

**NC\_016198 — giant roundworm (14281 bp)**

Computation with NUC.4.4 substitutions scores and -6 gap start and -1 gap extension penalties

| <b>score</b> | <b>NC</b> | <b>bp</b> | <b>common name</b>          |
|--------------|-----------|-----------|-----------------------------|
| 37530        | NC_019571 | 13913     | cat lungworm                |
| 24695        | NC_016197 | 13724     | filarial nematode           |
| 22393        | NC_021933 | 15282     | millipede                   |
| 21428        | NC_022827 | 18479     | staghorn coral              |
| 21348        | NC_008161 | 14853     | stony coral                 |
| 20772        | NC_000894 | 20992     | leishmania                  |
| 20549        | NC_029168 | 15326     | acasta sulcata              |
| 20246        | NC_015119 | 16803     | snow scorpionfly            |
| 20212        | NC_031858 | 16310     | pacific star shell          |
| 20035        | NC_023248 | 29999     | anamorphic fungus           |
| 19573        | NC_029510 | 15258     | dancing acraea              |
| 18916        | NC_035677 | 16130     | bean weevil                 |
| 18059        | NC_028510 | 17271     | austrolebias                |
| 17931        | NC_026914 | 14948     | water flea                  |
| 17132        | NC_033906 | 15872     | Sinopodisma wulingshanensis |
| 16993        | NC_006887 | 16375     | tiger salamander            |
| 16892        | NC_035150 | 18974     | cat gecko                   |
| 16836        | NC_005797 | 16369     | axolotl                     |
| 16167        | NC_000891 | 17019     | platypus                    |
| 16142        | NC_014887 | 15599     | chinese grasshopper         |
| 15496        | NC_036493 | 17325     | Santa Barbara tree frog     |
| 14953        | NC_016428 | 16263     | striped field mouse         |
| 14869        | NC_020648 | 16538     | striped skunk               |
| 14732        | NC_000884 | 16801     | guinea pig                  |
| 14721        | NC_027956 | 16721     | african golden wolf         |
| 14672        | NC_026104 | 15804     | stonefly                    |
| 14538        | NC_008092 | 16729     | gray wolf 1                 |
| 14515        | NC_009686 | 16757     | gray wolf 2                 |
| 14477        | NC_008410 | 17277     | asiatic toad                |
| 14376        | NC_022415 | 16744     | white shark                 |
| 14188        | NC_035817 | 16490     | finlaysons squirrel         |
| 14080        | NC_003190 | 16715     | john dory                   |
| 14066        | NC_030247 | 16603     | labeonin                    |
| 14065        | NC_024052 | 16965     | diana tarsier               |
| 14057        | NC_011180 | 16825     | flat needlefish             |
| 13999        | NC_010570 | 16433     | pirarucu                    |
| 13881        | NC_005212 | 17047     | cheetah                     |
| 13608        | NC_023889 | 16386     | killer whale                |
| 13104        | NC_009830 | 16434     | powderblue surgeonfish      |
| 12988        | NC_020346 | 17098     | greenspot goby              |

| <b>score</b> | <b>NC</b> | <b>bp</b> | <b>common name</b>         |
|--------------|-----------|-----------|----------------------------|
| 12976        | NC_001601 | 16402     | blue whale                 |
| 12953        | NC_005958 | 16016     | alligator lizard           |
| 12932        | NC_006928 | 16408     | brydes whale               |
| 12841        | NC_011947 | 16441     | spiny tailed leatherjacket |
| 12728        | NC_011943 | 16502     | starry triggerfish         |
| 12562        | NC_027857 | 16551     | bandit angelfish           |
| 12495        | NC_031807 | 16581     | common carp                |
| 12471        | NC_009064 | 16703     | indo-pacific sergeant      |
| 12081        | NC_001788 | 16670     | wild ass                   |
| 12050        | NC_023955 | 15782     | freshwater pearl mussel    |
| 12034        | NC_020591 | 16673     | hazel grouse               |
| 11993        | NC_034122 | 14913     | congo termite              |
| 11916        | NC_028290 | 16565     | atlantic sturgeon          |
| 11761        | NC_024268 | 17937     | silver-throated bushtit    |
| 11758        | NC_033973 | 16817     | terek sandpiper            |
| 11732        | NC_029146 | 17821     | silveryeye                 |
| 11587        | NC_032058 | 17827     | abyssinian white-eye       |
| 11583        | NC_032084 | 17165     | grey burrowing snake       |
| 11252        | NC_025222 | 16560     | tonkean macaque            |
| 11203        | NC_012920 | 16569     | human                      |
| 11003        | NC_026082 | 17952     | besra                      |
| 10818        | NC_002783 | 16749     | rhea                       |
| 10769        | NC_018801 | 16775     | red-winged blackbird       |
| 10550        | NC_018804 | 16773     | saffron-cowled blackbird   |
| 10416        | NC_027847 | 17962     | grey parrot                |
| 10285        | NC_011196 | 16738     | greylag goose              |
| 10277        | NC_027241 | 16893     | goulds sunbird             |
| 10130        | NC_002083 | 16499     | orangutan                  |
| 9658         | NC_029846 | 17370     | lesser kestrel             |
| 8893         | NC_001722 | 10359     | hiv-2 (virus)              |
| 4935         | NC_035130 | 6363      | australian mosquito        |
| 2148         | NC_001499 | 5894      | abelson (virus)            |
| -3692        | NC_016577 | 2633      | AbMV (virus)               |
| -7594        | NC_020099 | 1670      | copepod                    |