

**NC\_035677 — bean weevil (16130 bp)**  
pure LCS computation

| <b>score</b> | <b>NC</b> | <b>bp</b> | <b>common name</b>          |
|--------------|-----------|-----------|-----------------------------|
| 7589         | NC_023248 | 29999     | anamorphic fungus           |
| 6363         | NC_035130 | 6363      | australian mosquito         |
| 5894         | NC_001499 | 5894      | abelson (virus)             |
| 5490         | NC_015119 | 16803     | snow scorpionfly            |
| 5427         | NC_000894 | 20992     | leishmania                  |
| 5248         | NC_033906 | 15872     | Sinopodisma wulingshanensis |
| 5206         | NC_029510 | 15258     | dancing acraea              |
| 5104         | NC_014887 | 15599     | chinese grasshopper         |
| 4814         | NC_026104 | 15804     | stonefly                    |
| 4786         | NC_035150 | 18974     | cat gecko                   |
| 4774         | NC_031858 | 16310     | pacific star shell          |
| 4737         | NC_006887 | 16375     | tiger salamander            |
| 4733         | NC_029168 | 15326     | acasta sulcata              |
| 4722         | NC_005797 | 16369     | axolotl                     |
| 4686         | NC_020648 | 16538     | striped skunk               |
| 4680         | NC_000891 | 17019     | platypus                    |
| 4638         | NC_008092 | 16729     | gray wolf 1                 |
| 4619         | NC_010570 | 16433     | pirarucu                    |
| 4604         | NC_016428 | 16263     | striped field mouse         |
| 4593         | NC_034122 | 14913     | congo termite               |
| 4591         | NC_024052 | 16965     | diana tarsier               |
| 4571         | NC_027956 | 16721     | african golden wolf         |
| 4563         | NC_009686 | 16757     | gray wolf 2                 |
| 4559         | NC_028510 | 17271     | austrolebias                |
| 4554         | NC_030247 | 16603     | labeonin                    |
| 4538         | NC_000884 | 16801     | guinea pig                  |
| 4534         | NC_023889 | 16386     | killer whale                |
| 4525         | NC_035817 | 16490     | finlaysons squirrel         |
| 4519         | NC_005958 | 16016     | alligator lizard            |
| 4517         | NC_026914 | 14948     | water flea                  |
| 4506         | NC_006928 | 16408     | brydes whale                |
| 4498         | NC_022415 | 16744     | white shark                 |
| 4481         | NC_001601 | 16402     | blue whale                  |
| 4478         | NC_022827 | 18479     | staghorn coral              |
| 4469         | NC_036493 | 17325     | Santa Barbara tree frog     |
| 4469         | NC_005212 | 17047     | cheetah                     |
| 4459         | NC_008410 | 17277     | asiatic toad                |
| 4452         | NC_023955 | 15782     | freshwater pearl mussel     |
| 4444         | NC_025222 | 16560     | tonkean macaque             |
| 4426         | NC_011180 | 16825     | flat needlefish             |

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|--------------|-----------|-----------|----------------------------|
| 4406         | NC_032084 | 17165     | grey burrowing snake       |
| 4399         | NC_018801 | 16775     | red-winged blackbird       |
| 4394         | NC_029146 | 17821     | silveryeye                 |
| 4379         | NC_033973 | 16817     | terek sandpiper            |
| 4373         | NC_020591 | 16673     | hazel grouse               |
| 4358         | NC_003190 | 16715     | john dory                  |
| 4357         | NC_008161 | 14853     | stony coral                |
| 4357         | NC_001788 | 16670     | wild ass                   |
| 4355         | NC_031807 | 16581     | common carp                |
| 4353         | NC_011943 | 16502     | starry triggerfish         |
| 4352         | NC_024268 | 17937     | silver-throated bushtit    |
| 4340         | NC_018804 | 16773     | saffron-cowled blackbird   |
| 4339         | NC_026082 | 17952     | besra                      |
| 4327         | NC_027241 | 16893     | goulds sunbird             |
| 4317         | NC_011947 | 16441     | spiny tailed leatherjacket |
| 4312         | NC_002083 | 16499     | orangutan                  |
| 4301         | NC_027857 | 16551     | bandit angelfish           |
| 4281         | NC_032058 | 17827     | abyssinian white-eye       |
| 4273         | NC_012920 | 16569     | human                      |
| 4271         | NC_020346 | 17098     | greenspot goby             |
| 4266         | NC_029846 | 17370     | lesser kestrel             |
| 4253         | NC_016198 | 14281     | giant roundworm            |
| 4240         | NC_009064 | 16703     | indo-pacific sergeant      |
| 4228         | NC_011196 | 16738     | greylag goose              |
| 4221         | NC_021933 | 15282     | millipede                  |
| 4221         | NC_009830 | 16434     | powderblue surgeonfish     |
| 4214         | NC_016197 | 13724     | filarial nematode          |
| 4184         | NC_027847 | 17962     | grey parrot                |
| 4164         | NC_002783 | 16749     | rhea                       |
| 4150         | NC_019571 | 13913     | cat lungworm               |
| 4076         | NC_028290 | 16565     | atlantic sturgeon          |
| 2640         | NC_001722 | 10359     | hiv-2 (virus)              |
| 2633         | NC_016577 | 2633      | AbMV (virus)               |
| 1670         | NC_020099 | 1670      | copepod                    |