**Table X.** Summary of metagenome data for Organic Lake samples.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample ID** | **Collection date** | **Sampling location**  **(co-ordinates)** | **Depth (m)** | **Filter size (µm)** | **Total trimmed reads** | **Scaffolds over 10 kb (reads in these contigs)** | **Total Scaffolds**  **(reads assembled)** | **Annotated predicted ORFs from contigs (total ORFs)** |
| GS233 | December 2006 | Eastern shore (68º27'25.48"S, 78º11'28.06"E) | 0 | 0.1  0.8  3.0 | 418 265 (28 481 – Sanger + 389 784 – 454 )  443 569  481 340 | 45 (221 573)  117 (187 898)  53 (8 273) | 1 538 (291 964)  1 739 (351 289)  8 333 (125 728) | 7 318 (21 961) |
| GS374 | November 2008 | Deepest point (68º27'22.15"S, 78º11'23.95"E) | 1.7 | 0.1  0.8  3.0 | 494 573  472 635  158 121 | 5 (771)  68 (17 061)  4 (520) | 4 318 (63 194)  4 161 (126 519)  2 584 (39 591) | 33 262 (83 684) |
| GS375 | November 2008 | Deepest point (68º27'22.15"S, 78º11'23.95"E) | 4.2 | 0.1  0.8  3.0 | 541 962  472 570  321 112 | 2 (232)  80 (18 461)  69 (14 713) | 4 899 (80 316)  5 104 (127 243)  3 983 (98 102) |  |
| GS376 | November 2008 | Deepest point (68º27'22.15"S, 78º11'23.95"E) | 5.7 | 0.1  0.8  3.0 | 363 280  484 635  290 428 | 6 (1 801)  134 (29 903)  58 (10 231) | 2 342 (39 422)  6 820 (152 646)  3 571 (77 277) |  |
| GS377 | November 2008 | Deepest point (68º27'22.15"S, 78º11'23.95"E) | 6.5 | 0.1  0.8  3.0 | 497 363  465 381  187 045 | 14 (2 711)  57 (17 004)  51 (9 321) | 5 029 (80 520)  4 202 (129 193)  2 100 (60 636) |  |
| GS378 | November 2008 | Deepest point (68º27'22.15"S, 78º11'23.95"E) | 6.7 | 0.1  0.8  3.0 | 516 870  548 253  202 310 | 14 (3 422)  136 (32 889)  57 (11,167) | 3 694 (58 618)  6 957 (161 202)  2 304 (66 389) |  |
| GS379 | December 2008 | North-eastern shore (68º27'21.02"S 78º11'42.42"E) | 0 | 0.1  0.8  3.0 | 446 200  445 171  252 507 | 2 (1 495)  6 (721)  6 (1 060) | 1 840 (40 314)  4 947 (77 811)  3 956 (54 942) | 23 012 (64 779) |