 0.0016\*\* |
|  |  |  |  |  |  |  |
| Quantal Content | NB3-1/+ | 8 | 22.59 | 5.405 | 1.911 | NA |
| Figure J | NB3-1>Hb | 8 | 31.32 | 8.294 | 2.932 | 0.0281\*\* |

Source Data for Figure 3I-K

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| For Muscle 6 | Genotype | Number of values | Mean | Std. Deviation | Std. Error of Mean | p value |
| EPSP (mV) |  NB3-1/+ | 17 | 36.45 | 4.690 | 1.138 | NA |
| Figure C | NB3-1>Hb | 21 | 22.94 | 10.37 | 2.262 | <0.0001\*\* |
|  |  |  |  |  |  |  |
| mEPSP amp. (mV) | NB3-1/+ | 16 | 1.083 | 0.1875 | 0.04689 | NA |
| Figure D | NB3-1>Hb | 21 | 1.207 | 0.2242 | 0.04892 | 0.0743 |
|  |  |  |  |  |  |  |
| Quantal Content | NB3-1/+ | 16 | 35.15 | 8.8154 | 2.038 | NA |
| Figure E | NB3-1>Hb | 21 | 19.36 | 8.828 | 1.926 | <0.0001\* |

\* Unpaired t test

\*\*Unpaired t-test, with Welch’s correction (for un-equal Std. Deviation)