

NC_001602 — grey seal (16797 bp)
LCS with gap/mismatch penalty of -1

| score | NC | bp | common name |
|--------------|-----------|-----------|------------------------|
| 10696 | NC_005212 | 17047 | cheetah |
| 10470 | NC_001700 | 17009 | cat |
| 10400 | NC_010638 | 16773 | snow leopard |
| 10211 | NC_020669 | 17112 | striped hyena |
| 9382 | NC_000845 | 16613 | wild boar |
| 9288 | NC_001601 | 16402 | blue whale |
| 9220 | NC_009692 | 16431 | sea otter |
| 9115 | NC_001321 | 16398 | fin whale |
| 8963 | NC_020648 | 16538 | striped skunk |
| 8740 | NC_008092 | 16729 | gray wolf 1 |
| 8711 | NC_009686 | 16757 | gray wolf 2 |
| 8708 | NC_002008 | 16727 | dog |
| 8654 | NC_027956 | 16721 | african golden wolf |
| 8548 | NC_001788 | 16670 | wild ass |
| 8432 | NC_024820 | 16433 | giraffe |
| 8300 | NC_006928 | 16408 | brydes whale |
| 8189 | NC_011137 | 16565 | neanderthal |
| 8172 | NC_012920 | 16569 | human |
| 8077 | NC_023889 | 16386 | killer whale |
| 7816 | NC_035817 | 16490 | finlaysons squirrel |
| 7723 | NC_022429 | 16637 | spectral bat |
| 7705 | NC_002369 | 16507 | red squirrel |
| 7562 | NC_002078 | 16816 | aardvark |
| 7476 | NC_027932 | 16232 | harvest mouse |
| 7474 | NC_024052 | 16965 | diana tarsier |
| 7406 | NC_016428 | 16263 | striped field mouse |
| 7386 | NC_021386 | 16580 | long-tailed chinchilla |
| 7247 | NC_001645 | 16364 | gorilla |
| 7118 | NC_001644 | 16563 | bonobo |
| 7051 | NC_002083 | 16499 | orangutan |
| 6959 | NC_000884 | 16801 | guinea pig |
| 6887 | NC_025222 | 16560 | tonkean macaque |
| 6541 | NC_003322 | 16996 | common wombat |
| 6290 | NC_018033 | 16683 | blood pheasant |
| 6246 | NC_028018 | 16653 | white char |
| 6222 | NC_025594 | 16802 | long-tailed rosefinch |
| 6203 | NC_020591 | 16673 | hazel grouse |
| 6135 | NC_000891 | 17019 | platypus |
| 6114 | NC_001610 | 17084 | virginia opossum |
| 6101 | NC_011943 | 16502 | starry triggerfish |

| score | NC | bp | common name |
|--------------|-----------|-----------|------------------------------|
| 6094 | NC_031807 | 16581 | common carp |
| 6028 | NC_028290 | 16565 | atlantic sturgeon |
| 6019 | NC_027847 | 17962 | grey parrot |
| 6019 | NC_009830 | 16434 | powderblue surgeonfish |
| 5974 | NC_010570 | 16433 | pirarucu |
| 5960 | NC_005958 | 16016 | alligator lizard |
| 5916 | NC_030247 | 16603 | labeonin |
| 5905 | NC_023520 | 16773 | sand tiger shark |
| 5895 | NC_022415 | 16744 | white shark |
| 5852 | NC_024853 | 16509 | moonlighter fish |
| 5812 | NC_027857 | 16551 | bandit angelfish |
| 5805 | NC_009064 | 16703 | indo-pacific sergeant |
| 5798 | NC_036391 | 16513 | yellow bullhead |
| 5776 | NC_020336 | 16525 | tiger tail seahorse |
| 5736 | NC_011180 | 16825 | flat needlefish |
| 5695 | NC_004380 | 16479 | goosefish |
| 5638 | NC_005797 | 16369 | axolotl |
| 5563 | NC_006887 | 16375 | tiger salamander |
| 5524 | NC_004390 | 16508 | tapetail |
| 5521 | NC_011947 | 16441 | spiny tailed leatherjacket |
| 5511 | NC_027241 | 16893 | goulds sunbird |
| 5496 | NC_003190 | 16715 | john dory |
| 5473 | NC_011196 | 16738 | greylag goose |
| 5472 | NC_018801 | 16775 | red-winged blackbird |
| 5447 | NC_018804 | 16773 | saffron-cowled blackbird |
| 5446 | NC_008668 | 16778 | ray-finned fish |
| 5403 | NC_015200 | 16939 | eurasian magpie |
| 5402 | NC_020346 | 17098 | greenspot goby |
| 5398 | NC_026308 | 17298 | baja california brush lizard |
| 5345 | NC_002783 | 16749 | rhea |
| 5273 | NC_033973 | 16817 | terek sandpiper |
| 5024 | NC_008410 | 17277 | asiatic toad |
| 4963 | NC_029146 | 17821 | silveryeye |
| 4953 | NC_026082 | 17952 | besra |
| 4910 | NC_029846 | 17370 | lesser kestrel |
| 4902 | NC_024268 | 17937 | silver-throated bushtit |
| 4875 | NC_032058 | 17827 | abyssinian white-eye |
| 4771 | NC_036493 | 17325 | Santa Barbara tree frog |
| 4374 | NC_028510 | 17271 | austrolebias |
| 4162 | NC_032084 | 17165 | grey burrowing snake |

| score | NC | bp | common name |
|--------------|-----------|-----------|-------------------------------|
| 4105 | NC_014175 | 16544 | peninsular horned tree lizard |
| 3278 | NC_035150 | 18974 | cat gecko |
| 3088 | NC_025923 | 20350 | Eurasian bittern |
| 1947 | NC_023955 | 15782 | freshwater pearl mussel |
| 1804 | NC_015342 | 15647 | kudzu beetle |
| 1775 | NC_034122 | 14913 | congo termite |
| 1721 | NC_026104 | 15804 | stonefly |
| 1630 | NC_013272 | 16518 | brown marmorated stink bug |
| 1600 | NC_014887 | 15599 | chinese grasshopper |
| 1542 | NC_033906 | 15872 | Sinopodisma wulingshanensis |
| 1512 | NC_029168 | 15326 | acasta sulcata |
| 1510 | NC_030265 | 15534 | european mantis |
| 1393 | NC_031858 | 16310 | pacific star shell |
| 1329 | NC_008221 | 15774 | asian longhorned beetle |
| 1308 | NC_035677 | 16130 | bean weevil |
| 1275 | NC_014295 | 15895 | eastern honey bee |
| 1271 | NC_015119 | 16803 | snow scorpionfly |
| 1230 | NC_026914 | 14948 | water flea |
| 1187 | NC_029510 | 15258 | dancing acraea |
| 1150 | NC_029498 | 15281 | yellow-banded acraea |
| 1105 | NC_016419 | 15140 | east palearctic butterfly |
| 483 | NC_022827 | 18479 | staghorn coral |
| 209 | NC_027943 | 16270 | peruvian scallop |
| 203 | NC_008161 | 14853 | stony coral |
| -105 | NC_021933 | 15282 | millipede |
| -186 | NC_000894 | 20992 | leishmania |
| -345 | NC_016198 | 14281 | giant roundworm |
| -584 | NC_019571 | 13913 | cat lungworm |
| -839 | NC_016197 | 13724 | filarial nematode |
| -882 | NC_001722 | 10359 | hiv-2 (virus) |
| -2887 | NC_023248 | 29999 | anamorphic fungus |
| -5237 | NC_035130 | 6363 | australian mosquito |
| -5415 | NC_007233 | 5990 | monkey malaria parasite |
| -5818 | NC_001499 | 5894 | abelson (virus) |
| -11531 | NC_016577 | 2633 | AbMV (virus) |
| -13457 | NC_020099 | 1670 | copepod |