

**NC\_036493 — Santa Barbara tree frog (17325 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>           |
|--------------|-----------|-----------|------------------------------|
| 47097        | NC_008410 | 17277     | asiatic toad                 |
| 38633        | NC_009064 | 16703     | indo-pacific sergeant        |
| 38310        | NC_020346 | 17098     | greenspot goby               |
| 38217        | NC_030247 | 16603     | labeonin                     |
| 38187        | NC_023520 | 16773     | sand tiger shark             |
| 38172        | NC_031807 | 16581     | common carp                  |
| 38107        | NC_022415 | 16744     | white shark                  |
| 38047        | NC_008668 | 16778     | ray-finned fish              |
| 38021        | NC_005797 | 16369     | axolotl                      |
| 38010        | NC_006887 | 16375     | tiger salamander             |
| 37848        | NC_028290 | 16565     | atlantic sturgeon            |
| 37830        | NC_011180 | 16825     | flat needlefish              |
| 37787        | NC_003190 | 16715     | john dory                    |
| 37721        | NC_010570 | 16433     | pirarucu                     |
| 37599        | NC_011943 | 16502     | starry triggerfish           |
| 37590        | NC_020336 | 16525     | tiger tail seahorse          |
| 37553        | NC_036391 | 16513     | yellow bullhead              |
| 37529        | NC_026308 | 17298     | baja california brush lizard |
| 37462        | NC_009830 | 16434     | powderblue surgeonfish       |
| 37227        | NC_027857 | 16551     | bandit angelfish             |
| 37081        | NC_024853 | 16509     | moonlighter fish             |
| 37005        | NC_003322 | 16996     | common wombat                |
| 36879        | NC_002078 | 16816     | aardvark                     |
| 36861        | NC_004390 | 16508     | tapetail                     |
| 36707        | NC_001610 | 17084     | virginia opossum             |
| 36675        | NC_002369 | 16507     | red squirrel                 |
| 36588        | NC_004380 | 16479     | goosefish                    |
| 36568        | NC_011947 | 16441     | spiny tailed leatherjacket   |
| 36542        | NC_001788 | 16670     | wild ass                     |
| 36524        | NC_024052 | 16965     | diana tarsier                |
| 36511        | NC_009686 | 16757     | gray wolf 2                  |
| 36455        | NC_002008 | 16727     | dog                          |
| 36433        | NC_008092 | 16729     | gray wolf 1                  |
| 36389        | NC_000884 | 16801     | guinea pig                   |
| 36350        | NC_035817 | 16490     | finlaysons squirrel          |
| 36349        | NC_027956 | 16721     | african golden wolf          |
| 36320        | NC_000891 | 17019     | platypus                     |
| 36213        | NC_028510 | 17271     | austrolebias                 |
| 36092        | NC_016428 | 16263     | striped field mouse          |
| 35984        | NC_020648 | 16538     | striped skunk                |

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|--------------|-----------|-----------|--------------------------|
| 35982        | NC.024820 | 16433     | giraffe                  |
| 35973        | NC.022429 | 16637     | spectral bat             |
| 35913        | NC.021386 | 16580     | long-tailed chinchilla   |
| 35899        | NC.015200 | 16939     | eurasian magpie          |
| 35874        | NC.009692 | 16431     | sea otter                |
| 35851        | NC.018801 | 16775     | red-winged blackbird     |
| 35832        | NC.027932 | 16232     | harvest mouse            |
| 35723        | NC.005212 | 17047     | cheetah                  |
| 35722        | NC.029146 | 17821     | silveryeye               |
| 35708        | NC.006928 | 16408     | brydes whale             |
| 35675        | NC.018804 | 16773     | saffron-cowled blackbird |
| 35656        | NC.001321 | 16398     | fin whale                |
| 35603        | NC.020669 | 17112     | striped hyena            |
| 35584        | NC.001700 | 17009     | cat                      |
| 35495        | NC.035150 | 18974     | cat gecko                |
| 35461        | NC.026082 | 17952     | besra                    |
| 35461        | NC.024268 | 17937     | silver-throated bushtit  |
| 35440        | NC.002783 | 16749     | rhea                     |
| 35402        | NC.005958 | 16016     | alligator lizard         |
| 35393        | NC.001601 | 16402     | blue whale               |
| 35378        | NC.032058 | 17827     | abyssinian white-eye     |
| 35330        | NC.033973 | 16817     | terek sandpiper          |
| 35303        | NC.001644 | 16563     | bonobo                   |
| 35302        | NC.011196 | 16738     | greylag goose            |
| 35190        | NC.023889 | 16386     | killer whale             |
| 35181        | NC.010638 | 16773     | snow leopard             |
| 35091        | NC.025923 | 20350     | Eurasian bittern         |
| 35005        | NC.028018 | 16653     | white char               |
| 34987        | NC.027241 | 16893     | goulds sunbird           |
| 34878        | NC.029846 | 17370     | lesser kestrel           |
| 34845        | NC.001645 | 16364     | gorilla                  |
| 34802        | NC.001602 | 16797     | grey seal                |
| 34537        | NC.027847 | 17962     | grey parrot              |
| 34511        | NC.025222 | 16560     | tonkean macaque          |
| 34456        | NC.011137 | 16565     | neanderthal              |
| 34409        | NC.002083 | 16499     | orangutan                |
| 34372        | NC.012920 | 16569     | human                    |
| 34077        | NC.018033 | 16683     | blood pheasant           |
| 34039        | NC.025594 | 16802     | long-tailed rosefinch    |
| 33619        | NC.020591 | 16673     | hazel grouse             |

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|--------------|-----------|-----------|-------------------------------|
| 33302        | NC_000845 | 16613     | wild boar                     |
| 31614        | NC_014175 | 16544     | peninsular horned tree lizard |
| 31421        | NC_032084 | 17165     | grey burrowing snake          |
| 22828        | NC_023248 | 29999     | anamorphic fungus             |
| 20755        | NC_023955 | 15782     | freshwater pearl mussel       |
| 20511        | NC_026104 | 15804     | stonefly                      |
| 20249        | NC_029168 | 15326     | acasta sulcata                |
| 20161        | NC_013272 | 16518     | brown marmorated stink bug    |
| 20139        | NC_015119 | 16803     | snow scorpionfly              |
| 19982        | NC_030265 | 15534     | european mantis               |
| 19963        | NC_035677 | 16130     | bean weevil                   |
| 19962        | NC_022827 | 18479     | staghorn coral                |
| 19875        | NC_015342 | 15647     | kudzu beetle                  |
| 19866        | NC_008221 | 15774     | asian longhorned beetle       |
| 19806        | NC_031858 | 16310     | pacific star shell            |
| 19617        | NC_033906 | 15872     | Sinopodisma wulingshanensis   |
| 19588        | NC_029510 | 15258     | dancing acraea                |
| 19557        | NC_014295 | 15895     | eastern honey bee             |
| 19494        | NC_029498 | 15281     | yellow-banded acraea          |
| 19461        | NC_014887 | 15599     | chinese grasshopper           |
| 19321        | NC_016419 | 15140     | east palearctic butterfly     |
| 19285        | NC_034122 | 14913     | congo termite                 |
| 19239        | NC_026914 | 14948     | water flea                    |
| 18813        | NC_000894 | 20992     | leishmania                    |
| 17666        | NC_021933 | 15282     | millipede                     |
| 17541        | NC_008161 | 14853     | stony coral                   |
| 17524        | NC_027943 | 16270     | peruvian scallop              |
| 15496        | NC_016198 | 14281     | giant roundworm               |
| 15224        | NC_019571 | 13913     | cat lungworm                  |
| 14560        | NC_016197 | 13724     | filarial nematode             |
| 12682        | NC_001722 | 10359     | hiv-2 (virus)                 |
| 5604         | NC_007233 | 5990      | monkey malaria parasite       |
| 5082         | NC_035130 | 6363      | australian mosquito           |
| 3979         | NC_001499 | 5894      | abelson (virus)               |
| -5821        | NC_016577 | 2633      | AbMV (virus)                  |
| -9769        | NC_020099 | 1670      | copepod                       |