Supplemental Materials 8. *Results of ANOVA comparing percent MNI for small tidal-zone gastropods by site feature. Highlighted cells indicate statistically significant results (p<0.05).*

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| --- | --- | --- | --- | --- | --- |
| Test for equal means: | Sum of sqrs | df | Mean square | F | p (same) |
| Between groups: | 20409.2 | 4 | 5102.31 | 11.77 | 6.76E-08 |
| Within groups: | 44233.6 | 102 | 433.663 | Permutation p (n=99999) |  |
| Total: | 64642.9 | 106 | 1.00E-05 |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 95% CI for group differences  (multiple-t) | midden areas (PC3) | platform mound | bird mound | shoreline ridge | sub-mound shell platform |
| midden areas (PC3) |  | -17.89; 29.95 | -20.28; 27.56 | -44.07; -6.342 | -46.88; -6.283 |
| platform mound | -29.95; 17.89 |  | -26.79; 22 | -50.69; -11.77 | -53.46; -11.76 |
| bird mound | -27.56; 20.28 | -22; 26.79 |  | -48.3; -9.381 | -51.07; -9.364 |
| shoreline ridge | 6.342; 44.07 | 11.77; 50.69 | 9.381; 48.3 |  | -16.16; 13.4 |
| sub-mound shell platform | 6.283; 46.88 | 11.76; 53.46 | 9.364; 51.07 | -13.4; 16.16 |  |

|  |  |
| --- | --- |
| Kruskal-Wallis test for equal medians |  |
| H (chi2): | 44.98 |
| Hc (tie corrected): | 45.24 |
| p (same): | 3.54E-09 |
| There is a significant difference between sample medians | |

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| --- | --- | --- | --- | --- | --- |
| Mann-Whitney pairwise test (Sequential Bonferroni significance) | midden areas (PC3) | platform mound | bird mound | shoreline ridge | sub-mound shell platform |
| midden areas (PC3) |  | 0.754 | 0.7953 | 6.54E-05 | 0.002225 |
| platform mound | 0.754 |  | 0.3637 | 8.92E-07 | 0.0001227 |
| bird mound | 0.7953 | 0.3637 |  | 7.31E-06 | 0.000471 |
| shoreline ridge | 6.54E-05 | 8.92E-07 | 7.31E-06 |  | 0.8079 |
| sub-mound shell platform | 0.002225 | 0.0001227 | 0.000471 | 0.8079 |  |