**Table S3. Response latencies (ms) and refractory period of GFS of *w1118* and *DSC1a* flies measured at different time points of heat shock process (mean ± SD)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | Heat Shock Time | | | |
|  | | RT | 5 min | 10 min | 15 min |
| SL | *w1118* | 1.2 ± 0.2 (n=17) | 1.0 ± 0.1 (n=5) | 1.0 ± 0.1 (n=5) | 1.5 ± 0.2 (n=10) |
|  | *DSC1a* | 1.2 ± 0.2 (n=17) | 1.0 ± 0.2 (n=5) | 1.2 ± 0.0 (n=5) | 1.4 ± 0.1 (n=10) |
| SLRP | *w1118* | 5.9 ± 1.2 (n=20) | 7.6 ± 0.9 (n=5) | 8.0 ± 1.6 (n=5) | 8.5 ± 1.9 (n=11) |
|  | *DSC1a* | 6.5 ± 1.0 (n=23) | 6.2 ± 1.6 (n=5) | 8.8 ± 1.6 (n=5) | 9.8 ± 2.3 (n=11) |
| LL | *w1118* | 3.8 ± 0.4 (n=22) | 3.8 ± 0.3 (n=7) | 3.9 ± 0.4 (n=9) | 3.5 ± 0.1 (n=7) |
|  | *DSC1a* | 3.8 ± 0.3 (n=24) | 3.6 ± 0.2 (n=5) | 3.9 ± 0.3 (n=8) | 3.4 ± 0.1 (n=11) |
| LLRP | *w1118* | 46.0 ± 9.3 (n=21) | 39.1 ± 5.2 (n=9) | 44.3 ± 8.0 (n=9) | 26.9 ± 7.0 (n=7) |
|  | *DSC1a* | 46.8 ± 15.9 (n=25) | 31.0 ± 4.8 (n=8) | 23.4 ± 2.8 (n=8) | 23.6 ± 3.1 (n=11) |