Table S6. Results of second-stage analysis for stations from 700, 1000 and 1200 m water depth strata showing meiofaunal abundance and diversity between habitats and sediment depths for Hikurangi Margin. [Abundance shown in total meiofauna individuals per 10 cm2; diversity as meiofaunal taxon richness].

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Stations | Abundance | Diversity |  | Abundance | Diversity | Strata (m) |
| **Surface sediment (0–1 cm)** | | |  | **Subsurface sediment (1–5 cm)** | | |
| ***Canyon*** |  |  |  |  |  |  |
| 31\_1 | 514 | 7 |  | 1236 | 5 | 700 |
| 31\_2 | 400 | 6 |  | 2231 | 6 | 700 |
| 31\_3 | 236 | 6 |  | 2467 | 7 | 700 |
| 58\_3 | 418 | 7 |  | 2207 | 8 | 700 |
| 58\_6 | 518 | 6 |  | 2116 | 8 | 700 |
| 58\_7 | 241 | 5 |  | 2101 | 8 | 700 |
| 92\_2 | 712 | 6 |  | 780 | 5 | 700 |
| 92\_4 | 418 | 6 |  | 1089 | 4 | 700 |
| 27\_4 | 571 | 7 |  | 1653 | 9 | 1000 |
| 27\_6 | 1040 | 8 |  | 905 | 7 | 1000 |
| 27\_8 | 1364 | 9 |  | 1312 | 6 | 1000 |
| 53\_3 | 416 | 6 |  | 249 | 4 | 1000 |
| 62\_6 | 416 | 5 |  | 771 | 5 | 1200 |
| 62\_7 | 656 | 7 |  | 980 | 6 | 1200 |
| 62\_8 | 403 | 6 |  | 441 | 4 | 1200 |
| 97\_1 | 799 | 4 |  | 748 | 6 | 1000 |
| 98\_1 | 648 | 5 |  | 641 | 3 | 1000 |
| 98\_2 | 341 | 5 |  | 528 | 4 | 1000 |
| 22\_1 | 752 | 6 |  | 908 | 7 | 1200 |
| 22\_2 | 641 | 6 |  | 667 | 4 | 1200 |
| 22\_5 | 654 | 6 |  | 1025 | 7 | 1200 |
| 127\_3 | 516 | 5 |  | 827 | 3 | 1200 |
| **Average** | 576 | 6.1 |  | 1176 | 5.7 |  |
|  |  |  |  |  |  |  |
| ***Seamount*** |  |  |  |  |  |  |
| 69\_1 | 369 | 6 |  | 812 | 8 | 700 |
| 69\_2 | 379 | 4 |  | 443 | 2 | 700 |
| 69\_5 | 430 | 5 |  | 852 | 4 | 700 |
| 72\_1 | 286 | 6 |  | 639 | 5 | 1000 |
| 72\_4 | 601 | 5 |  | 313 | 8 | 1000 |
| 72\_8 | 160 | 6 |  | 415 | 4 | 1000 |
| 130\_4 | 456 | 8 |  | 381 | 4 | 1000 |
| **Average** | 383 | 5.7 |  | 551 | 5.0 |  |
|  |  |  |  |  |  |  |
| ***Seep*** |  |  |  |  |  |  |
| 84\_8\_R1 | 290 | 7 |  | 1276 | 6 | 1000 |
| 84\_8\_R2 | 388 | 8 |  | 273 | 4 | 1000 |
| 86\_9\_R1 | 317 | 8 |  | 528 | 5 | 1000 |
| 86\_9\_R2 | 782 | 8 |  | 309 | 5 | 1000 |
| 112\_10\_R1 | 392 | 8 |  | 592 | 6 | 1000 |
| 112\_10\_R2 | 1136 | 9 |  | 669 | 7 | 1000 |
| 116\_15\_R1 | 1261 | 10 |  | 680 | 8 | 1000 |
| 116\_15\_R2 | 535 | 8 |  | 465 | 9 | 1000 |
| 118\_16\_R1 | 972 | 9 |  | 528 | 6 | 1000 |
| 118\_16\_R2 | 814 | 9 |  | 797 | 7 | 1000 |
| 123\_17\_R1 | 1195 | 9 |  | 546 | 7 | 1000 |
| 123\_17\_R2 | 840 | 6 |  | 514 | 4 | 1000 |
| **Average** | 744 | 8.3 |  | 598 | 6.2 |  |
|  |  |  |  |  |  |  |
| ***Slope*** |  |  |  |  |  |  |
| 44\_4 | 580 | 6 |  | 933 | 4 | 700 |
| 44\_5 | 269 | 5 |  | 814 | 7 | 700 |
| 44\_7 | 575 | 6 |  | 989 | 6 | 700 |
| 124\_4 | 699 | 5 |  | 773 | 5 | 700 |
| 124\_7 | 861 | 6 |  | 901 | 5 | 700 |
| 4\_4 | 710 | 7 |  | 997 | 5 | 1000 |
| 4\_5 | 714 | 8 |  | 1095 | 6 | 1000 |
| 4\_7 | 938 | 7 |  | 999 | 6 | 1000 |
| 41\_1 | 328 | 5 |  | 354 | 2 | 1000 |
| 41\_3 | 145 | 5 |  | 933 | 5 | 1000 |
| 41\_8 | 675 | 7 |  | 548 | 7 | 1000 |
| 76\_4 | 1214 | 7 |  | 671 | 6 | 1200 |
| 76\_5 | 816 | 9 |  | 379 | 7 | 1200 |
| 38\_2 | 1125 | 10 |  | 959 | 5 | 1200 |
| 38\_3 | 599 | 6 |  | 961 | 7 | 1200 |
| 38\_4 | 492 | 4 |  | 158 | 5 | 1200 |
| **Average** | 671 | 6.4 |  | 779 | 5.5 |  |