**Table S4. Tabular Results and multiple comparisons of two-way repeated measures ANOVA for ERG b-wave amplitudes four weeks following induction of I307N *Rho* degeneration**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table Analyzed | 4wk scotopic b - wave |  |  |  |  |
|  |  |  |  |  |  |
| Two-way RM ANOVA | Matching: Stacked |  |  |  |  |
| Alpha | 0.05 |  |  |  |  |
|  |  |  |  |  |  |
| **Source of Variation** | **% of total variation** | **P value** | **P value summary** | **Significant?** |  |
| Interaction | 7.885 | <0.0001 | \*\*\*\* | Yes |  |
| Flash Intensity | 48.88 | <0.0001 | \*\*\*\* | Yes |  |
| Treatment | 28.36 | 0.0001 | \*\*\* | Yes |  |
| Subjects (matching) | 13.55 | <0.0001 | \*\*\*\* | Yes |  |
|  |  |  |  |  |  |
| **ANOVA table** | **SS** | **DF** | **MS** | **F (DFn, DFd)** | **P value** |
| Interaction | 87264 | 12 | 7272 | F (12, 72) = 10.06 | P<0.0001 |
| Flash Intensity | 541026 | 4 | 135256 | F (4, 72) = 187.2 | P<0.0001 |
| Treatment | 313917 | 3 | 104639 | F (3, 18) = 12.56 | P=0.0001 |
| Subjects (matching) | 149983 | 18 | 8332 | F (18, 72) = 11.53 | P<0.0001 |
| Residual | 52031 | 72 | 722.7 |  |  |
|  |  |  |  |  |  |
| Number of missing values | 0 |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Within each row, compare columns (simple effects within rows) |  |  |  |
|  |  |  |  |
| Number of families | 5 |  |  |
| Number of comparisons per family | 6 |  |  |
| Alpha | 0.05 |  |  |
|  |  |  |  |
| **Newman-Keuls multiple comparisons test** | **Mean Diff.** | **Significant?** | **Summary** |
|  |  |  |  |
| 0.00039 |  |  |  |
| active induced vs. inactive induced | -4.875 | No | ns |
| active induced vs. active uninduced | -33.05 | No | ns |
| active induced vs. inactive uninduced | -24.85 | No | ns |
| inactive induced vs. active uninduced | -28.17 | No | ns |
| inactive induced vs. inactive uninduced | -19.98 | No | ns |
| active uninduced vs. inactive uninduced | 8.193 | No | ns |
|  |  |  |  |
| 0.00374 |  |  |  |
| active induced vs. inactive induced | 12.35 | No | ns |
| active induced vs. active uninduced | -71.18 | No | ns |
| active induced vs. inactive uninduced | -39.95 | No | ns |
| inactive induced vs. active uninduced | -83.53 | Yes | \* |
| inactive induced vs. inactive uninduced | -52.3 | No | ns |
| active uninduced vs. inactive uninduced | 31.23 | No | ns |
|  |  |  |  |
| 0.058 |  |  |  |
| active induced vs. inactive induced | 42.51 | No | ns |
| active induced vs. active uninduced | -125.1 | Yes | \*\*\* |
| active induced vs. inactive uninduced | -66.27 | Yes | \* |
| inactive induced vs. active uninduced | -167.6 | Yes | \*\*\*\* |
| inactive induced vs. inactive uninduced | -108.8 | Yes | \*\*\* |
| active uninduced vs. inactive uninduced | 58.8 | No | ns |
|  |  |  |  |
| 0.961 |  |  |  |
| active induced vs. inactive induced | 66.69 | Yes | \* |
| active induced vs. active uninduced | -149.2 | Yes | \*\*\*\* |
| active induced vs. inactive uninduced | -74.27 | Yes | \*\* |
| inactive induced vs. active uninduced | -215.9 | Yes | \*\*\*\* |
| inactive induced vs. inactive uninduced | -141 | Yes | \*\*\*\* |
| active uninduced vs. inactive uninduced | 74.91 | Yes | \* |
|  |  |  |  |
| 24.9 |  |  |  |
| active induced vs. inactive induced | 57.56 | Yes | \* |
| active induced vs. active uninduced | -177.9 | Yes | \*\*\*\* |
| active induced vs. inactive uninduced | -101.1 | Yes | \*\*\* |
| inactive induced vs. active uninduced | -235.5 | Yes | \*\*\*\* |
| inactive induced vs. inactive uninduced | -158.6 | Yes | \*\*\*\* |
| active uninduced vs. inactive uninduced | 76.84 | Yes | \* |