

original

NCBI taxonomy id	Scientific_name	Number_of_interactions
4932	Saccharomyces cerevisiae	116012
9606	Homo sapiens	102673
7227	Drosophila melanogaster	47471
40674	Mammalia	35023
6239	Caenorhabditis elegans	12205
562	Escherichia coli	12071
197	Campylobacter jejuni	12025
4896	Schizosaccharomyces pombe	11853
10090	Mus musculus	11506
3702	Arabidopsis thaliana	5308
10116	Rattus norvegicus	4223
160	Treponema pallidum	3647
83333	Escherichia coli K-12	3503
1142	Synechocystis	3057
36329	Plasmodium falciparum 3D	2758
83334	Escherichia coli O157:H7	2562
-8	\N	1917
85962	Helicobacter pylori 26695	1599
210	Helicobacter pylori	1572
11676	Human immunodeficiency virus 1	1316
9913	Bos taurus	944
1148	Synechocystis sp. PCC 6803	453
32630	synthetic construct	447
4530	Oryza sativa	441
246197	Myxococcus xanthus DK 16222	377
0	\N	336
8355	Xenopus laevis	313
9031	Gallus gallus	311
10376	Human herpesvirus 4	304
217992	Escherichia coli O6	296
272951	Rickettsia sibirica 246	284
333284	Hepatitis C virus (isolate Con)	282
274	Thermus thermophilus	227
39947	Oryza sativa Japonica Group	222
1423	Bacillus subtilis	212
10335	Human herpesvirus 3	174
9986	Oryctolagus cuniculus	172
623	Shigella flexneri	159
170187	Streptococcus pneumoniae	155

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9823 <i>Sus scrofa</i>	149
-2 \N	146
10377 Human herpesvirus 4 (strai	141
2336 <i>Thermotoga maritima</i>	131
53953 <i>Pyrococcus horikoshii</i>	125
333760 Human papillomavirus type	124
11103 Hepatitis C virus	119
37296 Human herpesvirus 8	115
1773 <i>Mycobacterium tuberculosis</i>	115
10299 Herpes simplex virus (type	113
287 <i>Pseudomonas aeruginosa</i>	103
44689 <i>Dictyostelium discoideum</i>	100
10254 <i>Vaccinia virus WR</i>	93
10633 Simian virus 40	92
4102 <i>Petunia x hybrida</i>	89
10070 <i>Akodon aerosus</i>	89
146786 <i>Thermosynechococcus elo</i>	86
602 \N	86
3888 <i>Pisum sativum</i>	84
28285 Human adenovirus 5	79
3562 <i>Spinacia oleracea</i>	78
7955 <i>Danio rerio</i>	73
1422 <i>Geobacillus stearothermop</i>	73
1280 <i>Staphylococcus aureus</i>	71
4565 <i>Triticum aestivum</i>	62
1063 <i>Rhodobacter sphaeroides</i>	60
5691 <i>Trypanosoma brucei</i>	59
303 <i>Pseudomonas putida</i>	59
10245 <i>Vaccinia virus</i>	59
727 <i>Haemophilus influenzae</i>	57
9615 <i>Canis lupus familiaris</i>	55
3055 <i>Chlamydomonas reinhardtii</i>	53
190486 <i>Xanthomonas axonopodis</i>	51
2261 <i>Pyrococcus furiosus</i>	50
11320 Influenza A virus	50
333761 Human papillomavirus type	48
2287 <i>Sulfolobus solfataricus</i>	46
4113 <i>Solanum tuberosum</i>	46
4081 <i>Solanum lycopersicum</i>	46
32046 <i>Synechococcus elongatus</i>	44

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2190 Methanocaldococcus jannaschii	43
6421 Hirudo medicinalis	43
4577 Zea mays	43
284812 Schizosaccharomyces pombe	43
266 Paracoccus denitrificans	42
271 Thermus aquaticus	41
2234 Archaeoglobus fulgidus	41
11908 Human T-lymphotropic virus 1	40
10407 Hepatitis B virus	39
10580 Human papillomavirus type 16	39
4097 Nicotiana tabacum	39
10559 Bovine papillomavirus type 1	38
10760 Enterobacteria phage T7	38
358 Agrobacterium tumefaciens	38
2238 Haloarcula marismortui	38
5833 Plasmodium falciparum	37
4513 Hordeum vulgare	37
63363 Aquifex aeolicus	34
145262 Methanothermobacter thermautotrophicus	34
187420 Methanothermobacter thermautotrophicus	34
243274 Thermotoga maritima MSB8	33
1895 Streptomyces avidinii	32
10665 Enterobacteria phage T4	32
10298 Human herpesvirus 1	32
9534 Chlorocebus aethiops	31
31647 Hepatitis C virus subtype 1	31
666 Vibrio cholerae	31
1390 Bacillus amyloliquefaciens	31
9103 Meleagris gallopavo	30
1140 Synechococcus elongatus PCC 6803	29
1140 Synechococcus elongatus PCC 6803	29
10515 Human adenovirus 2	29
1392 Bacillus anthracis	29
573 Klebsiella pneumoniae	28
10249 Vaccinia virus Copenhagen	27
176299 Agrobacterium tumefaciens	26
208964 Pseudomonas aeruginosa	26
1313 Streptococcus pneumoniae	26
1314 Streptococcus pyogenes	26
11309 unidentified influenza virus	25

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28282 Human adenovirus 12	24
360111 Campylobacter jejuni subsp	24
83541 Mastigocladus laminosus	23
354242 Campylobacter jejuni subsp	23
1299 Deinococcus radiodurans	23
10029 Cricetulus griseus	22
155892 Caulobacter vibrioides	22
5476 Candida albicans	22
300852 Thermus thermophilus HB8	21
10710 Enterobacteria phage lambda	21
83332 Mycobacterium tuberculosis	21
9796 Equus caballus	20
1061 Rhodobacter capsulatus	20
4922 Pichia pastoris	20
1911 Streptomyces griseus	20
5141 Neurospora crassa	20
9598 Pan troglodytes	20
85963 Helicobacter pylori J99	19
12133 \N	19
12110 Foot-and-mouth disease virus	19
2303 Thermoplasma acidophilum	18
11886 Rous sarcoma virus	18
306 Pseudomonas sp.	18
632 Yersinia pestis	17
1351 Enterococcus faecalis	17
28451 Klebsiella aerogenes	17
56636 Aeropyrum pernix	16
70601 Pyrococcus horikoshii OT3	16
10600 Human papillomavirus type	16
227859 SARS coronavirus	16
1491 Clostridium botulinum	16
556 Erwinia chrysanthemi	16
520 Bordetella pertussis	16
10117 Rattus rattus	16
4151 Antirrhinum majus	15
9838 Camelus dromedarius	15
615 Serratia marcescens	15
5116 Cryphonectria parasitica	15
11679 Human immunodeficiency virus	15

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7787 <i>Torpedo californica</i>	15
630 <i>Yersinia enterocolitica</i>	15
1393 <i>Brevibacillus brevis</i>	14
5693 <i>Trypanosoma cruzi</i>	14
1358 <i>Lactococcus lactis</i>	14
8616 <i>Bungarus multicinctus</i>	14
1902 <i>Streptomyces coelicolor</i>	14
99287 <i>Salmonella enterica</i> subsp.	14
360110 <i>Campylobacter jejuni</i> subsp.	14
283166 <i>Bartonella henselae</i> str. Ho	14
1502 <i>Clostridium perfringens</i>	14
9940 <i>Ovis aries</i>	14
186497 <i>Pyrococcus furiosus</i> DSM 1	13
31531 <i>Vaccinia virus</i> L-IPV	13
10585 Human papillomavirus type	13
12130 Human rhinovirus 2	13
11276 Vesicular stomatitis virus	13
10036 <i>Mesocricetus auratus</i>	13
12215 Potato virus A	13
1079 <i>Blastochloris viridis</i>	13
211044 Influenza A virus (A/Puerto	13
1085 <i>Rhodospirillum rubrum</i>	13
197221 <i>Thermosynechococcus elo</i>	13
3847 <i>Glycine max</i>	13
13773 <i>Pyrobaculum aerophilum</i>	13
3858 <i>Lathyrus ochrus</i>	13
11234 Measles virus	13
11060 Dengue virus 2	12
10754 Enterobacteria phage P22	12
294 <i>Pseudomonas fluorescens</i>	12
1396 <i>Bacillus cereus</i>	12
1515 <i>Clostridium thermocellum</i>	12
11709 Human immunodeficiency v	12
31199 <i>Argopecten irradians</i>	12
11623 Lymphocytic choriomeningi	12
11084 Tick-borne encephalitis viru	12
139 <i>Borrelia burgdorferi</i>	11
10141 <i>Cavia porcellus</i>	11
633 <i>Yersinia pseudotuberculosis</i>	11
414 <i>Methylococcus capsulatus</i>	11

original

5811 Toxoplasma gondii	11
3823 Canavalia ensiformis	11
511 Alcaligenes faecalis	11
3489 Artocarpus heterophyllus	11
11105 Hepatitis C virus (isolate BI	11
7757 Petromyzon marinus	11
10678 Enterobacteria phage P1	11
1639 Listeria monocytogenes	11
32644 unidentified	11
1916 Streptomyces lividans	11
12721 Human immunodeficiency v	10
12075 Swine vesicular disease vir	10
-3 \N	10
601 \N	10
32053 Thermosynechococcus vul	10
224308 Bacillus subtilis subsp. sub	10
1833 Rhodococcus erythropolis	10
11108 Hepatitis C virus (isolate H)	10
243233 Methylococcus capsulatus	10
10581 \N	10
11475 \N	10
1168 Nostoc sp. PCC 7119	10
323 Pseudomonas syringae pv.	10
73239 Plasmodium yoelii yoelii	9
10635 Mouse polyomavirus (strair	9
10359 Human herpesvirus 5	9
10360 Human herpesvirus 5 strair	9
2208 Methanosarcina barkeri	9
844 Wolinella succinogenes	9
7091 Bombyx mori	9
190386 Agrobacterium tumefaciens	9
12081 Human poliovirus 1 Mahon	9
11191 Sendai virus	9
7224 Drosophila hydei	9
1901 Streptomyces clavuligerus	9
6621 Loligo pealei	9
5702 Trypanosoma brucei bruce	9
11685 HIV-1 M:B_ARV2/SF2	9
224325 Archaeoglobus fulgidus DS	9
11723 Simian immunodeficiency v	9
12637 Dengue virus	9

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10583 Human papillomavirus type	9
5664 Leishmania major	9
10684 Bacillus phage PBS2	8
6500 Aplysia californica	8
238 Elizabethkingia meningose	8
4558 Sorghum bicolor	8
2320 Methanopyrus kandleri	8
3885 Phaseolus vulgaris	8
510 \N	8
1260 Finegoldia magna	8
11678 Human immunodeficiency v	8
10579 Human papillomavirus type	8
317 Pseudomonas syringae	8
10891 Reovirus sp.	8
10847 Enterobacteria phage phiX	8
6398 Lumbricus terrestris	8
8656 Naja atra	8
4100 Nicotiana benthamiana	8
3544 Mesembryanthemum cryst:	7
45659 Human adenovirus 3	7
7067 Tenebrio molitor	7
7153 Chironomus tentans	7
158 Treponema denticola	7
585 Proteus vulgaris	7
296 Pseudomonas fragi	7
1352 Enterococcus faecium	7
9825 Sus scrofa domestica	7
227321 Aspergillus nidulans FGSC	7
12208 Pea seed-borne mosaic vir	7
132504 Influenza A virus (A/X-31(H	7
11801 Moloney murine leukemia v	7
103690 Nostoc sp. PCC 7120	7
8846 Anser indicus	7
11901 Bovine leukemia virus	7
36409 Rinderpest virus (strain RB	7
10804 Adeno-associated virus - 2	7
11599 Hantaan virus	7
8618 Dendroaspis angusticeps	7
12088 Poliovirus type 3 (strains P:	7
4084 Solanum pimpinellifolium	7

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669	Vibrio harveyi	7
1404	Bacillus megaterium	7
5558	\N	7
881	Desulfovibrio vulgaris	7
285	Comamonas testosteroni	7
12069	Human coxsackievirus A21	7
7788	Torpedo marmorata	7
5911	Tetrahymena thermophila	7
42897	Shigella flexneri 2a	6
485	Neisseria gonorrhoeae	6
226185	Enterococcus faecalis V58:	6
1131	Synechococcus sp.	6
111955	Sulfolobus tokodaii	6
8839	Anas platyrhynchos	6
5791	Physarum polycephalum	6
2026	Thermoactinomyces vulgar	6
487	Neisseria meningitidis	6
12078	Human echovirus 11	6
6253	Ascaris suum	6
408	Methylobacterium extorque	6
3988	Ricinus communis	6
3457	Dioscoreophyllum cummin:	6
10658	Enterobacteria phage PRD	6
44130	Human rhinovirus 3	6
550	Enterobacter cloacae	6
1525	Moorella thermoacetica	6
162425	Emericella nidulans	6
46633	Human echovirus 1	6
876	Desulfovibrio desulfuricans	6
12084	Poliovirus type 2 (strain Lai	6
10884	Mammalian orthoreovirus 1	6
12064	Bovine enterovirus	6
1402	Bacillus licheniformis	6
730	Haemophilus ducreyi	6
47421	Hydrogenophaga pseudofl:	6
879	Desulfovibrio gigas	6
8724	Bothrops jararaca	6
10527	Human adenovirus 9	6
1752	Propionibacterium freudenr	6
421877	Hepatitis C virus isolate HC	6

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5855 Plasmodium vivax	6
2166 \N	6
3708 Brassica napus	6
12067 Human coxsackievirus A9	6
2285 Sulfolobus acidocaldarius	6
41529 Salmonella enterica subsp.	6
1167 Anabaena sp.	6
5656 Crithidia fasciculata	6
2286 Sulfolobus shibatae	6
1049 Allochromatium vinosum	6
3712 Brassica oleracea	6
83374 Galdieria partita	6
8766 \N	5
293 Brevundimonas diminuta	5
1050 Thermochromatium tepidur	5
10384 Herpesvirus saimiri (strain ·	5
5665 Leishmania mexicana	5
1772 Mycobacterium smegmatis	5
11698 Human immunodeficiency \	5
1306 Streptococcus sp.	5
6523 Lymnaea stagnalis	5
11489 \N	5
5061 Aspergillus niger	5
272943 Rhodobacter sphaeroides :	5
112509 Hordeum vulgare subsp. vt	5
644 Aeromonas hydrophila	5
905 Acidaminococcus fermenta	5
216593 \N	5
12126 Theiler's encephalomyelitis	5
10243 Cowpox virus	5
5062 Aspergillus oryzae	5
847 Oxalobacter formigenes	5
8022 Oncorhynchus mykiss	5
148305 Magnaporthe grisea	5
1076 Rhodopseudomonas palus	5
2265 Thermococcus litoralis	5
1143 Synechocystis sp.	5
10879 Pseudomonas phage phi6	5
8030 Salmo salar	5
1831 Rhodococcus sp.	5

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554 <i>Pectobacterium carotovoru</i>	5
59405 <i>Thauera aromatica</i>	5
7111 <i>Trichoplusia ni</i>	5
115711 <i>Chlamydomonas reinhardtii</i>	5
12134 Human rhinovirus 1A	5
28901 <i>Salmonella enterica</i>	5
11033 Semliki forest virus	5
10624 Polyomavirus	5
878 <i>Desulfovibrio fructosovorax</i>	5
5722 <i>Trichomonas vaginalis</i>	5
1720 <i>Corynebacterium sp.</i>	5
86665 <i>Bacillus halodurans</i>	5
3649 <i>Carica papaya</i>	5
1282 <i>Staphylococcus epidermidis</i>	5
17 <i>Methylophilus methylotrophus</i>	5
10626 Hamster polyomavirus	5
360108 <i>Campylobacter jejuni</i> subsp.	5
622 <i>Shigella dysenteriae</i>	5
11610 Seoul virus SR11	5
1156 \N	5
211586 <i>Shewanella oneidensis</i> MR	5
129875 Human adenovirus A	5
11113 Hepatitis C virus isolate HC	5
1501 <i>Clostridium pasteurianum</i>	5
3661 <i>Cucurbita maxima</i>	5
1866 <i>Actinoplanes missouriensis</i>	5
571 <i>Klebsiella oxytoca</i>	5
47881 <i>Pseudomonas pavonaceae</i>	5
3972 <i>Viscum album</i>	5
55676 <i>Oligobranchia mashikoi</i>	5
69488 <i>Penicillium simplicissimum</i>	5
29292 <i>Pyrococcus abyssi</i>	5
235 <i>Brucella abortus</i>	5
6707 <i>Homarus gammarus</i>	5
290579 HIV-1 M:B_Lai	4
542 <i>Zymomonas mobilis</i>	4
3673 <i>Momordica charantia</i>	4
11696 HIV-1 M:B_MN	4
4843 <i>Rhizopus microsporus</i> var.	4
1409 <i>Bacillus sp.</i>	4

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5482 <i>Candida tropicalis</i>	4
818 <i>Bacteroides thetaiotaomicron</i>	4
40137 <i>Oligotropha carboxidovorans</i>	4
9601 <i>Pongo abelii</i>	4
144556 \N	4
3879 <i>Medicago sativa</i>	4
12124 Theiler's encephalomyelitis	4
3677 <i>Trichosanthes kirilowii</i>	4
226186 <i>Bacteroides thetaiotaomicron</i>	4
36307 <i>Deinagkistrodon acutus</i>	4
8692 <i>Bitis arietans</i>	4
546 <i>Citrobacter freundii</i>	4
8364 <i>Xenopus (Silurana) tropicalis</i>	4
10030 <i>Cricetulus longicaudatus</i>	4
226900 <i>Bacillus cereus</i> ATCC 14579	4
4905 <i>Pichia angusta</i>	4
1894 <i>Streptomyces aureofaciens</i>	4
203119 <i>Clostridium thermocellum</i> ATCC 37019	4
73841 <i>Vipera ammodytes meridionalis</i>	4
381666 <i>Ralstonia eutropha</i> H16	4
6848 <i>Carcinoscorpius rotundicollis</i>	4
6426 <i>Riftia pachyptila</i>	4
10991 Rice dwarf virus	4
2787 <i>Porphyra purpurea</i>	4
1074 <i>Rhodoblastus acidophilus</i>	4
11706 HIV-1 M:B_HXB2R	4
46015 <i>Autographa californica</i> nuclear polydromus	4
1309 <i>Streptococcus mutans</i>	4
13037 <i>Danaus plexippus</i>	4
6108 <i>Anemonia sulcata</i>	4
2209 <i>Methanosarcina mazei</i>	4
2262 <i>Pyrococcus woesei</i>	4
10872 <i>Pseudomonas</i> phage Pf3	4
2334 <i>Bacillus</i> sp. PS3	4
915 <i>Nitrosomonas europaea</i>	4
11673 Feline immunodeficiency virus	4
79257 <i>Rhodomonas</i> sp. CS24	4
31646 Hepatitis C virus subtype 1	4
1311 <i>Streptococcus agalactiae</i>	4
1590 <i>Lactobacillus plantarum</i>	4

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11855 Mason-Pfizer monkey virus	4
10506 Paramecium bursaria Chlo	4
30591 Aotus azarai	4
1312 \N	4
1591 Lactobacillus sp.	4
2214 Methanosarcina acetivoran	4
275 Thermus sp.	4
3906 Vicia faba	4
9544 Macaca mulatta	4
12227 Tobacco etch virus	4
6183 Schistosoma mansoni	4
65404 Polysiphonia urceolata	4
6945 Ixodes scapularis	4
8090 Oryzias latipes	4
12591 \N	4
1836 Saccharopolyspora erythra	4
28985 Kluyveromyces lactis	4
11720 Human immunodeficiency v	4
88087 Trimeresurus flavoviridis	4
1320 Streptococcus sp. 'group G	4
2242 Halobacterium salinarum	4
3916 Vigna radiata var. radiata	4
1582 Lactobacillus casei	4
11082 West Nile virus	4
1098 Prosthecochloris vibrioform	4
12243 Tobacco mosaic virus (vulg	4
10381 Saimiriine herpesvirus 2	4
1665 Arthrobacter globiformis	4
3864 Lens culinaris	4
3329 Picea abies	4
12072 Human coxsackievirus B3	4
272562 Clostridium acetobutylicum	4
382 Sinorhizobium meliloti	4
10849 Enterobacteria phage alpha	4
12353 Enterobacteria phage RB6!	3
1769 Mycobacterium leprae	3
119072 Thermoanaerobacter tengc	3
11246 Bovine respiratory syncytia	3
8237 Thunnus thynnus	3
158879 Staphylococcus aureus suk	3

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263374 Bordetella phage BMP-1	3
5945 \N	3
1887 Streptomyces albogriseolus	3
2257 Natronomonas pharaonis	3
11484 Influenza A virus (A/whale/	3
12258 Comovirus	3
37137 Simian rotavirus A/SA11-bc	3
11665 Equine infectious anemia v	3
51453 Hypocrea jecorina	3
1394 Bacillus caldolyticus	3
6419 Hirudinaria manillensis	3
11250 Human respiratory syncytia	3
10756 Bacillus phage phi29	3
10144 Cavia cutleri	3
237561 Candida albicans SC5314	3
1474 Sporosarcina pasteurii	3
10864 Enterobacteria phage fd	3
11149 Transmissible gastroenterit	3
8843 Anser anser	3
1197 Fremyella diplosiphon	3
31553 Papillomavirus sylvilagi (ST	3
2775 Gracilaria chilensis	3
11268 \N	3
1307 Streptococcus suis	3
1421 Lysinibacillus sphaericus	3
12161 Beet yellows virus	3
1587 Lactobacillus helveticus	3
6100 Aequorea victoria	3
340 Xanthomonas campestris p	3
3818 Arachis hypogaea	3
102746 Hieracium piloselloides	3
2327 Methylophilus methylotroph	3
253435 SARS coronavirus PUMC0	3
12475 Hepatitis delta virus	3
121791 Nipah virus	3
10366 Murid herpesvirus 1	3
173 Leptospira interrogans	3
345076 Vibrio cholerae V52	3
82367 Paracoccus pantotrophus	3
33708 Murid herpesvirus 4	3

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1354	<i>Enterococcus hirae</i>	3
1488	<i>Clostridium acetobutylicum</i>	3
426	<i>Methylosinus trichosporium</i>	3
7102	<i>Heliothis virescens</i>	3
10566	Human papillomavirus	3
5821	<i>Plasmodium berghei</i>	3
2104	<i>Mycoplasma pneumoniae</i>	3
10794	Minute virus of mice	3
2210	<i>Methanosarcina thermophil</i>	3
873	<i>Desulfovibrio africanus</i>	3
48465	<i>Prostheco bacter de jongeei</i>	3
5076	<i>Penicillium chrysogenum</i>	3
1717	<i>Corynebacterium diphtheriae</i>	3
103782	Pariacato virus	3
37554	Enterobacteria phage HK97	3
10315	Human herpesvirus 2 strain	3
257313	<i>Bordetella pertussis</i> Tohar	3
9541	<i>Macaca fascicularis</i>	3
4076	<i>Datura stramonium</i>	3
10623	Cottontail rabbit papillomav	3
133899	\N	3
3490	<i>Artocarpus integer</i>	3
36436	Simian rotavirus A/SA11-41	3
243230	<i>Deinococcus radiodurans</i> F	3
1494	<i>Clostridium cochlearium</i>	3
6938	<i>Ornithodoros moubata</i>	3
8053	<i>Gadus callarias</i>	3
9874	<i>Odocoileus virginianus</i>	3
316	<i>Pseudomonas stutzeri</i>	3
10712	Phage 434	3
92520	\N	3
2111	<i>Mycoplasma arthritis</i>	3
35730	<i>Trematomus newnesi</i>	3
1083	<i>Phaeosporillum molischianu</i>	3
71421	<i>Haemophilus influenzae</i> Rc	3
1593	<i>Lactobacillus</i> sp. 30A	3
40690	<i>Trematomus bernacchii</i>	3
9685	<i>Felis catus</i>	3
4498	<i>Avena sativa</i>	3
243232	<i>Methanocaldococcus janna</i>	3

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10326 Equid herpesvirus 1	3
68728 Chrysocyon brachyurus	3
518 Bordetella bronchiseptica	3
11034 Sindbis virus	3
13689 Sphingomonas paucimobili	3
1905 Streptomyces exfoliatus	3
5724 Tritrichomonas foetus	3
11216 Human parainfluenza virus	3
8167 Perca flavescens	3
4682 Allium sativum	3
34 Myxococcus xanthus	3
92694 Rhodococcus sp. NCIMB12	3
31767 Hepatitis E virus (strain Bu	3
35816 Pelobacter acidigallici	3
1097 Chlorobaculum tepidum	3
72579 Bacillus sp. YM-1	3
10632 JC polyomavirus	3
10843 Enterobacteria phage G4	3
8730 Crotalus atrox	3
10279 Molluscum contagiosum vir	3
7004 Locusta migratoria	3
1406 Paenibacillus polymyxa	3
12145 Tomato bushy stunt virus	3
10582 \N	3
5861 Plasmodium yoelii	3
2180 Methanothermus fervidus	3
35889 Nicotiana glutinosa	3
3711 Brassica rapa	3
9597 Pan paniscus	3
272558 Bacillus halodurans C-125	3
8732 Crotalus durissus terrificus	3
10530 Murine adenovirus 1	3
1765 Mycobacterium bovis	3
89020 Mustelus griseus	3
10923 Simian rotavirus A/SA11	3
2502 Plasmid RK2	3
11241 Rinderpest virus	3
8212 \N	3
11689 Human immunodeficiency v	3
10333 Equine herpesvirus type 4	3

original

93050 Ectocarpus multisquamatus	3
817 Bacteroides fragilis	3
1108 Chloroflexus aurantiacus	3
62977 Acinetobacter sp. ADP1	3
12253 Tomato mosaic virus	3
1667 Arthrobacter sp.	3
15957 Phleum pratense	3
362651 Human immunodeficiency virus 1	3
100673 Influenza C virus (C/Johani)	3
109171 Pachyrhizus erosus	2
11641 Human foamy virus	2
11879 Avian sarcoma virus PR22!	2
5270 Ustilago maydis	2
5759 Entamoeba histolytica	2
77133 uncultured bacterium	2
28502 Amaranthus hypochondriac	2
89476 \N	2
2743 Marinobacter hydrocarbon	2
194699 Bordetella phage BPP-1	2
81759 Hyacinthoides hispanica	2
29303 Streptomyces cattleya	2
2188 Methanococcus voltae	2
31958 Amycolatopsis orientalis	2
11088 Tick-borne encephalitis virus	2
1338 Streptococcus intermedius	2
5059 Aspergillus flavus	2
394 Rhizobium sp. NGR234	2
11138 Murine hepatitis virus	2
899 Desulfomicrobium baculatu	2
11885 Fujinami sarcoma virus	2
244589 Sulfolobus virus 1	2
5271 Ustilago sphaerogena	2
12371 Phage h30	2
10553 Fowl adenovirus 1	2
10685 Bacillus phage SPO1	2
11063 Dengue virus 2 Malaysia M	2
119602 Streptococcus dysgalactiae	2
9490 Saguinus oedipus	2
195058 Naja sagittifera	2
12154 Turnip yellow mosaic virus	2
6087 Hydra vulgaris	2

original

337 Burkholderia glumae	2
32002 Achromobacter denitrifican	2
11089 Yellow fever virus	2
130308 Human adenovirus E	2
171101 Streptococcus pneumoniae	2
1139 \N	2
200597 Sterkiella nova	2
5689 Leishmania tarentolae	2
10641 Cauliflower mosaic virus	2
5807 Cryptosporidium parvum	2
90371 Salmonella enterica subsp.	2
11065 Dengue virus 2 Thailand/Ni	2
7159 Aedes aegypti	2
3679 Ecballium elaterium	2
9521 Saimiri sciureus	2
12022 Enterobacterio phage MS2	2
265874 Ectromelia virus Moscow	2
70698 M28 virus	2
6526 Biomphalaria glabrata	2
7668 Strongylocentrotus purpura	2
11520 Influenza B virus	2
8705 Vipera ammodytes ammod	2
12080 Human poliovirus 1	2
6279 Brugia malayi	2
1929 Streptomyces rubiginosus	2
30077 Triatoma pallidipennis	2
11176 Newcastle disease virus	2
8844 Anser anser anser	2
1245 Leuconostoc mesenteroide	2
5306 Phanerochaete chrysospor	2
1520 Clostridium beijerinckii	2
10560 Bovine papillomavirus type	2
7165 Anopheles gambiae	2
4043 Petroselinum crispum	2
12023 Pseudomonas phage PP7	2
4906 Williopsis saturnus	2
6550 Mytilus edulis	2
7719 Ciona intestinalis	2
3488 Artocarpus	2
40353 Echis carinatus	2

original

48386 <i>Perilla frutescens</i>	2
240269 <i>Paramecium bursaria</i> Chlo	2
5072 \N	2
12285 Black beetle virus	2
273057 <i>Sulfolobus solfataricus</i> P2	2
1697 <i>Corynebacterium ammonia</i>	2
387139 Influenza A virus (A/Aichi/2	2
1931 <i>Streptomyces</i> sp.	2
1398 <i>Bacillus coagulans</i>	2
12131 Human rhinovirus 14	2
10310 Human herpesvirus 2	2
67825 <i>Citrobacter rodentium</i>	2
1829 <i>Rhodococcus rhodochrous</i>	2
28875 Rotavirus A	2
305 <i>Ralstonia solanacearum</i>	2
10995 Infectious bursal disease vi	2
122586 <i>Neisseria meningitidis</i> MCE	2
715 <i>Actinobacillus pleuropneum</i>	2
11707 Human immunodeficiency v	2
196620 <i>Staphylococcus aureus</i> suk	2
12042 Beet western yellows virus	2
5514 <i>Fusarium sporotrichioides</i>	2
10614 Human papillomavirus type	2
348776 <i>Mycobacterium tuberculosis</i>	2
350 <i>Zoogloea ramigera</i>	2
132961 <i>Bungarus caeruleus</i>	2
176674 Influenza A virus (A/Duck/H	2
12082 Human poliovirus 1 strain E	2
64574 <i>Radiomyces spectabilis</i>	2
1932 <i>Streptomyces tendae</i>	2
920 <i>Acidithiobacillus ferrooxidan</i>	2
223283 <i>Pseudomonas syringae</i> pv.	2
67831 <i>Rhipicephalus bursa</i>	2
301447 <i>Streptococcus pyogenes</i> sc	2
6436 <i>Themiste dyscritum</i>	2
91753 Cucurbit aphid-borne yellow	2
512 <i>Alcaligenes</i> sp.	2
11070 Dengue virus 4	2
123217 <i>Anopheles cracens</i>	2
227984 SARS coronavirus Tor2	2

original

192 <i>Azospirillum brasilense</i>	2
6182 <i>Schistosoma japonicum</i>	2
2271 <i>Thermoproteus tenax</i>	2
11104 Hepatitis C virus (isolate 1)	2
8717 <i>Calloselasma rhodostoma</i>	2
3840 <i>Vigna unguiculata</i> subsp. c	2
1147 <i>Synechocystis</i> sp. PCC 67	2
9675 <i>Paguma larvata</i>	2
5085 <i>Aspergillus fumigatus</i>	2
12288 Nodamura virus	2
1718 <i>Corynebacterium glutamicum</i>	2
11207 Simian virus 5	2
150147 \N	2
258594 <i>Rhodopseudomonas palus</i>	2
5341 <i>Agaricus bisporus</i>	2
79676 <i>Pseudomonas</i> sp. CF600	2
6437 <i>Themiste zostericola</i>	2
31708 Human rhinovirus 16	2
11072 Japanese encephalitis virus	2
4931 <i>Saccharomyces bayanus</i>	2
1427 <i>Bacillus thermoproteolyticus</i>	2
83331 <i>Mycobacterium tuberculosis</i>	2
11604 Puumala virus	2
180454 <i>Anopheles gambiae</i> str. PE	2
3843 <i>Erythrina corallodendron</i>	2
11868 Avian myelocytomatosis virus	2
1360 <i>Lactococcus lactis</i> subsp. l	2
12302 Brome mosaic virus	2
416870 <i>Lactococcus lactis</i> subsp. c	2
11208 Simian virus 5 (strain W3)	2
155077 <i>Cellvibrio japonicus</i>	2
927 <i>Halothiobacillus neapolitanus</i>	2
11983 Norwalk virus	2
224324 <i>Aquifex aeolicus</i> VF5	2
12136 Cricket paralysis virus	2
1553 <i>Clostridium tetanomorphum</i>	2
6442 <i>Phascolopsis gouldii</i>	2
8631 <i>Laticauda semifasciata</i>	2
3704 <i>Armoracia rusticana</i>	2
12066 Coxsackievirus	2

original

228407 SARS coronavirus BJ01	2
1428 Bacillus thuringiensis	2
10832 Tomato yellow leaf curl viru	2
103944 Protobothrops mucrosquan	2
2280 Staphylothermus marinus	2
36773 Burkholderia sp.	2
4511 Eleusine coracana	2
10258 Orf virus	2
5138 \N	2
65406 Pseudomonas sp. 7A	2
1498 Clostridium histolyticum	2
280 Xanthobacter autotrophicus	2
6359 Platynereis dumerilii	2
1956 Streptomyces diastaticus	2
9925 Capra hircus	2
54914 Brevibacillus parabrevis	2
69000 Bacillus sp. B-0618	2
1580 Lactobacillus brevis	2
307796 Saccharomyces cerevisiae	2
1848 Pseudonocardia thermophi	2
319 Pseudomonas syringae pv.	2
11077 Kunjin virus	2
198214 Shigella flexneri 2a str. 301	2
4087 Nicotiana glauca	2
47519 Calystegia sepium	2
272557 Aeropyrum pernix K1	2
1642 Listeria innocua	2
223 Achromobacter cycloclaste	2
6192 Fasciola hepatica	2
375 Bradyrhizobium japonicum	2
6703 Pandalus borealis	2
3505 Betula pendula	2
11876 Avian sarcoma virus	2
50339 Thermoplasma volcanium	2
12107 Mengo virus	2
28450 Burkholderia pseudomallei	2
670 Vibrio parahaemolyticus	2
8175 Sparus aurata	2
11686 Human immunodeficiency v	2
45441 Enterobacteria phage L	2

original

224326 <i>Borrelia burgdorferi</i> B31	2
4754 <i>Pneumocystis carinii</i>	2
55084 <i>Pandinus imperator</i>	2
262338 SARS coronavirus GD03TC	2
5386 <i>Xerocomus chrysenteron</i>	2
69014 <i>Thermococcus kodakarens</i>	2
69 <i>Lysobacter enzymogenes</i>	2
80863 <i>Populus tremula</i> x <i>Populus</i>	2
29170 <i>Ancylostoma caninum</i>	2
10724 <i>Bacillus phage</i> SPP1	2
529 <i>Ochrobactrum anthropi</i>	2
129910 <i>Arthrospira maxima</i>	2
1324 <i>Streptococcus</i> sp. G148	2
381 <i>Mesorhizobium loti</i>	2
3527 <i>Phytolacca americana</i>	2
883 <i>Desulfovibrio vulgaris</i> str. '†	2
42003 <i>Griffithsia monilis</i>	2
9793 <i>Equus asinus</i>	2
51336 Cabbage leaf curl virus	2
480 <i>Moraxella catarrhalis</i>	2
11053 Dengue virus 1	2
7130 <i>Manduca sexta</i>	2
158878 <i>Staphylococcus aureus</i> suk	2
3663 <i>Cucurbita pepo</i>	2
194439 <i>Chlorobium tepidum</i> TLS	2
1301 <i>Streptococcus</i>	2
1408 <i>Bacillus pumilus</i>	2
12147 Tomato bushy stunt virus (†	2
12643 <i>Ectromelia virus</i>	2
322710 <i>Azotobacter vinelandii</i> DJ	2
31902 <i>Dasyatis akajei</i>	2
11741 <i>Visna/Maedi virus</i>	2
198628 <i>Erwinia chrysanthemi</i> str. 3	2
47914 <i>Brevibacterium fuscum</i>	2
10634 Murine polyomavirus	2
6238 <i>Caenorhabditis briggsae</i>	2
7038 <i>Bemisia tabaci</i>	1
34007 <i>Paracoccus versutus</i>	1
11128 Bovine coronavirus	1
144185 <i>Leifsonia aquatica</i>	1

original

37133 Tula virus	1
887 \N	1
3873 Lupinus luteus	1
1172 Anabaena variabilis	1
214092 Yersinia pestis CO92	1
4550 Secale cereale	1
51350 Brassica rapa subsp. rapa	1
12118 Foot-and-mouth disease vi	1
243365 Chromobacterium violaceu	1
66188 Micropechis ikaheka	1
1511 Clostridium sticklandii	1
10533 Human adenovirus 1	1
511145 Escherichia coli str. K-12 si	1
6410 Haementeria officinalis	1
2021 Thermobifida fusca	1
10924 \N	1
7141 Choristoneura fumiferana	1
35345 Lactococcus phage TP901	1
674 Vibrio mimicus	1
38437 \N	1
9347 Eutheria	1
3981 Hevea brasiliensis	1
1302 Streptococcus gordonii	1
12017 Enterobacteria phage fr	1
55810 Bulinus truncatus	1
12149 Belladonna mottle virus	1
70174 \N	1
1584 Lactobacillus delbrueckii	1
329 Ralstonia pickettii	1
93061 Staphylococcus aureus suk	1
33067 Pseudomonas sp. 101	1
584 Proteus mirabilis	1
7389 Hypoderma lineatum	1
130081 Galdieria sulphuraria	1
3349 Pinus sylvestris	1
35936 Lablab purpureus	1
8665 Ophiophagus hannah	1
3750 Malus x domestica	1
11742 Visna lentivirus (strain 151	1
198803 Bacillus sp. MN-32	1

original

47935 Mouse polyomavirus (strair	1
230624 Trametes ochracea	1
63330 Hendra virus	1
1467 Bacillus lentus	1
272626 Listeria innocua Clip11262	1
1669 Arthrobacter sp. NRRL B37	1
18101 Gerbera hybrid cultivar	1
367830 Staphylococcus aureus suk	1
1921 Streptomyces olivaceovirid	1
29910 Tolypocladium inflatum	1
10863 Enterobacteria phage f1	1
6728 Procambarus clarkii	1
101510 Rhodococcus jostii RHA1	1
34028 Comamonas sp.	1
7957 Carassius auratus	1
3559 Chenopodium album	1
186538 Zaire ebolavirus	1
43306 Pseudomonas denitrificans	1
1188 Tolypothrix sp. PCC 7601	1
9798 Equus przewalskii	1
216371 Penicillium stoloniferum viri	1
10301 Herpes simplex virus (type	1
66431 Streptomyces thioluteus	1
1512 Clostridium symbiosum	1
293055 Influenza A virus (A/mallarc	1
77763 Banna virus	1
28503 Sambucus ebulus	1
542959 BPP-1-like phages	1
90370 Salmonella enterica subsp.	1
31552 Human papillomavirus type	1
10927 Bovine rotavirus	1
544 Citrobacter	1
2771 Cyanidium caldarium	1
35621 Streptomyces mobaraensis	1
677 \N	1
160268 Clonostachys	1
38577 Bufo arenarum	1
3983 Manihot esculenta	1
45916 Nostoc ellipsosporum	1
12018 Enterobacteria phage GA	1

original

1411 Bacillus akibai	1
265872 Cowpox virus (Brighton Re	1
5499 Passalora fulva	1
1585 Lactobacillus delbrueckii sl	1
12814 Respiratory syncytial virus	1
10593 Human papillomavirus type	1
81841 Pseudomonas sp. 130	1
1890 Streptomyces antibioticus	1
29309 Streptomyces verticillus	1
93934 Coturnix japonica	1
2260 Pyrococcus	1
33178 Aspergillus terreus	1
7460 Apis mellifera	1
3352 Pinus taeda	1
837 Porphyromonas gingivalis	1
3816 Abrus precatorius	1
40245 Cucumaria echinata	1
11788 Abelson murine leukemia v	1
47969 Oreochromis aureus	1
12260 Bean pod mottle virus	1
73475 Chicken anemia virus Cuxr	1
1679 Bifidobacterium longum sul	1
28039 Lactobacillus leichmannii	1
381517 Influenza A virus (A/Udorn/	1
85232 Morus nigra	1
1924 Streptomyces purpurascen	1
30076 Triatoma infestans	1
6772 Celuca pugilator	1
102203 Favia fava	1
7070 Tribolium castaneum	1
34078 Scytonema hofmanni	1
7962 Cyprinus carpio	1
11666 Equine infectious anemia v	1
43759 Streptomyces wedmorensi:	1
52853 Silene latifolia subsp. alba	1
10304 Herpes simplex virus (type	1
5286 Rhodosporidium toruloides	1
66691 \N	1
12391 \N	1
298334 Simian adenovirus A	1

original

78245 Xanthobacter autotrophicus	1
28572 Penicillium funiculosum	1
10690 Haemophilus phage HP1	1
2045 Pimelobacter simplex	1
491 Neisseria meningitidis sero	1
10969 Rhesus rotavirus	1
119856 Francisella tularensis subsp	1
35631 Conus imperialis	1
686 Vibrio cholerae O1 biovar E	1
160488 Pseudomonas putida KT24	1
38868 Salvia officinalis	1
11700 \N	1
196118 Methanocaldococcus	1
45920 Araneus diadematus	1
56812 Shewanella frigidimarina	1
5501 Coccidioides immitis	1
12879 \N	1
10598 Human papillomavirus type	1
82300 Adeno-associated virus - 5	1
29323 Thermoanaerobacter brock	1
95649 Bothrops neuwiedi pauloen	1
32044 Pseudomonas mevalonii	1
33703 Suid herpesvirus 1 strain K	1
587 Providencia rettgeri	1
11090 Yellow fever virus 17D	1
130309 Human adenovirus F	1
175771 Heteractis crista	1
40324 Stenotrophomonas maltophilia	1
11791 AKR (endogenous) murine	1
4120 Ipomoea batatas	1
47982 Plexaura homomalla	1
237895 Cryptosporidium hominis	1
63559 Penicillium amagasakiense	1
1479 Bacillus smithii	1
12264 Cowpea mosaic virus	1
10450 Orgyia pseudotsugata sing	1
1680 Bifidobacterium adolescent	1
28068 Rubrivivax gelatinosus	1
85698 Achromobacter xylosoxidans	1
10870 Enterobacteria phage M13	1

original

113192	<i>Bothrops pirajai</i>	1
34381	<i>Aspergillus japonicus</i>	1
648	<i>Aeromonas punctata</i>	1
7998	<i>Ictalurus punctatus</i>	1
3567	<i>Amaranthus caudatus</i>	1
37487	<i>Marichromatium purpuratur</i>	1
907	<i>Megasphaera elsdenii</i>	1
11670	Equine infectious anemia v	1
11888	Rous sarcoma virus - Pragi	1
52861	<i>Tabernaemontana divarica</i>	1
1397	<i>Bacillus circulans</i>	1
10308	Herpes simplex virus (type	1
67723	<i>Amanita phalloides</i>	1
300269	<i>Shigella sonnei</i> Ss046	1
78447	<i>Corallina pilulifera</i>	1
1823	<i>Nocardia otitidiscaviarum</i>	1
28737	<i>Elephantulus edwardii</i>	1
10703	<i>Corynephage beta</i>	1
90973	<i>Bacillus</i> sp. TA2.A1	1
2094	<i>Mycoplasma arginini</i>	1
31645	Hepatitis C virus (isolate Tz	1
549	<i>Pantoea agglomerans</i>	1
11066	Dengue virus 2 Puerto Ricc	1
35670	<i>Naja naja</i>	1
713	<i>Actinobacillus</i>	1
8400	<i>Rana catesbeiana</i>	1
160490	<i>Streptococcus pyogenes</i> M	1
3690	<i>Populus x canadensis</i>	1
38945	<i>Flammulina velutipes</i>	1
9523	<i>Callicebus moloch</i>	1
196590	\N	1
58217	<i>Loxosceles laeta</i>	1
266835	<i>Mesorhizobium loti</i> MAFF3	1
5507	<i>Fusarium oxysporum</i>	1
70821	<i>Desmodium</i> yellow mottle \	1
1589	<i>Lactobacillus pentosus</i>	1
29342	<i>Clostridium botulinum</i> D ph	1
346	<i>Xanthomonas citri</i>	1
10761	Enterobacteria phage Sf6	1
96471	<i>Bacillus</i> sp. YM55-1	1

original

592 \N	1
11099 Bovine viral diarrhea virus	1
36377 \N	1
11525 Influenza B virus (STRAIN	1
8708 \N	1
9634 Helarctos malayanus	1
204723 Peniophora sp. SG	1
64091 Halobacterium sp. NRC-1	1
10497 African swine fever virus	1
74567 Flavobacterium sp. ATCC 4	1
28081 Bordetella sp.	1
273 \N	1
6282 Onchocerca volvulus	1
30308 Ichthyomyzon unicuspis	1
6853 Tachypleus tridentatus	1
113636 Populus tremula	1
34413 Humicola insolens	1
658 Photobacterium leiognathi :	1
3570 Dianthus caryophyllus	1
37501 Maackia amurensis	1
190485 Xanthomonas campestris p	1
3891 Psophocarpus tetragonolot	1
44270 Leishmania mexicana mexi	1
221204 Hieracium pilosella	1
4615 Ananas comosus	1
52969 Ascophyllum nodosum	1
257311 Bordetella parapertussis 12	1
5319 Irpex lacteus	1
1521 Clostridium cellulolyticum	1
12538 Mokola virus	1
6431 Urechis caupo	1
91201 Gastrodia elata	1
11069 Dengue virus 3	1
7168 Anopheles dirus	1
2788 Porphyra yezoensis	1
35688 Porphyridium purpureum	1
11277 Vesicular stomatitis Indiane	1
8403 Rana perezi	1
161736 Pseudomonas phage phi12	1
3691 Populus nigra	1

original

39152 Methanococcus maripaludi	1
4072 Capsicum annuum	1
46018 Human echovirus 7	1
4920 Pichia farinosa	1
58226 Comamonas sp. JS765	1
10368 Human herpesvirus 6	1
269084 Synechococcus elongatus	1
70863 Shewanella oneidensis	1
13249 Rhodnius prolixus	1
188 Magnetospirillum magnetot	1
6118 Entacmaea quadricolor	1
82835 \N	1
1897 Streptomyces carzinostatic	1
29388 Staphylococcus capitis	1
6561 Scapharca inaequalis	1
97228 Daboia russellii pulchella	1
32049 Synechococcus sp. PCC 71	1
33806 \N	1
7723 Polyandrocarpa misakiensi	1
11531 Influenza B virus (STRAIN	1
8714 Gloydus halys	1
3837 Dioclea grandiflora	1
40410 Cryptococcus neoformans	1
9667 \N	1
4232 Helianthus annuus	1
242619 Porphyromonas gingivalis \	1
12287 Flock house virus	1
273063 Sulfolobus tokodaii str. 7	1
5699 Trypanosoma vivax	1
74577 Streptomyces sp. UC5319	1
28278 Human adenovirus 19	1
10668 \N	1
390157 Seneca valley virus	1
6334 Trichinella spiralis	1
435 Acetobacter aceti	1
6884 Leiurus quinquestriatus hel	1
7108 Spodoptera frugiperda	1
115547 uncultured archaeon	1
34631 Rhipicephalus appendicula	1
659 Photobacterium phosphore	1

original

11195 Sendai virus (strain Fushim	1
148603 Mycobacterium phage Bxb	1
3619 Rumex obtusifolius	1
8932 Columba livia	1
3902 Ulex europaeus	1
1270 Micrococcus luteus	1
9844 Lama glama	1
4641 Musa acuminata	1
53412 Pseudomonas resinovorant	1
1399 Bacillus firmus	1
5322 Pleurotus ostreatus	1
12541 Nudaurelia capensis omega	1
10571 Bovine papillomavirus	1
5827 Plasmodium cynomolgi	1
79261 Streptomyces castaneoglo	1
28896 Thermoanaerobacterium sa	1
10711 Enterobacteria phage P21	1
2108 Mycoplasma sp.	1
11008 Saccharomyces cerevisiae	1
3053 \N	1
35703 Citrobacter amalonaticus	1
726 Haemophilus haemolyticus	1
11280 Vesicular stomatitis New Je	1
3693 Populus tremuloides	1
39300 Ectatomma tuberculatum	1
11708 Human immunodeficiency v	1
196627 Corynebacterium glutamicu	1
12054 unidentified tobacco necros	1
1426 Geobacillus thermoglucosic	1
12222 Soybean mosaic virus	1
10369 Human herpesvirus 6 (strai	1
269145 Sulfolobus turreted icosah	1
5541 Thermomyces lanuginosus	1
71366 Staphylococcus phage PVI	1
13616 Monodelphis domestica	1
348780 Natronomonas pharaonis L	1
83131 Cratylia argentea	1
29390 Streptococcus gordonii str.	1
97234 Dryopteris crassirhizoma	1
33900 Streptomyces murinus	1

original

7748 <i>Lampetra fluviatilis</i>	1
178306 <i>Pyrobaculum aerophilum</i> si	1
11863 Avian erythroblastosis virus	1
210007 <i>Streptococcus mutans</i> UA1	1
4265 <i>Cynara cardunculus</i>	1
49577 <i>Costus speciosus</i>	1
1359 <i>Lactococcus lactis</i> subsp. c	1
64608 <i>Agrocybe cylindracea</i>	1
273075 <i>Thermoplasma acidophilum</i>	1
76114 <i>Aromatoleum aromaticum</i> I	1
10677 Enterobacteria phage Mu	1
392809 Influenza A virus (A/Victoria)	1
6339 <i>Heligmosomoides polygyrus</i>	1
86600 <i>Discosoma</i> sp.	1
1938 <i>Streptomyces viridochromus</i>	1
30608 <i>Microcebus murinus</i>	1
438 <i>Acetobacter pasteurianus</i>	1
103904 Coxsackievirus B3 (strain V)	1
2337 <i>Thermotoga neapolitana</i>	1
34649 <i>Mesobuthus martensii</i>	1
3625 <i>Actinidia chinensis</i>	1
37632 <i>Amycolatopsis</i> sp.	1
921 <i>Starkeya novella</i>	1
9030 <i>Gallus</i>	1
190650 <i>Caulobacter crescentus</i> CE	1
44822 <i>Microcystis viridis</i>	1
11914 \N	1
4670 <i>Galanthus nivalis</i>	1
1400 <i>Bacillus intermedius</i>	1
10324 Bovine herpesvirus type 1.	1
68170 <i>Lechevalieria aerocolonigena</i>	1
1550 <i>Clostridium subterminale</i>	1
12558 <i>Sesbania mosaic virus</i>	1
301887 <i>Echinophyllia</i> sp. SC22	1
515 \N	1
7225 <i>Scaptodrosophila lebanone</i>	1
126794 <i>Vaccinia virus</i> Ankara	1
163106 \N	1
39443 Carnation Italian ringspot v	1
196914 <i>Actinoplanes friuliensis</i>	1

original

46758	<i>Lobophyllia hemprichii</i>	1
10092	<i>Mus musculus domesticus</i>	1
228330	SARS coronavirus Urbani	1
59511	<i>Pseudomonas syringae</i> pv.	1
10370	Human herpesvirus 6 (strai	1
269446	Rous sarcoma virus (strain	1
5547	<i>Trichoderma viride</i>	1
13686	<i>Solenopsis invicta</i>	1
29438	<i>Pseudomonas savastanoi</i>	1
10829	Squash leaf curl virus	1
6644	\N	1
32059	<i>Phormidium laminosum</i>	1
2277	<i>Pyrobaculum islandicum</i>	1
33903	<i>Streptomyces avermitilis</i>	1
134821	<i>Ureaplasma parvum</i>	1
3496	<i>Maclura pomifera</i>	1
36659	<i>Volvariella volvacea</i>	1
8722	<i>Bothrops asper</i>	1
49817	<i>Erythrina crista-galli</i>	1
10255	Variola virus	1
1496	<i>Clostridium difficile</i>	1
10519	Human adenovirus 7	1
280048	<i>Copaifera langsdorffii</i>	1
76275	<i>Rhodococcus</i> sp. R312	1
276	<i>Thermus filiformis</i>	1
6352	\N	1
1950	<i>Streptomyces peucetius</i>	1
31159	<i>Daboia russellii russellii</i>	1
442	<i>Gluconobacter oxydans</i>	1
10886	Mammalian orthoreovirus 3	1
103929	Rabies virus strain Pasteur	1
7116	<i>Pieris brassicae</i>	1
117138	Brome streak virus (strain 1	1
2378	<i>Sporomusa ovata</i>	1
34839	<i>Chinchilla lanigera</i>	1
668	<i>Vibrio fischeri</i>	1
37682	<i>Aegilops tauschii</i>	1
192168	<i>Arthrobacter</i> sp. C2-2	1
3911	<i>Vicia villosa</i>	1
45151	<i>Pyrenophora tritici-repentis</i>	1

original

4679	Allium cepa	1
54571	Streptomyces venezuelae	1
260674	Citrullus lanatus subsp. vul	1
5346	Coprinopsis cinerea	1
306263	Campylobacter lari RM210	1
5850	Plasmodium knowlesi	1
79679	Thermococcus sp. KS-1	1
10714	Corynephage omega	1
92652	Shrimp white spot syndrom	1
2130	Ureaplasma urealyticum	1
31744	Rice yellow mottle virus	1
11073	Japanese encephalitis viru:	1
129555	Amphitrite ornata	1
3088	Scenedesmus obliquus	1
35806	Rhodovulum sulfidophilum	1
163653	\N	1
39946	Oryza sativa Indica Group	1
9548	Macaca radiata	1
10095	Mus sp.	1
59837	Leiostomus xanthurus	1
12230	Turnip mosaic virus	1
271108	Bombyx mori NPV	1
5554	Trichosporon cutaneum	1
72539	Physalis mottle virus	1
6185	Schistosoma haematobium	1
29459	Brucella melitensis	1
361	Agrobacterium sp.	1
6689	Litopenaeus vannamei	1
99565	Chiba virus	1
32060	Phormidium lapideum	1
33931	Bacillus caldovelox	1
7786	Torpedo	1
137208	\N	1
3501	Urtica dioica	1
182271	Pterocarpus angolensis	1
40979	Cocksfoot mottle virus	1
11873	Avian musculoaponeurotic	1
9739	Tursiops truncatus	1
49899	Thermococcus profundus	1
1388	Alicyclobacillus acidocalda	1

original

12092 Hepatitis A virus	1
12303 Cowpea chlorotic mottle vir	1
282458 Staphylococcus aureus suk	1
76306 Mimosa pudica	1
28344 Porcine reproductive and re	1
10679 Enterobacteria phage P2	1
471 Acinetobacter calcoaceticu	1
6956 Dermatophagoides pterony	1
7119 Antheraea pernyi	1
117911 Shewanella sp. SIB1	1
2465 Plasmid F	1
34864 \N	1
3654 Citrullus lanatus	1
37734 Enterococcus casseliflavus	1
940 Hydrogenobacter thermopl	1
9092 \N	1
192222 Campylobacter jejuni subsp	1
3914 Vigna angularis	1
45332 Prevotella phage phi AR29	1
1288 Staphylococcus xylosus	1
11986 Carnation mottle virus	1
12139 Southern bean mosaic viru	1
10329 Equine herpesvirus type 1	1
261594 Bacillus anthracis str. 'Ame	1
5353 Lentinula edodes	1
12618 Chicken anemia virus	1
79930 Methanothermobacter theri	1
29015 \N	1
10715 Staphylococcus phage 42E	1
6454 Haliotis rufescens	1
11036 Venezuelan equine encept	1
32536 Acinonyx jubatus	1
563 Escherichia blattae	1
7237 Drosophila pseudoobscura	1
3120 Ulva pertusa	1
781 Rickettsia conorii	1
11467 \N	1
8644 Naja mossambica	1
167644 Ilyobacter tartaricus	1
9556 Papio cynocephalus	1
10114 Rattus	1

original

228410 Nitrosomonas europaea AT	1
4934 Lachancea kluyveri	1
61172 Laguna Negra virus	1
1434 Bacillus thuringiensis serov	1
12242 Tobacco mosaic virus	1
29461 Brucella suis	1
99571 Dioclea guianensis	1
105402 Zoanthus sp.	1
33950 Thermoanaerobacterium th	1
140437 Streptomyces sp. R1128	1
37114 Human papillomavirus type	1
184922 Giardia lamblia ATCC 508C	1
9749 Delphinapterus leucas	1
212017 Lethocerus indicus	1
65553 Sulfurospirillum deleyianum	1
12305 Cucumber mosaic virus	1
10529 Human adenovirus 31	1
5741 Giardia intestinalis	1
76854 Shewanella massilia	1
1763 Mycobacterium	1
10680 Enterobacteria phage P4	1
435895 Human herpesvirus 8 type	1
6396 Eisenia fetida	1
88764 Conus episcopatus	1
1963 Streptomyces olivochromos	1
31234 Caenorhabditis remanei	1
476 Moraxella bovis	1
10896 \N	1
11047 Equine arteritis virus	1
7123 Hyalophora cecropia	1
118562 Arthrospira platensis	1
2489 Plasmid R483	1
35170 Corallina officinalis	1
157732 Rhodococcus sp. NCIMB 9	1
37762 Escherichia coli B	1
964 Herbaspirillum seropedicae	1
192952 Methanosarcina mazei Go1	1
11988 Turnip crinkle virus	1
9939 Ovis sp.	1
10331 Equid herpesvirus 4	1

original

315277 Chlamydia trachomatis A/F	1
322 Pseudomonas syringae pv.	1
6456 Haliotis fulgens	1
92829 Xanthomonas axonopodis	1
31768 Hepatitis E virus (strain Me	1
7242 Drosophila sp.	1
3316 Thuja plicata	1
813 Chlamydia trachomatis	1
8649 Naja kaouthia	1
167804 Dipsochelys dussumieri	1
40001 Cellulomonas sp.	1
11733 Simian immunodeficiency v	1
198215 Shigella flexneri 2a str. 245	1
229992 SARS coronavirus Frankfu	1
4952 Yarrowia lipolytica	1
61861 Canavalia brasiliensis	1
1445 Bacillus alcalophilus	1
73044 Streptomyces seoulensis	1
13818 Adiantum capillus-veneris	1
228 Pseudoalteromonas halopl	1
6206 Taenia saginata	1
1914 Streptomyces lavendulae	1
29549 Rhodothermus marinus	1
6706 Homarus americanus	1
100226 Streptomyces coelicolor A3	1
2243 Halobacterium sp.	1
7010 Schistocerca gregaria	1
108619 Salmonella enterica subsp.	1
33953 Clostridium aminobutyricun	1
11122 Avian infectious bronchitis '	1
142803 Rice dwarf virus (isolate Ak	1
37122 Human papillomavirus type	1
11636 Reticuloendotheliosis virus	1
185447 Parkia platycephala	1
11878 Avian sarcoma virus CT10	1
213804 Janthinobacterium sp. J3	1
243277 Vibrio cholerae O1 biovar E	1
5207 Filobasidiella neoformans	1
65699 Neisseria meningitidis sero	1
12315 Tomato aspermy virus	1

original

5755	<i>Acanthamoeba castellanii</i>	1
76935	<i>Bacillus agaradhaerens</i>	1
10683	<i>Bacillus</i> phage PBS1	1
437607	Influenza A virus (A/hvPR8	1
2017	<i>Streptoalloteichus hindusta</i>	1
31285	<i>Trypanosoma brucei gamb</i>	1
118974	<i>Stromatopelma griseipes</i>	1
35304	Bunyamwera virus	1
672	<i>Vibrio vulnificus</i>	1
37919	<i>Rhodococcus opacus</i>	1
9267	<i>Didelphis virginiana</i>	1
45596	<i>Candida tenuis</i>	1
12009	\N	1
224914	<i>Brucella melitensis</i> 16M	1
4839	<i>Rhizomucor miehei</i>	1
262724	<i>Thermus thermophilus</i> HB2	1
1583	<i>Weissella confusa</i>	1
84	<i>Hyphomicrobium methylov</i>	1
80866	<i>Delftia acidovorans</i>	1
1883	<i>Streptomyces</i>	1
10726	Enterobacteria phage T5	1
6494	<i>Conus textile</i>	1
2186	<i>Methanothermococcus thei</i>	1
536	<i>Chromobacterium violaceu</i>	1
2246	<i>Haloferax volcanii</i>	1
7370	<i>Musca domestica</i>	1
129951	Human adenovirus C	1
35933	<i>Podophyllum peltatum</i>	1
11480	\N	1
168807	<i>Escherichia coli</i> O127:H6	1
40051	Bluetongue virus	1
1334	<i>Streptococcus dysgalactiae</i>	1
230105	<i>Methylophaga aminisulfidiv</i>	1
5053	<i>Aspergillus aculeatus</i>	1
1449	<i>Amphibacillus xylanus</i>	1
10383	Herpesvirus saimiri (strain	1
73147	Oat sterile dwarf virus	1
29760	<i>Vitis vinifera</i>	1