

**NC\_009692 — sea otter (16431 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>
54813	NC_020648	16538	striped skunk
54211	NC_008092	16729	gray wolf 1
54203	NC_009686	16757	gray wolf 2
54141	NC_002008	16727	dog
53633	NC_027956	16721	african golden wolf
52929	NC_001602	16797	grey seal
52800	NC_001788	16670	wild ass
51922	NC_005212	17047	cheetah
51785	NC_001700	17009	cat
51668	NC_020669	17112	striped hyena
51188	NC_010638	16773	snow leopard
50567	NC_024820	16433	giraffe
49924	NC_006928	16408	brydes whale
48978	NC_023889	16386	killer whale
48724	NC_002078	16816	aardvark
48482	NC_001601	16402	blue whale
48415	NC_024052	16965	diana tarsier
47980	NC_001321	16398	fin whale
47973	NC_022429	16637	spectral bat
47815	NC_035817	16490	finlaysons squirrel
47478	NC_000845	16613	wild boar
47190	NC_021386	16580	long-tailed chinchilla
47045	NC_002369	16507	red squirrel
46127	NC_027932	16232	harvest mouse
46026	NC_000884	16801	guinea pig
45885	NC_016428	16263	striped field mouse
45065	NC_001644	16563	bonobo
44922	NC_002083	16499	orangutan
44805	NC_001645	16364	gorilla
43988	NC_025222	16560	tonkean macaque
43910	NC_003322	16996	common wombat
43578	NC_012920	16569	human
43491	NC_011137	16565	neanderthal
43138	NC_001610	17084	virginia opossum
42159	NC_000891	17019	platypus
40046	NC_026308	17298	baja california brush lizard
40020	NC_023520	16773	sand tiger shark
39898	NC_031807	16581	common carp
39702	NC_022415	16744	white shark
39654	NC_030247	16603	labeonin

<b>score</b>	<b>NC</b>	<b>bp</b>	<b>common name</b>
39590	NC_028290	16565	atlantic sturgeon
39260	NC_011943	16502	starry triggerfish
39236	NC_011180	16825	flat needlefish
39069	NC_020336	16525	tiger tail seahorse
38986	NC_010570	16433	pirarucu
38906	NC_009830	16434	powderblue surgeonfish
38822	NC_036391	16513	yellow bullhead
38818	NC_009064	16703	indo-pacific sergeant
38807	NC_003190	16715	john dory
38662	NC_020346	17098	greenspot goby
38601	NC_024853	16509	moonlighter fish
38556	NC_005797	16369	axolotl
38430	NC_006887	16375	tiger salamander
38340	NC_008668	16778	ray-finned fish
38237	NC_027857	16551	bandit angelfish
38225	NC_018804	16773	saffron-cowled blackbird
38053	NC_018801	16775	red-winged blackbird
37981	NC_027241	16893	goulds sunbird
37973	NC_015200	16939	eurasian magpie
37911	NC_004380	16479	goosefish
37861	NC_005958	16016	alligator lizard
37675	NC_011196	16738	greylag goose
37525	NC_004390	16508	tapetail
37472	NC_002783	16749	rhea
37352	NC_029846	17370	lesser kestrel
37343	NC_033973	16817	terek sandpiper
37326	NC_024268	17937	silver-throated bushtit
37312	NC_011947	16441	spiny tailed leatherjacket
37226	NC_026082	17952	besra
36958	NC_029146	17821	silveryeye
36806	NC_018033	16683	blood pheasant
36766	NC_025923	20350	Eurasian bittern
36701	NC_008410	17277	asiatic toad
36675	NC_032058	17827	abyssinian white-eye
36586	NC_025594	16802	long-tailed rosefinch
36398	NC_027847	17962	grey parrot
35880	NC_020591	16673	hazel grouse
35874	NC_036493	17325	Santa Barbara tree frog
35559	NC_028018	16653	white char
34834	NC_028510	17271	austrolebias

<b>score</b>	<b>NC</b>	<b>bp</b>	<b>common name</b>
34231	NC_035150	18974	cat gecko
33446	NC_032084	17165	grey burrowing snake
33097	NC_014175	16544	peninsular horned tree lizard
21502	NC_023248	29999	anamorphic fungus
21405	NC_023955	15782	freshwater pearl mussel
20465	NC_026104	15804	stonefly
20398	NC_015342	15647	kudzu beetle
20356	NC_013272	16518	brown marmorated stink bug
20038	NC_034122	14913	congo termite
19757	NC_033906	15872	<i>Sinopodisma wulingshanensis</i>
19627	NC_014887	15599	chinese grasshopper
19568	NC_030265	15534	european mantis
19418	NC_029168	15326	<i>acasta sulcata</i>
19418	NC_008221	15774	asian longhorned beetle
19368	NC_035677	16130	bean weevil
19334	NC_031858	16310	pacific star shell
19196	NC_015119	16803	snow scorpionfly
18788	NC_026914	14948	water flea
18627	NC_014295	15895	eastern honey bee
18558	NC_029498	15281	yellow-banded acraea
18409	NC_029510	15258	dancing acraea
18325	NC_016419	15140	east palearctic butterfly
18031	NC_022827	18479	staghorn coral
17300	NC_000894	20992	leishmania
15540	NC_027943	16270	peruvian scallop
15478	NC_008161	14853	stony coral
15423	NC_021933	15282	millipede
13220	NC_001722	10359	hiv-2 (virus)
12989	NC_016198	14281	giant roundworm
12389	NC_019571	13913	cat lungworm
11685	NC_016197	13724	filarial nematode
5675	NC_007233	5990	monkey malaria parasite
5364	NC_035130	6363	australian mosquito
4261	NC_001499	5894	abelson (virus)
-5099	NC_016577	2633	AbMV (virus)
-8901	NC_020099	1670	copepod