**Supplementary File 1**: Table of non-significant results illustrated in Figure 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Measure** | **Source** | **df** | **F** | **p** | **partial η2** |
| **Male** **PL5****Innervation** | Age | 2 | 1.097 | 0.343 | 0.051 |
| Rearing | 1 | 0.375 | 0.544 | 0.009 |
| Age x Rearing | 2 | 1.695 | 0.196 | 0.076 |
| Error | 41 |  |  |  |
| **Male****PL2****Innervation** | Age | 2 | 1.665 | 0.202 | 0.075 |
| Rearing | 1 | 4.365 | 0.043 | 0.096 |
| Age x Rearing | 2 | 3.236 | 0.05 | 0.136 |
| Error | 41 |  |  |  |
| **IL****Innervation** | Sex | 1 | 0.567 | 0.454 | 0.007 |
| Age | 2 | 2.111 | 0.128 | 0.051 |
| Rearing | 1 | 3.321 | 0.072 | 0.040 |
| Age x Rearing | 2 | 1.353 | 0.264 | 0.033 |
| Sex x Rearing | 1 | 1.007 | 0.319 | 0.013 |
| Age x Sex x Rearing | 2 | 1.922 | 0.153 | 0.046 |
| Error | 79 |  |  |  |
| **Female****IL****Innervation** | Age | 2 | 0.179 | 0.837 | 0.009 |
| Rearing | 1 | 3.627 | 0.064 | 0.087 |
| Age x Rearing | 2 | 2.213 | 0.123 | 0.104 |
| Error | 39 |  |  |  |
| **IL5****Innervation** | Sex | 1 | 1.379 | 0.244 | 0.017 |
| Age | 2 | 1.913 | 0.154 | 0.046 |
| Rearing | 1 | 1.740 | 0.191 | 0.022 |
| Age x Rearing | 2 | 1.778 | 0.176 | 0.043 |
| Sex x Rearing | 1 | 1.460 | 0.230 | 0.018 |
| Age x Sex x Rearing | 2 | 1.756 | 0.179 | 0.043 |
| Error | 79 |  |  |  |