

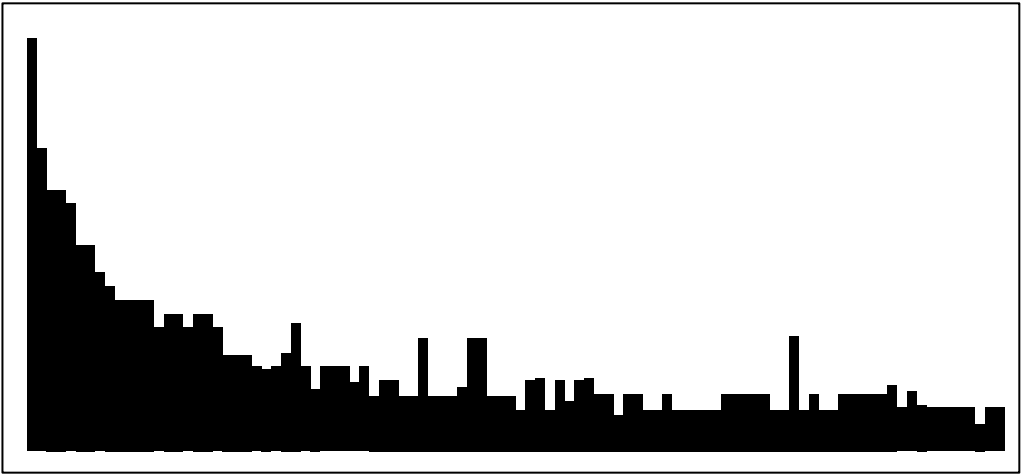
OTU_491.csv

Oreodytes sanmarkii

Dytiscidae

Coleoptera

99.35



| | | | | | | | |
|--|----------|-------|-------|-------------|------------|------------|---------------------------------|
| Oreodytes sanmarkii mitochondrial 16S rRNA gene (p | HF931524 | 99.35 | 98.73 | 1.5757e-70 | Coleoptera | Dytiscidae | Oreodytes sanmarkii |
| Oreodytes obesus cordillerensis mitochondrial part | HF931516 | 94.19 | 98.73 | 1.13458e-59 | Coleoptera | Dytiscidae | Oreodytes obesus cordillerensis |
| Oreodytes crassulus partial 16S rRNA gene | AJ850348 | 92.26 | 98.73 | 7.15999e-56 | Coleoptera | Dytiscidae | Oreodytes crassulus |
| Oreodytes congruus partial 16S rRNA gene | AJ850347 | 92.26 | 98.73 | 7.15999e-56 | Coleoptera | Dytiscidae | Oreodytes congruus |
| Oreodytes congruus 16S ribosomal RNA gene, partial | KF575550 | 91.61 | 98.73 | 3.04451e-54 | Coleoptera | Dytiscidae | Oreodytes congruus |
| Oreodytes abbreviatus mitochondrial 16S rRNA gene | HF931477 | 89.68 | 98.73 | 1.92129e-50 | Coleoptera | Dytiscidae | Oreodytes abbreviatus |
| Oreodytes rhyacophilus partial 16S rRNA gene | AJ850352 | 89.68 | 98.73 | 1.92129e-50 | Coleoptera | Dytiscidae | Oreodytes rhyacophilus |
| Oreodytes mongolicus mitochondrial 16S rRNA gene (| HF931491 | 88.39 | 98.73 | 9.95255e-48 | Coleoptera | Dytiscidae | Oreodytes mongolicus |
| Oreodytes snoqualmie mitochondrial partial 16S rRN | HF931519 | 87.74 | 98.73 | 4.23193e-46 | Coleoptera | Dytiscidae | Oreodytes snoqualmie |
| Oreodytes shorti mitochondrial 16S rRNA gene (part | HF931488 | 87.1 | 98.73 | 5.15555e-45 | Coleoptera | Dytiscidae | Oreodytes shorti |
| Boreonectes riberae mitochondrial 16S rRNA gene (p | HF931461 | 87.1 | 98.73 | 6.28074e-44 | Coleoptera | Dytiscidae | Boreonectes riberae |
| Boreonectes griseostriatus mitochondrial partial 1 | HF931387 | 87.1 | 98.73 | 6.28074e-44 | Coleoptera | Dytiscidae | Boreonectes griseostriatus |
| Boreonectes multilineatus mitochondrial partial 16 | HF931384 | 87.1 | 98.73 | 6.28074e-44 | Coleoptera | Dytiscidae | Boreonectes multilineatus |
| Laccornis difformis 16S ribosomal RNA gene, partia | KF575544 | 85.81 | 98.73 | 2.67064e-42 | Coleoptera | Dytiscidae | Laccornis difformis |
| Boreonectes alpestris mitochondrial 16S rRNA gene | HF931512 | 86.45 | 98.73 | 2.67064e-42 | Coleoptera | Dytiscidae | Boreonectes alpestris |
| Boreonectes striatellus mitochondrial 16S rRNA gen | HF931511 | 86.45 | 98.73 | 2.67064e-42 | Coleoptera | Dytiscidae | Boreonectes striatellus |
| Deronectes parvicollis mitochondrial 16S rRNA gene | HF931454 | 85.81 | 98.73 | 2.67064e-42 | Coleoptera | Dytiscidae | Deronectes parvicollis |
| Boreonectes macedonicus mitochondrial 16S rRNA gen | HF931359 | 86.45 | 98.73 | 2.67064e-42 | Coleoptera | Dytiscidae | Boreonectes macedonicus |
| Stictotarsus ibericus 16S ribosomal RNA (rrnL) gen | EF670030 | 86.45 | 98.73 | 2.67064e-42 | Coleoptera | Dytiscidae | Stictotarsus ibericus |
| Boreonectes griseostriatus mitochondrial 16S rRNA | HF931541 | 85.81 | 98.73 | 3.2535e-41 | Coleoptera | Dytiscidae | Boreonectes griseostriatus |
| Oreodytes scitulus 16S ribosomal RNA gene, partial | KF575551 | 84.52 | 98.73 | 1.38343e-39 | Coleoptera | Dytiscidae | Oreodytes scitulus |
| Oreodytes scitulus mitochondrial partial 16S rRNA | HF931515 | 84.52 | 98.73 | 1.38343e-39 | Coleoptera | Dytiscidae | Oreodytes scitulus |
| Laccornis kocae partial 16S rRNA gene | AJ850419 | 84.52 | 98.73 | 1.38343e-39 | Coleoptera | Dytiscidae | Laccornis kocae |
| Suphrodytes dorsalis 16S ribosomal RNA gene, parti | KF575577 | 83.97 | 98.73 | 7.16632e-37 | Coleoptera | Dytiscidae | Suphrodytes dorsalis |
| Boreonectes griseostriatus mitochondrial 16S rRNA | HF931385 | 83.87 | 98.73 | 7.16632e-37 | Coleoptera | Dytiscidae | Boreonectes griseostriatus |
| Suphrodytes dorsalis voucher BMNH:725966 16S ribos | JX221574 | 83.97 | 98.73 | 7.16632e-37 | Coleoptera | Dytiscidae | Suphrodytes dorsalis |
| Hydroporus foveolatus mitochondrial 16S rRNA gene | HE613724 | 84.62 | 98.73 | 7.16632e-37 | Coleoptera | Dytiscidae | Hydroporus foveolatus |
| Deronectes moestus mitochondrial 16S rRNA gene (pa | HE613726 | 86.01 | 90.45 | 2.50129e-36 | Coleoptera | Dytiscidae | Deronectes moestus |
| Stictotarsus maghrebinus 16S ribosomal RNA gene, p | AY250947 | 83.97 | 98.73 | 2.50129e-36 | Coleoptera | Dytiscidae | Stictotarsus maghrebinus |
| Aethionectes fulvonotatus voucher KBMAeop406 16S r | KF979088 | 82.91 | 98.73 | 8.73037e-36 | Coleoptera | Dytiscidae | Aethionectes fulvonotatus |
| Hydroporus tessellatus 16S ribosomal RNA gene, par | JX434770 | 83.97 | 98.73 | 8.73037e-36 | Coleoptera | Dytiscidae | Hydroporus tessellatus |
| Hydroporus zimmermanni mitochondrial 16S rRNA gene | HE613679 | 83.97 | 98.73 | 8.73037e-36 | Coleoptera | Dytiscidae | Hydroporus zimmermanni |
| Hydroporus basinotatus mitochondrial 16S rRNA gene | HE613678 | 83.97 | 98.73 | 8.73037e-36 | Coleoptera | Dytiscidae | Hydroporus basinotatus |
| Hydroporus glabriusculus 16S ribosomal RNA gene, p | AY365270 | 83.23 | 98.73 | 8.73037e-36 | Coleoptera | Dytiscidae | Hydroporus glabriusculus |
| Hydroporus basinotatus 16S ribosomal RNA gene, par | AF518258 | 83.97 | 98.73 | 8.73037e-36 | Coleoptera | Dytiscidae | Hydroporus basinotatus |
| Oreodytes quadrimaculatus 16S ribosomal RNA gene, | KF575567 | 82.58 | 98.73 | 3.0472e-35 | Coleoptera | Dytiscidae | Oreodytes quadrimaculatus |
| Stictotarsus procerus mitochondrial 16S rRNA gene | HF931379 | 83.33 | 98.73 | 3.0472e-35 | Coleoptera | Dytiscidae | Stictotarsus procerus |
| Deronectes opatrinus mitochondrial 16S rRNA gene (| HE613701 | 83.33 | 98.73 | 3.0472e-35 | Coleoptera | Dytiscidae | Deronectes opatrinus |
| Copelatus sp. BI-2011 voucher BMNH792945 16S ribos | HQ381441 | 82.58 | 98.73 | 3.0472e-35 | Coleoptera | Dytiscidae | Copelatus sp. BI-2011 |
| Oreodytes quadrimaculatus partial 16S rRNA gene | AJ850351 | 82.58 | 98.73 | 3.0472e-35 | Coleoptera | Dytiscidae | Oreodytes quadrimaculatus |
| Deronectes moestus 16S ribosomal RNA gene, partial | KF575561 | 85.31 | 90.45 | 1.06358e-34 | Coleoptera | Dytiscidae | Deronectes moestus |
| Hygrotus novemlineatus mitochondrial partial 16S r | HF931523 | 82.58 | 98.73 | 1.06358e-34 | Coleoptera | Dytiscidae | Hygrotus novemlineatus |
| Hygrotus marklini mitochondrial 16S rRNA gene (par | HF931467 | 82.58 | 98.73 | 1.06358e-34 | Coleoptera | Dytiscidae | Hygrotus marklini |
| Suphrodytes figuratus voucher BMNH:722148 16S ribo | JX221571 | 82.58 | 98.73 | 1.06358e-34 | Coleoptera | Dytiscidae | Suphrodytes figuratus |
| Hydroporus marginatus mitochondrial 16S rRNA gene | HE613699 | 83.02 | 98.73 | 1.06358e-34 | Coleoptera | Dytiscidae | Hydroporus marginatus |
| Deronectes brannani mitochondrial 16S rRNA gene (p | HE613695 | 85.31 | 90.45 | 1.06358e-34 | Coleoptera | Dytiscidae | Deronectes brannanii |
| Deronectes moestus mitochondrial 16S rRNA gene (pa | HE613683 | 85.31 | 90.45 | 1.06358e-34 | Coleoptera | Dytiscidae | Deronectes moestus |
| Hygrotus turbidus partial 16S rRNA gene | AJ850390 | 82.58 | 98.73 | 1.06358e-34 | Coleoptera | Dytiscidae | Hygrotus turbidus |
| Hydroporus sp. IR33.4 16S ribosomal RNA gene, part | AY365261 | 82.58 | 98.73 | 1.06358e-34 | Coleoptera | Dytiscidae | Hydroporus sp. IR33.4 |
| Hydroporus marginatus 16S ribosomal RNA gene, part | AF518267 | 82.58 | 98.73 | 1.06358e-34 | Coleoptera | Dytiscidae | Hydroporus marginatus |
| Hydaticus cinctipennis voucher UNM KBMHyci20 16S r | KJ548338 | 81.94 | 98.73 | 3.71225e-34 | Coleoptera | Dytiscidae | Hydaticus cinctipennis |
| Hydroporus analis mitochondrial partial 16S rRNA g | HE613731 | 83.33 | 98.73 | 3.71225e-34 | Coleoptera | Dytiscidae | Hydroporus analis |
| Hydroporus fuscipennis mitochondrial 16S rRNA gene | HE613730 | 83.44 | 98.73 | 3.71225e-34 | Coleoptera | Dytiscidae | Hydroporus fuscipennis |
| Deronectes bicostatus mitochondrial 16S rRNA gene | HE613705 | 81.94 | 98.73 | 3.71225e-34 | Coleoptera | Dytiscidae | Deronectes bicostatus |
| Hydroporus compunctus mitochondrial 16S rRNA gene | HE599693 | 83.33 | 98.73 | 3.71225e-34 | Coleoptera | Dytiscidae | Hydroporus compunctus |
| Antiporus hollingsworthi mitochondrial partial 16S | FR727246 | 82.35 | 97.45 | 3.71225e-34 | Coleoptera | Dytiscidae | Antiporus hollingsworthi |
| Hydroporus compunctus 16S ribosomal RNA gene, part | AF518259 | 83.33 | 98.73 | 3.71225e-34 | Coleoptera | Dytiscidae | Hydroporus compunctus |
| Hydroporus fuscipennis 16S ribosomal RNA gene, par | AF518262 | 83.44 | 98.73 | 3.71225e-34 | Coleoptera | Dytiscidae | Hydroporus fuscipennis |
| Deronectes doriae mitochondrial 16S rRNA gene (par | HE613710 | 82.69 | 98.73 | 1.2957e-33 | Coleoptera | Dytiscidae | Deronectes doriae |
| Deronectes sahlbergi mitochondrial 16S rRNA gene (| HE613680 | 82.69 | 98.73 | 1.2957e-33 | Coleoptera | Dytiscidae | Deronectes sahlbergi |
| Antiporus hollingsworthi mitochondrial partial 16S | FR727247 | 81.7 | 97.45 | 1.2957e-33 | Coleoptera | Dytiscidae | Antiporus hollingsworthi |
| Stictotarsus falli 16S ribosomal RNA (rrnL) gene, | EF670029 | 82.69 | 98.73 | 1.2957e-33 | Coleoptera | Dytiscidae | Stictotarsus falli |
| Nirripti megamacrocephalus isolate ABTC78781 16S | EU616935 | 82.69 | 98.73 | 1.2957e-33 | Coleoptera | Dytiscidae | Paroster megamacrocephalus |
| Hydroporus appalachius 16S ribosomal RNA gene, par | JX434765 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus appalachius |
| Hygrotus lutescens mitochondrial partial 16S rRNA | HF931518 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hygrotus lutescens |
| Hydroporus foveolatus mitochondrial 16S rRNA gene | HF931502 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus foveolatus |
| Hygrotus fontinalis mitochondrial 16S rRNA gene (p | HF931494 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hygrotus fontinalis |
| Boreonectes funereus mitochondrial 16S rRNA gene (| HF931393 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Boreonectes funereus |
| Hygrotus patruelis mitochondrial 16S rRNA gene (pa | HF931388 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hygrotus patruelis |
| Hydroporus brancoi gredensis mitochondrial partial | HF931329 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus brancoi gredensis |
| Suphrodytes figuratus voucher BMNH:722150 16S ribo | JX221572 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Suphrodytes figuratus |
| Hydroporus discretus mitochondrial 16S rRNA gene (| HE613723 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus discretus |
| Hydroporus decipiens mitochondrial 16S rRNA gene (| HE613722 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus decipiens |
| Hydroporus pubescens mitochondrial 16S rRNA gene (| HE613707 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus pubescens |
| Hydroporus limbatus mitochondrial 16S rRNA gene (p | HE613706 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus limbatus |
| Hydroporus errans mitochondrial 16S rRNA gene (par | HE613704 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus errans |
| Suphrodytes dorsalis mitochondrial 16S rRNA gene (| HE599700 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Suphrodytes dorsalis |
| Hydroporus pervicinus mitochondrial 16S rRNA gene | HE599695 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus pervicinus |
| Hovahydrus sp. BI-2011 voucher BMNH831333 16S ribo | HQ381524 | 85.42 | 90.45 | 4.52244e-33 | Coleoptera | Dytiscidae | Hovahydrus sp. BI-2011 |
| Nirripti newhavenensis 16S ribosomal RNA gene, p | AY353844 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Paroster newhavenensis |
| Hydroporus pubescens voucher NHM-IR39 16S ribosoma | EF419327 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus pubescens |
| Hydroporus occidentalis 16S ribosomal RNA gene, pa | AY365280 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus occidentalis |
| Hydroporus hirtellus 16S ribosomal RNA gene, parti | AY365271 | 81.94 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus hirtellus |
| Hydroporus rufifrons 16S ribosomal RNA gene, parti | AF518277 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus rufifrons |
| Hydroporus pubescens 16S ribosomal RNA gene, parti | AF518276 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus pubescens |
| Hydroporus limbatus 16S ribosomal RNA gene, partia | AF518264 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus limbatus |
| Hydroporus discretus 16S ribosomal RNA gene, parti | AF518260 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus discretus |
| Hydroporus analis 16S ribosomal RNA gene, partial | AF518257 | 82.69 | 98.73 | 4.52244e-33 | Coleoptera | Dytiscidae | Hydroporus analis |
| Hygrotus impressopunctatus voucher UNM KBMHtim80 1 | KJ548334 | 83.12 | 96.18 | 1.57849e-32 | Coleoptera | Dytiscidae | Hygrotus impressopunctatus |
| Deronectes aubei voucher UNM KBMDeau758 16S riboso | KJ548292 | 82.05 | 98.73 | 1.57849e-32 | Coleoptera | Dytiscidae | Deronectes aubei |
| Hygrotus armeniacus mitochondrial partial 16S rRNA | HF931520 | 82.8 | 98.73 | 1.57849e-32 | Coleoptera | Dytiscidae | Hygrotus armeniacus |
| Hydroporus planus mitochondrial 16S rRNA gene (par | HE613708 | 82.17 | 98.73 | 1.57849e-32 | Coleoptera | Dytiscidae | Hydroporus planus |
| Deronectes costipennis mitochondrial 16S rRNA gene | HE613697 | 82.05 | 98.73 | 1.57849e-32 | Coleoptera | Dytiscidae | Deronectes costipennis |
| Deronectes platynotus mitochondrial 16S rRNA gene | HE613682 | 82.05 | 98.73 | 1.57849e-32 | Coleoptera | Dytiscidae | Deronectes platynotus |
| Deronectes depressicollis mitochondrial 16S rRNA g | HE613681 | 82.05 | 98.73 | 1.57849e-32 | Coleoptera | Dytiscidae | Deronectes depressicollis |
| Deronectes semirufus mitochondrial 16S rRNA gene (| HE613676 | 82.05 | 98.73 | 1.57849e-32 | Coleoptera | Dytiscidae | Deronectes semirufus |
| Deronectes semirufus mitochondrial 16S rRNA gene (| HE613674 | 82.05 | 98.73 | 1.57849e-32 | Coleoptera | Dytiscidae | Deronectes semirufus |
| Antiporus sp. MB1421 mitochondrial partial 16S rRN | FR727245 | 81.29 | 98.73 | 1.57849e-32 | Coleoptera | Dytiscidae | Antiporus sp. MB1421 |
| Deronectes costipennis 16S ribosomal RNA gene, par | AY250951 | 82.05 | 98.73 | 1.57849e-32 | Coleoptera | Dytiscidae | Deronectes costipennis |
| Deronectes aubei sanfilippii haplotype 2 16S ribos | AY250908 | 82.05 | 98.73 | 1.57849e-32 | Coleoptera | Dytiscidae | Deronectes aubei sanfilippii |