|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Control** | | **Land side low** | | **Sea side low** | |
| **Number in high CO2** | **Number in low CO2** | **Number in high CO2** | **Number in low CO2** | **Number in high CO2** | **Number in low CO2** |
| 1 | 2 | 3.0000 | 1.0000 | 3.0000 | 6.0000 |
| 3 | 2 | 3.0000 | 4.0000 | 3.0000 | 7.0000 |
| 5 | 8 | 3.0000 | 9.0000 | 4.0000 | 3.0000 |
| 12 | 7 | 6.0000 | 2.0000 | 4.0000 | 5.0000 |
| 9 | 12 | 5.0000 | 11.0000 | 6.0000 | 11.0000 |
|  |  | 5.0000 | 13.0000 | 7.0000 | 4.0000 |
|  |  | 7.0000 | 6.0000 | 7.0000 | 5.0000 |
|  |  | 8.0000 | 7.0000 | 8.0000 | 3.0000 |
|  |  | 11.0000 | 8.0000 | 8.0000 | 5.0000 |
|  |  | 11.0000 | 13.0000 | 8.0000 | 6.0000 |
|  |  | 12.0000 | 10.0000 | 9.0000 | 8.0000 |
|  |  | 12.0000 | 13.0000 | 16.0000 | 9.0000 |
|  |  | 13.0000 | 15.0000 | 16.0000 | 12.0000 |
|  |  | 17.0000 | 11.0000 | 19.0000 | 13.0000 |

**S3 Data. Distribution of midges (*Pontomyia oceana*) at the two ends in the CO2-gradient experiment.** No difference was found between the two ends in any group.