

**NC.021386 — long-tailed chinchilla (16580 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>
49423	NC_000884	16801	guinea pig
48932	NC_001788	16670	wild ass
47639	NC_024052	16965	diana tarsier
47540	NC_002078	16816	aardvark
47190	NC_009692	16431	sea otter
47069	NC_035817	16490	finlaysons squirrel
46997	NC_024820	16433	giraffe
46920	NC_006928	16408	brydes whale
46780	NC_002369	16507	red squirrel
46673	NC_008092	16729	gray wolf 1
46667	NC_009686	16757	gray wolf 2
46663	NC_020648	16538	striped skunk
46511	NC_002008	16727	dog
46303	NC_022429	16637	spectral bat
46128	NC_027956	16721	african golden wolf
46053	NC_016428	16263	striped field mouse
45841	NC_027932	16232	harvest mouse
45635	NC_020669	17112	striped hyena
45527	NC_023889	16386	killer whale
45267	NC_001644	16563	bonobo
45194	NC_001601	16402	blue whale
45094	NC_005212	17047	cheetah
45018	NC_002083	16499	orangutan
45012	NC_001321	16398	fin whale
44896	NC_001700	17009	cat
44814	NC_001645	16364	gorilla
44775	NC_001602	16797	grey seal
44636	NC_010638	16773	snow leopard
44376	NC_025222	16560	tonkean macaque
44097	NC_000845	16613	wild boar
43694	NC_003322	16996	common wombat
43413	NC_011137	16565	neanderthal
43326	NC_012920	16569	human
42997	NC_001610	17084	virginia opossum
41922	NC_000891	17019	platypus
40375	NC_026308	17298	baja california brush lizard
39896	NC_023520	16773	sand tiger shark
39653	NC_031807	16581	common carp
39409	NC_030247	16603	labeonin
39349	NC_022415	16744	white shark

<b>score</b>	<b>NC</b>	<b>bp</b>	<b>common name</b>
39346	NC_028290	16565	atlantic sturgeon
39074	NC_011943	16502	starry triggerfish
38907	NC_010570	16433	pirarucu
38832	NC_011180	16825	flat needlefish
38819	NC_020336	16525	tiger tail seahorse
38804	NC_009064	16703	indo-pacific sergeant
38740	NC_020346	17098	greenspot goby
38726	NC_009830	16434	powderblue surgeonfish
38426	NC_027241	16893	goulds sunbird
38425	NC_024853	16509	moonlighter fish
38425	NC_015200	16939	eurasian magpie
38341	NC_018801	16775	red-winged blackbird
38298	NC_003190	16715	john dory
38255	NC_018804	16773	saffron-cowled blackbird
38212	NC_005958	16016	alligator lizard
38167	NC_027857	16551	bandit angelfish
38118	NC_008668	16778	ray-finned fish
38112	NC_036391	16513	yellow bullhead
38107	NC_005797	16369	axolotl
37886	NC_006887	16375	tiger salamander
37855	NC_011196	16738	greylag goose
37726	NC_026082	17952	besra
37698	NC_024268	17937	silver-throated bushtit
37526	NC_029146	17821	silveryeye
37481	NC_004380	16479	goosefish
37398	NC_032058	17827	abyssinian white-eye
37397	NC_004390	16508	tapetail
37391	NC_002783	16749	rhea
37340	NC_033973	16817	terek sandpiper
37261	NC_025923	20350	Eurasian bittern
37218	NC_029846	17370	lesser kestrel
36968	NC_011947	16441	spiny tailed leatherjacket
36737	NC_025594	16802	long-tailed rosefinch
36651	NC_008410	17277	asiatic toad
36583	NC_027847	17962	grey parrot
36548	NC_018033	16683	blood pheasant
36312	NC_020591	16673	hazel grouse
35913	NC_036493	17325	Santa Barbara tree frog
35427	NC_028018	16653	white char
34790	NC_028510	17271	austrolebias

<b>score</b>	<b>NC</b>	<b>bp</b>	<b>common name</b>
34659	NC_035150	18974	cat gecko
33971	NC_032084	17165	grey burrowing snake
33825	NC_014175	16544	peninsular horned tree lizard
21656	NC_023955	15782	freshwater pearl mussel
21336	NC_023248	29999	anamorphic fungus
20712	NC_026104	15804	stonefly
20509	NC_015342	15647	kudzu beetle
20352	NC_013272	16518	brown marmorated stink bug
20239	NC_034122	14913	congo termite
20110	NC_014887	15599	chinese grasshopper
19956	NC_033906	15872	<i>Sinopodisma wulingshanensis</i>
19833	NC_030265	15534	european mantis
19586	NC_008221	15774	asian longhorned beetle
19553	NC_035677	16130	bean weevil
19271	NC_015119	16803	snow scorpionfly
19237	NC_029168	15326	<i>acasta sulcata</i>
19141	NC_031858	16310	pacific star shell
18830	NC_014295	15895	eastern honey bee
18720	NC_026914	14948	water flea
18703	NC_029510	15258	dancing acraea
18696	NC_029498	15281	yellow-banded acraea
18477	NC_016419	15140	east paleartic butterfly
17661	NC_022827	18479	staghorn coral
17406	NC_000894	20992	leishmania
15148	NC_008161	14853	stony coral
15043	NC_027943	16270	peruvian scallop
14540	NC_021933	15282	millipede
12855	NC_001722	10359	hiv-2 (virus)
12230	NC_016198	14281	giant roundworm
11622	NC_019571	13913	cat lungworm
10864	NC_016197	13724	filarial nematode
5518	NC_007233	5990	monkey malaria parasite
4935	NC_035130	6363	australian mosquito
4038	NC_001499	5894	abelson (virus)
-5352	NC_016577	2633	AbMV (virus)
-9056	NC_020099	1670	copepod