**Supplementary File 5.** Tests for stationarity in the larva movement pattern data within treatments.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Treatment | First half | n | Second half | n | p-value | test |
| BL/+ 22 Deg  | 1.47 | 21 | 1.41 | 22 | 0.932 | Rank sum |
| BL/+ 33 Deg  | 1.37 | 18 | 1.42 | 20 | 0.759 | Rank sum |
| BLsens-shi  | 1.84 | 7 | 2.16 | 5 | 0.106 | Rank sum |
| BL-shi  | 1.77 | 16 | 1.56 | 13 | 0.228 | Rank sum |
| MB247/+  | 1.63 | 19 | 1.51 | 15 | 0.375 | t |
| MB247-shi  | 1.58 | 16 | 1.58 | 19 | 0.882 | Rank sum |
| BLsens-rprhid  | 2.10 | 14 | 2.17 | 15 | 0.710 | t |
| BLsens-rprhid\_control  | 1.41 | 45 | 1.47 | 53 | 0.148 | Rank sum |
| shi/+ 22 Deg  | 1.46 | 25 | 1.57 | 24 | 0.342 | Rank sum |
| shi/+ 33 Deg  | 1.50 | 32 | 1.45 | 31 | 0.268 | Rank sum |