

Supplemental Figure 4

Comparison of motor behavior of mice genetically altered at a single locus (P23)

| Parameter | GluR1 ^{+/+} (N=10) | Hb9-Cre (N=16) | GluR1 ^{Loxp/LoxP} (N=11) | $F_{(2,34)} \cdot p$ |
|--------------------------------|--------------------------------|-------------------|--------------------------------------|----------------------|
| Rota rod (sec.) | 335 ± 85 | 326 ± 125 | 328 ± 101 | 0.02197; 0.9783 |
| Treadmill (min). | 79 ± 18 | 77 ± 17 | 75 ± 14 | 0.1390; 0.8707 |
| Grip Strength (fore limb, Kg.) | 0.065 ± 0.006 | 0.064 ± 0.011 | 0.066 ± 0.009 | 0.5005; 0.6106 |
| Grip Strength (hind limb, Kg.) | 0.025 ± 0.004 | 0.025 ± 0.007 | 0.027 ± 0.006 | 0.2830; 0.7553 |