

NC_016419 — east palearctic butterfly (15140 bp)

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

| score | NC | bp | common name |
|--------------|-----------|-----------|------------------------------|
| 59066 | NC_029498 | 15281 | yellow-banded acraea |
| 58374 | NC_029510 | 15258 | dancing acraea |
| 46149 | NC_015119 | 16803 | snow scorpionfly |
| 43751 | NC_008221 | 15774 | asian longhorned beetle |
| 43516 | NC_030265 | 15534 | european mantis |
| 42073 | NC_035677 | 16130 | bean weevil |
| 42006 | NC_033906 | 15872 | Sinopodisma wulingshanensis |
| 41556 | NC_014887 | 15599 | chinese grasshopper |
| 39242 | NC_013272 | 16518 | brown marmorated stink bug |
| 38204 | NC_014295 | 15895 | eastern honey bee |
| 34992 | NC_015342 | 15647 | kudzu beetle |
| 34633 | NC_026104 | 15804 | stonefly |
| 33294 | NC_034122 | 14913 | congo termite |
| 33242 | NC_026914 | 14948 | water flea |
| 29002 | NC_029168 | 15326 | acasta sulcata |
| 26705 | NC_000894 | 20992 | leishmania |
| 24781 | NC_035150 | 18974 | cat gecko |
| 24328 | NC_023248 | 29999 | anamorphic fungus |
| 23092 | NC_001610 | 17084 | virginia opossum |
| 22876 | NC_031858 | 16310 | pacific star shell |
| 22134 | NC_006887 | 16375 | tiger salamander |
| 21970 | NC_005797 | 16369 | axolotl |
| 21509 | NC_028510 | 17271 | austrolebias |
| 20879 | NC_000891 | 17019 | platypus |
| 20728 | NC_002369 | 16507 | red squirrel |
| 20669 | NC_016428 | 16263 | striped field mouse |
| 20473 | NC_002078 | 16816 | aardvark |
| 20465 | NC_020648 | 16538 | striped skunk |
| 20306 | NC_020336 | 16525 | tiger tail seahorse |
| 20232 | NC_025923 | 20350 | Eurasian bittern |
| 20091 | NC_027932 | 16232 | harvest mouse |
| 19966 | NC_024052 | 16965 | diana tarsier |
| 19924 | NC_022827 | 18479 | staghorn coral |
| 19799 | NC_016198 | 14281 | giant roundworm |
| 19721 | NC_023520 | 16773 | sand tiger shark |
| 19709 | NC_008161 | 14853 | stony coral |
| 19617 | NC_003322 | 16996 | common wombat |
| 19571 | NC_000884 | 16801 | guinea pig |
| 19453 | NC_026308 | 17298 | baja california brush lizard |
| 19449 | NC_009686 | 16757 | gray wolf 2 |

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|--------------|-----------|-----------|-------------------------|
| 19423 | NC_016197 | 13724 | filarial nematode |
| 19411 | NC_027956 | 16721 | african golden wolf |
| 19405 | NC_002008 | 16727 | dog |
| 19387 | NC_005212 | 17047 | cheetah |
| 19376 | NC_008092 | 16729 | gray wolf 1 |
| 19350 | NC_035817 | 16490 | finlaysons squirrel |
| 19321 | NC_036493 | 17325 | Santa Barbara tree frog |
| 19106 | NC_022415 | 16744 | white shark |
| 19082 | NC_019571 | 13913 | cat lungworm |
| 19058 | NC_023955 | 15782 | freshwater pearl mussel |
| 19023 | NC_030247 | 16603 | labeonin |
| 19015 | NC_000845 | 16613 | wild boar |
| 18990 | NC_010570 | 16433 | pirarucu |
| 18957 | NC_023889 | 16386 | killer whale |
| 18948 | NC_024820 | 16433 | giraffe |
| 18948 | NC_001700 | 17009 | cat |
| 18675 | NC_006928 | 16408 | brydes whale |
| 18603 | NC_005958 | 16016 | alligator lizard |
| 18582 | NC_001601 | 16402 | blue whale |
| 18531 | NC_011180 | 16825 | flat needlefish |
| 18492 | NC_001321 | 16398 | fin whale |
| 18477 | NC_021386 | 16580 | long-tailed chinchilla |
| 18418 | NC_010638 | 16773 | snow leopard |
| 18378 | NC_008410 | 17277 | asiatic toad |
| 18325 | NC_009692 | 16431 | sea otter |
| 18224 | NC_003190 | 16715 | john dory |
| 17965 | NC_008668 | 16778 | ray-finned fish |
| 17926 | NC_015200 | 16939 | eurasian magpie |
| 17903 | NC_001788 | 16670 | wild ass |
| 17852 | NC_020669 | 17112 | striped hyena |
| 17829 | NC_004390 | 16508 | tapetail |
| 17731 | NC_021933 | 15282 | millipede |
| 17706 | NC_001602 | 16797 | grey seal |
| 17686 | NC_026082 | 17952 | besra |
| 17620 | NC_029146 | 17821 | silvereye |
| 17451 | NC_036391 | 16513 | yellow bullhead |
| 17401 | NC_031807 | 16581 | common carp |
| 17285 | NC_024268 | 17937 | silver-throated bushtit |
| 17277 | NC_025222 | 16560 | tonkean macaque |
| 17211 | NC_001644 | 16563 | bonobo |

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|--------------|-----------|-----------|-------------------------------|
| 17102 | NC_020346 | 17098 | greenspot goby |
| 17007 | NC_020591 | 16673 | hazel grouse |
| 16980 | NC_032084 | 17165 | grey burrowing snake |
| 16966 | NC_011943 | 16502 | starry triggerfish |
| 16962 | NC_009830 | 16434 | powderblue surgeonfish |
| 16930 | NC_032058 | 17827 | abyssinian white-eye |
| 16869 | NC_033973 | 16817 | terek sandpiper |
| 16840 | NC_001645 | 16364 | gorilla |
| 16815 | NC_014175 | 16544 | peninsular horned tree lizard |
| 16642 | NC_012920 | 16569 | human |
| 16594 | NC_011137 | 16565 | neanderthal |
| 16588 | NC_029846 | 17370 | lesser kestrel |
| 16546 | NC_009064 | 16703 | indo-pacific sergeant |
| 16464 | NC_018033 | 16683 | blood pheasant |
| 16397 | NC_027943 | 16270 | peruvian scallop |
| 16333 | NC_024853 | 16509 | moonlighter fish |
| 16301 | NC_028290 | 16565 | atlantic sturgeon |
| 16193 | NC_028018 | 16653 | white char |
| 16170 | NC_027857 | 16551 | bandit angelfish |
| 16112 | NC_018801 | 16775 | red-winged blackbird |
| 16063 | NC_025594 | 16802 | long-tailed rosefinch |
| 15958 | NC_027241 | 16893 | goulds sunbird |
| 15859 | NC_022429 | 16637 | spectral bat |
| 15833 | NC_018804 | 16773 | saffron-cowled blackbird |
| 15789 | NC_002083 | 16499 | orangutan |
| 15388 | NC_027847 | 17962 | grey parrot |
| 15362 | NC_011196 | 16738 | greylag goose |
| 15327 | NC_002783 | 16749 | rhea |
| 15322 | NC_011947 | 16441 | spiny tailed leatherjacket |
| 15284 | NC_004380 | 16479 | goosefish |
| 9623 | NC_001722 | 10359 | hiv-2 (virus) |
| 6627 | NC_007233 | 5990 | monkey malaria parasite |
| 3169 | NC_035130 | 6363 | australian mosquito |
| 924 | NC_001499 | 5894 | abelson (virus) |
| -4738 | NC_016577 | 2633 | AbMV (virus) |
| -8324 | NC_020099 | 1670 | copepod |