|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sample** | **Description** | **Query length** | **Cover** | **E value** | **Ident** | **Accession** |
|
| **G24** | *Triops cancriformis* | 595 | 100% | 0 | 99% | JX110644.1 |
| **G47** | *Triops cancriformis* | 595 | 100% | 0 | 99% | JX110644.2 |
| **J20** | *Triops cancriformis* | 405 | 100% | 0 | 99% | JX110644.1 |
| **J49** | *Triops cancriformis* | 595 | 100% | 0 | 99% | JX110644.2 |
| **K4** | *Triops cancriformis* | 595 | 100% | 0 | 99% | JX110644.3 |
| **K7** | *Triops cancriformis* | 399 | 100% | 0 | 99% | JX110644.1 |
| **K13** | *Triops cancriformis* | 595 | 100% | 0 | 99% | JX110644.2 |
| **J22** | *Cyclotella sp. (Stephanodiscaceae)* | 527 | 92% | 0 | 90% | KM202115.1 |
| **G44** | *Cyclotella sp. (Stephanodiscaceae)* | 630 | 89% | 0 | 90% | KM202115.1 |
| **J2** | *Cyclotella sp. (Stephanodiscaceae)* | 630 | 89% | 0 | 90% | KM202115.1 |
| **K5** | *Cunea thuwala (Paramoebidae)* | 526 | 100% | 0 | 89% | KP862852.1 |
| **J37** | *Cyclotella sp. (Stephanodiscaceae)* | 572 | 95% | 0 | 89% | KM202115.1 |
| **J3** | *Achlya hypogyna (Saprolegniaceae)* | 627 | 96% | 1.00E-175 | 83% | KF226724.1 |
| **G21** | *Cyclotella sp. (Stephanodiscaceae)* | 484 | 99% | 4.00E-175 | 89% | KM202115.1 |
| **L2** | *Nannochloris sp. (Coccomyxaceae)* | 578 | 93% | 1.00E-168 | 85% | KM202120.1 |
| **K11** | *Triops cancriformis* | 327 | 100% | 1.00E-164 | 100% | JX110644.1 |
| **G34** | *Homo sapiens (Hominidae)* | 326 | 100% | 3.00E-164 | 100% | NG\_046602.1 |
| **J10** | *Pythium iwayamai (Pythiaceae)* | 632 | 96% | 2.00E-154 | 80% | JX397974.1 |
| **G33** | *Hartmannella vermiformis (Hartmannellidae)* | 532 | 100% | 6.00E-147 | 82% | GU828005.1 |
| **H4** | *Cyclotella sp. (Stephanodiscaceae)* | 413 | 97% | 2.00E-146 | 89% | KM202115.1 |
| **H3** | *Calosilpha brunneicollis (Silphidae)* | 302 | 100% | 7.00E-146 | 99% | HM180488.1 |
| **G14** | *Navicula minima (Naviculaceae)* | 488 | 87% | 5.00E-142 | 87% | HM449704.1 |
| **L6** | *Pythium cylindrosporum (Pythiaceae)* | 537 | 99% | 2.00E-134 | 80% | GU071824.1 |
| **I13** | *Invertebrate environmental sample* | 623 | 98% | 2.00E-134 | 77% | GU070917.1 |
| **F9** | *Invertebrate environmental sample* | 566 | 99% | 3.00E-132 | 79% | GU070917.1 |
| **J40** | *Mitrella tuberosa (Columbellidae)* | 629 | 89% | 7.00E-127 | 79% | KF643804.1 |
| **J35** | *Invertebrate environmental sample* | 633 | 88% | 3.00E-126 | 78% | GU070901.1 |
| **G19** | *Paralagenidium karlingii (Pythiaceae)* | 296 | 100% | 1.00E-112 | 91% | KC767953.1 |
| **J50** | *Roya obtusa (Mesotaeniaceae)* | 351 | 97% | 1.00E-98 | 84% | KF060943.1 |
| **A1** | *Phytophthora boehmeriae (Pythiaceae)* | 315 | 99% | 4.00E-98 | 86% | HQ261251.1 |
| **G27** | *Invertebrate environmental sample* | 323 | 99% | 5.00E-97 | 85% | GU070904.1 |
| **I12** | *Hymenoptera sp.* | 507 | 87% | 3.00E-94 | 78% | KM564452.1 |
| **J36** | *Calyptogena ponderosa endosymbiont* | 366 | 96% | 1.00E-67 | 77% | FJ899955.1 |
| **G12** | *Cyclotella sp. (Stephanodiscaceae)* | 239 | 99% | 6.00E-58 | 82% | KM202118.1 |
| **J27** | *Albugo laibachii (Albuginaceae)* | 207 | 99% | 5.00E-53 | 83% | FR832888.1 |
| **F1** | *Thiomonas sp. (Comamonadaceae)* | 226 | 99% | 7.00E-51 | 81% | LK931622.1 |
| **J29** | *Legionella oakridgensis (Legionellaceae)* | 233 | 100% | 1.00E-48 | 79% | CP004006.1 |
| **G2** | *Pinnularia neomajor (Pinnulariaceae)* | 167 | 95% | 2.00E-46 | 87% | JN418687.1 |
| **J38** | *Calyptogena ponderosa endosymbiont* | 274 | 98% | 6.00E-46 | 76% | FJ899955.1 |
| **E5** | *Chaetosoma scaritides (Chaetosomatidae)* | 116 | 98% | 2.00E-38 | 93% | EU877951.1 |
| **F2** | *Roseiflexus castenholzii (Chloroflexaceae)* | 606 | 71% | 8.00E-38 | 69% | CP000804.1 |
| **F3** | *Roseiflexus castenholzii (Chloroflexaceae)* | 419 | 91% | 1.00E-35 | 70% | CP000804.1 |
| **G36** | *Scytosiphon lomentaria (Scytosiphonaceae)* | 211 | 100% | 3.00E-31 | 75% | AB747604.1 |
| **J6** | *Echiura sp.* | 171 | 76% | 9.00E-31 | 85% | KT383422.1 |
| **I5** | *Bivalvia environmental sample* | 155 | 99% | 1.00E-29 | 81% | KP136604.1 |
| **J45** | *Durvillaea sp. (Durvillaeaceae)* | 119 | 100% | 1.00E-17 | 79% | HQ386098.1 |
| **H6** | *Legionella longbeachae (Legionellaceae)* | 141 | 56% | 5.00E-15 | 86% | FN650140.1 |
| **A5** | *Roseiflexus castenholzii  (Chloroflexaceae)* | 289 | 95% | 6.00E-14 | 68% | CP000804.1 |
| **G58** | *Pseudomonas sp. (Pseudomonadaceae)* | 304 | 32% | 2.00E-08 | 77% | KJ885299.1 |
| **G37** | *Pseudomonas sp. (Pseudomonadaceae)* | 329 | 29% | 2.00E-08 | 77% | KJ885299.1 |
| **F5** | *Streptomyces sp. (Streptomycetaceae)* | 123 | 79% | 6.00E-08 | 76% | CP015098.1 |
| **C11** | *Mesorhizobium loti (Phyllobacteriaceae)* | 202 | 38% | 2.00E-07 | 79% | CP016079.1 |
| **C2** | *Pseudonocardia dioxanivorans (Pseudonocardiaceae)* | 145 | 71% | 2.00E-06 | 74% | CP002593.1 |
| **G56** | *Micromonospora coriariae (Micromonosporaceae)* | 152 | 54% | 3.00E-05 | 76% | LT607412.1 |
| **G16** | *Roseiflexus sp. (Chloroflexaceae)* | 179 | 41% | 0.053 | 75% | CP000686.1 |
| **E4** | *Roseiflexus castenholzii (Chloroflexaceae)* | 133 | 40% | 0.64 | 80% | CP000804.1 |