|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Site | size (µm) | DddD  (%) | DddL  (%) | DddP  (%) | DmdA  (%) | Rhodopsin  (%) | PufLM  (%)a | RecA |
| Organic Lake (1.7 m) | 0.1  0.8  3.0 | 2 (9)  10 (36)  11 (50) | 4 (19)  10 (39)  5 (21) | 0  1 (2)  2 (7) | 0\* (2)  2 (7)  9 (43) | 1 (5)  5 (20)  12 (57) | 0\* (1)  4 (14)  13 (61) | 21  26  21 |
| Organic Lake (4.2 m) | 0.1  0.8  3.0 | 5 (34)  15 (54)  23 (75) | 5 (34)  9 (31)  2 (8) | 0  0  1 (2.5) | 1 (10)  2 (6)  20 (68) | 1 (10)  7 (23)  14 (45) | 2 (16)  3 (11)  16 (53) | 14  28  30 |
| Organic Lake (5.7 m) | 0.1  0.8  3.0 | 4 (43)  6 (20)  19 (68) | 1 (7)  9 (32)  3 (12) | 0  0  0 | 1 (14)  2 (7)  13 (47) | 2 (21)  6 (22)  6 (21) | 0\* (4)  3 (12)  11 (38) | 10  29  28 |
| Organic Lake (6.5 m) | 0.1  0.8  3.0 | 10 (51)  14 (38)  42 (106) | 0\* (2)  9 (23)  5 (13) | 0  1 (2)  0 | 3 (15)  7 (20)  20 (52) | 1 (7)  6 (16)  6 (16) | 4 (22)  7 (20)  22 (55) | 20  28  29 |
| Organic Lake (6.7 m) | 0.1  0.8  3.0 | 1 (7)  12 (26)  50 (174) | 0\* (4)  8 (17)  5 (17) | 0  0  4 (13) | 0  2 (5)  12 (43) | 1 (7)  8 (16)  12 (43) | 2 (13)  4 (9)  14 (48) | 13  47  29 |
| Ace Lake (5 m) | 0.1  0.8  3.0 | 0  2 (5)  0 | 0  2 (4)  0 | 0  0  0 | 12 (39)  2 (5)  0 |  |  | 30  42  12 |
| Ace Lake (11.5 m) | 0.1  0.8  3.0 | 1 (3)  1 (2)  0 | 0  0  0 | 1 (5)  0  1 (6) | 21 (76)  2 (3)  0 |  |  | 27  48  11 |
| Ace Lake (12.7 m) | 0.1  0.8  3.0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 |  |  | 63  48  43 |
| Ace Lake (14 m) | 0.1  0.8  3.0 | 0  0  0 | 0  0  0 | 0  1 (1)  0 | 0  1 (1)  0 |  |  | 54  42  55 |
| Ace Lake (18 m) | 0.1  0.8  3.0 | 0  1 (2)  0 | 0  0  0 | 0  0  0 | 1 (4)  0  0 |  |  | 34  43  34 |
| Ace Lake (23 m) | 0.1  0.8  3.0 | 0  1 (2)  0 | 0  0  0 | 0  0\* (1)  0 | 0  0  0 |  |  | 48  48  43 |
| Gulf of Maine | 0.1 | 0 | 0 | 2 (4) | 27 (49) |  |  | 55 |
| Brown’s Bank, Gulf of Maine | 0.1 | 0 | 0 | 8 (12) | 45 (68) |  |  | 67 |
| Outside Halifax, Nova Scotia | 0.1 | 0 | 0 | 2 (3) | 48 (70) |  |  | 69 |
| Bedford Basin Nova Scotia | 0.1 | 4 (8) | 0 | 6 (12) | 28 (54) |  |  | 52 |
| Bay of Fundy, Nova Scotia | 0.1 | 0 | 0 | 6 (5) | 67 (57) |  |  | 118 |
| Northern Gulf of Maine | 0.1 | 5 (5) | 0 | 2 (3) | 14 (16) |  |  | 88 |
| Newport Harbor, RI | 0.1 | 0 | 0 | 9 (13) | 8 (10) |  |  | 75 |
| Block Island NY | 0.1 | 0 | 0 | 3 (4) | 44 (60) |  |  | 75 |
| Cape May, NJ | 0.1 | 0 | 0 | 0 | 37 (42) |  |  | 89 |
| Delaware Bay, NJ | 0.1 | 0 | 0 | 0 | 14 (18) |  |  | 76 |
| Chesapeake Bay, MD | 0.1 | 0 | 0 | 0 | 25 (38) |  |  | 65 |
| Off Nags Head, NC | 0.1 | 0 | 0 | 2 (3) | 22 (35) |  |  | 63 |
| South of Charleston, SC | 0.1 | 0 | 0 | 3 (3) | 47 (49) |  |  | 97 |
| Off Key West, FL | 0.1 | 0 | 0 | 11 (13) | 44 (53) |  |  | 83 |
| Gulf of Mexico | 0.1 | 0 | 0 | 1 (1) | 50 (66) |  |  | 76 |
| Yucatan Channel | 0.1 | 0 | 0 | 7 (8) | 42 (49) |  |  | 86 |
| Rosario Bank | 0.1 | 0 | 0 | 10 (9) | 50 (43) |  |  | 113 |
| Northeast of Colón | 0.1 | 0 | 0 | 5 (5) | 50 (43) |  |  | 114 |
| Lake Gatun | 0.1 | 0 | 0 | 0 | 4 (4) |  |  | 90 |
| Gulf of Panama | 0.1 | 0 | 0 | 10 (12) | 39 (46) |  |  | 84 |
| 250 miles from Panama City | 0.1 | 0 | 0 | 8 (10) | 33 (41) |  |  | 81 |
| 30 miles from Cocos Island | 0.1 | 0 | 0 | 5 (6) | 40 (51) |  |  | 80 |
| Dirty Rock, Cocos Island | 0.8 | 0 | 0 | 0 | 0 |  |  | 18 |
| 134 miles NE of Galápagos | 0.1 | 0 | 0 | 6 (6) | 57 (56) |  |  | 101 |
| Devil’s Crown, Floreana Island | 0.1 | 0 | 0 | 8 (8) | 53 (55) |  |  | 96 |
| Coastal Floreana | 0.1 | 0 | 0 | 6 (6) | 61 (59) |  |  | 104 |
| North James Bay, Santigo | 0.1 | 0 | 0 | 7 (7) | 69 (68) |  |  | 102 |
| Warm seep, Roca Redonda | 0.1 | 0 | 0 | 7 (6) | 75 (63) |  |  | 120 |
| Upwelling, Fernandina | 0.1 | 0 | 0 | 4 (4) | 81 (77) |  |  | 106 |
| Mangrove, Isabella | 0.1 | 0 | 0 | 2 (3) | 24 (34) |  |  | 71 |
| Punta Cormorant Lagoon, Floreana | 0.1 |  |  |  |  |  |  |  |
| North Seamore | 0.1 | 0 | 0 | 5 (6) | 61 (80) |  |  | 77 |
| Wolf Island | 0.1 | 0 | 0 | 11 (12) | 51 (53) |  |  | 96 |
| Cabo Marshall, Isabella | 0.1 | 0 | 0 | 3 (4) | 60 (75) |  |  | 80 |
| Equatorial Pacific TAO Buoy | 0.1 | 0 | 0 | 9 (12) | 60 (78) |  |  | 76 |
| 201 miles from French Polynesia | 0.1 | 0 | 0 | 6 (7) | 50 (57) |  |  | 87 |
| Rangirora Atoll | 0.1 | 0 | 0 | 11 (15) | 38 (49) |  |  | 77 |