|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Site | size (µm) | DddD  (%) | DddL  (%) | DddP  (%) | DmdA  (%) | Rhodopsin  (%) | PufLM  (%)a | RecA |
| Organic Lake (1.7 m) | 0.1  0.8  3.0 | 1 (9)  3 (36)  4 (50) | 4 (19)  8 (39)  14 (21) | 0  0\* (2)  0\* (7) | 0\* (2)  1 (7)  4 (43) | 0\* (5)  2 (20)  5 (57) | 0\* (1)  1 (14)  5 (61) | 9  9  9 |
| Organic Lake (4.2 m) | 0.1  0.8  3.0 | 2 (34)  6 (54)  9 (75) | 6 (34)  7 (31)  2 (8) | 0  0  0\* (2.5) | 1 (10)  1 (6)  8 (68) | 1 (10)  3 (23)  6 (45) | 1 (16)  1 (11)  7 (53) | 5  11  12 |
| Organic Lake (5.7 m) | 0.1  0.8  3.0 | 2 (43)  2 (20)  8 (68) | 2 (7)  7 (32)  4 (12) | 0  0  0 | 1 (14)  1 (7)  6 (47) | 1 (21)  3 (22)  2 (21) | 0\* (4)  1 (12)  4 (38) | 4  12  12 |
| Organic Lake (6.5 m) | 0.1  0.8  3.0 | 4 (51)  5 (38)  18 (106) | 0\* (2)  5 (23)  7 (13) | 0  0\* (2)  0 | 1 (15)  2 (20)  9 (52) | 1 (7)  2 (16)  3 (16) | 2 (22)  2 (20)  9 (55) | 8  12  17 |
| Organic Lake (6.7 m) | 0.1  0.8  3.0 | 0\* (7)  5 (26)  20 (174) | 1 (4)  3 (17)  9 (17) | 0  0  1 (13) | 0  1 (5)  5 (43) | 0\* (7)  3 (16)  5 (43) | 1 (13)  2 (9)  5 (48) | 5  20  11 |
| Ace Lake (5 m) | 0.1  0.8  3.0 | 0  1 (5)  0 | 0  1 (4)  0 | 0  0  0 | 5 (39)  1 (5)  0 |  |  | 13  17  5 |
| Ace Lake (11.5 m) | 0.1  0.8  3.0 | 0\* (3)  0\* (2)  0 | 0  0  0 | 0\* (5)  0  0\* (6) | 9 (76)  1 (3)  0 |  |  | 11  20  4 |
| Ace Lake (12.7 m) | 0.1  0.8  3.0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 |  |  | 26  19  17 |
| Ace Lake (14 m) | 0.1  0.8  3.0 | 0  0  0 | 0  0  0 | 0  0\* (1)  0 | 0  0\* (1)  0 |  |  | 21  15  22 |
| Ace Lake (18 m) | 0.1  0.8  3.0 | 0  0\* (2)  0 | 0  0  0 | 0  0  0 | 1 (4)  0  0 |  |  | 13  17  15 |
| Ace Lake (23 m) | 0.1  0.8  3.0 | 0  0\* (2)  0 | 0  0  0 | 0  0\* (1)  0 | 0  0  0 |  |  | 19  20  17 |
| Gulf of Maine | 0.1 |  |  |  |  |  |  |  |
| Brown’s Bank, Gulf of Maine | 0.1 |  |  |  |  |  |  |  |
| Outside Halifax, Nova Scotia | 0.1 |  |  |  |  |  |  |  |
| Bedford Basin Nova Scotia | 0.1 |  |  |  |  |  |  |  |
| Bay of Fundy, Nova Scotia | 0.1 |  |  |  |  |  |  |  |
| Northern Gulf of Maine | 0.1 |  |  |  |  |  |  |  |
| Newport Harbor, RI | 0.1 |  |  |  |  |  |  |  |
| Block Island NY | 0.1 |  |  |  |  |  |  |  |
| Cape May, NJ | 0.1 |  |  |  |  |  |  |  |
| Delaware Bay, NJ | 0.1 |  |  |  |  |  |  |  |
| Chesapeake Bay, MD | 0.1 |  |  |  |  |  |  |  |
| Off Nags Head, NC | 0.1 |  |  |  |  |  |  |  |
| South of Charleston, SC | 0.1 |  |  |  |  |  |  |  |
| Off Key West, FL | 0.1 |  |  |  |  |  |  |  |
| Gulf of Mexico | 0.1 |  |  |  |  |  |  |  |
| Yucatan Channel | 0.1 |  |  |  |  |  |  |  |
| Rosario Bank | 0.1 |  |  |  |  |  |  |  |
| Northeast of Colón | 0.1 |  |  |  |  |  |  |  |
| Lake Gatun | 0.1 |  |  |  |  |  |  |  |
| Gulf of Panama | 0.1 |  |  |  |  |  |  |  |
| 250 miles from Panama City | 0.1 |  |  |  |  |  |  |  |
| 30 miles from Cocos Island | 0.1 |  |  |  |  |  |  |  |
| Dirty Rock, Cocos Island | 0.8 |  |  |  |  |  |  |  |
| 134 miles NE of Galápagos | 0.1 |  |  |  |  |  |  |  |
| Devil’s Crown, Floreana Island | 0.1 |  |  |  |  |  |  |  |
| Coastal Floreana | 0.1 |  |  |  |  |  |  |  |
| North James Bay, Santigo | 0.1 |  |  |  |  |  |  |  |
| Warm seep, Roca Redonda | 0.1 |  |  |  |  |  |  |  |
| Upwelling, Fernandina | 0.1 |  |  |  |  |  |  |  |
| Mangrove, Isabella | 0.1 |  |  |  |  |  |  |  |
| Punta Cormorant Lagoon, Floreana | 0.1 |  |  |  |  |  |  |  |
| North Seamore | 0.1 |  |  |  |  |  |  |  |
| Wolf Island | 0.1 |  |  |  |  |  |  |  |
| Cabo Marshall, Isabella | 0.1 |  |  |  |  |  |  |  |
| Equatorial Pacific TAO Buoy | 0.1 |  |  |  |  |  |  |  |
| 201 miles from French Polynesia | 0.1 |  |  |  |  |  |  |  |
| Rangirora Atoll | 0.1 |  |  |  |  |  |  |  |