

**NC\_001601 — blue whale (16402 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>
71137	NC_001321	16398	fin whale
69561	NC_006928	16408	brydes whale
57402	NC_023889	16386	killer whale
51897	NC_024820	16433	giraffe
51127	NC_000845	16613	wild boar
50960	NC_005212	17047	cheetah
50725	NC_001788	16670	wild ass
50664	NC_001602	16797	grey seal
50605	NC_001700	17009	cat
50504	NC_020669	17112	striped hyena
50194	NC_010638	16773	snow leopard
48482	NC_009692	16431	sea otter
47904	NC_008092	16729	gray wolf 1
47824	NC_009686	16757	gray wolf 2
47765	NC_002008	16727	dog
47643	NC_020648	16538	striped skunk
47549	NC_027956	16721	african golden wolf
47020	NC_022429	16637	spectral bat
46445	NC_024052	16965	diana tarsier
46430	NC_002078	16816	aardvark
46418	NC_035817	16490	finlaysons squirrel
46242	NC_012920	16569	human
46159	NC_011137	16565	neanderthal
46051	NC_002369	16507	red squirrel
45194	NC_021386	16580	long-tailed chinchilla
44788	NC_001644	16563	bonobo
44488	NC_027932	16232	harvest mouse
44467	NC_001645	16364	gorilla
44338	NC_016428	16263	striped field mouse
44092	NC_002083	16499	orangutan
43996	NC_000884	16801	guinea pig
43487	NC_025222	16560	tonkean macaque
43020	NC_003322	16996	common wombat
41495	NC_001610	17084	virginia opossum
41323	NC_000891	17019	platypus
39657	NC_023520	16773	sand tiger shark
39325	NC_031807	16581	common carp
39291	NC_022415	16744	white shark
39196	NC_028290	16565	atlantic sturgeon
39106	NC_026308	17298	baja california brush lizard

<b>score</b>	<b>NC</b>	<b>bp</b>	<b>common name</b>
39035	NC_030247	16603	labeonin
38977	NC_010570	16433	pirarucu
38811	NC_011180	16825	flat needlefish
38745	NC_011943	16502	starry triggerfish
38745	NC_009064	16703	indo-pacific sergeant
38572	NC_009830	16434	powderblue surgeonfish
38567	NC_005958	16016	alligator lizard
38512	NC_020336	16525	tiger tail seahorse
38477	NC_027857	16551	bandit angelfish
38237	NC_024853	16509	moonlighter fish
38144	NC_020346	17098	greenspot goby
38101	NC_036391	16513	yellow bullhead
37929	NC_005797	16369	axolotl
37758	NC_025594	16802	long-tailed rosefinch
37681	NC_006887	16375	tiger salamander
37672	NC_008668	16778	ray-finned fish
37646	NC_018033	16683	blood pheasant
37588	NC_004390	16508	tapetail
37578	NC_004380	16479	goosefish
37486	NC_003190	16715	john dory
37214	NC_027847	17962	grey parrot
37202	NC_020591	16673	hazel grouse
37194	NC_027241	16893	goulds sunbird
37193	NC_018801	16775	red-winged blackbird
37117	NC_018804	16773	saffron-cowled blackbird
37113	NC_028018	16653	white char
37066	NC_011947	16441	spiny tailed leatherjacket
37003	NC_015200	16939	eurasian magpie
36970	NC_026082	17952	besra
36907	NC_024268	17937	silver-throated bushtit
36830	NC_029146	17821	silvereye
36562	NC_011196	16738	greylag goose
36547	NC_032058	17827	abyssinian white-eye
36547	NC_002783	16749	rhea
36355	NC_008410	17277	asiatic toad
36154	NC_033973	16817	terek sandpiper
36070	NC_025923	20350	Eurasian bittern
36028	NC_029846	17370	lesser kestrel
35393	NC_036493	17325	Santa Barbara tree frog
34318	NC_028510	17271	austrolebias

<b>score</b>	<b>NC</b>	<b>bp</b>	<b>common name</b>
33025	NC_035150	18974	cat gecko
32727	NC_032084	17165	grey burrowing snake
32385	NC_014175	16544	peninsular horned tree lizard
21572	NC_023248	29999	anamorphic fungus
21176	NC_023955	15782	freshwater pearl mussel
20812	NC_026104	15804	stonefly
20705	NC_015342	15647	kudzu beetle
20364	NC_013272	16518	brown marmorated stink bug
20067	NC_034122	14913	congo termite
20045	NC_014887	15599	chinese grasshopper
19866	NC_033906	15872	<i>Sinopodisma wulingshanensis</i>
19755	NC_030265	15534	european mantis
19661	NC_029168	15326	<i>acasta sulcata</i>
19658	NC_035677	16130	bean weevil
19536	NC_031858	16310	pacific star shell
19453	NC_008221	15774	asian longhorned beetle
19211	NC_015119	16803	snow scorpionfly
18946	NC_014295	15895	eastern honey bee
18945	NC_029510	15258	dancing acraea
18812	NC_029498	15281	yellow-banded acraea
18747	NC_026914	14948	water flea
18582	NC_016419	15140	east palearctic butterfly
17792	NC_022827	18479	staghorn coral
17745	NC_000894	20992	leishmania
15459	NC_008161	14853	stony coral
15430	NC_027943	16270	peruvian scallop
14378	NC_021933	15282	millipede
13105	NC_001722	10359	hiv-2 (virus)
12976	NC_016198	14281	giant roundworm
12137	NC_019571	13913	cat lungworm
11420	NC_016197	13724	filarial nematode
5671	NC_007233	5990	monkey malaria parasite
5092	NC_035130	6363	australian mosquito
4200	NC_001499	5894	abelson (virus)
-5147	NC_016577	2633	AbMV (virus)
-8893	NC_020099	1670	copepod