

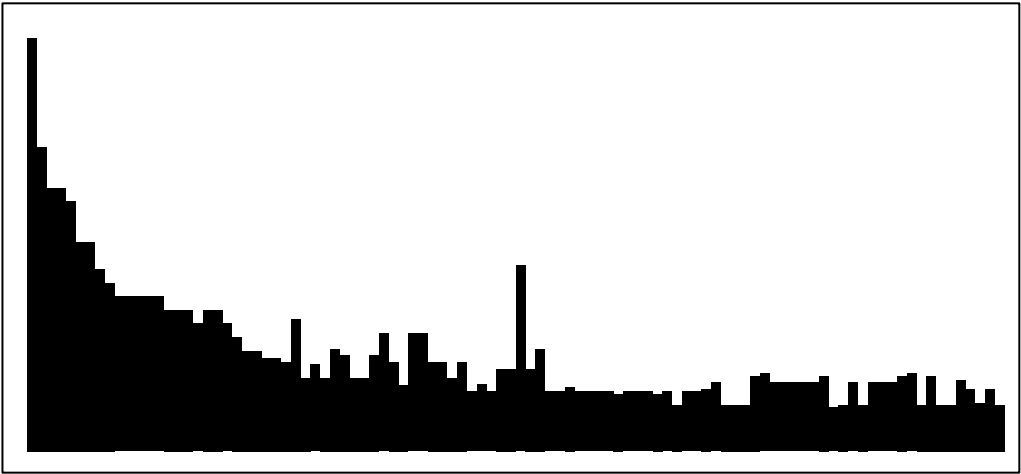
OTU_250.csv

Oreodytes sanmarkii

Dytiscidae

Coleoptera

99.36



| | | | | | | | |
|---|----------|-------|-------|-------------|------------|------------|---------------------------------|
| Oreodytes sanmarkii mitochondrial 16S rRNA gene (p | HF931524 | 99.36 | 99.37 | 1.58862e-70 | Coleoptera | Dytiscidae | Oreodytes sanmarkii |
| Oreodytes obesus cordillerensis mitochondrial part | HF931516 | 94.27 | 99.37 | 1.14388e-59 | Coleoptera | Dytiscidae | Oreodytes obesus cordillerensis |
| Oreodytes crassulus partial 16S rRNA gene | AJ850348 | 92.36 | 99.37 | 7.21868e-56 | Coleoptera | Dytiscidae | Oreodytes crassulus |
| Oreodytes congruus partial 16S rRNA gene | AJ850347 | 92.36 | 99.37 | 7.21868e-56 | Coleoptera | Dytiscidae | Oreodytes congruus |
| Oreodytes congruus 16S ribosomal RNA gene, partial | KF575550 | 91.72 | 99.37 | 3.06946e-54 | Coleoptera | Dytiscidae | Oreodytes congruus |
| Oreodytes abbreviatus mitochondrial 16S rRNA gene | HF931477 | 89.81 | 99.37 | 1.93704e-50 | Coleoptera | Dytiscidae | Oreodytes abbreviatus |
| Oreodytes rhyacophilus partial 16S rRNA gene | AJ850352 | 89.81 | 99.37 | 1.93704e-50 | Coleoptera | Dytiscidae | Oreodytes rhyacophilus |
| Oreodytes mongolicus mitochondrial 16S rRNA gene (| HF931491 | 88.54 | 99.37 | 1.00341e-47 | Coleoptera | Dytiscidae | Oreodytes mongolicus |
| Oreodytes snoqualmie mitochondrial partial 16S rRN | HF931519 | 87.9 | 99.37 | 4.26662e-46 | Coleoptera | Dytiscidae | Oreodytes snoqualmie |
| Oreodytes septentrionalis mitochondrial 16S rRNA g | HF931492 | 87.26 | 99.37 | 5.1978e-45 | Coleoptera | Dytiscidae | Oreodytes septentrionalis |
| Oreodytes shorti mitochondrial 16S rRNA gene (part | HF931488 | 87.26 | 99.37 | 5.1978e-45 | Coleoptera | Dytiscidae | Oreodytes shorti |
| Boreonectes riberae mitochondrial 16S rRNA gene (p | HF931461 | 87.26 | 99.37 | 6.33222e-44 | Coleoptera | Dytiscidae | Boreonectes riberae |
| Boreonectes griseostriatus mitochondrial partial 1 | HF931387 | 87.26 | 99.37 | 6.33222e-44 | Coleoptera | Dytiscidae | Boreonectes griseostriatus |
| Boreonectes multilineatus mitochondrial partial 16 | HF931384 | 87.26 | 99.37 | 6.33222e-44 | Coleoptera | Dytiscidae | Boreonectes multilineatus |
| Laccornis difformis 16S ribosomal RNA gene, partia | KF575544 | 86.62 | 99.37 | 2.21016e-43 | Coleoptera | Dytiscidae | Laccornis difformis |
| Boreonectes alpestris mitochondrial 16S rRNA gene | HF931512 | 86.62 | 99.37 | 2.69253e-42 | Coleoptera | Dytiscidae | Boreonectes alpestris |
| Boreonectes striatellus mitochondrial 16S rRNA gen | HF931511 | 86.62 | 99.37 | 2.69253e-42 | Coleoptera | Dytiscidae | Boreonectes striatellus |
| Deronectes parvicollis mitochondrial 16S rRNA gene | HF931454 | 85.99 | 99.37 | 2.69253e-42 | Coleoptera | Dytiscidae | Deronectes parvicollis |
| Boreonectes macedonicus mitochondrial 16S rRNA gen | HF931359 | 86.62 | 99.37 | 2.69253e-42 | Coleoptera | Dytiscidae | Boreonectes macedonicus |
| Stictotarsus ibericus 16S ribosomal RNA (rrnL) gen | EF670030 | 86.62 | 99.37 | 2.69253e-42 | Coleoptera | Dytiscidae | Stictotarsus ibericus |
| Boreonectes griseostriatus mitochondrial 16S rRNA | HF931541 | 85.99 | 99.37 | 3.28017e-41 | Coleoptera | Dytiscidae | Boreonectes griseostriatus |
| Laccornis kocae partial 16S rRNA gene | AJ850419 | 85.35 | 99.37 | 1.14489e-40 | Coleoptera | Dytiscidae | Laccornis kocae |
| Oreodytes scitulus 16S ribosomal RNA gene, partial | KF575551 | 84.71 | 99.37 | 1.39476e-39 | Coleoptera | Dytiscidae | Oreodytes scitulus |
| Oreodytes scitulus mitochondrial partial 16S rRNA | HF931515 | 84.71 | 99.37 | 1.39476e-39 | Coleoptera | Dytiscidae | Oreodytes scitulus |
| Aethionectes fulvonotatus voucher KBMAeop406 16S r | KF979088 | 84.38 | 99.37 | 1.69917e-38 | Coleoptera | Dytiscidae | Aethionectes fulvonotatus |
| Scarodytes sp. IR-2003 16S ribosomal RNA gene, par | AY250939 | 84.38 | 99.37 | 5.93069e-38 | Coleoptera | Dytiscidae | Scarodytes sp. IR-2003 |
| Nebrioporus formaster mitochondrial partial 16S rR | HF931377 | 84.18 | 99.37 | 2.07001e-37 | Coleoptera | Dytiscidae | Nebrioporus formaster |
| Deronectes moestus mitochondrial 16S rRNA gene (pa | HE613726 | 86.21 | 99.37 | 2.07001e-37 | Coleoptera | Dytiscidae | Deronectes moestus |
| Suphrodytes dorsalis 16S ribosomal RNA gene, parti | KF575577 | 83.44 | 99.37 | 7.22506e-37 | Coleoptera | Dytiscidae | Suphrodytes dorsalis |
| Boreonectes griseostriatus mitochondrial 16S rRNA | HF931385 | 84.08 | 99.37 | 7.22506e-37 | Coleoptera | Dytiscidae | Boreonectes griseostriatus |
| Suphrodytes dorsalis voucher BMNH:725966 16S ribos | JX221574 | 83.44 | 99.37 | 7.22506e-37 | Coleoptera | Dytiscidae | Suphrodytes dorsalis |
| Hydroporus foveolatus mitochondrial 16S rRNA gene | HE613724 | 84.81 | 99.37 | 7.22506e-37 | Coleoptera | Dytiscidae | Hydroporus foveolatus |
| Deronectes opatrinus mitochondrial 16S rRNA gene (| HE613701 | 84.52 | 97.47 | 7.22506e-37 | Coleoptera | Dytiscidae | Deronectes opatrinus |
| Copelatus sp. BI-2011 voucher BMNH792945 16S ribos | HQ381441 | 83.44 | 99.37 | 7.22506e-37 | Coleoptera | Dytiscidae | Copelatus sp. BI-2011 |
| Oreodytes natrix partial 16S rRNA gene | AJ850349 | 83.44 | 99.37 | 7.22506e-37 | Coleoptera | Dytiscidae | Oreodytes natrix |
| Stictotarsus maghrebinus 16S ribosomal RNA gene, p | AY250947 | 84.52 | 97.47 | 7.22506e-37 | Coleoptera | Dytiscidae | Stictotarsus maghrebinus |
| Deronectes moestus 16S ribosomal RNA gene, partial | KF575561 | 85.52 | 91.14 | 8.80193e-36 | Coleoptera | Dytiscidae | Deronectes moestus |
| Hydroporus tessellatus 16S ribosomal RNA gene, par | JX434770 | 84.18 | 99.37 | 8.80193e-36 | Coleoptera | Dytiscidae | Hydroporus tessellatus |
| Deronectes bicostatus mitochondrial 16S rRNA gene | HE613705 | 83.12 | 97.47 | 8.80193e-36 | Coleoptera | Dytiscidae | Deronectes bicostatus |
| Deronectes brannani mitochondrial 16S rRNA gene (p | HE613695 | 85.52 | 91.14 | 8.80193e-36 | Coleoptera | Dytiscidae | Deronectes brannanii |
| Deronectes moestus mitochondrial 16S rRNA gene (pa | HE613683 | 85.52 | 91.14 | 8.80193e-36 | Coleoptera | Dytiscidae | Deronectes moestus |
| Hydroporus zimmermanni mitochondrial 16S rRNA gene | HE613679 | 84.18 | 99.37 | 8.80193e-36 | Coleoptera | Dytiscidae | Hydroporus zimmermanni |
| Hydroporus basinotatus mitochondrial 16S rRNA gene | HE613678 | 84.18 | 99.37 | 8.80193e-36 | Coleoptera | Dytiscidae | Hydroporus basinotatus |
| Hydroporus glabriusculus 16S ribosomal RNA gene, p | AY365270 | 83.44 | 99.37 | 8.80193e-36 | Coleoptera | Dytiscidae | Hydroporus glabriusculus |
| Hydroporus basinotatus 16S ribosomal RNA gene, par | AF518258 | 84.18 | 99.37 | 8.80193e-36 | Coleoptera | Dytiscidae | Hydroporus basinotatus |
| Hydaticus cinctipennis voucher UNM KBMHyci20 16S r | KJ548338 | 82.8 | 99.37 | 3.07217e-35 | Coleoptera | Dytiscidae | Hydaticus cinctipennis |
| Hygrotus impressopunctatus voucher UNM KBMHTim80 1 | KJ548334 | 83.12 | 99.37 | 3.07217e-35 | Coleoptera | Dytiscidae | Hygrotus impressopunctatus |
| Oreodytes quadrimaculatus 16S ribosomal RNA gene, | KF575567 | 82.8 | 99.37 | 3.07217e-35 | Coleoptera | Dytiscidae | Oreodytes quadrimaculatus |
| Stictotarsus procerus mitochondrial 16S rRNA gene | HF931379 | 83.87 | 97.47 | 3.07217e-35 | Coleoptera | Dytiscidae | Stictotarsus procerus |
| Deronectes doriae mitochondrial 16S rRNA gene (par | HE613710 | 83.87 | 97.47 | 3.07217e-35 | Coleoptera | Dytiscidae | Deronectes doriae |
| Hydroporus marginatus mitochondrial 16S rRNA gene | HE613699 | 88.71 | 78.48 | 3.07217e-35 | Coleoptera | Dytiscidae | Hydroporus marginatus |
| Deronectes sahlibergi mitochondrial 16S rRNA gene (| HE613680 | 83.87 | 97.47 | 3.07217e-35 | Coleoptera | Dytiscidae | Deronectes sahlibergi |
| Hovahydrus sp. BI-2011 voucher BMNH831333 16S ribo | HQ381524 | 84.81 | 98.73 | 3.07217e-35 | Coleoptera | Dytiscidae | Hovahydrus sp. BI-2011 |
| Copelatus sp. BI-2011 voucher BMNH671215 16S ribos | HQ381377 | 82.8 | 99.37 | 3.07217e-35 | Coleoptera | Dytiscidae | Copelatus sp. BI-2011 |
| Stictotarsus falli 16S ribosomal RNA (rrnL) gene, | EF670029 | 82.8 | 99.37 | 3.07217e-35 | Coleoptera | Dytiscidae | Stictotarsus falli |
| Hygrotus impressopunctatus partial 16S rRNA gene | AJ850405 | 83.02 | 99.37 | 3.07217e-35 | Coleoptera | Dytiscidae | Hygrotus impressopunctatus |
| Oreodytes quadrimaculatus partial 16S rRNA gene | AJ850351 | 82.8 | 99.37 | 3.07217e-35 | Coleoptera | Dytiscidae | Oreodytes quadrimaculatus |
| Hygrotus novemlineatus mitochondrial partial 16S r | HF931523 | 82.8 | 99.37 | 1.07229e-34 | Coleoptera | Dytiscidae | Hygrotus novemlineatus |
| Hygrotus marklini mitochondrial 16S rRNA gene (par | HF931467 | 82.8 | 99.37 | 1.07229e-34 | Coleoptera | Dytiscidae | Hygrotus marklini |
| Suphrodytes figuratus voucher BMNH:722148 16S ribo | JX221571 | 82.8 | 99.37 | 1.07229e-34 | Coleoptera | Dytiscidae | Suphrodytes figuratus |
| Antiporus hollingsworthi mitochondrial partial 16S | FR727246 | 82.69 | 98.73 | 1.07229e-34 | Coleoptera | Dytiscidae | Antiporus hollingsworthi |
| Hygrotus turbidus partial 16S rRNA gene | AJ850390 | 82.8 | 99.37 | 1.07229e-34 | Coleoptera | Dytiscidae | Hygrotus turbidus |
| Hygrotus corpulentus partial 16S rRNA gene | AJ850387 | 82.8 | 99.37 | 1.07229e-34 | Coleoptera | Dytiscidae | Hygrotus corpulentus |
| Hydroporus sp. IR33.4 16S ribosomal RNA gene, part | AY365261 | 82.8 | 99.37 | 1.07229e-34 | Coleoptera | Dytiscidae | Hydroporus sp. IR33.4 |
| Nebrioporus assimilis 16S ribosomal RNA gene, part | AY250921 | 82.69 | 98.73 | 1.07229e-34 | Coleoptera | Dytiscidae | Nebrioporus assimilis |
| Hydroporus marginatus 16S ribosomal RNA gene, part | AF518267 | 82.8 | 99.37 | 1.07229e-34 | Coleoptera | Dytiscidae | Hydroporus marginatus |
| Agabus glacialis mitochondrial 16S rRNA gene (part | LM654776 | 82.17 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Agabus glacialis |
| Agabus didymus mitochondrial 16S rRNA gene (partia | LM654773 | 82.8 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Agabus didymus |
| Agabus didymus voucher UNM KBMPmsp730 16S ribosoma | KJ548392 | 82.8 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Agabus didymus |
| Herophydus rohani voucher UNM KBMHpsp574 16S ribo | KJ548382 | 82.91 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Herophydus rohani |
| Deronectes aubei voucher UNM KBMDeau758 16S riboso | KJ548292 | 83.23 | 97.47 | 3.74267e-34 | Coleoptera | Dytiscidae | Deronectes aubei |
| Ilybius neglectus mitochondrial 16S rRNA gene (par | HF931450 | 82.17 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Ilybius neglectus |
| Agabus dichrous mitochondrial partial 16S rRNA gen | HF931378 | 82.17 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Agabus dichrous |
| Agabus godmanni mitochondrial 16S rRNA gene (parti | HF931348 | 82.17 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Agabus godmanni |
| Hydroporus analis mitochondrial partial 16S rRNA g | HE613731 | 83.54 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Hydroporus analis |
| Hydroporus fuscipennis mitochondrial 16S rRNA gene | HE613730 | 83.65 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Hydroporus fuscipennis |
| Deronectes costipennis mitochondrial 16S rRNA gene | HE613697 | 83.23 | 97.47 | 3.74267e-34 | Coleoptera | Dytiscidae | Deronectes costipennis |
| Deronectes platynotus mitochondrial 16S rRNA gene | HE613682 | 83.23 | 97.47 | 3.74267e-34 | Coleoptera | Dytiscidae | Deronectes platynotus |
| Deronectes depressicollis mitochondrial 16S rRNA g | HE613681 | 83.23 | 97.47 | 3.74267e-34 | Coleoptera | Dytiscidae | Deronectes depressicollis |
| Deronectes semirufus mitochondrial 16S rRNA gene (| HE613676 | 83.23 | 97.47 | 3.74267e-34 | Coleoptera | Dytiscidae | Deronectes semirufus |
| Deronectes semirufus mitochondrial 16S rRNA gene (| HE613674 | 83.23 | 97.47 | 3.74267e-34 | Coleoptera | Dytiscidae | Deronectes semirufus |
| Hydroporus compunctus mitochondrial 16S rRNA gene | HE599693 | 83.54 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Hydroporus compunctus |
| Antiporus hollingsworthi mitochondrial partial 16S | FR727247 | 82.05 | 98.73 | 3.74267e-34 | Coleoptera | Dytiscidae | Antiporus hollingsworthi |
| Nirripti byroensis isolate ABTC78677-8 16S ribos | EU616910 | 82.17 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Paroster byroensis |
| Deronectes costipennis 16S ribosomal RNA gene, par | AY250951 | 83.23 | 97.47 | 3.74267e-34 | Coleoptera | Dytiscidae | Deronectes costipennis |
| Nebrioporus airumilus 16S ribosomal RNA gene, parti | AY250920 | 82.17 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Nebrioporus airumilus |
| Deronectes aubei sanfilippoi haplotype 2 16S ribos | AY250908 | 83.23 | 97.47 | 3.74267e-34 | Coleoptera | Dytiscidae | Deronectes aubei sanfilippoi |
| Deronectes aubei sanfilippoi haplotype 1 16S ribos | AY250907 | 83.23 | 97.47 | 3.74267e-34 | Coleoptera | Dytiscidae | Deronectes aubei sanfilippoi |
| Deronectes aubei aubei haplotype 2 16S ribosomal R | AY250906 | 83.23 | 97.47 | 3.74267e-34 | Coleoptera | Dytiscidae | Deronectes aubei aubei |
| Hydroporus compunctus 16S ribosomal RNA gene, part | AF518259 | 83.54 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Hydroporus compunctus |
| Hydroporus fuscipennis 16S ribosomal RNA gene, par | AF518262 | 83.65 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Hydroporus fuscipennis |
| Ilybius satuni 16S ribosomal RNA gene, partial seq | AY138670 | 82.17 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Ilybius satunini |
| Ilybius erichsoni 16S ribosomal RNA gene, partial | AY138661 | 83.54 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Ilybius erichsoni |
| Agabus dilatatus 16S ribosomal RNA gene, partial s | AY039261 | 82.17 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Agabus dilatatus |
| Agabus bifarius 16S ribosomal RNA gene, partial se | AY138605 | 82.17 | 99.37 | 3.74267e-34 | Coleoptera | Dytiscidae | Agabus bifarius |
| Deronectes hispanicus mitochondrial 16S rRNA gene | HE613727 | 83.33 | 97.47 | 1.30632e-33 | Coleoptera | Dytiscidae | Deronectes hispanicus |
| Nirripti megamacrocephalus isolate ABTC78781 16S | EU616935 | 82.91 | 99.37 | 1.30632e-33 | Coleoptera | Dytiscidae | Paroster megamacrocephalus |
| Scarodytes halensis haplotype 3 16S ribosomal RNA | AY250937 | 82.28 | 99.37 | 1.30632e-33 | Coleoptera | Dytiscidae | Scarodytes halensis |
| Herophydus inquinatus 16S ribosomal RNA gene, par | KF575572 | 82.91 | 99.37 | 4.55951e-33 | Coleoptera | Dytiscidae | Herophydus inquinatus |
| Hydaticus aruspex voucher NHRS/JLKB000000298 16S r | KF979119 | 82.17 | 99.37 | 4.55951e-33 | Coleoptera | Dytiscidae | Hydaticus aruspex |