Table 1: differences between pH means per half transect assigned to significance groups (1-5) based on p-value (**α= 0.05)**

| Name | emmean | SE | df | lower.CL | upper.CL | .group |
| --- | --- | --- | --- | --- | --- | --- |
| S34T1A | 4.290000 | 0.09503289 | 48 | 4.098924 | 4.481076 | 1 |
| S34T1B | 4.298333 | 0.09503289 | 48 | 4.107257 | 4.489410 | 1 |
| S34T2B | 4.456667 | 0.09503289 | 48 | 4.265590 | 4.647743 | 12 |
| S34T2A | 4.863333 | 0.09503289 | 48 | 4.672257 | 5.054410 | 23 |
| S8T2B | 4.871667 | 0.09503289 | 48 | 4.680590 | 5.062743 | 23 |
| S7T1B | 4.921667 | 0.09503289 | 48 | 4.730590 | 5.112743 | 234 |
| S10T2A | 4.958333 | 0.09503289 | 48 | 4.767257 | 5.149410 | 234 |
| S8T2A | 4.985000 | 0.09503289 | 48 | 4.793924 | 5.176076 | 34 |
| S7T2A | 4.988333 | 0.09503289 | 48 | 4.797257 | 5.179410 | 34 |
| S8T1B | 5.001667 | 0.09503289 | 48 | 4.810590 | 5.192743 | 34 |
| S7T2B | 5.013333 | 0.09503289 | 48 | 4.822257 | 5.204410 | 34 |
| S12T2A | 5.015000 | 0.09503289 | 48 | 4.823924 | 5.206076 | 34 |
| S7T1A | 5.056667 | 0.09503289 | 48 | 4.865590 | 5.247743 | 34 |
| S8T1A | 5.160000 | 0.09503289 | 48 | 4.968924 | 5.351076 | 345 |
| S12T2B | 5.213333 | 0.09503289 | 48 | 5.022257 | 5.404410 | 345 |
| S26T2B | 5.255000 | 0.09503289 | 48 | 5.063924 | 5.446076 | 345 |
| S10T2B | 5.255000 | 0.09503289 | 48 | 5.063924 | 5.446076 | 345 |
| S12T1B | 5.258333 | 0.09503289 | 48 | 5.067257 | 5.449410 | 345 |
| S10T1A | 5.275000 | 0.09503289 | 48 | 5.083924 | 5.466076 | 345 |
| S12T1A | 5.330000 | 0.09503289 | 48 | 5.138924 | 5.521076 | 345 |
| S10T1B | 5.343333 | 0.09503289 | 48 | 5.152257 | 5.534410 | 345 |
| S26T2A | 5.373333 | 0.09503289 | 48 | 5.182257 | 5.564410 | 345 |
| S26T1B | 5.393333 | 0.09503289 | 48 | 5.202257 | 5.584410 | 45 |
| S26T1A | 5.650000 | 0.09503289 | 48 | 5.458924 | 5.841076 | 5 |