

**NC\_020099 — copepod (1670 bp)**  
LCS with gap/mismatch penalty of -1

| <b>score</b> | <b>NC</b> | <b>bp</b> | <b>common name</b>          |
|--------------|-----------|-----------|-----------------------------|
| -1817        | NC_016577 | 2633      | AbMV (virus)                |
| -3797        | NC_035130 | 6363      | australian mosquito         |
| -5120        | NC_001499 | 5894      | abelson (virus)             |
| -7799        | NC_001722 | 10359     | hiv-2 (virus)               |
| -10384       | NC_016197 | 13724     | filarial nematode           |
| -10573       | NC_019571 | 13913     | cat lungworm                |
| -10941       | NC_016198 | 14281     | giant roundworm             |
| -11513       | NC_008161 | 14853     | stony coral                 |
| -11573       | NC_034122 | 14913     | congo termite               |
| -11608       | NC_026914 | 14948     | water flea                  |
| -11918       | NC_029510 | 15258     | dancing acraea              |
| -11942       | NC_021933 | 15282     | millipede                   |
| -11986       | NC_029168 | 15326     | acasta sulcata              |
| -12259       | NC_014887 | 15599     | chinese grasshopper         |
| -12464       | NC_026104 | 15804     | stonefly                    |
| -12532       | NC_033906 | 15872     | Sinopodisma wulingshanensis |
| -12676       | NC_005958 | 16016     | alligator lizard            |
| -12790       | NC_035677 | 16130     | bean weevil                 |
| -12923       | NC_016428 | 16263     | striped field mouse         |
| -13029       | NC_005797 | 16369     | axolotl                     |
| -13035       | NC_006887 | 16375     | tiger salamander            |
| -13062       | NC_001601 | 16402     | blue whale                  |
| -13068       | NC_006928 | 16408     | brydes whale                |
| -13093       | NC_010570 | 16433     | pirarucu                    |
| -13094       | NC_009830 | 16434     | powderblue surgeonfish      |
| -13101       | NC_011947 | 16441     | spiny tailed leatherjacket  |
| -13150       | NC_035817 | 16490     | finlaysons squirrel         |
| -13159       | NC_002083 | 16499     | orangutan                   |
| -13162       | NC_011943 | 16502     | starry triggerfish          |
| -13198       | NC_020648 | 16538     | striped skunk               |
| -13211       | NC_027857 | 16551     | bandit angelfish            |
| -13220       | NC_025222 | 16560     | tonkean macaque             |
| -13225       | NC_028290 | 16565     | atlantic sturgeon           |
| -13229       | NC_012920 | 16569     | human                       |
| -13330       | NC_001788 | 16670     | wild ass                    |
| -13333       | NC_020591 | 16673     | hazel grouse                |
| -13363       | NC_009064 | 16703     | indo-pacific sergeant       |
| -13375       | NC_003190 | 16715     | john dory                   |
| -13381       | NC_027956 | 16721     | african golden wolf         |
| -13389       | NC_008092 | 16729     | gray wolf 1                 |

| <b>score</b> | <b>NC</b> | <b>bp</b> | <b>common name</b>       |
|--------------|-----------|-----------|--------------------------|
| -13398       | NC_011196 | 16738     | greylag goose            |
| -13404       | NC_022415 | 16744     | white shark              |
| -13409       | NC_002783 | 16749     | rhea                     |
| -13417       | NC_009686 | 16757     | gray wolf 2              |
| -13433       | NC_018804 | 16773     | saffron-cowled blackbird |
| -13435       | NC_018801 | 16775     | red-winged blackbird     |
| -13461       | NC_000884 | 16801     | guinea pig               |
| -13463       | NC_015119 | 16803     | snow scorpionfly         |
| -13485       | NC_011180 | 16825     | flat needlefish          |
| -13553       | NC_027241 | 16893     | goulds sunbird           |
| -13679       | NC_000891 | 17019     | platypus                 |
| -13707       | NC_005212 | 17047     | cheetah                  |
| -13758       | NC_020346 | 17098     | greenspot goby           |
| -13825       | NC_032084 | 17165     | grey burrowing snake     |
| -13931       | NC_028510 | 17271     | austrolebias             |
| -13937       | NC_008410 | 17277     | asiatic toad             |
| -14030       | NC_029846 | 17370     | lesser kestrel           |
| -14481       | NC_029146 | 17821     | silvereye                |
| -14487       | NC_032058 | 17827     | abyssinian white-eye     |
| -14597       | NC_024268 | 17937     | silver-throated bushtit  |
| -14612       | NC_026082 | 17952     | besra                    |
| -14622       | NC_027847 | 17962     | grey parrot              |
| -14936       | NC_023955 | 15782     | freshwater pearl mussel  |
| -15442       | NC_031858 | 16310     | pacific star shell       |
| -15492       | NC_023889 | 16386     | killer whale             |
| -15634       | NC_035150 | 18974     | cat gecko                |
| -15665       | NC_030247 | 16603     | labeonin                 |
| -15675       | NC_031807 | 16581     | common carp              |
| -15943       | NC_033973 | 16817     | terek sandpiper          |
| -16123       | NC_024052 | 16965     | diana tarsier            |
| -16473       | NC_036493 | 17325     | Santa Barbara tree frog  |
| -17652       | NC_000894 | 20992     | leishmania               |
| -17657       | NC_022827 | 18479     | staghorn coral           |
| -26659       | NC_023248 | 29999     | anamorphic fungus        |