

Sheet1

NCBI tax Name	Number of interactions
4932 <i>Saccharomyces cerevisiae</i>	115562
9606 <i>Homo sapiens</i>	114618
7227 <i>Drosophila melanogaster</i>	46244
197 <i>Campylobacter jejuni</i>	11998
4896 <i>Schizosaccharomyces pombe</i>	11831
6239 <i>Caenorhabditis elegans</i>	11793
10090 <i>Mus musculus</i>	8569
83333 <i>Escherichia coli</i> K-12	7482
3702 <i>Arabidopsis thaliana</i>	5354
155864 <i>Escherichia coli</i> O157:H7 EDL933	4928
160 <i>Treponema pallidum</i>	3646
1148 <i>Synechocystis</i> sp. PCC 6803	3166
36329 <i>Plasmodium falciparum</i> 3D7	2731
10116 <i>Rattus norvegicus</i>	2650
85962 <i>Helicobacter pylori</i> 26695	1598
32630 synthetic construct	1489
11676 Human immunodeficiency virus 1	1283
511145 <i>Escherichia coli</i> str. K-12 substr. MG1655	1278
562 <i>Escherichia coli</i>	1217
0 \N	1176
386585 <i>Escherichia coli</i> O157:H7 str. Sakai	1069
9913 <i>Bos taurus</i>	883
39947 <i>Oryza sativa</i> Japonica Group	500
623 <i>Shigella flexneri</i>	386
246197 <i>Myxococcus xanthus</i> DK 1622	377
4530 <i>Oryza sativa</i>	285
272951 <i>Rickettsia sibirica</i> 246	284
9031 <i>Gallus gallus</i>	266
8355 <i>Xenopus laevis</i>	264
274 <i>Thermus thermophilus</i>	218
1423 <i>Bacillus subtilis</i>	207
1313 <i>Streptococcus pneumoniae</i>	170
9823 <i>Sus scrofa</i>	152
9986 <i>Oryctolagus cuniculus</i>	148
-2 \N	120
602 \N	116
11103 Hepatitis C virus	105
1773 <i>Mycobacterium tuberculosis</i>	105
2336 <i>Thermotoga maritima</i>	98

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199310 <i>Escherichia coli</i> CFT073	98
287 <i>Pseudomonas aeruginosa</i>	93
85963 <i>Helicobacter pylori</i> J99	92
44689 <i>Dictyostelium discoideum</i>	91
4102 <i>Petunia x hybrida</i>	89
146786 <i>Thermosynechococcus elongatus</i>	84
1422 <i>Geobacillus stearothermophilus</i>	75
3562 <i>Spinacia oleracea</i>	75
7955 <i>Danio rerio</i>	70
243274 <i>Thermotoga maritima</i> MSB8	69
1280 <i>Staphylococcus aureus</i>	67
3888 <i>Pisum sativum</i>	64
1063 <i>Rhodobacter sphaeroides</i>	61
303 <i>Pseudomonas putida</i>	60
40674 Mammalia	58
727 <i>Haemophilus influenzae</i>	57
4565 <i>Triticum aestivum</i>	56
3055 <i>Chlamydomonas reinhardtii</i>	53
190486 <i>Xanthomonas axonopodis</i> pv. <i>citri</i> str. 306	51
5691 <i>Trypanosoma brucei</i>	50
10254 <i>Vaccinia virus</i> WR	50
197221 <i>Thermosynechococcus elongatus</i> BP-1	48
2261 <i>Pyrococcus furiosus</i>	47
4113 <i>Solanum tuberosum</i>	47
9615 <i>Canis lupus familiaris</i>	47
4577 <i>Zea mays</i>	44
266 <i>Paracoccus denitrificans</i>	42
4081 <i>Solanum lycopersicum</i>	42
2234 <i>Archaeoglobus fulgidus</i>	40
271 <i>Thermus aquaticus</i>	39
145262 <i>Methanothermobacter thermautotrophicus</i>	39
210 <i>Helicobacter pylori</i>	39
358 <i>Agrobacterium tumefaciens</i>	38
300852 <i>Thermus thermophilus</i> HB8	38
2238 <i>Haloarcula marismortui</i>	38
10760 <i>Enterobacteria phage</i> T7	36
63363 <i>Aquifex aeolicus</i>	35
32046 <i>Synechococcus elongatus</i>	34
4513 <i>Hordeum vulgare</i>	34
4097 <i>Nicotiana tabacum</i>	34

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10298 Human herpesvirus 1	33
5833 Plasmodium falciparum	33
53953 Pyrococcus horikoshii	32
1390 Bacillus amyloliquefaciens	32
1895 Streptomyces avidinii	32
10665 Enterobacteria phage T4	32
39946 Oryza sativa Indica Group	31
316407 Escherichia coli str. K-12 substr. W3110	30
10376 Human herpesvirus 4	30
187420 Methanothermobacter thermoautotrophicus str. Delta H	30
1392 Bacillus anthracis	30
10633 Simian virus 40	29
333760 Human papillomavirus type 16	28
31647 Hepatitis C virus subtype 1b	28
1140 Synechococcus elongatus PCC 7942	28
83332 Mycobacterium tuberculosis H37Rv	27
2287 Sulfolobus solfataricus	26
208964 Pseudomonas aeruginosa PAO1	26
666 Vibrio cholerae	26
9103 Meleagris gallopavo	25
11908 Human T-lymphotropic virus 1	25
2190 Methanocaldococcus jannaschii	25
573 Klebsiella pneumoniae	25
70601 Pyrococcus horikoshii OT3	25
10515 Human adenovirus 2	24
1314 Streptococcus pyogenes	24
360111 Campylobacter jejuni subsp. jejuni CF93-6	24
10095 Mus sp.	24
10117 Rattus rattus	23
10029 Cricetulus griseus	23
10245 Vaccinia virus	23
83541 Mastigocladus laminosus	23
354242 Campylobacter jejuni subsp. jejuni 81-176	23
11309 unidentified influenza virus	23
1299 Deinococcus radiodurans	22
243232 Methanocaldococcus jannaschii DSM 2661	22
6421 Hirudo medicinalis	21
1911 Streptomyces griseus	21
9796 Equus caballus	21
354 Azotobacter vinelandii	21

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176299 <i>Agrobacterium tumefaciens</i> str. C58	21
12131 Human rhinovirus 14	20
11060 Dengue virus 2	20
11886 Rous sarcoma virus	20
155892 <i>Caulobacter vibrioides</i>	20
10710 Enterobacteria phage lambda	20
10407 Hepatitis B virus	20
28285 Human adenovirus 5	20
1061 <i>Rhodobacter capsulatus</i>	19
262724 <i>Thermus thermophilus</i> HB27	19
1351 <i>Enterococcus faecalis</i>	18
9598 <i>Pan troglodytes</i>	18
28451 <i>Klebsiella aerogenes</i>	17
37296 Human herpesvirus 8	17
186497 <i>Pyrococcus furiosus</i> DSM 3638	17
-1 \N	17
5116 <i>Cryphonectria parasitica</i>	16
615 <i>Serratia marcescens</i>	16
12110 Foot-and-mouth disease virus	16
306 <i>Pseudomonas</i> sp.	16
520 <i>Bordetella pertussis</i>	16
632 <i>Yersinia pestis</i>	16
10118 <i>Rattus</i> sp.	15
4151 <i>Antirrhinum majus</i>	15
556 <i>Erwinia chrysanthemi</i>	15
9838 <i>Camelus dromedarius</i>	15
1902 <i>Streptomyces coelicolor</i>	14
5476 <i>Candida albicans</i>	14
283166 <i>Bartonella henselae</i> str. Houston-1	14
1491 <i>Clostridium botulinum</i>	14
5693 <i>Trypanosoma cruzi</i>	14
10377 Human herpesvirus 4 (strain B95-8)	14
360110 <i>Campylobacter jejuni</i> subsp. <i>jejuni</i> 84-25	14
99287 <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium str. LT2	14
56636 <i>Aeropyrum pernix</i>	14
86665 <i>Bacillus halodurans</i>	14
13773 <i>Pyrobaculum aerophilum</i>	13
1085 <i>Rhodospirillum rubrum</i>	13
227859 SARS coronavirus	13
9534 <i>Chlorocebus aethiops</i>	13

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3858 Lathyrus ochrus	13
1358 Lactococcus lactis	13
10036 Mesocricetus auratus	13
11234 Measles virus	13
32644 unidentified	13
12215 Potato virus A	13
11084 Tick-borne encephalitis virus	13
1079 Blastochloris viridis	13
3823 Canavalia ensiformis	12
1396 Bacillus cereus	12
9940 Ovis aries	12
294 Pseudomonas fluorescens	12
10141 Cavia porcellus	12
7787 Torpedo californica	12
3847 Glycine max	12
10754 Enterobacteria phage P22	12
10249 Vaccinia virus Copenhagen	12
273057 Sulfolobus solfataricus P2	12
1502 Clostridium perfringens	12
31199 Argopecten irradians	12
8616 Bungarus multicinctus	12
1515 Clostridium thermocellum	12
10678 Enterobacteria phage P1	11
5141 Neurospora crassa	11
2303 Thermoplasma acidophilum	11
1833 Rhodococcus erythropolis	11
11276 Vesicular stomatitis virus	11
7757 Petromyzon marinus	11
3489 Artocarpus heterophyllus	11
414 Methylococcus capsulatus	11
1916 Streptomyces lividans	11
511 Alcaligenes faecalis	11
384509 Influenza A virus (A/tern/Australia/G70C/1975(H11N9))	11
11709 Human immunodeficiency virus 2	11
12130 Human rhinovirus 2	11
323 Pseudomonas syringae pv. tomato	10
11723 Simian immunodeficiency virus	10
5811 Toxoplasma gondii	10
32053 Thermosynechococcus vulcanus	10
139 Borrelia burgdorferi	10

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601 \N	10
12721 Human immunodeficiency virus	10
243233 Methylococcus capsulatus str. Bath	10
12075 Swine vesicular disease virus	10
11320 Influenza A virus	10
11108 Hepatitis C virus (isolate H)	10
630 Yersinia enterocolitica	10
273075 Thermoplasma acidophilum DSM 1728	10
1409 Bacillus sp.	10
633 Yersinia pseudotuberculosis	10
7224 Drosophila hydei	10
381666 Ralstonia eutropha H16	9
88087 Trimeresurus flavoviridis	9
1168 Nostoc sp. PCC 7119	9
10359 Human herpesvirus 5	9
1639 Listeria monocytogenes	9
112509 Hordeum vulgare subsp. vulgare	9
1427 Bacillus thermoproteolyticus	9
73239 Plasmodium yoelii yoelii	9
2208 Methanosarcina barkeri	9
224325 Archaeoglobus fulgidus DSM 4304	9
1260 Fingoldia magna	9
11105 Hepatitis C virus (isolate BK)	9
190386 Agrobacterium tumefaciens (strain 15955)	9
7091 Bombyx mori	9
12080 Human poliovirus 1	9
28282 Human adenovirus 12	9
1393 Brevibacillus brevis	9
69 Lysobacter enzymogenes	8
435895 Human herpesvirus 8 type M	8
12086 Human poliovirus 3	8
238 Elizabethkingia meningoseptica	8
6621 Loligo pealei	8
2320 Methanopyrus kandleri	8
224308 Bacillus subtilis subsp. subtilis str. 168	8
8656 Naja atra	8
7788 Torpedo marmorata	8
10756 Bacillus phage phi29	8
9595 Gorilla gorilla gorilla	8
36409 Rinderpest virus (strain RBOK)	8

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31159 Daboia russellii russellii	8
1143 Synechocystis sp.	8
6398 Lumbricus terrestris	8
4558 Sorghum bicolor	8
3988 Ricinus communis	8
5664 Leishmania major	8
10891 Reovirus sp.	8
148305 Magnaporthe grisea	8
4922 Pichia pastoris	7
227321 Aspergillus nidulans FGSC A4	7
11599 Hantaan virus	7
37998 Engyodontium album	7
11901 Bovine leukemia virus	7
83334 Escherichia coli O157:H7	7
881 Desulfovibrio vulgaris	7
296 Pseudomonas fragi	7
1352 Enterococcus faecium	7
158 Treponema denticola	7
3649 Carica papaya	7
10684 Bacillus phage PBS2	7
12069 Human coxsackievirus A21	7
1131 Synechococcus sp.	7
488537 Clostridium perfringens D str. JGS1721	7
7153 Chironomus tentans	7
669 Vibrio harveyi	7
1404 Bacillus megaterium	7
8846 Anser indicus	7
6500 Aplysia californica	7
317 Pseudomonas syringae	7
12208 Pea seed-borne mosaic virus	7
5911 Tetrahymena thermophila	7
1901 Streptomyces clavuligerus	7
285 Comamonas testosteroni	7
12081 Human poliovirus 1 Mahoney	7
585 Proteus vulgaris	7
1167 Anabaena sp.	7
12083 Human poliovirus 2	6
333284 Hepatitis C virus (isolate Con1)	6
5791 Physarum polycephalum	6
119602 Streptococcus dysgalactiae subsp. equisimilis	6

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485	<i>Neisseria gonorrhoeae</i>	6
10299	Herpes simplex virus (type 1 / strain 17)	6
879	<i>Desulfovibrio gigas</i>	6
352472	<i>Dictyostelium discoideum</i> AX4	6
1591	<i>Lactobacillus</i> sp.	6
162425	<i>Emericella nidulans</i>	6
3457	<i>Dioscoreophyllum cumminsii</i>	6
382848	Influenza A virus (A/swine/Hong Kong/126/1982(H3N2))	6
550	<i>Enterobacter cloacae</i>	6
730	<i>Haemophilus ducreyi</i>	6
41529	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhisuis	6
408	<i>Methylobacterium extorquens</i>	6
12064	Bovine enterovirus	6
10360	Human herpesvirus 5 strain AD169	6
374840	Enterobacteria phage phiX174 sensu lato	6
47421	<i>Hydrogenophaga pseudoflava</i>	6
83374	<i>Galdieria partita</i>	6
12067	Human coxsackievirus A9	6
3490	<i>Artocarpus integer</i>	6
1049	<i>Allochromatium vinosum</i>	6
8839	<i>Anas platyrhynchos</i>	6
3708	<i>Brassica napus</i>	6
2026	<i>Thermoactinomyces vulgaris</i>	6
1402	<i>Bacillus licheniformis</i>	6
5702	<i>Trypanosoma brucei brucei</i>	6
12072	Human coxsackievirus B3	6
10636	Murine polyomavirus strain A2	6
3972	<i>Viscum album</i>	6
10690	<i>Haemophilus</i> phage HP1	6
3712	<i>Brassica oleracea</i>	6
272557	<i>Aeropyrum pernix</i> K1	6
421877	Hepatitis C virus isolate HC-J1	6
44130	Human rhinovirus 3	6
12078	Human echovirus 11	6
10658	Enterobacteria phage PRD1	6
2285	<i>Sulfolobus acidocaldarius</i>	6
3885	<i>Phaseolus vulgaris</i>	6
5656	<i>Crithidia fasciculata</i>	6
28985	<i>Kluyveromyces lactis</i>	6
10804	Adeno-associated virus - 2	6



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2286 Sulfolobus shibatae	6
876 Desulfovibrio desulfuricans	6
5665 Leishmania mexicana	5
8724 Bothrops jararaca	5
878 Desulfovibrio fructosovorans	5
293 Brevundimonas diminuta	5
7111 Trichoplusia ni	5
1720 Corynebacterium sp.	5
46633 Human echovirus 1	5
1525 Moorella thermoacetica	5
5482 Candida tropicalis	5
59405 Thauera aromatica	5
333761 Human papillomavirus type 18	5
111955 Sulfolobus tokodaii	5
10243 Cowpox virus	5
11610 Seoul virus SR11	5
554 Pectobacterium carotovorum	5
11191 Sendai virus	5
40051 Bluetongue virus	5
211586 Shewanella oneidensis MR-1	5
1866 Actinoplanes missouriensis	5
42897 Shigella flexneri 2a	5
2265 Thermococcus litoralis	5
1050 Thermochromatium tepidum	5
47881 Pseudomonas pavonaceae	5
5061 Aspergillus niger	5
11698 Human immunodeficiency virus type 1 (NEW YORK-5 ISOLATE)	5
97228 Daboia russellii pulchella	5
129875 Human adenovirus A	5
55676 Oligobranchia mashikoi	5
1501 Clostridium pasteurianum	5
420174 Hepatitis C virus isolate HC-J4	5
5722 Trichomonas vaginalis	5
11033 Semliki forest virus	5
905 Acidaminococcus fermentans	5
360108 Campylobacter jejuni subsp. jejuni 260.94	5
5855 Plasmodium vivax	5
387139 Influenza A virus (A/Aichi/2/1968(H3N2))	5
571 Klebsiella oxytoca	5
844 Wolinella succinogenes	5

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115711 Chlamydomydia pneumoniae AR39	5
195058 Naja sagittifera	5
103944 Protobothrops mucrosquamatus	5
10879 Pseudomonas phage phi6	5
11113 Hepatitis C virus isolate HC-J6	5
847 Oxalobacter formigenes	5
118562 Arthrospira platensis	5
226185 Enterococcus faecalis V583	5
1282 Staphylococcus epidermidis	5
28901 Salmonella enterica	5
12126 Theiler's encephalomyelitis virus (STRAIN DA)	5
69488 Penicillium simplicissimum	5
11673 Feline immunodeficiency virus	5
538120 Mammalian orthoreovirus 1	5
34 Myxococcus xanthus	5
6253 Ascaris suum	5
362651 Human immunodeficiency virus type 1 (isolate YU2)	4
2242 Halobacterium salinarum	4
11720 Human immunodeficiency virus type 2 (ISOLATE ROD)	4
546 Citrobacter freundii	4
8618 Dendroaspis angusticeps	4
1831 Rhodococcus sp.	4
12227 Tobacco etch virus	4
10506 Paramecium bursaria Chlorella virus 1	4
1590 Lactobacillus plantarum	4
6426 Riftia pachyptila	4
1301 Streptococcus	4
6108 Anemonia sulcata	4
93061 Staphylococcus aureus subsp. aureus NCTC 8325	4
243230 Deinococcus radiodurans R1	4
1836 Saccharopolyspora erythraea	4
6945 Ixodes scapularis	4
2787 Porphyra purpurea	4
8730 Crotalus atrox	4
10849 Enterobacteria phage alpha3	4
1752 Propionibacterium freudenreichii subsp. shermanii	4
36307 Deinagkistrodon acutus	4
337042 Human papillomavirus - 18	4
10991 Rice dwarf virus	4
2262 Pyrococcus woesei	4

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5507 Fusarium oxysporum	4
103690 Nostoc sp. PCC 7120	4
6183 Schistosoma mansoni	4
30591 Aotus azarai	4
11696 HIV-1 M:B_MN	4
65404 Polysiphonia urceolata	4
10559 Bovine papillomavirus type 1	4
1665 Arthrobacter globiformis	4
1309 Streptococcus mutans	4
40137 Oligotropha carboxidovorans	4
13037 Danaus plexippus	4
622 Shigella dysenteriae	4
1667 Arthrobacter sp.	4
1311 Streptococcus agalactiae	4
8692 Bitis arietans	4
3661 Cucurbita maxima	4
818 Bacteroides thetaiotaomicron	4
4843 Rhizopus microsporus var. chinensis	4
1894 Streptomyces aureofaciens	4
200597 Sterkiella nova	4
11855 Mason-Pfizer monkey virus	4
8364 Xenopus (Silurana) tropicalis	4
11665 Equine infectious anemia virus	4
7067 Tenebrio molitor	4
4100 Nicotiana benthamiana	4
10381 Saimiriine herpesvirus 2	4
203119 Clostridium thermocellum ATCC 27405	4
46015 Autographa californica nucleopolyhedrovirus	4
12124 Theiler's encephalomyelitis virus	4
3879 Medicago sativa	4
1074 Rhodoblastus acidophilus	4
8022 Oncorhynchus mykiss	4
915 Nitrosomonas europaea	4
79257 Rhodomonas sp. CS24	4
10583 Human papillomavirus type 1a	4
17 Methylophilus methylotrophus	4
11082 West Nile virus	4
272562 Clostridium acetobutylicum ATCC 824	4
1076 Rhodopseudomonas palustris	4
1320 Streptococcus sp. 'group G'	4

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3677 <i>Trichosanthes kirilowii</i>	4
8030 <i>Salmo salar</i>	4
226186 <i>Bacteroides thetaiotaomicron</i> VPI-5482	4
3329 <i>Picea abies</i>	4
542 <i>Zymomonas mobilis</i>	4
106590 <i>Cupriavidus necator</i>	4
273121 <i>Wolinella succinogenes</i> DSM 1740	4
226900 <i>Bacillus cereus</i> ATCC 14579	3
1474 <i>Sporosarcina pasteurii</i>	3
6100 <i>Aequorea victoria</i>	3
35889 <i>Nicotiana glutinosa</i>	3
11552 Influenza C virus	3
1083 <i>Phaeosporidium molischianum</i>	3
10923 Simian rotavirus A/SA11	3
40690 <i>Trematomus bernacchii</i>	3
9925 <i>Capra hircus</i>	3
93050 <i>Echis multisquamatus</i>	3
1421 <i>Lysinibacillus sphaericus</i>	3
1905 <i>Streptomyces exfoliatus</i>	3
198214 <i>Shigella flexneri</i> 2a str. 301	3
8053 <i>Gadus callarias</i>	3
29292 <i>Pyrococcus abyssi</i>	3
11149 Transmissible gastroenteritis virus	3
2180 <i>Methanothermobacter formicophilus</i>	3
2775 <i>Gracilaria chilensis</i>	3
4076 <i>Datura stramonium</i>	3
31645 Hepatitis C virus (isolate Taiwan)	3
121791 Nipah virus	3
1488 <i>Clostridium acetobutylicum</i>	3
10847 Enterobacteria phage phiX174	3
574521 <i>Escherichia coli</i> O127:H6 str. E2348/69	3
3906 <i>Vicia faba</i>	3
71421 <i>Haemophilus influenzae</i> Rd KW20	3
12657 Equid herpesvirus 2	3
89020 <i>Mustelus griseus</i>	3
37137 Simian rotavirus A/SA11-both	3
11685 HIV-1 M:B_ARV2/SF2	3
257313 <i>Bordetella pertussis</i> Tohama I	3
15957 <i>Phleum pratense</i>	3
443255 <i>Streptomyces clavuligerus</i> ATCC 27064	3

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5821 Plasmodium berghei	3
8167 Perca flavescens	3
4498 Avena sativa	3
10632 JC polyomavirus	3
382853 Influenza A virus (A/swine/St-Hyacinthe/148/1990(H1N1))	3
102746 Hieracium piloselloides	3
211044 Influenza A virus (A/Puerto Rico/8/34(H1N1))	3
9770 Balaenoptera physalus	3
272943 Rhodobacter sphaeroides 2.4.1	3
1098 Prosthecochloris vibrioformis	3
4682 Allium sativum	3
42003 Griffithsia monilis	3
8732 Crotalus durissus terrificus	3
12243 Tobacco mosaic virus (vulgare)	3
4084 Solanum pimpinellifolium	3
1197 Fremyella diplosiphon	3
10366 Murid herpesvirus 1	3
198803 Bacillus sp. MN-32	3
269084 Synechococcus elongatus PCC 6301	3
1307 Streptococcus suis	3
1354 Enterococcus hirae	3
1494 Clostridium cochlearium	3
2334 Bacillus sp. PS3	3
12145 Tomato bushy stunt virus	3
426 Methylosinus trichosporium	3
12253 Tomato mosaic virus	3
10030 Cricetulus longicaudatus	3
169066 Human rhinovirus sp.	3
45659 Human adenovirus 3	3
8237 Thunnus thynnus	3
9544 Macaca mulatta	3
12353 Enterobacteria phage RB69	3
103782 Pariacato virus	3
10864 Enterobacteria phage fd	3
1765 Mycobacterium bovis	3
173 Leptospira interrogans	3
817 Bacteroides fragilis	3
8843 Anser anser	3
260809 \N	3
12260 Bean pod mottle virus	3

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518 <i>Bordetella bronchiseptica</i>	3
3864 <i>Lens culinaris</i>	3
68728 <i>Chrysocyon brachyurus</i>	3
10315 Human herpesvirus 2 strain HG52	3
5062 <i>Aspergillus oryzae</i>	3
37554 Enterobacteria phage HK97	3
2209 <i>Methanosarcina mazei</i>	3
51453 <i>Hypocrea jecorina</i>	3
170187 <i>Streptococcus pneumoniae</i> TIGR4	3
316 <i>Pseudomonas stutzeri</i>	3
9597 <i>Pan paniscus</i>	3
12475 Hepatitis delta virus	3
82367 <i>Paracoccus pantotrophus</i>	3
103908 Echovirus 1 (strain Farouk / ATCC VR-1038)	3
10872 <i>Pseudomonas</i> phage Pf3	3
1772 <i>Mycobacterium smegmatis</i>	3
36436 Simian rotavirus A/SA11-4F	3
6707 <i>Homarus gammarus</i>	3
12161 Beet yellows virus	3
73841 <i>Vipera ammodytes meridionalis</i>	3
5076 <i>Penicillium chrysogenum</i>	3
1406 <i>Paenibacillus polymyxa</i>	3
5724 <i>Tritrichomonas foetus</i>	3
11034 Sindbis virus	3
158878 <i>Staphylococcus aureus</i> subsp. <i>aureus</i> Mu50	3
2210 <i>Methanosarcina thermophila</i>	3
5861 <i>Plasmodium yoelii</i>	3
35730 <i>Trematomus newnesi</i>	3
1931 <i>Streptomyces</i> sp.	3
272558 <i>Bacillus halodurans</i> C-125	3
62977 <i>Acinetobacter</i> sp. ADP1	3
10326 Equid herpesvirus 1	3
345076 <i>Vibrio cholerae</i> V52	3
11241 Rinderpest virus	3
301447 <i>Streptococcus pyogenes</i> serotype M1	3
10794 Minute virus of mice	3
6523 <i>Lymnaea stagnalis</i>	3
11520 Influenza B virus	3
10884 Mammalian orthoreovirus 1 Lang	3
48465 <i>Prostheobacter dejongeii</i>	3

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873 <i>Desulfovibrio africanus</i>	3
9874 <i>Odocoileus virginianus</i>	3
92694 <i>Rhodococcus</i> sp. NCIMB12038	3
11247 Bovine respiratory syncytial virus ATCC51908	3
7102 <i>Heliothis virescens</i>	3
263374 <i>Bordetella</i> phage BMP-1	3
3818 <i>Arachis hypogaea</i>	3
10585 Human papillomavirus type 31	3
35816 <i>Pelobacter acidigallici</i>	3
205488 Ebola virus sp.	3
10279 <i>Molluscum contagiosum</i> virus	3
1394 <i>Bacillus caldolyticus</i>	3
33708 Murid herpesvirus 4	3
2111 <i>Mycoplasma arthritidis</i>	3
219334 <i>Lactobacillus casei</i> subsp. <i>casei</i> ATCC 393	3
13689 <i>Sphingomonas paucimobilis</i>	3
119072 <i>Thermoanaerobacter tengcongensis</i>	2
11053 Dengue virus 1	2
7108 <i>Spodoptera frugiperda</i>	2
644 <i>Aeromonas hydrophila</i>	2
12302 Brome mosaic virus	2
79676 <i>Pseudomonas</i> sp. CF600	2
29170 <i>Ancylostoma caninum</i>	2
5386 <i>Xerocomus chrysenteron</i>	2
100226 <i>Streptomyces coelicolor</i> A3(2)	2
1718 <i>Corynebacterium glutamicum</i>	2
11088 Tick-borne encephalitis virus (WESTERN SUBTYPE)	2
6550 <i>Mytilus edulis</i>	2
208893 Human respiratory syncytial virus A	2
11885 Fujinami sarcoma virus	2
715 <i>Actinobacillus pleuropneumoniae</i>	2
9675 <i>Paguma larvata</i>	2
1520 <i>Clostridium beijerinckii</i>	2
6279 <i>Brugia malayi</i>	2
235 <i>Brucella abortus</i>	2
11138 Murine hepatitis virus	2
190650 <i>Caulobacter crescentus</i> CB15	2
11678 Human immunodeficiency virus type 1 BH10	2
12042 Beet western yellows virus	2
257309 <i>Corynebacterium diphtheriae</i> NCTC 13129	2

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10335 Human herpesvirus 3	2
927 Halothiobacillus neapolitanus	2
28450 Burkholderia pseudomallei	2
1338 Streptococcus intermedius	2
10624 Polyomavirus	2
382841 Influenza A virus (A/seal/MA/3984/1992(H3N3))	2
101510 Rhodococcus jostii RHA1	2
132961 Bungarus caeruleus	2
11089 Yellow fever virus	2
180454 Anopheles gambiae str. PEST	2
1956 Streptomyces diastaticus	2
8631 Laticauda semifasciata	2
59201 Salmonella enterica subsp. enterica	2
12134 Human rhinovirus 1A	2
9685 Felis catus	2
12643 Ectromelia virus	2
30077 Triatoma pallidipennis	2
5689 Leishmania tarentolae	2
109171 Pachyrhizus erosus	2
6938 Ornithodoros moubata	2
394 Rhizobium sp. NGR234	2
11683 Human immunodeficiency virus type 1 (Z2/CDC-Z34 ISOLATE)	2
10724 Bacillus phage SPP1	2
11063 Dengue virus 2 Malaysia M3	2
198215 Shigella flexneri 2a str. 2457T	2
2257 Natronomonas pharaonis	2
45410 Hepatitis B virus adw4/Brazil/isolate w4b	2
487 Neisseria meningitidis	2
9490 Saguinus oedipus	2
266834 Sinorhizobium meliloti 1021	2
3840 Vigna unguiculata subsp. cylindrica	2
311246 Influenza A virus (A/Mongolia/162/91(H1N1))	2
29303 Streptomyces cattleya	2
10626 Hamster polyomavirus	2
1744 Propionibacterium freudenreichii	2
337 Burkholderia glumae	2
11604 Puumala virus	2
210007 Streptococcus mutans UA159	2
12136 Cricket paralysis virus	2
272844 Pyrococcus abyssi GE5	2



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1097 Chlorobaculum tepidum	2
1398 Bacillus coagulans	2
155077 Cellvibrio japonicus	2
11176 Newcastle disease virus	2
223283 Pseudomonas syringae pv. tomato str. DC3000	2
50339 Thermoplasma volcanium	2
64574 Radiomyces spectabilis	2
10530 Murine adenovirus 1	2
5270 Ustilago maydis	2
93934 Coturnix japonica	2
122586 Neisseria meningitidis MC58	2
11065 Dengue virus 2 Thailand/NGS-C/1944	2
6436 Themiste dyscritum	2
198628 Erwinia chrysanthemi str. 3937	2
45441 Enterobacteria phage L	2
11741 Visna/Maedi virus	2
227984 SARS coronavirus Tor2	2
3843 Erythrina corallodendron	2
67825 Citrobacter rodentium	2
1306 Streptococcus sp.	2
6182 Schistosoma japonicum	2
135461 Bacillus subtilis subsp. subtilis	2
30408 Crossoptilon crossoptilon	2
416870 Lactococcus lactis subsp. cremoris MG1363	2
1553 Clostridium tetanomorphum	2
1848 Pseudonocardia thermophila	2
2188 Methanococcus voltae	2
11686 Human immunodeficiency virus type 1 (BRU ISOLATE)	2
258594 Rhodopseudomonas palustris CGA009	2
3704 Armoracia rusticana	2
77133 uncultured bacterium	2
353152 Cryptosporidium parvum Iowa II	2
374844 Enterobacteria phage G4 sensu lato	2
31708 Human rhinovirus 16	2
123217 Anopheles cracens	2
-8 \N	2
6437 Themiste zostericola	2
7130 Manduca sexta	2
8175 Sparus aurata	2
54914 Brevibacillus parabrevis	2

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12107	Mengo virus	2
67831	Rhipicephalus bursa	2
81759	Hyacinthoides hispanica	2
47519	Calystegia sepium	2
4754	Pneumocystis carinii	2
5059	Aspergillus flavus	2
1580	Lactobacillus brevis	2
10995	Infectious bursal disease virus	2
11207	Simian virus 5	2
224324	Aquifex aeolicus VF5	2
51336	Cabbage leaf curl virus	2
291940	Artocarpus hirsutus	2
4087	Nicotiana glauca	2
1245	Leuconostoc mesenteroides	2
375732	Influenza A virus (A/swine/England/191973/92(H1N7))	2
5306	Phanerochaete chrysosporium	2
11070	Dengue virus 4	2
6442	Phascolopsis gouldii	2
305	Ralstonia solanacearum	2
512	Alcaligenes sp.	2
228407	SARS coronavirus BJ01	2
55084	Pandinus imperator	2
318586	Paracoccus denitrificans PD1222	2
10634	Murine polyomavirus	2
5514	Fusarium sporotrichioides	2
1498	Clostridium histolyticum	2
6703	Pandalus borealis	2
350	Zoogloea ramigera	2
11983	Norwalk virus	2
12147	Tomato bushy stunt virus (STRAIN CHERRY)	2
3916	Vigna radiata var. radiata	2
10310	Human herpesvirus 2	2
10685	Bacillus phage SPO1	2
6359	Platynereis dumerilii	2
11216	Human parainfluenza virus 3	2
7010	Schistocerca gregaria	2
194439	Chlorobium tepidum TLS	2
3711	Brassica rapa	2
65406	Pseudomonas sp. 7A	2
899	Desulfomicrobium baculatum	2

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77929 Rhodomonas sp.	2
379746 Influenza A virus (A/sw/Obihiro/1/1994(H3N2))	2
1428 Bacillus thuringiensis	2
11072 Japanese encephalitis virus	2
2271 Thermoproteus tenax	2
11801 Moloney murine leukemia virus	2
12116 Foot-and-mouth disease virus - type C	2
12371 Phage h30	2
322710 Azotobacter vinelandii DJ	2
1360 Lactococcus lactis subsp. lactis	2
6192 Fasciola hepatica	2
1769 Mycobacterium leprae	2
11641 Human foamy virus	2
47914 Brevibacterium fuscum	2
12154 Turnip yellow mosaic virus	2
85698 Achromobacter xylosoxidans	2
275 Thermus sp.	2
194699 Bordetella phage BPP-1	2
224326 Borrelia burgdorferi B31	2
12264 Cowpea mosaic virus	2
10566 Human papillomavirus	2
380344 Influenza A virus (A/chicken/Hong Kong/14/1976(H1N1))	2
503404 Tomato yellow leaf curl virus-Mild [Japan:Atumi]	2
129910 Arthrospira maxima	2
1929 Streptomyces rubiginosus	2
7159 Aedes aegypti	2
3505 Betula pendula	2
670 Vibrio parahaemolyticus	2
324602 Chloroflexus aurantiacus J-10-fl	2
28875 Rotavirus A	2
8705 Vipera ammodytes ammodytes	2
3663 Cucurbita pepo	2
273063 Sulfolobus tokodaii str. 7	2
3981 Hevea brasiliensis	2
13555 Haemadipsa sylvestris	2
91753 Cucurbit aphid-borne yellows virus	2
11708 Human immunodeficiency virus type 1 (ZAIRE 6 ISOLATE)	2
262338 SARS coronavirus GD03T0013	2
12285 Black beetle virus	2
10580 Human papillomavirus type 11	2

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380350 Influenza A virus (A/swine/Beijing/47/1991(H1N1))	2
5341 Agaricus bisporus	2
31958 Amycolatopsis orientalis	2
16 Methylophilus	2
11077 Kunjin virus	2
7165 Anopheles gambiae	2
2280 Staphylothermus marinus	2
529 Ochrobactrum anthropi	2
3527 Phytolacca americana	2
10258 Orf virus	2
40353 Echis carinatus	2
48386 Perilla frutescens	2
8714 Gloydus halys	2
244589 Sulfolobus virus 1	2
3673 Momordica charantia	2
4905 Pichia angusta	2
280 Xanthobacter autotrophicus	2
196620 Staphylococcus aureus subsp. aureus MW2	2
10384 Herpesvirus saimiri (strain 488)	2
32002 Achromobacter denitrificans	2
130308 Human adenovirus E	2
1697 Corynebacterium ammoniagenes	2
319 Pseudomonas syringae pv. phaseolicola	2
36773 Burkholderia sp.	2
223 Achromobacter cycloclastes	2
190485 Xanthomonas campestris pv. campestris str. ATCC 33913	2
2104 Mycoplasma pneumoniae	2
375 Bradyrhizobium japonicum	2
217992 Escherichia coli O6	2
8717 Calloselasma rhodostoma	2
246196 Mycobacterium smegmatis str. MC2 155	2
4906 Williopsis saturnus	2
5085 Aspergillus fumigatus	2
10712 Phage 434	2
1587 Lactobacillus helveticus	2
920 Acidithiobacillus ferrooxidans	2
12288 Nodamura virus	2
6087 Hydra vulgaris	2
6526 Biomphalaria glabrata	2
11876 Avian sarcoma virus	2

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272626	Listeria innocua Clip11262	2
83331	Mycobacterium tuberculosis CDC1551	2
1324	Streptococcus sp. G148	2
1829	Rhodococcus rhodochrous	2
381	Mesorhizobium loti	2
2743	Marinobacter hydrocarbonoclasticus	2
12023	Pseudomonas phage PP7	2
3679	Ecballium elaterium	2
348776	Mycobacterium tuberculosis C	2
10450	Orgyia pseudotsugata single capsid nucleopolyhedrovirus	1
92829	Xanthomonas axonopodis pv. citri	1
1411	Bacillus akibai	1
31531	Vaccinia virus L-IPV	1
10714	Corynephage omega	1
432528	Grammostola rosea	1
5759	Entamoeba histolytica	1
1589	Lactobacillus pentosus	1
34649	Mesobuthus martensii	1
160490	Streptococcus pyogenes M1 GAS	1
37762	Escherichia coli B	1
11250	Human respiratory syncytial virus	1
44822	Microcystis viridis	1
476	Moraxella bovis	1
8049	Gadus morhua	1
3349	Pinus sylvestris	1
52969	Ascophyllum nodosum	1
264730	Pseudomonas syringae pv. phaseolicola 1448A	1
66690	\N	1
921	Starkeya novella	1
306263	Campylobacter lari RM2100	1
4120	Ipomoea batatas	1
28344	Porcine reproductive and respiratory syndrome virus	1
1334	Streptococcus dysgalactiae	1
10623	Cottontail rabbit papillomavirus	1
10829	Squash leaf curl virus	1
538123	Mammalian orthoreovirus 3	1
132504	Influenza A virus (A/X-31(H3N2))	1
178306	Pyrobaculum aerophilum str. IM2	1
1950	Streptomyces peucetius	1
7225	Scaptodrosophila lebanonensis	1

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46245	<i>Drosophila pseudoobscura pseudoobscura</i>	1
237895	<i>Cryptosporidium hominis</i>	1
3567	<i>Amaranthus caudatus</i>	1
58226	<i>Comamonas</i> sp. JS765	1
272631	<i>Mycobacterium leprae</i> TN	1
3891	<i>Psophocarpus tetragonolobus</i>	1
70821	Desmodium yellow mottle virus	1
12618	Chicken anemia virus	1
4615	<i>Ananas comosus</i>	1
29549	<i>Rhodothermus marinus</i>	1
404579	<i>Pseudomonas</i> sp. PS-7	1
108619	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Newport	1
33900	<i>Streptomyces murinus</i>	1
148603	<i>Mycobacterium phage Bxb1</i>	1
37122	Human papillomavirus type 6a	1
6853	<i>Tachypleus tridentatus</i>	1
2130	<i>Ureaplasma urealyticum</i>	1
382	<i>Sinorhizobium meliloti</i>	1
7723	<i>Polyandrocarpa misakiensis</i>	1
221204	<i>Hieracium pilosella</i>	1
2771	<i>Cyanidium caldarium</i>	1
49817	<i>Erythrina crista-galli</i>	1
587	<i>Providencia rettgeri</i>	1
3691	<i>Populus nigra</i>	1
63559	<i>Penicillium amagasakiense</i>	1
280048	<i>Copaifera langsdorffii</i>	1
4072	<i>Capsicum annum</i>	1
76275	<i>Rhodococcus</i> sp. R312	1
349102	<i>Rhodobacter sphaeroides</i> ATCC 17025	1
364106	<i>Escherichia coli</i> UT189	1
31552	Human papillomavirus type 6	1
10715	<i>Staphylococcus phage 42D.m</i>	1
35170	<i>Corallina officinalis</i>	1
161736	<i>Pseudomonas phage phi12</i>	1
37919	<i>Rhodococcus opacus</i>	1
11251	Human respiratory syncytial virus (subgroup B / strain 18537)	1
2243	<i>Halobacterium</i> sp.	1
45151	<i>Pyrenophora tritici-repentis</i>	1
3352	<i>Pinus taeda</i>	1
53412	<i>Pseudomonas resinovorans</i>	1

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648	<i>Aeromonas punctata</i>	1
9430	<i>Desmodus rotundus</i>	1
264732	<i>Moorella thermoacetica</i> ATCC 39073	1
3837	<i>Dioclea grandiflora</i>	1
66695	<i>Citrobacter intermedius</i>	1
12303	Cowpea chlorotic mottle virus	1
309800	<i>Haloferax volcanii</i> DS2	1
79679	<i>Thermococcus</i> sp. KS-1	1
1479	<i>Bacillus smithii</i>	1
32049	<i>Synechococcus</i> sp. PCC 7002	1
10843	Enterobacteria phage G4	1
542959	BPP-1-like phages	1
35933	<i>Podophyllum peltatum</i>	1
84	<i>Hyphomicrobium methylovorum</i>	1
6561	<i>Scapharca inaequalis</i>	1
329	<i>Ralstonia pickettii</i>	1
549	<i>Pantoea agglomerans</i>	1
242619	<i>Porphyromonas gingivalis</i> W83	1
3570	<i>Dianthus caryophyllus</i>	1
272634	<i>Mycoplasma pneumoniae</i> M129	1
3902	<i>Ulex europaeus</i>	1
70863	<i>Shewanella oneidensis</i>	1
4641	<i>Musa acuminata</i>	1
88764	<i>Conus episcopatus</i>	1
1397	<i>Bacillus circulans</i>	1
10679	Enterobacteria phage P2	1
405212	<i>Alicyclobacillus acidocaldarius</i>	1
33903	<i>Streptomyces avermitilis</i>	1
10927	Bovine rotavirus	1
6282	<i>Onchocerca volvulus</i>	1
154834	Panicum mosaic satellite virus	1
37133	Tula virus	1
192168	<i>Arthrobacter</i> sp. C2-2	1
40979	Cocksfoot mottle virus	1
7748	<i>Lampetra fluviatilis</i>	1
222737	\N	1
49899	<i>Thermococcus profundus</i>	1
592	\N	1
12054	unidentified tobacco necrosis virus	1
8729	<i>Crotalus adamanteus</i>	1

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257311	<i>Bordetella parapertussis</i> 12822	1
3693	<i>Populus tremuloides</i>	1
64091	<i>Halobacterium</i> sp. NRC-1	1
12230	Turnip mosaic virus	1
282458	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> MRSA252	1
76854	<i>Shewanella massilia</i>	1
1172	<i>Anabaena variabilis</i>	1
13818	<i>Adiantum capillus-veneris</i>	1
367830	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> USA300	1
5207	<i>Filobasidiella neoformans</i>	1
437607	Influenza A virus (A/hvPR8/34(H1N1))	1
35304	Bunyamwera virus	1
6431	<i>Urechis caupo</i>	1
7116	<i>Pieris brassicae</i>	1
11733	Simian immunodeficiency virus (MM142-83 ISOLATE)	1
8090	<i>Oryzias latipes</i>	1
658	<i>Photobacterium leiognathi</i> subsp. <i>leiognathi</i>	1
12088	Poliovirus type 3 (strains P3/LEON/37 AND P3/LEON 12A[1]B)	1
67723	<i>Amanita phalloides</i>	1
940	<i>Hydrogenobacter thermophilus</i>	1
12305	Cucumber mosaic virus	1
4265	<i>Cynara cardunculus</i>	1
79930	<i>Methanothermobacter thermautotrophicus</i> str. Winter	1
1302	<i>Streptococcus gordonii</i>	1
102203	<i>Favia fava</i>	1
6118	<i>Entacmaea quadricolor</i>	1
134821	<i>Ureaplasma parvum</i>	1
35936	<i>Lablab purpureus</i>	1
11090	Yellow fever virus 17D	1
182271	<i>Pterocarpus angolensis</i>	1
1963	<i>Streptomyces olivochromogenes</i>	1
40001	<i>Cellulomonas</i> sp.	1
7240	<i>Drosophila simulans</i>	1
46758	<i>Lobophyllia hemprichii</i>	1
8644	<i>Naja mossambica</i>	1
3619	<i>Rumex obtusifolius</i>	1
9739	<i>Tursiops truncatus</i>	1
10301	Herpes simplex virus (type 1 / strain Angelotti)	1
4670	<i>Galanthus nivalis</i>	1
4934	<i>Lachancea kluyveri</i>	1



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30308	<i>Ichthyomyzon unicuspis</i>	1
10680	Enterobacteria phage P4	1
408870	Dengue virus 3 Philippines/H87/1956	1
1550	<i>Clostridium subterminale</i>	1
33931	<i>Bacillus caldovelox</i>	1
10969	Rhesus rotavirus	1
6334	<i>Trichinella spiralis</i>	1
192222	<i>Campylobacter jejuni</i> subsp. <i>jejuni</i> NCTC 11168	1
2186	<i>Methanothermococcus thermolithotrophicus</i>	1
12242	Tobacco mosaic virus	1
76935	<i>Bacillus agaradhaerens</i>	1
1188	<i>Tolypothrix</i> sp. PCC 7601	1
352525	Influenza A virus (A/duck/Potsdam/2216-4/1984(H5N6))	1
10726	Enterobacteria phage T5	1
35345	Lactococcus phage TP901-1	1
167644	<i>Llyobacter tartaricus</i>	1
1914	<i>Streptomyces lavendulae</i>	1
38577	<i>Bufo arenarum</i>	1
11278	Vesicular stomatitis Indiana virus strain Glasgow	1
7123	<i>Hyalophora cecropia</i>	1
491	<i>Neisseria meningitidis</i> serogroup B	1
54571	<i>Streptomyces venezuelae</i>	1
659	<i>Photobacterium phosphoreum</i>	1
12092	Hepatitis A virus	1
266835	<i>Mesorhizobium loti</i> MAFF303099	1
964	<i>Herbaspirillum seropedicae</i>	1
12315	Tomato aspermy virus	1
311400	<i>Thermococcus kodakarensis</i>	1
80866	<i>Delftia acidovorans</i>	1
28502	<i>Amaranthus hypochondriacus</i>	1
29309	<i>Streptomyces verticillus</i>	1
5499	<i>Passalora fulva</i>	1
32059	<i>Phormidium laminosum</i>	1
11091	\N	1
6644	\N	1
185431	<i>Trypanosoma brucei</i> TREU927	1
2017	<i>Streptoalloteichus hindustanus</i>	1
40050	African horsesickness virus	1
340	<i>Xanthomonas campestris</i> pv. <i>campestris</i>	1
7242	<i>Drosophila</i> sp.	1

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2327	<i>Methylophilus methylotrophus</i> W3A1	1
8649	<i>Naja kaouthia</i>	1
3627	<i>Actinidia deliciosa</i>	1
59511	<i>Pseudomonas syringae</i> pv. <i>maculicola</i>	1
735	<i>Haemophilus parahaemolyticus</i>	1
12139	Southern bean mosaic virus	1
3911	<i>Vicia villosa</i>	1
72539	<i>Physalis</i> mottle virus	1
10304	Herpes simplex virus (type 1 / strain F)	1
5053	<i>Aspergillus aculeatus</i>	1
90370	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhi	1
1399	<i>Bacillus firmus</i>	1
10683	<i>Bacillus</i> phage PBS1	1
33950	<i>Thermoanaerobacterium thermosulfurigenes</i>	1
6339	<i>Heligmosomoides polygyrus</i>	1
6956	<i>Dermatophagoides pteronyssinus</i>	1
192387	<i>Alicyclobacillus sendaiensis</i>	1
2788	<i>Porphyra yezoensis</i>	1
50472	<i>Hordeum</i> sp.	1
64608	<i>Agrocybe cylindracea</i>	1
882	<i>Desulfovibrio vulgaris</i> str. Hildenborough	1
290338	<i>Citrobacter koseri</i> ATCC BAA-895	1
18101	<i>Gerbera</i> hybrid cultivar	1
10533	Human adenovirus 1	1
5286	<i>Rhodosporidium toruloides</i>	1
95649	<i>Bothrops neuwiedi pauloensis</i>	1
1426	<i>Geobacillus thermoglucosidasius</i>	1
10730	<i>Enterobacteria</i> phage 933W	1
445985	<i>Borrelia burgdorferi</i> ZS7	1
5827	<i>Plasmodium cynomolgi</i>	1
1642	<i>Listeria innocua</i>	1
35621	<i>Streptomyces mobaraensis</i>	1
11066	Dengue virus 2 Puerto Rico/PR159-S1/1969	1
167804	<i>Dipsochelys dussumieri</i>	1
38868	<i>Salvia officinalis</i>	1
11283	Vesicular stomatitis virus (serotype New Jersey / strain Ogden)	1
45596	<i>Candida tenuis</i>	1
11788	Abelson murine leukemia virus	1
228330	SARS coronavirus Urbani	1
9541	<i>Macaca fascicularis</i>	1

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12336 Clostridium phage c-st	1
4511 Eleusine coracana	1
28503 Sambucus ebulus	1
29323 Thermoanaerobacter brockii	1
383561 Influenza A virus (A/swine/Italy/1850/1977(H3N2))	1
32060 Phormidium lapideum	1
10863 Enterobacteria phage f1	1
140437 Streptomyces sp. R1128	1
1760 Actinobacteria (class)	1
11099 Bovine viral diarrhea virus 1	1
6689 Litopenaeus vannamei	1
185447 Parkia platycephala	1
2021 Thermobifida fusca	1
346 Xanthomonas citri	1
11623 Lymphocytic choriomeningitis virus	1
7244 Drosophila virilis	1
11960 Avian myeloblastosis-associated virus	1
59837 Leiostomus xanthurus	1
813 Chlamydia trachomatis	1
9793 Equus asinus	1
272944 Rickettsia conorii str. Malish 7	1
3914 Vigna angularis	1
73044 Streptomyces seoulensis	1
1108 Chloroflexus aurantiacus	1
12814 Respiratory syncytial virus	1
10308 Herpes simplex virus (type 1 / strain Patton)	1
337052 Bovine papillomavirus - 1	1
90736 Moritella marina	1
1400 Bacillus intermedius	1
418136 Francisella tularensis subsp. tularensis WY96-3418	1
5699 Trypanosoma vivax	1
113192 Bothrops pirajai	1
33953 Clostridium aminobutyricum	1
6352 \N	1
37487 Marichromatium purpuratum	1
272 Thermus caldophilus	1
7004 Locusta migratoria	1
192952 Methanosarcina mazei Go1	1
3054 Chlamydomonas moewusii	1
260674 Citrullus lanatus subsp. vulgaris	1

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887 \N	1
77763 Banna virus	1
28039 Lactobacillus leichmannii	1
10370 Human herpesvirus 6 (strain Uganda-1102)	1
96471 Bacillus sp. YM55-1	1
31744 Rice yellow mottle virus	1
452646 Neovison vison	1
129555 Amphitrite ornata	1
35670 Naja naja	1
1921 Streptomyces olivaceoviridis	1
38945 Flammulina velutipes	1
11292 Rabies virus	1
7141 Choristoneura fumiferana	1
199306 Coccidioides posadasii	1
11791 AKR (endogenous) murine leukemia virus	1
3496 Maclura pomifera	1
668 Vibrio fischeri	1
269086 Pseudomonas sp. SY-77-1	1
68170 Lechevalieria aerocolonigenes	1
81841 Pseudomonas sp. 130	1
28572 Penicillium funiculosum	1
29342 Clostridium botulinum D phage	1
32536 Acinonyx jubatus	1
6185 Schistosoma haematobium	1
141716 Monomastix sp. OKE-1	1
36374 Visna/maedi virus EV1 KV1772	1
11636 Reticuloendotheliosis virus	1
7370 Musca domestica	1
212017 Lethocerus indicus	1
8665 Ophiophagus hannah	1
3654 Citrullus lanatus	1
61172 Laguna Negra virus	1
343250 Daboia russellii siamensis	1
4839 Rhizomucor miehei	1
85232 Morus nigra	1
90973 Bacillus sp. TA2.A1	1
30608 Microcebus murinus	1
419947 Mycobacterium tuberculosis H37Ra	1
113636 Populus tremula	1
1582 Lactobacillus casei	1

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34007	<i>Paracoccus versutus</i>	1
11008	<i>Saccharomyces cerevisiae</i> virus L-A (L1)	1
157732	<i>Rhodococcus</i> sp. NCIMB 9784	1
1887	<i>Streptomyces albogriseolus</i>	1
37501	<i>Maackia amurensis</i>	1
43306	<i>Pseudomonas denitrificans</i>	1
435	<i>Acetobacter aceti</i>	1
7801	<i>Ginglymostoma cirratum</i>	1
51350	<i>Brassica rapa</i> subsp. <i>rapa</i>	1
298334	Simian adenovirus A	1
4092	<i>Nicotiana plumbaginifolia</i>	1
28068	<i>Rubrivivax gelatinosus</i>	1
360102	<i>Yersinia pestis</i> Antiqua	1
10560	Bovine papillomavirus type 2	1
5319	<i>Irpex lacteus</i>	1
31749	Obuda pepper virus	1
5850	<i>Plasmodium knowlesi</i>	1
35688	<i>Porphyridium purpureum</i>	1
6454	<i>Haliotis rufescens</i>	1
169963	<i>Listeria monocytogenes</i> EGD-e	1
1924	<i>Streptomyces purpurascens</i>	1
39152	<i>Methanococcus maripaludis</i>	1
45916	<i>Nostoc ellipsosporum</i>	1
228410	<i>Nitrosomonas europaea</i> ATCC 19718	1
3501	<i>Urtica dioica</i>	1
269145	Sulfolobus turreted icosahedral virus	1
82300	Adeno-associated virus - 5	1
28737	<i>Elephantulus edwardii</i>	1
29388	<i>Staphylococcus capitis</i>	1
5539	<i>Scytalidium lignicola</i>	1
103904	Coxsackievirus B3 (strain Woodruff)	1
32603	Human herpesvirus 6A	1
10870	Enterobacteria phage M13	1
144185	<i>Leifsonia aquatica</i>	1
188	<i>Magnetospirillum magnetotacticum</i>	1
6706	<i>Homarus americanus</i>	1
186538	Zaire ebolavirus	1
2045	<i>Pimelobacter simplex</i>	1
40245	<i>Cucumaria echinata</i>	1
7389	<i>Hypoderma lineatum</i>	1

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213804	Janthinobacterium sp. J3	1
2337	Thermotoga neapolitana	1
563	Escherichia blattae	1
11986	Carnation mottle virus	1
243277	Vibrio cholerae O1 biovar El Tor str. N16961	1
61861	Canavalia brasiliensis	1
73475	Chicken anemia virus Cuxhaven-1/Germany	1
13249	Rhodnius prolixus	1
344021	Enterobacteria phage K1F	1
91201	Gastrodia elata	1
115547	uncultured archaeon	1
1583	Weissella confusa	1
34028	Comamonas sp.	1
6396	Eisenia fetida	1
157791	Vigna radiata	1
11217	Human parainfluenza 3 virus (strain NIH 47885)	1
7038	Bemisia tabaci	1
43759	Streptomyces wedmorensis	1
438	Acetobacter pasteurianus	1
11706	HIV-1 M:B_HXB2R	1
3088	Scenedesmus obliquus	1
8844	Anser anser anser	1
261594	Bacillus anthracis str. 'Ames Ancestor'	1
65553	Sulfurospirillum deleyianum	1
300269	Shigella sonnei Ss046	1
78245	Xanthobacter autotrophicus Py2	1
1270	Micrococcus luteus	1
28081	Bordetella sp.	1
5322	Pleurotus ostreatus	1
97234	Dryopteris crassirhizoma	1
1434	Bacillus thuringiensis serovar berliner	1
31902	Dasyatis akajei	1
1679	Bifidobacterium longum subsp. longum	1
35703	Citrobacter amalonaticus	1
11073	Japanese encephalitis virus strain SA-14	1
6456	Haliotis fulgens	1
39300	Ectatomma tuberculatum	1
2277	Pyrobaculum islandicum	1
45920	Araneus diadematus	1
229992	SARS coronavirus Frankfurt 1	1

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55810	<i>Bulinus truncatus</i>	1
12118	Foot-and-mouth disease virus - type O	1
3873	<i>Lupinus luteus</i>	1
69011	<i>Pseudomonas</i> sp. C18	1
10255	Variola virus	1
4550	<i>Secale cereale</i>	1
29390	<i>Streptococcus gordonii</i> str. Challis	1
10637	Mouse polyomavirus (strain Crawford small-plaque)	1
5541	<i>Thermomyces lanuginosus</i>	1
6206	<i>Taenia saginata</i>	1
2093	<i>Mycoplasma</i>	1
40324	<i>Stenotrophomonas maltophilia</i>	1
7425	<i>Nasonia vitripennis</i>	1
214092	<i>Yersinia pestis</i> CO92	1
2378	<i>Sporomusa ovata</i>	1
47982	<i>Plexaura homomalla</i>	1
11988	Turnip crinkle virus	1
243365	<i>Chromobacterium violaceum</i> ATCC 12472	1
62887	<i>Gliocladium</i>	1
10324	Bovine herpesvirus type 1.1 (strain P8-2)	1
345073	<i>Vibrio cholerae</i> O395	1
1584	<i>Lactobacillus delbrueckii</i>	1
34381	<i>Aspergillus japonicus</i>	1
37632	<i>Amycolatopsis</i> sp.	1
276	<i>Thermus filiformis</i>	1
442	<i>Gluconobacter oxydans</i>	1
7962	<i>Cyprinus carpio</i>	1
224914	<i>Brucella melitensis</i> 16M	1
3120	<i>Ulva pertusa</i>	1
52275	Human adenovirus 37	1
3750	<i>Malus x domestica</i>	1
65699	<i>Neisseria meningitidis</i> serogroup A	1
907	<i>Megasphaera elsdenii</i>	1
10092	<i>Mus musculus domesticus</i>	1
78447	<i>Corallina pilulifera</i>	1
28278	Human adenovirus 19	1
1445	<i>Bacillus alcalophilus</i>	1
10761	Enterobacteria phage Sf6	1
129951	Human adenovirus C	1
1680	<i>Bifidobacterium adolescentis</i>	1

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171101	Streptococcus pneumoniae R6	1
39443	Carnation Italian ringspot virus	1
11351	\N	1
11863	Avian erythroblastosis virus (strain S13)	1
8400	Rana catesbeiana	1
230105	Methylophaga aminisulfivorans	1
672	Vibrio vulnificus	1
69014	Thermococcus kodakarensis KOD1	1
12538	Mokola virus	1
326425	Lactobacillus helveticus CNRZ32	1
82835	\N	1
28896	Thermoanaerobacterium saccharolyticum	1
29438	Pseudomonas savastanoi	1
390157	Seneca valley virus	1
5554	Trichosporon cutaneum	1
1511	Clostridium sticklandii	1
6238	Caenorhabditis briggsae	1
145263	Methanothermobacter marburgensis	1
36659	Volvariella volvacea	1
6715	Astacus astacus	1
2094	Mycoplasma arginini	1
361	Agrobacterium sp.	1
11670	Equine infectious anemia virus (CLONE 1369)	1
7460	Apis mellifera	1
216371	Penicillium stoloniferum virus S	1
2465	Plasmid F	1
12017	Enterobacteria phage fr	1
9844	Lama glama	1
273068	Thermoanaerobacter tengcongensis MB4	1
3983	Manihot esculenta	1
74567	Flavobacterium sp. ATCC 27551	1
1147	Synechocystis sp. PCC 6714	1
13616	Monodelphis domestica	1
5079	Penicillium janthinellum	1
92652	Shrimp white spot syndrome virus	1
1408	Bacillus pumilus	1
31234	Caenorhabditis remanei	1
10711	Enterobacteria phage P21	1
425529	Influenza A virus (A/Albany/3/1970(H3N2))	1
5741	Giardia intestinalis	1



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1585	<i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i>	1
34413	<i>Humicola insolens</i>	1
11036	Venezuelan equine encephalitis virus	1
6410	<i>Haementeria officinalis</i>	1
158879	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> N315	1
1897	<i>Streptomyces carzinostaticus</i>	1
37682	<i>Aegilops tauschii</i>	1
44270	<i>Leishmania mexicana mexicana</i>	1
471	<i>Acinetobacter calcoaceticus</i>	1
3316	<i>Thuja plicata</i>	1
52853	<i>Silene latifolia</i> subsp. <i>alba</i>	1
8932	<i>Columba livia</i>	1
3816	<i>Abrus precatorius</i>	1
66188	<i>Micropechis ikaheka</i>	1
12287	Flock house virus	1
380983	Influenza A virus (A/Leningrad/134/47/1957(H2N2))	1
5346	<i>Coprinopsis cinerea</i>	1
99565	Chiba virus	1
1449	<i>Amphibacillus xylanus</i>	1
517417	<i>Chlorobaculum parvum</i> NCIB 8327	1
35806	<i>Rhodovulum sulfidophilum</i>	1
175771	<i>Heteractis crispa</i>	1
1932	<i>Streptomyces tendae</i>	1
39682	<i>Viridovipera stejnegeri</i>	1
7168	<i>Anopheles dirus</i>	1
204723	<i>Peniophora</i> sp. SG	1
46018	Human echovirus 7	1
536	<i>Chromobacterium violaceum</i>	1
11873	Avian musculoaponeurotic fibrosarcoma virus AS42	1
8403	<i>Rana perezi</i>	1
230624	<i>Trametes ochracea</i>	1
3559	<i>Chenopodium album</i>	1
56812	<i>Shewanella frigidimarina</i>	1
686	<i>Vibrio cholerae</i> O1 biovar El tor	1
12541	<i>Nudaurelia capensis</i> omega virus	1
10259	Orf virus (strain NZ2)	1
329852	Enterobacteria phage MS2	1
83131	<i>Cratylia argentea</i>	1
86600	<i>Discosoma</i> sp.	1
29459	<i>Brucella melitensis</i>	1

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392809 Influenza A virus (A/Victoria/3/1975(H3N2))	1
105402 Zoanthus sp.	1
1512 Clostridium symbiosum	1
33178 Aspergillus terreus	1
1823 Nocardia otitidiscaviarum	1
11122 Avian infectious bronchitis virus (strain Beaudette)	1
6728 Procambarus clarkii	1
40410 Cryptococcus neoformans var. neoformans	1
7668 Strongylocentrotus purpuratus	1
2489 Plasmid R483	1
584 Proteus mirabilis	1
12022 Enterobacterio phage MS2	1
63330 Hendra virus	1
75891 Thermus sp. IM6501	1
13686 Solenopsis invicta	1
10329 Equine herpesvirus type 1 (strain Kentucky A)	1
347515 Leishmania major strain Friedlin	1
360398 Staphylococcus phage phiPVL108	1
31285 Trypanosoma brucei gambiense	1
431947 Porphyromonas gingivalis ATCC 33277	1
5755 Acanthamoeba castellanii	1
118974 Stromatopelma griseipes	1
34631 Rhipicephalus appendiculatus	1
11047 Equine arteritis virus	1
6419 Hirudinaria manillensis	1
160268 Clonostachys	1
37734 Enterococcus casseliflavus	1
196627 Corynebacterium glutamicum ATCC 13032	1
472 Acinetobacter sp.	1
11716 Human immunodeficiency virus type 2 (ISOLATE D205,7)	1
52861 Tabernaemontana divaricata	1
66431 Streptomyces thioluteus	1
301887 Echinophyllia sp. SC22	1
79261 Streptomyces castaneoglobisporus	1
1288 Staphylococcus xylosus	1
381517 Influenza A virus (A/Udorn/307/1972(H3N2))	1
5353 Lentinula edodes	1
99571 Dioclea guianensis	1
1467 Bacillus lentus	1
32044 Pseudomonas mevalonii	1

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130309 Human adenovirus F	1
1717 Corynebacterium diphtheriae	1
1938 Streptomyces viridochromogenes	1
39803 Enterobacteria phage Qbeta	1
322 Pseudomonas syringae pv. tabaci	1
11531 Influenza B virus (STRAIN B/HONG KONG/8/73)	1
46170 Staphylococcus aureus subsp. aureus	1
237561 Candida albicans SC5314	1
58217 Loxosceles laeta	1
713 Actinobacillus	1
12558 Sesbania mosaic virus	1
329853 Enterobacteria phage BZ13	1
4920 Pichia farinosa	1
29461 Brucella suis	1
10677 Enterobacteria phage Mu	1
394503 Clostridium cellulolyticum H10	1
37114 Human papillomavirus type 55	1
228 Pseudoalteromonas haloplanktis	1
11128 Bovine coronavirus	1
6772 Geluca pugilator	1
7719 Ciona intestinalis	1
49577 Costus speciosus	1
8722 Bothrops asper	1
12222 Soybean mosaic virus	1
4043 Petroselinum crispum	1
76114 Aromatoleum aromaticum EbN1	1
10331 Equid herpesvirus 4	1