

iRefIndex_Interactions_by_taxonomy_beta8

NCBI taxonomy identifier	Scientific_name	Number_of_interactions
4932	<i>Saccharomyces cerevisiae</i>	186503
9606	<i>Homo sapiens</i>	138480
7227	<i>Drosophila melanogaster</i>	46921
83333	<i>Escherichia coli K-12</i>	17008
10090	<i>Mus musculus</i>	14615
6239	<i>Caenorhabditis elegans</i>	13831
4896	<i>Schizosaccharomyces pombe</i>	13471
197	<i>Campylobacter jejuni</i>	12025
3702	<i>Arabidopsis thaliana</i>	7996
10116	<i>Rattus norvegicus</i>	5057
155864	<i>Escherichia coli O157:H7 str. EDL933</i>	4924
632	<i>Yersinia pestis</i>	3822
160	<i>Treponema pallidum</i>	3647
1148	<i>Synechocystis sp. PCC 6803</i>	3229
1392	<i>Bacillus anthracis</i>	3087
36329	<i>Plasmodium falciparum 3D7</i>	2836
83334	<i>Escherichia coli O157:H7</i>	2589
85962	<i>Helicobacter pylori 26695</i>	1600
210	<i>Helicobacter pylori</i>	1578
119856	<i>Francisella tularensis subsp. tularensis</i>	1378
562	<i>Escherichia coli</i>	1369
11676	<i>Human immunodeficiency virus 1</i>	1346
511145	<i>Escherichia coli str. K-12 substr. MG1655</i>	1320
9913	<i>Bos taurus</i>	1279
0	NA	1133
386585	<i>Escherichia coli O157:H7 str. Sakai</i>	1069
2104	<i>Mycoplasma pneumoniae</i>	817
39947	<i>Oryza sativa Japonica Group</i>	545
32630	synthetic construct	501
-2	NA	463
8355	<i>Xenopus laevis</i>	457
10376	<i>Human herpesvirus 4</i>	433
284812	<i>Schizosaccharomyces pombe 972h-</i>	430
10335	<i>Human herpesvirus 3</i>	410
246197	<i>Myxococcus xanthus DK 1622</i>	381
9031	<i>Gallus gallus</i>	367
559292	<i>Saccharomyces cerevisiae S288c</i>	318
217992	<i>Escherichia coli O6</i>	298
4530	<i>Oryza sativa</i>	291
272951	<i>Rickettsia sibirica 246</i>	284
333284	<i>Hepatitis C virus (isolate Con1)</i>	282
211044	<i>Influenza A virus (A/Puerto Rico/8/1934(H1N1))</i>	281
7955	<i>Danio rerio</i>	274
341980	<i>Human herpesvirus 3 strain Oka vaccine</i>	268
1423	<i>Bacillus subtilis</i>	257
274	<i>Thermus thermophilus</i>	243
9986	<i>Oryctolagus cuniculus</i>	232
187410	<i>Yersinia pestis KIM 10</i>	226
9823	<i>Sus scrofa</i>	223
623	<i>Shigella flexneri</i>	203
18101	<i>Gerbera hybrid cultivar</i>	185
1313	<i>Streptococcus pneumoniae</i>	172
10377	<i>Human herpesvirus 4 (strain B95-8)</i>	171
1773	<i>Mycobacterium tuberculosis</i>	142
602	NA	134
333760	<i>Human papillomavirus type 16</i>	134
11103	<i>Hepatitis C virus</i>	128
53953	<i>Pyrococcus horikoshii</i>	124
37296	<i>Human herpesvirus 8</i>	120
2336	<i>Thermotoga maritima</i>	118

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10254	<i>Vaccinia virus WR</i>	115
287	<i>Pseudomonas aeruginosa</i>	111
44689	<i>Dictyostelium discoideum</i>	110
10299	<i>Herpes simplex virus (type 1 / strain 17)</i>	104
199310	<i>Escherichia coli CFT073</i>	101
435895	<i>Human herpesvirus 8 type M</i>	96
9615	<i>Canis lupus familiaris</i>	95
4102	<i>Petunia x hybrida</i>	93
85963	<i>Helicobacter pylori J99</i>	92
3888	<i>Pisum sativum</i>	91
146786	<i>Thermosynechococcus elongatus</i>	87
10633	<i>Simian virus 40</i>	87
28285	<i>Human adenovirus 5</i>	86
5691	<i>Trypanosoma brucei</i>	84
1422	<i>Geobacillus stearothermophilus</i>	83
1280	<i>Staphylococcus aureus</i>	82
381517	<i>Influenza A virus (A/Udm/307/1972(H3N2))</i>	82
1063	<i>Rhodobacter sphaeroides</i>	79
3562	<i>Spinacia oleracea</i>	76
3055	<i>Chlamydomonas reinhardtii</i>	74
243274	<i>Thermotoga maritima MSB8</i>	74
4565	<i>Triticum aestivum</i>	70
4577	<i>Zea mays</i>	68
303	<i>Pseudomonas putida</i>	64
727	<i>Haemophilus influenzae</i>	64
2261	<i>Pyrococcus furiosus</i>	62
40674	<i>Mammalia</i>	60
197221	<i>Thermosynechococcus elongatus BP-1</i>	59
4081	<i>Solanum lycopersicum</i>	53
333761	<i>Human papillomavirus type 18</i>	53
2287	<i>Sulfolobus solfataricus</i>	52
190486	<i>Xanthomonas axonopodis pv. citri str. 306</i>	51
2238	<i>Haloarcula marismortui</i>	49
4113	<i>Solanum tuberosum</i>	48
266	<i>Paracoccus denitrificans</i>	48
10298	<i>Human herpesvirus 1</i>	47
300852	<i>Thermus thermophilus HB8</i>	47
358	<i>Agrobacterium tumefaciens</i>	46
2234	<i>Archaeoglobus fulgidus</i>	45
271	<i>Thermus aquaticus</i>	44
4097	<i>Nicotiana tabacum</i>	43
145262	<i>Methanothermobacter thermautotrophicus</i>	42
63363	<i>Aquifex aeolicus</i>	41
4513	<i>Hordeum vulgare</i>	41
10760	<i>Enterobacteria phage T7</i>	40
5833	<i>Plasmodium falciparum</i>	39
10580	<i>Human papillomavirus type 11</i>	39
32046	<i>Synechococcus elongatus</i>	39
10559	<i>Bovine papillomavirus type 1</i>	38
10249	<i>Vaccinia virus Copenhagen</i>	37
1895	<i>Streptomyces avidinii</i>	37
187420	<i>Methanothermobacter thermautotrophicus str. Delta H</i>	37
1390	<i>Bacillus amyloliquefaciens</i>	37
10665	<i>Enterobacteria phage T4</i>	35
176299	<i>Agrobacterium tumefaciens str. C58</i>	35
10407	<i>Hepatitis B virus</i>	34
155892	<i>Caulobacter vibrioides</i>	34
39946	<i>Oryza sativa Indica Group</i>	33
2190	<i>Methanocaldococcus jannaschii</i>	33
10245	<i>Vaccinia virus</i>	32
10515	<i>Human adenovirus 2</i>	32

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666 <i>Vibrio cholerae</i>	31
10258 <i>Orf virus</i>	31
316407 <i>Escherichia coli str. K-12 substr. W3110</i>	31
83332 <i>Mycobacterium tuberculosis H37Rv</i>	29
11908 <i>Human T-lymphotropic virus 1</i>	29
31647 <i>Hepatitis C virus subtype 1b</i>	29
9103 <i>Meleagris gallopavo</i>	29
5476 <i>Candida albicans</i>	29
208964 <i>Pseudomonas aeruginosa PAO1</i>	29
9796 <i>Equus caballus</i>	29
573 <i>Klebsiella pneumoniae</i>	28
1140 <i>Synechococcus elongatus PCC 7942</i>	28
28282 <i>Human adenovirus 12</i>	27
354 <i>Azotobacter vinelandii</i>	27
574521 <i>Escherichia coli O127:H6 str. E2348/69</i>	27
1314 <i>Streptococcus pyogenes</i>	26
3847 <i>Glycine max</i>	26
5141 <i>Neurospora crassa</i>	26
9598 <i>Pan troglodytes</i>	26
10029 <i>Cricetulus griseus</i>	26
1299 <i>Deinococcus radiodurans</i>	25
70601 <i>Pyrococcus horikoshii OT3</i>	25
520 <i>Bordetella pertussis</i>	25
11309 <i>unidentified influenza virus</i>	25
354242 <i>Campylobacter jejuni subsp. jejuni 81-176</i>	25
1911 <i>Streptomyces griseus</i>	25
11886 <i>Rous sarcoma virus</i>	25
360111 <i>Campylobacter jejuni subsp. jejuni CF93-6</i>	24
83541 <i>Mastigocladus laminosus</i>	24
6421 <i>Hirudo medicinalis</i>	24
82830 <i>Epstein-barr virus strain ag876</i>	24
8616 <i>Bungarus multicinctus</i>	23
10117 <i>Rattus rattus</i>	23
12131 <i>Human rhinovirus 14</i>	22
227859 <i>SARS coronavirus</i>	22
435896 NA	22
615 <i>Serratia marcescens</i>	22
243232 <i>Methanocaldococcus jannaschii DSM 2661</i>	22
306 <i>Pseudomonas sp.</i>	21
262724 <i>Thermus thermophilus HB27</i>	21
11060 <i>Dengue virus 2</i>	21
630 <i>Yersinia enterocolitica</i>	21
31199 <i>Argopecten irradians</i>	21
1061 <i>Rhodobacter capsulatus</i>	21
10710 <i>Enterobacteria phage lambda</i>	21
9534 <i>Chlorocebus aethiops</i>	20
1351 <i>Enterococcus faecalis</i>	20
224308 <i>Bacillus subtilis subsp. subtilis str. 168</i>	19
4922 <i>Pichia pastoris</i>	19
5116 <i>Cryphonectria parasitica</i>	19
1491 <i>Clostridium botulinum</i>	19
10141 <i>Cavia porcellus</i>	19
-1 NA	19
10036 <i>Mesocricetus auratus</i>	18
9838 <i>Camelus dromedarius</i>	18
5693 <i>Trypanosoma cruzi</i>	17
11084 <i>Tick-borne encephalitis virus</i>	17
186497 <i>Pyrococcus furiosus DSM 3638</i>	17
12110 <i>Foot-and-mouth disease virus</i>	17
1902 <i>Streptomyces coelicolor</i>	17
9940 <i>Ovis aries</i>	17

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3489 <i>Artocarpus heterophyllus</i>	16
556 <i>Erwinia chrysanthemi</i>	16
6500 <i>Aplysia californica</i>	16
10600 <i>Human papillomavirus type 6b</i>	16
12130 <i>Human rhinovirus 2</i>	15
1079 <i>Blastochloris viridis</i>	15
4151 <i>Antirrhinum majus</i>	15
99287 <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Typhimur</i>	15
11679 <i>Human immunodeficiency virus type 1 (CLONE 12)</i>	15
1396 <i>Bacillus cereus</i>	15
10095 <i>Mus sp.</i>	15
1515 <i>Clostridium thermocellum</i>	15
11723 <i>Simian immunodeficiency virus</i>	15
28451 <i>Klebsiella aerogenes</i>	15
11320 <i>Influenza A virus</i>	15
7787 <i>Torpedo californica</i>	15
56636 <i>Aeropyrum pernix</i>	15
2303 <i>Thermoplasma acidophilum</i>	15
360110 <i>Campylobacter jejuni</i> subsp. <i>jejuni</i> 84-25	14
3823 <i>Canavalia ensiformis</i>	14
384509 <i>Influenza A virus (A/tern/Australia/G70C/1975(H11N9))</i>	14
11234 <i>Measles virus</i>	14
13773 <i>Pyrobaculum aerophilum</i>	14
283166 <i>Bartonella henselae</i> str. <i>Houston-1</i>	14
69 <i>Lysobacter enzymogenes</i>	14
10635 <i>Mouse polyomavirus (strain 3)</i>	14
32053 <i>Thermosynechococcus vulcanus</i>	14
12721 <i>Human immunodeficiency virus</i>	14
1358 <i>Lactococcus lactis</i>	14
12215 <i>Potato virus A</i>	13
8364 <i>Xenopus (Silurana) tropicalis</i>	13
32644 <i>unidentified</i>	13
511 <i>Alcaligenes faecalis</i>	13
10678 <i>Enterobacteria phage P1</i>	13
1085 <i>Rhodospirillum rubrum</i>	13
3858 <i>Lathyrus ochrus</i>	13
10585 <i>Human papillomavirus type 31</i>	13
12075 <i>Swine vesicular disease virus</i>	13
10754 <i>Enterobacteria phage P22</i>	13
139 <i>Borrelia burgdorferi</i>	13
273057 <i>Sulfolobus solfataricus P2</i>	13
294 <i>Pseudomonas fluorescens</i>	13
633 <i>Yersinia pseudotuberculosis</i>	13
31531 <i>Vaccinia virus L-IPV</i>	13
1916 <i>Streptomyces lividans</i>	12
273075 <i>Thermoplasma acidophilum DSM 1728</i>	12
414 <i>Methylococcus capsulatus</i>	12
1502 <i>Clostridium perfringens</i>	12
307796 <i>Saccharomyces cerevisiae YJM789</i>	12
10359 <i>Human herpesvirus 5</i>	12
88087 <i>Trimeresurus flavoviridis</i>	12
2209 <i>Methanosarcina mazei</i>	12
11709 <i>Human immunodeficiency virus 2</i>	12
5911 <i>Tetrahymena thermophila</i>	12
11105 <i>Hepatitis C virus (isolate BK)</i>	12
6183 <i>Schistosoma mansoni</i>	11
11276 <i>Vesicular stomatitis virus</i>	11
601 <i>NA</i>	11
1393 <i>Brevibacillus brevis</i>	11
37998 <i>Engyodontium album</i>	11
3649 <i>Carica papaya</i>	11

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314292 <i>Photobacterium angustum</i> S14	11
7757 <i>Petromyzon marinus</i>	11
1833 <i>Rhodococcus erythropolis</i>	11
323 <i>Pseudomonas syringae</i> pv. <i>tomato</i>	11
5811 <i>Toxoplasma gondii</i>	11
7091 <i>Bombyx mori</i>	11
6621 <i>Loligo pealei</i>	10
11108 <i>Hepatitis C virus</i> (isolate H)	10
2320 <i>Methanopyrus kandleri</i>	10
3457 <i>Dioscoreophyllum cumminsii</i>	10
7224 <i>Drosophila hydei</i>	10
1409 <i>Bacillus</i> sp.	10
5702 <i>Trypanosoma brucei brucei</i>	10
10360 <i>Human herpesvirus 5 strain AD169</i>	10
3490 <i>Artocarpus integer</i>	10
5855 <i>Plasmodium vivax</i>	10
1168 <i>Nostoc</i> sp. PCC 7119	10
34 <i>Myxococcus xanthus</i>	10
31159 <i>Daboia russellii russellii</i>	10
1427 <i>Bacillus thermoproteolyticus</i>	10
243233 <i>Methylococcus capsulatus</i> str. Bath	10
11696 HIV-1 M:B_MN	10
1639 <i>Listeria monocytogenes</i>	10
12080 <i>Human poliovirus 1</i>	10
408 <i>Methylobacterium extorquens</i>	10
73239 <i>Plasmodium yoelii yoelii</i>	9
2208 <i>Methanosarcina barkeri</i>	9
10891 <i>Reovirus</i> sp.	9
12086 <i>Human poliovirus 3</i>	9
879 <i>Desulfovibrio gigas</i>	9
190386 <i>Agrobacterium tumefaciens</i> (strain 15955)	9
148305 <i>Magnaporthe grisea</i>	9
203119 <i>Clostridium thermocellum</i> ATCC 27405	9
4084 <i>Solanum pimpinellifolium</i>	9
33708 <i>Murid herpesvirus 4</i>	9
10583 <i>Human papillomavirus type 1a</i>	9
11685 HIV-1 M:B_ARV2/SF2	9
224325 <i>Archaeoglobus fulgidus</i> DSM 4304	9
90371 <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Typhimur</i>	9
10118 <i>Rattus</i> sp.	9
10636 <i>Murine polyomavirus strain A2</i>	9
1131 <i>Synechococcus</i> sp.	9
381666 <i>Ralstonia eutropha</i> H16	9
1260 <i>Finnegoldia magna</i>	9
112509 <i>Hordeum vulgare</i> subsp. <i>vulgare</i>	9
103690 <i>Nostoc</i> sp. PCC 7120	9
1143 <i>Synechocystis</i> sp.	9
11706 HIV-1 M:B_HXB2R	8
79730 <i>Ascidia sydneiensis samea</i>	8
11801 <i>Moloney murine leukemia virus</i>	8
11673 <i>Feline immunodeficiency virus</i>	8
227321 <i>Aspergillus nidulans</i> FGSC A4	8
878 <i>Desulfovibrio fructosovorans</i>	8
195058 <i>Naja sagittifera</i>	8
1167 <i>Anabaena</i> sp.	8
6973 <i>Blattella germanica</i>	8
10579 <i>Human papillomavirus type 8</i>	8
881 <i>Desulfovibrio vulgaris</i>	8
6398 <i>Lumbricus terrestris</i>	8
12069 <i>Human coxsackievirus A21</i>	8
36409 <i>Rinderpest virus</i> (strain RBOK)	8

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272557	<i>Aeropyrum pernix K1</i>	8
8618	<i>Dendroaspis angusticeps</i>	8
45659	<i>Human adenovirus 3</i>	8
1352	<i>Enterococcus faecium</i>	8
5664	<i>Leishmania major</i>	8
9595	<i>Gorilla gorilla gorilla</i>	8
10684	<i>Bacillus phage PBS2</i>	8
29292	<i>Pyrococcus abyssi</i>	8
238	<i>Elizabethkingia meningoseptica</i>	8
7067	<i>Tenebrio molitor</i>	8
10756	<i>Bacillus phage phi29</i>	8
1402	<i>Bacillus licheniformis</i>	8
4100	<i>Nicotiana benthamiana</i>	8
7788	<i>Torpedo marmorata</i>	8
4558	<i>Sorghum bicolor</i>	8
8656	<i>Naja atra</i>	8
10243	<i>Cowpox virus</i>	8
97228	<i>Daboia russellii pulchella</i>	8
3885	<i>Phaseolus vulgaris</i>	8
485	<i>Neisseria gonorrhoeae</i>	7
382848	<i>Influenza A virus (A/swine/Hong Kong/126/1982)(H3N2)</i>	7
10338	<i>Human herpesvirus 3 strain Dumas</i>	7
488537	<i>Clostridium perfringens D str. JGS1721</i>	7
12083	<i>Human poliovirus 2</i>	7
2026	<i>Thermoactinomyces vulgaris</i>	7
11901	<i>Bovine leukemia virus</i>	7
10804	<i>Adeno-associated virus - 2</i>	7
86665	<i>Bacillus halodurans</i>	7
730	<i>Haemophilus ducreyi</i>	7
11678	<i>Human immunodeficiency virus type 1 BH10</i>	7
246196	<i>Mycobacterium smegmatis str. MC2 155</i>	7
103944	<i>Protothrops mucrosquamatus</i>	7
9541	<i>Macaca fascicularis</i>	7
11599	<i>Hantaan virus</i>	7
12067	<i>Human coxsackievirus A9</i>	7
47421	<i>Hydrogenophaga pseudoflava</i>	7
28985	<i>Kluyveromyces lactis</i>	7
622	<i>Shigella dysenteriae</i>	7
317	<i>Pseudomonas syringae</i>	7
669	<i>Vibrio harveyi</i>	7
154633	<i>Human herpesvirus 3 VZV-32</i>	7
285	<i>Comamonas testosteroni</i>	7
1901	<i>Streptomyces clavuligerus</i>	7
10527	<i>Human adenovirus 9</i>	7
571	<i>Klebsiella oxytoca</i>	7
6523	<i>Lymnaea stagnalis</i>	7
6253	<i>Ascaris suum</i>	7
388812	<i>HIV-1 M:C_92BR025</i>	7
293	<i>Brevundimonas diminuta</i>	7
3972	<i>Viscum album</i>	7
1050	<i>Thermochromatium tepidum</i>	7
3544	<i>Mesembryanthemum crystallinum</i>	7
7153	<i>Chironomus tentans</i>	7
162425	<i>Emericella nidulans</i>	7
44130	<i>Human rhinovirus 3</i>	7
158	<i>Treponema denticola</i>	7
585	<i>Proteus vulgaris</i>	7
374840	<i>Enterobacteria phage phiX174 sensu lato</i>	7
5207	<i>Filobasidiella neoformans</i>	7
296	<i>Pseudomonas fragi</i>	7
1404	<i>Bacillus megaterium</i>	7
12208	<i>Pea seed-borne mosaic virus</i>	7
12081	<i>Human poliovirus 1 Mahoney</i>	7
3988	<i>Ricinus communis</i>	6
10658	<i>Enterobacteria phage PRD1</i>	6

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876	<i>Desulfovibrio desulfuricans</i>	6
487	<i>Neisseria meningitidis</i>	6
1282	<i>Staphylococcus epidermidis</i>	6
5507	<i>Fusarium oxysporum</i>	6
550	<i>Enterobacter cloacae</i>	6
1076	<i>Rhodopseudomonas palustris</i>	6
211586	<i>Shewanella oneidensis MR-1</i>	6
7111	<i>Trichoplusia ni</i>	6
8846	<i>Anser indicus</i>	6
17	<i>Methylophilus methylotrophus</i>	6
1894	<i>Streptomyces aureofaciens</i>	6
352472	<i>Dictyostelium discoideum AX4</i>	6
12064	Bovine enterovirus	6
59405	<i>Thaueria aromatica</i>	6
41529	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Typhisuis</i>	6
9844	<i>Lama glama</i>	6
9544	<i>Macaca mulatta</i>	6
83374	<i>Galdieria partita</i>	6
118562	<i>Arthrospira platensis</i>	6
12643	<i>Ectromelia virus</i>	6
5656	<i>Crithidia fasciculata</i>	6
3708	<i>Brassica napus</i>	6
387139	Influenza A virus (A/Aichi/2/1968(H3N2))	6
12072	Human coxsackievirus B3	6
1831	<i>Rhodococcus</i> sp.	6
3661	<i>Cucurbita maxima</i>	6
79257	<i>Rhodomonas</i> sp. CS24	6
1049	<i>Allochromatium vinosum</i>	6
1720	<i>Corynebacterium</i> sp.	6
2285	<i>Sulfolobus acidocaldarius</i>	6
421877	Hepatitis C virus isolate HC-J1	6
1591	<i>Lactobacillus</i> sp.	6
111955	<i>Sulfolobus tokodaii</i>	6
3712	<i>Brassica oleracea</i>	6
12078	Human echovirus 11	6
5791	<i>Physarum polycephalum</i>	6
6426	<i>Riftia pachyptila</i>	6
2286	<i>Sulfolobus shibatae</i>	6
119602	<i>Streptococcus dysgalactiae</i> subsp. <i>equisimilis</i>	6
11033	<i>Semliki forest virus</i>	6
847	<i>Oxalobacter formigenes</i>	6
11698	Human immunodeficiency virus type 1 (NEW YORK-5)	6
5482	<i>Candida tropicalis</i>	6
546	<i>Citrobacter freundii</i>	6
8839	<i>Anas platyrhynchos</i>	6
12126	Theiler's encephalomyelitis virus (STRAIN DA)	6
1501	<i>Clostridium pasteurianum</i>	6
1866	<i>Actinoplanes missouriensis</i>	5
10879	<i>Pseudomonas phage phi6</i>	5
360108	<i>Campylobacter jejuni</i> subsp. <i>jejuni</i> 260.94	5
226900	<i>Bacillus cereus</i> ATCC 14579	5
1765	<i>Mycobacterium bovis</i>	5
190110	<i>Parabuthus schlechteri</i>	5
11082	West Nile virus	5
168807	<i>Escherichia coli</i> O127:H6	5
11113	Hepatitis C virus isolate HC-J6	5
36307	<i>Deinagkistrodon acutus</i>	5
8692	<i>Bitis arietans</i>	5
11855	Mason-Pfizer monkey virus	5
1320	<i>Streptococcus</i> sp. 'group G'	5
538120	Mammalian orthoreovirus 1	5
5061	<i>Aspergillus niger</i>	5
40690	<i>Trematomus bernacchii</i>	5
12227	Tobacco etch virus	5
69488	<i>Penicillium simplicissimum</i>	5

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554	<i>Pectobacterium carotovorum</i>	5
115711	<i>Chlamydomonas pneumoniae</i> AR39	5
46633	Human echovirus 1	5
200597	<i>Sterkiella nova</i>	5
5062	<i>Aspergillus oryzae</i>	5
5722	<i>Trichomonas vaginalis</i>	5
2265	<i>Thermococcus litoralis</i>	5
10506	<i>Paramecium bursaria</i> <i>Chlorella virus 1</i>	5
73841	<i>Vipera ammodytes meridionalis</i>	5
28901	<i>Salmonella enterica</i>	5
3906	<i>Vicia faba</i>	5
316	<i>Pseudomonas stutzeri</i>	5
40051	Bluetongue virus	5
8022	<i>Oncorhynchus mykiss</i>	5
2214	<i>Methanosarcina acetivorans</i>	5
11610	Seoul virus SR11	5
362651	Human immunodeficiency virus type 1 (isolate YU2)	5
1097	<i>Chlorobaculum tepidum</i>	5
8030	<i>Salmo salar</i>	5
129875	Human adenovirus A	5
42897	<i>Shigella flexneri 2a</i>	5
644223	<i>Pichia pastoris</i> GS115	5
1718	<i>Corynebacterium glutamicum</i>	5
93061	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> NCTC 8325	5
818	<i>Bacteroides thetaiotaomicron</i>	5
8724	<i>Bothrops jararaca</i>	5
420174	Hepatitis C virus isolate HC-J4	5
47881	<i>Pseudomonas pavonaceae</i>	5
1525	<i>Moorella thermoacetica</i>	5
65404	<i>Polysiphonia urceolata</i>	5
1590	<i>Lactobacillus plantarum</i>	5
55676	<i>Oligobranchia mashikoi</i>	5
70863	<i>Shewanella oneidensis</i>	5
235	<i>Brucella abortus</i>	5
1494	<i>Clostridium cochlearium</i>	5
5665	<i>Leishmania mexicana</i>	5
2242	<i>Halobacterium salinarum</i>	5
844	<i>Wolinella succinogenes</i>	5
8730	<i>Crotalus atrox</i>	5
6108	<i>Anemonia sulcata</i>	5
905	<i>Acidaminococcus fermentans</i>	5
11104	Hepatitis C virus (isolate 1)	5
46015	<i>Autographa californica nucleopolyhedrovirus</i>	5
1311	<i>Streptococcus agalactiae</i>	5
226185	<i>Enterococcus faecalis</i> V583	5
11191	Sendai virus	5
644	<i>Aeromonas hydrophila</i>	5
3677	<i>Trichosanthes kirilowii</i>	5
10872	<i>Pseudomonas</i> phage Pf3	5
10384	Herpesvirus saimiri (strain 488)	5
915	<i>Nitrosomonas europaea</i>	4
455064	<i>Thermosynechococcus vulcanus</i> str. Copeland	4
10030	<i>Cricetulus longicaudatus</i>	4
4843	<i>Rhizopus microsporus</i> var. <i>chinensis</i>	4
1665	<i>Arthrobacter globiformis</i>	4
2257	<i>Natronomonas pharaonis</i>	4
1074	<i>Rhodoblastus acidophilus</i>	4
269084	<i>Synechococcus elongatus</i> PCC 6301	4
7102	<i>Heliothis virescens</i>	4
10794	Minute virus of mice	4
272630	<i>Methylobacterium extorquens</i> AM1	4
1667	<i>Arthrobacter</i> sp.	4
273121	<i>Wolinella succinogenes</i> DSM 1740	4
6945	<i>Ixodes scapularis</i>	4
426	<i>Methylosinus trichosporium</i>	4

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290579 <i>HIV-1 M:B_Lai</i>	4
7108 <i>Spodoptera frugiperda</i>	4
337042 <i>Human papillomavirus 18</i>	4
158786 <i>Lyngbya majuscula</i>	4
1505 <i>Clostridium sordellii</i>	4
2787 <i>Porphyra purpurea</i>	4
4905 <i>Pichia angusta</i>	4
2262 <i>Pyrococcus woesei</i>	4
31645 <i>Hepatitis C virus (isolate Taiwan)</i>	4
11053 <i>Dengue virus 1</i>	4
1394 <i>Bacillus caldolyticus</i>	4
416870 <i>Lactococcus lactis subsp. cremoris MG1363</i>	4
1474 <i>Sporosarcina pasteurii</i>	4
77929 <i>Rhodomonas sp.</i>	4
169963 <i>Listeria monocytogenes EGD-e</i>	4
1301 <i>Streptococcus</i>	4
504832 <i>Oligotropha carboxidovorans OM5</i>	4
30591 <i>Aotus azarai</i>	4
10847 <i>Enterobacteria phage phiX174</i>	4
272943 <i>Rhodobacter sphaeroides 2.4.1</i>	4
6707 <i>Homarus gammarus</i>	4
106590 <i>Cupriavidus necator</i>	4
11720 <i>Human immunodeficiency virus type 2 (ISOLATE ROI)</i>	4
224324 <i>Aquifex aeolicus VF5</i>	4
1717 <i>Corynebacterium diphtheriae</i>	4
817 <i>Bacteroides fragilis</i>	4
40137 <i>Oligotropha carboxidovorans</i>	4
9685 <i>Felis catus</i>	4
9091 <i>Coturnix coturnix</i>	4
1188 <i>Tolypothrix sp. PCC 7601</i>	4
10849 <i>Enterobacteria phage alpha3</i>	4
10991 <i>Rice dwarf virus</i>	4
3505 <i>Betula pendula</i>	4
243230 <i>Deinococcus radiodurans R1</i>	4
2111 <i>Mycoplasma arthritidis</i>	4
7130 <i>Manduca sexta</i>	4
11686 <i>Human immunodeficiency virus type 1 (BRU ISOLATE)</i>	4
9925 <i>Capra hircus</i>	4
15957 <i>Phleum pratense</i>	4
12260 <i>Bean pod mottle virus</i>	4
3864 <i>Lens culinaris</i>	4
272562 <i>Clostridium acetobutylicum ATCC 824</i>	4
8090 <i>Oryzias latipes</i>	4
257313 <i>Bordetella pertussis Tohama I</i>	4
1309 <i>Streptococcus mutans</i>	4
10381 <i>Saimiriine herpesvirus 2</i>	4
382 <i>Sinorhizobium meliloti</i>	4
36773 <i>Burkholderia sp.</i>	4
1836 <i>Saccharopolyspora erythraea</i>	4
301447 <i>Streptococcus pyogenes serotype M1</i>	4
3673 <i>Momordica charantia</i>	4
12161 <i>Beet yellows virus</i>	4
6848 <i>Carcinoscorpius rotundicauda</i>	4
542 <i>Zymomonas mobilis</i>	4
3329 <i>Picea abies</i>	4
10144 <i>Cavia cutleri</i>	4
1752 <i>Propionibacterium freudenreichii subsp. shermanii</i>	4
11665 <i>Equine infectious anemia virus</i>	4
3879 <i>Medicago sativa</i>	4
13037 <i>Danaus plexippus</i>	4
7159 <i>Aedes aegypti</i>	4
219334 <i>Lactobacillus casei subsp. casei ATCC 393</i>	4
9601 <i>Pongo abelii</i>	4
176674 <i>Influenza A virus (A/Duck/Hong Kong/2986.1/2000)(H5)</i>	4
226186 <i>Bacteroides thetaiotaomicron VPI-5482</i>	4

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31902 <i>Dasyatis akajei</i>	3
103782 <i>Pariacato virus</i>	3
11259 <i>Human respiratory syncytial virus A2</i>	3
8237 <i>Thunnus thynnus</i>	3
1406 <i>Paenibacillus polymyxa</i>	3
173 <i>Leptospira interrogans</i>	3
260809 NA	3
340 <i>Xanthomonas campestris pv. campestris</i>	3
6938 <i>Ornithodoros moubata</i>	3
11520 <i>Influenza B virus</i>	3
3818 <i>Arachis hypogaea</i>	3
12288 <i>Nodamura virus</i>	3
11207 <i>Parainfluenza virus 5</i>	3
8843 <i>Anser anser</i>	3
48465 <i>Prostheco bacter dejongei</i>	3
12475 <i>Hepatitis delta virus</i>	3
10623 <i>Cottontail rabbit papillomavirus</i>	3
1887 <i>Streptomyces albogriseolus</i>	3
2775 <i>Gracilaria chilensis</i>	3
382853 <i>Influenza A virus (A/swine/St-Hyacinthe/148/1990(H1I</i>	3
4043 <i>Petroselinum crispum</i>	3
1408 <i>Bacillus pumilus</i>	3
10884 <i>Mammalian orthoreovirus 1 Lang</i>	3
322710 <i>Azotobacter vinelandii DJ</i>	3
1769 <i>Mycobacterium leprae</i>	3
10712 <i>Phage 434</i>	3
31553 <i>Papillomavirus sylvilagi (STRAIN KANSAS)</i>	3
11208 <i>Simian virus 5 (strain W3)</i>	3
37137 <i>Simian rotavirus A/SA11-both</i>	3
103908 <i>Echovirus 1 (strain Farouk / ATCC VR-1038)</i>	3
11708 <i>Human immunodeficiency virus type 1 (ZAIRE 6 ISOL.</i>	3
11116 <i>Hepatitis C virus (isolate Japanese)</i>	3
11552 <i>Influenza C virus</i>	3
8705 <i>Vipera ammodytes ammodytes</i>	3
1324 <i>Streptococcus sp. G148</i>	3
59201 <i>Salmonella enterica subsp. enterica</i>	3
73475 <i>Chicken anemia virus Cuxhaven-1/Germany</i>	3
1772 <i>Mycobacterium smegmatis</i>	3
2334 <i>Bacillus sp. PS3</i>	3
158878 <i>Staphylococcus aureus subsp. aureus Mu50</i>	3
12134 <i>Human rhinovirus 1A</i>	3
10626 <i>Hamster polyomavirus</i>	3
169066 <i>Human rhinovirus sp.</i>	3
4076 <i>Datura stramonium</i>	3
227984 <i>SARS coronavirus Tor2</i>	3
10923 <i>Simian rotavirus A/SA11</i>	3
92694 <i>Rhodococcus sp. NCIMB12038</i>	3
1083 <i>Phaeosporillum molischianum</i>	3
5076 <i>Penicillium chrysogenum</i>	3
31646 <i>Hepatitis C virus subtype 1a</i>	3
12136 <i>Cricket paralysis virus</i>	3
10315 <i>Human herpesvirus 2 strain HG52</i>	3
13689 <i>Sphingomonas paucimobilis</i>	3
10632 <i>JC polyomavirus</i>	3
2210 <i>Methanosarcina thermophila</i>	3
1421 <i>Lysinibacillus sphaericus</i>	3
10366 <i>Murid herpesvirus 1</i>	3
5724 <i>Trichomonas foetus</i>	3
263374 <i>Bordetella phage BMP-1</i>	3
1931 <i>Streptomyces sp.</i>	3
4498 <i>Avena sativa</i>	3
5861 <i>Plasmodium yoelii</i>	3
10724 <i>Bacillus phage SPP1</i>	3
42003 <i>Griffithsia monilis</i>	3
9874 <i>Odocoileus virginianus</i>	3

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253435 SARS coronavirus PUMC03	3
89020 <i>Mustelus griseus</i>	3
518 <i>Bordetella bronchiseptica</i>	3
135461 <i>Bacillus subtilis</i> subsp. <i>subtilis</i>	3
170187 <i>Streptococcus pneumoniae</i> TIGR4	3
12243 Tobacco mosaic virus (vulgare)	3
1932 <i>Streptomyces tendae</i>	3
7010 <i>Schistocerca gregaria</i>	3
93050 <i>Echis multisquamatus</i>	3
11876 Avian sarcoma virus	3
205488 Ebola virus sp.	3
5085 <i>Aspergillus fumigatus</i>	3
1488 <i>Clostridium acetobutylicum</i>	3
446 <i>Legionella pneumophila</i>	3
100226 <i>Streptomyces coelicolor</i> A3(2)	3
443255 <i>Streptomyces clavuligerus</i> ATCC 27064	3
4682 <i>Allium sativum</i>	3
12145 Tomato bushy stunt virus	3
10326 Equid herpesvirus 1	3
35730 <i>Trematopus newnesi</i>	3
670 <i>Vibrio parahaemolyticus</i>	3
353152 <i>Cryptosporidium parvum</i> Iowa II	3
4087 <i>Nicotiana alata</i>	3
1306 <i>Streptococcus</i> sp.	3
12253 Tomato mosaic virus	3
375 <i>Bradyrhizobium japonicum</i>	3
36436 Simian rotavirus A/SA11-4F	3
1098 <i>Prosthecochloris vibrioformis</i>	3
10279 <i>Molluscum contagiosum</i> virus	3
12657 Equid herpesvirus 2	3
272558 <i>Bacillus halodurans</i> C-125	3
11241 Rinderpest virus	3
8053 <i>Gadus callarias</i>	3
37554 Enterobacteria phage HK97	3
1197 <i>Fremyella diplosiphon</i>	3
171624 <i>Nephila antipodiana</i>	3
1307 <i>Streptococcus suis</i>	3
198214 <i>Shigella flexneri</i> 2a str. 301	3
82367 <i>Paracoccus pantotrophus</i>	3
11149 Transmissible gastroenteritis virus	3
1354 <i>Enterococcus hirae</i>	3
12353 Enterobacteria phage RB69	3
6100 <i>Aequorea victoria</i>	3
6526 <i>Biomphalaria glabrata</i>	3
11247 Bovine respiratory syncytial virus ATCC51908	3
345076 <i>Vibrio cholerae</i> V52	3
11689 Human immunodeficiency virus type 1 (ELI ISOLATE)	3
51453 <i>Hypocrea jecorina</i>	3
1905 <i>Streptomyces exfoliatus</i>	3
10864 Enterobacteria phage fd	3
35816 <i>Pelobacter acidigallici</i>	3
9597 <i>Pan paniscus</i>	3
12264 Cowpea mosaic virus	3
10530 Murine adenovirus 1	3
71421 <i>Haemophilus influenzae</i> Rd KW20	3
1744 <i>Propionibacterium freudenreichii</i>	3
9770 <i>Balaenoptera physalus</i>	3
2180 <i>Methanothermus fervidus</i>	3
31767 Hepatitis E virus (strain Burma)	3
102746 <i>Hieracium piloselloides</i>	3
347515 <i>Leishmania major</i> strain Friedlin	3
8167 <i>Perca flavescens</i>	3
3981 <i>Hevea brasiliensis</i>	3
10333 Equine herpesvirus type 4 (strain 1942)	3
68728 <i>Chrysocyon brachyurus</i>	3

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35889 <i>Nicotiana glutinosa</i>	3
8649 <i>Naja kaouthia</i>	3
12285 <i>Black beetle virus</i>	3
8732 <i>Crotalus durissus terrificus</i>	3
9793 <i>Equus asinus</i>	3
62977 <i>Acinetobacter sp. ADP1</i>	3
1848 <i>Pseudonocardia thermophila</i>	3
12022 <i>Enterobacterio phage MS2</i>	3
337 <i>Burkholderia glumae</i>	3
198803 <i>Bacillus sp. MN-32</i>	3
5821 <i>Plasmodium berghei</i>	3
11034 <i>Sindbis virus</i>	3
121791 <i>Nipah virus</i>	3
873 <i>Desulfovibrio africanus</i>	3
40410 <i>Cryptococcus neoformans var. neoformans</i>	3
5270 <i>Ustilago maydis</i>	3
1580 <i>Lactobacillus brevis</i>	2
10614 <i>Human papillomavirus type 3</i>	2
6182 <i>Schistosoma japonicum</i>	2
300 <i>Pseudomonas mendocina</i>	2
10761 <i>Shigella phage Sf6</i>	2
2188 <i>Methanococcus voltae</i>	2
11077 <i>Kunjin virus</i>	2
7165 <i>Anopheles gambiae</i>	2
9521 <i>Saimiri sciureus</i>	2
167804 <i>Dipsosaurus dorsalis</i>	2
12023 <i>Pseudomonas phage PP7</i>	2
194439 <i>Chlorobium tepidum TLS</i>	2
91753 <i>Cucurbit aphid-borne yellows virus</i>	2
715 <i>Actinobacillus pleuropneumoniae</i>	2
12082 <i>Human poliovirus 1 strain Sabin</i>	2
5059 <i>Aspergillus flavus</i>	2
5827 <i>Plasmodium cynomolgi</i>	2
10711 <i>Enterobacteria phage P21</i>	2
6437 NA	2
83331 <i>Mycobacterium tuberculosis CDC1551</i>	2
2021 <i>Thermobifida fusca</i>	2
290397 <i>Anaeromyxobacter dehalogenans 2CP-C</i>	2
34007 <i>Paracoccus versutus</i>	2
122586 <i>Neisseria meningitidis MC58</i>	2
375732 <i>Influenza A virus (A/swine/England/191973/92(H1N7))</i>	2
1147 <i>Synechocystis sp. PCC 6714</i>	2
1582 <i>Lactobacillus casei</i>	2
31958 <i>Amycolatopsis orientalis</i>	2
920 <i>Acidithiobacillus ferrooxidans</i>	2
11707 <i>Human immunodeficiency virus type 1 (HXB3 ISOLAT</i>	2
12042 <i>Beet western yellows virus</i>	2
194699 <i>Bordetella phage BPP-1</i>	2
10345 <i>Suid herpesvirus 1</i>	2
5699 <i>Trypanosoma vivax</i>	2
69156 <i>Murine cytomegalovirus (strain K181)</i>	2
30077 <i>Triatoma pallidipennis</i>	2
7460 <i>Apis mellifera</i>	2
12302 <i>Brome mosaic virus</i>	2
10560 <i>Bovine papillomavirus type 2</i>	2
28875 <i>Rotavirus A</i>	2
6442 <i>Phascolopsis gouldii</i>	2
34028 <i>Comamonas sp.</i>	2
123217 <i>Anopheles cracens</i>	2
8844 <i>Anser anser anser</i>	2
5306 <i>Phanerochaete chrysosporium</i>	2
16 <i>Methylophilus</i>	2
10624 <i>Polyomavirus</i>	2
244589 <i>Sulfolobus virus 1</i>	2
77133 <i>uncultured bacterium</i>	2

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305	<i>Ralstonia solanacearum</i>	2
132504	Influenza A virus (A/X-31(H3N2))	2
5514	<i>Fusarium sporotrichioides</i>	2
192	<i>Azospirillum brasilense</i>	2
262338	SARS coronavirus GD03T0013	2
6359	<i>Platynereis dumerilii</i>	2
80863	<i>Populus tremula</i> x <i>Populus alba</i>	2
30308	<i>Ichthyomyzon unicuspis</i>	2
350	<i>Zoogloea ramigera</i>	2
324602	<i>Chloroflexus aurantiacus</i> J-10-fl	2
180454	<i>Anopheles gambiae</i> str. PEST	2
1467	<i>Bacillus lentus</i>	2
10497	African swine fever virus	2
10566	Human papillomavirus	2
275	<i>Thermus</i> sp.	2
10714	<i>Corynephage omega</i>	2
269145	<i>Sulfolobus turreted</i> icosahedral virus	2
291940	<i>Artocarpus hirsutus</i>	2
34305	<i>Lotus japonicus</i>	2
11216	Human parainfluenza virus 3	2
379746	Influenza A virus (A/sw/Obihiro/1/1994(H3N2))	2
10310	Human herpesvirus 2	2
5319	<i>Irpex lacteus</i>	2
6192	<i>Fasciola hepatica</i>	2
77763	Banna virus	2
6703	<i>Pandalus borealis</i>	2
32002	<i>Achromobacter denitrificans</i>	2
11088	Tick-borne encephalitis virus (WESTERN SUBTYPE)	2
2788	<i>Porphyra yezoensis</i>	2
132961	<i>Bungarus caeruleus</i>	2
927	<i>Halothiobacillus neapolitanus</i>	2
45410	Hepatitis B virus adw4/Brazil/isolate w4b	2
503404	Tomato yellow leaf curl virus-Mild [Japan:Atumij]	2
4906	<i>Williopsis saturnus</i>	2
223283	<i>Pseudomonas syringae</i> pv. <i>tomato</i> str. DC3000	2
5539	<i>Scytalidium lignicola</i>	2
6396	<i>Eisenia fetida</i>	2
80866	<i>Delftia acidovorans</i>	2
1929	<i>Streptomyces rubiginosus</i>	2
30408	<i>Crossoptilon crossoptilon</i>	2
280048	<i>Copaifera langsdorffii</i>	2
36374	<i>Visna/maedi</i> virus EV1 KV1772	2
8714	<i>Gloydus halys</i>	2
3840	<i>Vigna unguiculata</i> subsp. <i>cylindrica</i>	2
11868	Avian myelocytomatosis virus 29	2
9669	<i>Mustela putorius furo</i>	2
10255	<i>Variola</i> virus	2
240269	<i>Paramecium bursaria</i> <i>Chlorella</i> virus AN69C	2
269446	<i>Rous sarcoma</i> virus (strain Schmidt-Ruppin A)	2
37335	<i>Conus pennaceus</i>	2
190485	<i>Xanthomonas campestris</i> pv. <i>campestris</i> str. ATCC 33	2
64574	<i>Radiomyces spectabilis</i>	2
24	<i>Shewanella putrefaciens</i>	2
272844	<i>Pyrococcus abyssi</i> GE5	2
512	<i>Alcaligenes</i> sp.	2
11089	Yellow fever virus	2
311246	Influenza A virus (A/Mongolia/162/91(H1N1))	2
3054	<i>Chlamydomonas moewusii</i>	2
45441	<i>Enterobacteria</i> phage L	2
196620	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> MW2	2
4920	<i>Milleroyzma farinosa</i>	2
1697	<i>Corynebacterium ammoniagenes</i>	2
81759	<i>Hyacinthoides hispanica</i>	2
7004	<i>Locusta migratoria</i>	2
2271	<i>Thermoproteus tenax</i>	2

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7719	<i>Ciona intestinalis</i>	2
3496	<i>Maclura pomifera</i>	2
11604	<i>Puumala virus</i>	2
8717	<i>Calloselasma rhodostoma</i>	2
3843	<i>Erythrina corallodendron</i>	2
9675	<i>Paguma larvata</i>	2
1338	<i>Streptococcus intermedius</i>	2
1479	<i>Bacillus smithii</i>	2
280	<i>Xanthobacter autotrophicus</i>	2
11063	<i>Dengue virus 2 Malaysia M3</i>	2
343250	<i>Daboia russellii siamensis</i>	2
11683	<i>Human immunodeficiency virus type 1 (Z2/CDC-Z34 I:</i>	2
380344	<i>Influenza A virus (A/chicken/Hong Kong/14/1976(H1N</i>	2
50339	<i>Thermoplasma volcanium</i>	2
643680	<i>Saccharomyces cerevisiae EC1118</i>	2
214092	<i>Yersinia pestis CO92</i>	2
5341	<i>Agaricus bisporus</i>	2
67825	<i>Citrobacter rodentium</i>	2
1587	<i>Lactobacillus helveticus</i>	2
6238	<i>Caenorhabditis briggsae</i>	2
11285	<i>Vesicular stomatitis Indiana virus strain San Juan</i>	2
3704	<i>Armoracia rusticana</i>	2
54914	<i>Brevibacillus parabrevis</i>	2
10370	<i>Human herpesvirus 6 (strain Uganda-1102)</i>	2
228407	<i>SARS coronavirus BJ01</i>	2
70698	<i>M28 virus</i>	2
223	<i>Achromobacter cycloclastes</i>	2
419947	<i>Mycobacterium tuberculosis H37Ra</i>	2
4511	<i>Eleusine coracana</i>	2
47519	<i>Calystegia sepium</i>	2
12107	<i>Mengo virus</i>	2
563041	<i>Helicobacter pylori G27</i>	2
59837	<i>Leiostomus xanthurus</i>	2
1520	<i>Clostridium beijerinckii</i>	2
1829	<i>Rhodococcus rhodochrous</i>	2
31708	<i>Human rhinovirus 16</i>	2
11065	<i>Dengue virus 2 Thailand/NGS-C/1944</i>	2
344021	<i>Enterobacteria phage K1F</i>	2
883	<i>Desulfovibrio vulgaris str. 'Miyazaki F'</i>	2
380350	<i>Influenza A virus (A/swine/Beijing/47/1991(H1N1))</i>	2
11983	<i>Norwalk virus</i>	2
190650	<i>Caulobacter crescentus CB15</i>	2
51336	<i>Cabbage leaf curl virus</i>	2
1398	<i>Bacillus coagulans</i>	2
67831	<i>Rhipicephalus bursa</i>	2
10634	<i>Murine polyomavirus</i>	2
257309	<i>Corynebacterium diphtheriae NCTC 13129</i>	2
319	<i>Pseudomonas syringae pv. phaseolicola</i>	2
6715	<i>Astacus astacus</i>	2
90370	<i>Salmonella enterica subsp. enterica serovar Typhi</i>	2
312017	<i>Tetrahymena thermophila SB210</i>	2
55084	<i>Pandinus imperator</i>	2
28450	<i>Burkholderia pseudomallei</i>	2
7038	<i>Bemisia tabaci</i>	2
2280	<i>Staphylothermus marinus</i>	2
11138	<i>Murine hepatitis virus</i>	2
6087	<i>Hydra vulgaris</i>	2
29170	<i>Ancylostoma caninum</i>	2
11066	<i>Dengue virus 2 Puerto Rico/PR159-S1/1969</i>	2
129910	<i>Arthrospira maxima</i>	2
3916	<i>Vigna radiata var. radiata</i>	2
4754	<i>Pneumocystis carinii</i>	2
51350	<i>Brassica rapa subsp. rapa</i>	2
12147	<i>Tomato bushy stunt virus (STRAIN CHERRY)</i>	2
529	<i>Ochrobactrum anthropi</i>	2

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109171 <i>Pachyrhizus erosus</i>	2
672 <i>Vibrio vulnificus</i>	2
8631 <i>Laticauda semifasciata</i>	2
3711 <i>Brassica rapa</i>	2
4092 <i>Nicotiana plumbaginifolia</i>	2
224326 <i>Borrelia burgdorferi</i> B31	2
5759 <i>Entamoeba histolytica</i>	2
381 <i>Mesorhizobium loti</i>	2
10995 <i>Infectious bursal disease virus</i>	2
93934 <i>Coturnix japonica</i>	2
119072 <i>Caldanaerobacter subterraneus</i> subsp. <i>tengcongensis</i>	2
3527 <i>Phytolacca americana</i>	2
155077 <i>Cellvibrio japonicus</i>	2
11879 <i>Avian sarcoma virus</i> PR2257	2
186538 <i>Zaire ebolavirus</i>	2
47914 <i>Brevibacterium fuscum</i>	2
12116 <i>Foot-and-mouth disease virus - type C</i>	2
208893 <i>Human respiratory syncytial virus A</i>	2
11070 <i>Dengue virus 4</i>	2
3663 <i>Cucurbita pepo</i>	2
899 <i>Desulfomicrobium baculatum</i>	2
1245 <i>Leuconostoc mesenteroides</i>	2
4787 <i>Phytophthora infestans</i>	2
12154 <i>Turnip yellow mosaic virus</i>	2
5386 <i>Xerocomus chrysenteron</i>	2
65406 <i>Pseudomonas</i> sp. 7A	2
6279 <i>Brugia malayi</i>	2
79261 <i>Streptomyces castaneoglobisporus</i>	2
536 <i>Chromobacterium violaceum</i>	2
11741 <i>Visna/Maedi virus</i>	2
45920 <i>Araneus diadematus</i>	2
198215 <i>Shigella flexneri</i> 2a str. 2457T	2
4934 <i>Lachancea kluyveri</i>	2
28502 <i>Amaranthus hypochondriacus</i>	2
10685 <i>Bacillus phage</i> SPO1	2
265874 <i>Ectromelia virus</i> Moscow	2
1956 <i>Streptomyces diastaticus</i>	2
285006 <i>Saccharomyces cerevisiae</i> RM11-1a	2
11176 <i>Newcastle disease virus</i>	2
11641 <i>Human foamy virus</i>	2
373036 <i>Griffithsia</i> sp. Q66D336	2
11885 <i>Fujinami sarcoma virus</i>	2
47969 <i>Oreochromis aureus</i>	2
12371 <i>Phage h30</i>	2
76275 <i>Rhodococcus</i> sp. R312	2
29303 <i>Streptomyces cattleya</i>	2
6550 <i>Mytilus edulis</i>	2
85698 <i>Achromobacter xylosoxidans</i>	2
11072 <i>Japanese encephalitis virus</i>	2
9430 <i>Desmodus rotundus</i>	2
452646 <i>Neovison vison</i>	2
192387 <i>Alicyclobacillus sendaiensis</i>	2
5689 <i>Leishmania tarentolae</i>	2
10637 <i>Mouse polyomavirus (strain Crawford small-plaque)</i>	2
258594 <i>Rhodopseudomonas palustris</i> CGA009	2
79676 <i>Pseudomonas</i> sp. CF600	2
273063 <i>Sulfolobus tokodaii</i> str. 7	2
39682 <i>Viridovipera stejnegeri</i>	2
198628 <i>Dickeya dadantii</i> 3937	2
1428 <i>Bacillus thuringiensis</i>	2
266834 <i>Sinorhizobium melloti</i> 1021	2
394 <i>Rhizobium</i> sp. NGR234	2
289329 <i>Influenza B virus (B/Maryland/1/01)</i>	2
40353 <i>Echis carinatus</i>	2
426430 <i>Staphylococcus aureus</i> subsp. <i>aureus</i> str. <i>Newman</i>	2

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1360 <i>Lactococcus lactis</i> subsp. <i>lactis</i>	2
12124 <i>Theiler's encephalomyelitis</i> virus	2
1498 <i>Clostridium histolyticum</i>	2
1553 <i>Clostridium tetanomorphum</i>	2
272626 <i>Listeria innocua</i> Clip11262	2
6561 <i>Scapharca inaequalis</i>	2
480 <i>Moraxella catarrhalis</i>	2
2743 <i>Marinobacter hydrocarbonoclasticus</i>	2
348776 <i>Mycobacterium tuberculosis</i> C	2
8175 <i>Sparus aurata</i>	2
130308 <i>Human adenovirus</i> E	2
382841 <i>Influenza A virus (A/seal/MA/3984/1992(H3N3))</i>	2
9490 <i>Saguinus oedipus</i>	2
1270 <i>Micrococcus luteus</i>	2
4839 <i>Rhizomucor miehei</i>	2
10641 <i>Cauliflower mosaic virus</i>	2
318586 <i>Paracoccus denitrificans</i> PD1222	2
10553 <i>Fowl adenovirus</i> 1	2
6436 <i>Themiste dyscritum</i>	2
587 <i>Providencia rettgeri</i>	2
374844 <i>Enterobacteria phage G4 sensu lato</i>	2
48386 <i>Perilla frutescens</i>	2
210007 <i>Streptococcus mutans</i> UA159	2
13249 <i>Rhodnius prolixus</i>	1
243277 <i>Vibrio cholerae</i> O1 biovar <i>El Tor</i> str. N16961	1
76854 <i>Shewanella massilia</i>	1
29323 <i>Thermoanaerobacter brockii</i>	1
272627 <i>Magnetospirillum magnetotacticum</i> MS-1	1
306263 <i>Campylobacter lari</i> RM2100	1
2771 <i>Cyanidium caldarium</i>	1
35304 <i>Bunyamwera virus</i>	1
648 <i>Aeromonas caviae</i>	1
348780 <i>Natronomonas pharaonis</i> DSM 2160	1
130309 <i>Human adenovirus</i> F	1
3679 <i>Ecballium elaterium</i>	1
37762 <i>Escherichia coli</i> B	1
52861 <i>Tabernaemontana divaricata</i>	1
703612 <i>Bacillus subtilis</i> subsp. <i>spizizenii</i> ATCC 6633	1
220668 <i>Lactobacillus plantarum</i> WCFS1	1
5499 <i>Passalora fulva</i>	1
66188 <i>Micropechis ikaheka</i>	1
69014 <i>Thermococcus kodakarensis</i> KOD1	1
28081 <i>Bordetella</i> sp.	1
6339 <i>Heligmosomoides polygyrus</i>	1
30076 <i>Triatoma infestans</i>	1
32603 <i>Human herpesvirus</i> 6A	1
549 <i>Pantoea agglomerans</i>	1
321147 <i>SARS coronavirus</i> BJ162	1
7425 <i>Nasonia vitripennis</i>	1
113636 <i>Populus tremula</i>	1
3352 <i>Pinus taeda</i>	1
35936 <i>Lablab purpureus</i>	1
8665 <i>Ophiophagus hannah</i>	1
404579 <i>Pseudomonas</i> sp. PS-7	1
178306 <i>Pyrobaculum aerophilum</i> str. IM2	1
46170 <i>Staphylococcus aureus</i> subsp. <i>aureus</i>	1
525146 <i>Desulfovibrio desulfuricans</i> subsp. <i>desulfuricans</i> str. A	1
199306 <i>Coccidioides posadasii</i>	1
58217 <i>Loxosceles laeta</i>	1
1445 <i>Bacillus alcalophilus</i>	1
237561 <i>Candida albicans</i> SC5314	1
73147 <i>Oat sterile dwarf virus</i>	1
28737 <i>Elephantulus edwardii</i>	1
272 <i>Thermus caldophilus</i>	1
31552 <i>Human papillomavirus</i> type 6	1

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11036	<i>Venezuelan equine encephalitis virus</i>	1
97234	<i>Dryopteris crassirhizoma</i>	1
592	NA	1
336203	<i>Sphingobium fuliginis</i>	1
3567	<i>Amaranthus caudatus</i>	1
37133	<i>Tula virus</i>	1
157791	<i>Vigna radiata</i>	1
11888	<i>Rous sarcoma virus - Prague C</i>	1
432528	<i>Grammostola rosea</i>	1
9798	<i>Equus przewalskii</i>	1
591001	<i>Acidaminococcus fermentans DSM 20731</i>	1
10306	<i>Human herpesvirus 1 strain KOS</i>	1
5286	<i>Rhodospiridium toruloides</i>	1
13555	<i>Haemadipsa sylvestris</i>	1
11	<i>Cellvibrio gilvus</i>	1
243365	<i>Chromobacterium violaceum ATCC 12472</i>	1
76935	<i>Bacillus agaradhaerens</i>	1
29339	<i>Bacillus thuringiensis serovar kurstaki</i>	1
6644	NA	1
86600	<i>Discosoma sp.</i>	1
7168	<i>Anopheles dirus</i>	1
103904	<i>Coxsackievirus B3 (strain Woodruff)</i>	1
35345	<i>Lactococcus phage TP901-1</i>	1
658	<i>Photobacterium leiognathi subsp. leiognathi</i>	1
349102	<i>Rhodobacter sphaeroides ATCC 17025</i>	1
132475	<i>Yaba-like disease virus</i>	1
3690	<i>Populus x canadensis</i>	1
37919	<i>Rhodococcus opacus</i>	1
9523	<i>Callicebus moloch</i>	1
44822	<i>Microcystis viridis</i>	1
52969	<i>Ascophyllum nodosum</i>	1
12222	<i>Soybean mosaic virus</i>	1
768679	<i>Thermoproteus tenax Kra 1</i>	1
221204	<i>Hieracium pilosella</i>	1
66431	<i>Streptomyces thioluteus</i>	1
28094	<i>Burkholderia caryophylli</i>	1
188	<i>Magnetospirillum magnetotacticum</i>	1
261594	<i>Bacillus anthracis str. 'Ames Ancestor'</i>	1
6352	NA	1
79930	<i>Methanothermobacter thermautotrophicus str. Winter</i>	1
1921	<i>Streptomyces olivaceoviridis</i>	1
346	<i>Xanthomonas citri</i>	1
92438	<i>Bungarus candidus</i>	1
115547	uncultured archaeon	1
11531	<i>Influenza B virus (STRAIN B/HONG KONG/8/73)</i>	1
145263	<i>Methanothermobacter marburgensis</i>	1
405212	<i>Alicyclobacillus acidocaldarius</i>	1
178876	<i>Cryptococcus neoformans var. grubii</i>	1
4120	<i>Ipomoea batatas</i>	1
46245	<i>Drosophila pseudoobscura pseudoobscura</i>	1
58226	<i>Comamonas sp. JS765</i>	1
1449	<i>Amphibacillus xylanus</i>	1
10450	<i>Orgyia pseudotsugata single capsid nucleopolyhedrovir</i>	1
237895	<i>Cryptosporidium hominis</i>	1
269086	<i>Pseudomonas sp. SY-77-1</i>	1
11047	<i>Equine arteritis virus</i>	1
98360	<i>Salmonella enterica subsp. enterica serovar Dublin</i>	1
2327	<i>Methylophilus methylotrophus W3A1</i>	1
7957	<i>Carassius auratus</i>	1
3570	<i>Dianthus caryophyllus</i>	1
376619	<i>Francisella tularensis subsp. holarctica LVS</i>	1
3891	<i>Psophocarpus tetragonolobus</i>	1
190304	<i>Fusobacterium nucleatum subsp. nucleatum ATCC 25</i>	1
4615	<i>Ananas comosus</i>	1
49577	<i>Cheilocostus speciosus</i>	1

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630626 <i>Escherichia blattae</i> DSM 4481	1
10308 <i>Herpes simplex virus</i> (type 1 / strain Patton)	1
63559 <i>Penicillium amagasakiense</i>	1
12538 <i>Mokola virus</i>	1
1583 <i>Weissella confusa</i>	1
13616 <i>Monodelphis domestica</i>	1
6185 <i>Schistosoma haematobium</i>	1
1890 <i>Streptomyces antibioticus</i>	1
29342 <i>Clostridium botulinum</i> D phage	1
272631 <i>Mycobacterium leprae</i> TN	1
6689 <i>Litopenaeus vannamei</i>	1
32001 <i>Alcaligenes faecalis</i> subsp. <i>faecalis</i>	1
491 <i>Neisseria meningitidis</i> serogroup B	1
309800 <i>Haloferax volcanii</i> DS2	1
35621 <i>Streptomyces mobaraensis</i>	1
659 <i>Photobacterium phosphoreum</i>	1
11277 <i>Vesicular stomatitis</i> Indiana virus	1
349975 <i>Simian immunodeficiency virus</i> - agm.tan-1	1
3691 <i>Populus nigra</i>	1
921 <i>Starkeya novella</i>	1
383561 <i>Influenza A virus</i> (A/swine/Italy/1850/1977(H3N2))	1
168809 <i>Arthrobacter</i> sp. AD2	1
4072 <i>Capsicum annuum</i>	1
45151 <i>Pyrenophora tritici-repentis</i>	1
1288 <i>Staphylococcus xylosus</i>	1
12054 <i>unidentified tobacco necrosis virus</i>	1
493803 <i>Merkel cell polyomavirus</i>	1
53412 <i>Pseudomonas resinovorans</i>	1
222737 NA	1
66690 NA	1
1679 <i>Bifidobacterium longum</i> subsp. <i>longum</i>	1
28278 <i>Human adenovirus</i> 19	1
10677 <i>Enterobacteria phage</i> Mu	1
1924 <i>Streptomyces purpurascens</i>	1
277944 <i>Human coronavirus</i> NL63	1
6956 <i>Dermatophagoides pteronyssinus</i>	1
92652 <i>Shrimp white spot syndrome virus</i>	1
7594 <i>Patiria pectinifera</i>	1
3837 <i>Dioclea grandiflora</i>	1
40001 <i>Cellulomonas</i> sp.	1
11863 <i>Avian erythroblastosis virus</i> (strain S13)	1
408870 <i>Dengue virus</i> 3 Philippines/H87/1956	1
9634 <i>Helarctos malayanus</i>	1
538123 <i>Mammalian orthoreovirus</i> 3	1
12303 <i>Cowpea chlorotic mottle virus</i>	1
239963 <i>Pontellina plumata</i>	1
5850 <i>Plasmodium knowlesi</i>	1
28896 <i>Thermoanaerobacterium saccharolyticum</i>	1
6454 <i>Haliotis rufescens</i>	1
2045 <i>Pimelobacter simplex</i>	1
435 <i>Acetobacter acetii</i>	1
337052 <i>Bovine papillomavirus</i> 1	1
7962 <i>Cyprinus carpio</i>	1
126794 <i>Vaccinia virus</i> Ankara	1
3619 <i>Rumex obtusifolius</i>	1
3902 <i>Ulex europaeus</i>	1
40979 <i>Cocksfoot mottle virus</i>	1
4641 <i>Musa acuminata</i>	1
49817 <i>Erythrina crista-galli</i>	1
633146 <i>Rhodobacter sphaeroides</i> GA	1
212017 <i>Lethocerus indicus</i>	1
64091 <i>Halobacterium</i> sp. NRC-1	1
1511 <i>Clostridium sticklandii</i>	1
12541 <i>Nudaurelia capensis</i> omega virus	1
66695 <i>Citrobacter intermedius</i>	1

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1584	<i>Lactobacillus delbrueckii</i>	1
13686	<i>Solenopsis invicta</i>	1
29388	<i>Staphylococcus capitis</i>	1
10829	<i>Squash leaf curl virus</i>	1
272634	<i>Mycoplasma pneumoniae</i> M129	1
311176	<i>Blotched snakehead virus</i>	1
7225	<i>Scaptodrosophila lebanonensis</i>	1
35670	<i>Naja naja</i>	1
11278	<i>Vesicular stomatitis Indiana virus strain Glasgow</i>	1
8400	<i>Rana catesbeiana</i>	1
3693	<i>Populus tremuloides</i>	1
38577	<i>Bufo arenarum</i>	1
10092	<i>Mus musculus domesticus</i>	1
196112	<i>Streptomyces</i> sp. X-119-6	1
1411	<i>Bacillus akibai</i>	1
12230	<i>Turnip mosaic virus</i>	1
70146	<i>Measles virus strain Edmonston-B</i>	1
1680	<i>Bifidobacterium adolescentis</i>	1
33178	<i>Aspergillus terreus</i>	1
11120	<i>Infectious bronchitis virus</i>	1
326425	<i>Lactobacillus helveticus</i> CNRZ32	1
7668	<i>Strongylocentrotus purpuratus</i>	1
117138	<i>Brome streak virus (strain 11-Cal)</i>	1
735	<i>Haemophilus parahaemolyticus</i>	1
360393	<i>Breda virus serotype 1</i>	1
40050	<i>African horsesickness virus</i>	1
182271	<i>Pterocarpus angolensis</i>	1
4265	<i>Cynara cardunculus</i>	1
46758	<i>Lobophyllia hemprichii</i>	1
1334	<i>Streptococcus dysgalactiae</i>	1
12088	<i>Poliovirus type 3 (strains P3/LEON/37 AND P3/LEON</i>	1
542959	<i>Bpp-1-like viruses</i>	1
12305	<i>Cucumber mosaic virus</i>	1
12558	<i>Sesbania mosaic virus</i>	1
276	<i>Thermus filiformis</i>	1
10715	<i>Staphylococcus phage 42D.m</i>	1
6456	<i>Haliotis fulgens</i>	1
2093	<i>Mycoplasma</i>	1
438	<i>Acetobacter pasteurianus</i>	1
293055	<i>Influenza A virus (A/mallard/Ohio/556/1987(H5N9))</i>	1
7116	<i>Pieris brassicae</i>	1
99565	<i>Chiba virus</i>	1
34381	<i>Aspergillus japonicus</i>	1
11217	<i>Human parainfluenza 3 virus (strain NIH 47885)</i>	1
7998	<i>Ictalurus punctatus</i>	1
128952	<i>Zaire ebolavirus - Mayinga (Zaire, 1976)</i>	1
3627	<i>Actinidia deliciosa</i>	1
380285	<i>Influenza A virus (A/turkey/Ireland/1378/1983(H5N8))</i>	1
8932	<i>Columba livia</i>	1
158879	<i>Staphylococcus aureus subsp. aureus</i> N315	1
11926	<i>Human T-cell lymphotropic virus type 1 (strain ATK)</i>	1
437476	<i>Arthrospira platensis</i> HN01	1
4670	<i>Galanthus nivalis</i>	1
49899	<i>Thermococcus profundus</i>	1
634468	<i>Escherichia coli</i> HB101	1
213804	<i>Janthinobacterium</i> sp. J3	1
5322	<i>Pleurotus ostreatus</i>	1
1512	<i>Clostridium symbiosum</i>	1
67723	<i>Amanita phalloides</i>	1
1585	<i>Lactobacillus delbrueckii subsp. bulgaricus</i>	1
6206	<i>Taenia saginata</i>	1
29390	<i>Streptococcus gordonii</i> str. Challis	1
10843	<i>Enterobacteria phage G4</i>	1
6706	<i>Homarus americanus</i>	1
88764	<i>Conus episcopatus</i>	1

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32044 <i>Pseudomonas mevalonii</i>	1
105402 <i>Zoanthus</i> sp.	1
35688 <i>Porphyridium purpureum</i>	1
668 <i>Aliivibrio fischeri</i>	1
11283 <i>Vesicular stomatitis virus</i> (serotype New Jersey / strain	1
352525 <i>Influenza A virus</i> (A/duck/Potsdam/2216-4/1984(H5N6	1
8403 <i>Rana perezii</i>	1
134821 <i>Ureaplasma parvum</i>	1
38868 <i>Salvia officinalis</i>	1
940 <i>Hydrogenobacter thermophilus</i>	1
11716 <i>Human immunodeficiency virus type 2</i> (ISOLATE D20	1
385684 <i>SARS coronavirus CS24</i>	1
54571 <i>Streptomyces venezuelae</i>	1
12242 <i>Tobacco mosaic virus</i>	1
5541 <i>Thermomyces lanuginosus</i>	1
228330 <i>SARS coronavirus Urbani</i>	1
10679 <i>Enterobacteria phage P2</i>	1
10927 <i>Bovine rotavirus</i>	1
282458 <i>Staphylococcus aureus</i> subsp. <i>aureus</i> MRSA252	1
92829 <i>Xanthomonas axonopodis</i> pv. <i>citri</i>	1
33703 <i>Suid herpesvirus 1</i> strain Kaplan	1
11122 <i>Avian infectious bronchitis virus</i> (strain Beaudette)	1
329852 <i>Enterobacteria phage MS2</i>	1
117911 <i>Shewanella</i> sp. <i>SIB1</i>	1
36407 <i>San Miguel sea lion virus 4</i>	1
813 <i>Chlamydia trachomatis</i>	1
360398 <i>Staphylococcus phage phiPVL108</i>	1
148603 <i>Mycobacterium phage Bxb1</i>	1
11873 <i>Avian musculoaponeurotic fibrosarcoma virus</i> AS42	1
418136 <i>Francisella tularensis</i> subsp. <i>tularensis</i> WY96-3418	1
184922 <i>Giardia lamblia</i> ATCC 50803	1
12092 <i>Hepatitis A virus</i>	1
204723 <i>Peniophora</i> sp. <i>SG</i>	1
5079 <i>Penicillium janthinellum</i>	1
59511 <i>Pseudomonas syringae</i> pv. <i>maculicola</i>	1
12315 <i>Tomato aspermy virus</i>	1
12618 <i>Chicken anemia virus</i>	1
242619 <i>Porphyromonas gingivalis</i> W83	1
74567 <i>NA</i>	1
1823 <i>Nocardia otitidiscaviarum</i>	1
271108 <i>Bombyx mori</i> NPV	1
6494 <i>Conus textile</i>	1
2094 <i>Mycoplasma arginini</i>	1
442 <i>Gluconobacter oxydans</i>	1
296210 <i>Penicillium stoloniferum</i> virus <i>F</i>	1
7119 <i>Antheraea pernyi</i>	1
99571 <i>Dioclea guianensis</i>	1
2337 <i>Thermotoga neapolitana</i>	1
34413 <i>Humicola insolens</i>	1
129555 <i>Amphitrite ornata</i>	1
37487 <i>Marichromatium purpuratum</i>	1
882 <i>Desulfovibrio vulgaris</i> str. <i>Hildenborough</i>	1
160268 <i>Clonostachys</i>	1
3911 <i>Vicia villosa</i>	1
1172 <i>Anabaena variabilis</i>	1
11960 <i>Avian myeloblastosis-associated virus</i>	1
437607 <i>Influenza A virus</i> (A/hvPR8/34(H1N1))	1
4679 <i>Allium cepa</i>	1
1397 <i>Bacillus circulans</i>	1
12139 <i>Southern bean mosaic virus</i>	1
10324 <i>Bovine herpesvirus type 1.1</i> (strain P8-2)	1
64608 <i>Agroclype cylindracea</i>	1
5554 <i>Trichosporon cutaneum</i>	1
78245 <i>Xanthobacter autotrophicus</i> Py2	1
1897 <i>Streptomyces carzinostaticus</i>	1

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29438 <i>Pseudomonas savastanoi</i>	1
11090 <i>Yellow fever virus 17D</i>	1
311400 <i>Thermococcus kodakarensis</i>	1
7240 <i>Drosophila simulans</i>	1
35703 <i>Citrobacter amalonaticus</i>	1
352564 <i>Influenza A virus (A/mallard/Astrakhan/263/1982)(H14I)</i>	1
38945 <i>Flammulina velutipes</i>	1
959 <i>Bdellovibrio bacteriovorus</i>	1
9548 <i>Macaca radiata</i>	1
45596 <i>Candida tenuis</i>	1
1302 <i>Streptococcus gordonii</i>	1
509627 <i>Hepatitis E virus Ct1</i>	1
196627 <i>Corynebacterium glutamicum ATCC 13032</i>	1
10519 <i>Human adenovirus 7</i>	1
5741 <i>Giardia intestinalis</i>	1
28344 <i>Porcine reproductive and respiratory syndrome virus</i>	1
10680 <i>Enterobacteria phage P4</i>	1
264730 <i>Pseudomonas syringae pv. phaseolicola 1448A</i>	1
6410 <i>Haementeria officinalis</i>	1
81841 <i>Pseudomonas sp. 130</i>	1
30608 <i>Microcebus murinus</i>	1
361 <i>Agrobacterium sp.</i>	1
10969 <i>Rhesus rotavirus</i>	1
2277 <i>Pyrobaculum islandicum</i>	1
563 <i>Escherichia blattae</i>	1
11128 <i>Bovine coronavirus</i>	1
329853 <i>Enterobacteria phage BZ13</i>	1
7723 <i>Polyandrocarpa misakiensis</i>	1
3501 <i>Urtica dioica</i>	1
8722 <i>Bothrops asper</i>	1
185447 <i>Parkia platycephala</i>	1
10259 <i>Orf virus (strain NZ2)</i>	1
12336 <i>Clostridium phage c-st</i>	1
242743 <i>SARS coronavirus FRA</i>	1
75891 <i>Thermus sp. IM6501</i>	1
29017 <i>Ornithoctonus huwena</i>	1
10726 <i>Enterobacteria phage T5</i>	1
298334 <i>Simian adenovirus A</i>	1
7123 <i>Hyalophora cecropia</i>	1
2371 <i>Xylella fastidiosa</i>	1
34631 <i>Rhipicephalus appendiculatus</i>	1
11235 <i>Measles virus strain Edmonston</i>	1
3654 <i>Citrullus lanatus</i>	1
37501 <i>Maackia amurensis</i>	1
160490 <i>Streptococcus pyogenes M1 GAS</i>	1
3914 <i>Vigna angularis</i>	1
216371 <i>Penicillium stoloniferum virus S</i>	1
5346 <i>Coprinopsis cinerea</i>	1
65124 <i>Wiseana signata NPV</i>	1
1589 <i>Lactobacillus pentosus</i>	1
13818 <i>Adiantum capillus-veneris</i>	1
78447 <i>Corallina pilulifera</i>	1
29459 <i>Brucella melitensis</i>	1
272944 <i>Rickettsia conorii str. Malish 7</i>	1
32049 <i>Synechococcus sp. PCC 7002</i>	1
11091 <i>NA</i>	1
7242 <i>Drosophila sp.</i>	1
108619 <i>Salmonella enterica subsp. enterica serovar Newport</i>	1
3088 <i>Scenedesmus obliquus</i>	1
11292 <i>Rabies virus</i>	1
137221 <i>Rheum palmatum</i>	1
39152 <i>Methanococcus maripaludis</i>	1
964 <i>Herbaspirillum seropedicae</i>	1
9556 <i>Papio cynocephalus</i>	1
171101 <i>Streptococcus pneumoniae R6</i>	1

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4931 <i>Saccharomyces bayanus</i>	1
228410 <i>Nitrosomonas europaea</i> ATCC 19718	1
5755 <i>Acanthamoeba castellanii</i>	1
70821 <i>Desmodium yellow mottle virus</i>	1
228 <i>Pseudoalteromonas haloplanktis</i>	1
10683 <i>Bacillus phage PBS1</i>	1
264732 <i>Moorella thermoacetica</i> ATCC 39073	1
6419 <i>Hirudinaria manillensis</i>	1
82300 <i>Adeno-associated virus - 5</i>	1
1938 <i>Streptomyces viridochromogenes</i>	1
284218 <i>Influenza A virus (A/Viet Nam/1203/2004(H5N1))</i>	1
33900 <i>Streptomyces murinus</i>	1
331111 <i>Escherichia coli</i> E24377A	1
7748 <i>Lampetra fluvialtilis</i>	1
118974 <i>Stromatopelma griseipes</i>	1
11623 <i>Lymphocytic choriomeningitis virus</i>	1
364106 <i>Escherichia coli</i> UTI89	1
154834 <i>Panicum mosaic satellite virus</i>	1
40245 <i>Cucumaria echinata</i>	1
11878 <i>Avian sarcoma virus CT10</i>	1
9739 <i>Tursiops truncatus</i>	1
565050 <i>Caulobacter crescentus</i> NA1000	1
206121 <i>Pseudomonas sp.</i> ATCC 19121	1
61172 <i>Laguna Negra virus</i>	1
12345 <i>Bacillus phage GA-1</i>	1
75988 <i>Pachymedusa dactinolor</i>	1
10730 <i>Enterobacteria phage 933W</i>	1
85232 <i>Morus nigra</i>	1
31744 <i>Rice yellow mottle virus</i>	1
471 <i>Acinetobacter calcoaceticus</i>	1
300269 <i>Shigella sonnei</i> Ss046	1
101510 <i>Rhodococcus jostii</i> RHA1	1
2378 <i>Sporomusa ovata</i>	1
34649 <i>Mesobuthus martensii</i>	1
345073 <i>Vibrio cholerae</i> O395	1
887 NA	1
380983 <i>Influenza A virus (A/Leningrad/134/47/1957(H2N2))</i>	1
160492 <i>Xylella fastidiosa</i> 9a5c	1
43306 <i>Pseudomonas denitrificans</i>	1
11986 <i>Carnation mottle virus</i>	1
445985 <i>Borrelia burgdorferi</i> ZS7	1
192168 <i>Arthrobacter sp.</i> C2-2	1
1399 <i>Bacillus firmus</i>	1
644282 <i>Desulfarculus baarsii</i> DSM 2075	1
10329 <i>Equine herpesvirus type 1 (strain Kentucky A)</i>	1
216591 <i>Burkholderia cenocepacia</i> J2315	1
5353 <i>Lentinula edodes</i>	1
68170 <i>Lechevalieria aerocolonigenes</i>	1
84 <i>Hyphomicrobium methylovorum</i>	1
257311 <i>Bordetella parapertussis</i> 12822	1
29461 <i>Brucella suis</i>	1
322 <i>Pseudomonas syringae</i> pv. <i>tabaci</i>	1
10863 <i>Enterobacteria phage f1</i>	1
6728 <i>Procambarus clarkii</i>	1
11099 <i>Bovine viral diarrhoea virus 1</i>	1
7244 <i>Drosophila virilis</i>	1
3120 <i>Ulva pertusa</i>	1
35806 <i>Rhodovulum sulfidophilum</i>	1
353796 <i>Streptomyces sp.</i> KK565	1
140437 <i>Streptomyces sp.</i> R1128	1
39300 <i>Ectatomma tuberculatum</i>	1
11733 <i>Simian immunodeficiency virus (MM142-83 ISOLATE)</i>	1
45916 <i>Nostoc ellipsosporum</i>	1
512562 <i>Helicobacter pylori</i> Shi470	1
1426 <i>Geobacillus thermoglucosidasius</i>	1

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10529	<i>Human adenovirus 31</i>	1
229992	<i>SARS coronavirus Frankfurt 1</i>	1
265872	<i>Cowpox virus (Brighton Red)</i>	1
1950	<i>Streptomyces peucetius</i>	1
7054	<i>Photinus pyralis</i>	1
33903	<i>Streptomyces avermitilis</i>	1
331112	<i>Escherichia coli HS</i>	1
36659	<i>Volvariella volvacea</i>	1
837	<i>Porphyromonas gingivalis</i>	1
11636	<i>Reticuloendotheliosis virus</i>	1
367830	<i>Staphylococcus aureus subsp. aureus USA300</i>	1
8729	<i>Crotalus adamanteus</i>	1
40271	<i>Hepatitis C virus genotype 2</i>	1
1108	<i>Chloroflexus aurantiacus</i>	1
9749	<i>Delphinapterus leucas</i>	1
570133	<i>Cyphastrea microphthalma</i>	1
61861	<i>Canavalia brasiliensis</i>	1
1528	<i>Eubacterium barkeri</i>	1
10593	<i>Human papillomavirus type 45</i>	1
76114	<i>Aromatoleum aromaticum EbN1</i>	1
85618	<i>Ateline herpesvirus 3</i>	1
2130	<i>Ureaplasma urealyticum</i>	1
31749	<i>Obuda pepper virus</i>	1
472	<i>Acinetobacter sp.</i>	1
7141	<i>Choristoneura fumiferana</i>	1
102203	<i>Favia favaus</i>	1
2465	<i>Plasmid F</i>	1
34839	<i>Chinchilla lanigera</i>	1
129951	<i>Human adenovirus C</i>	1
37632	<i>Amycolatopsis sp.</i>	1
9267	<i>Didelphis virginiana</i>	1
161736	<i>Pseudomonas phage phi12</i>	1
43759	<i>Streptomyces wedmorensis</i>	1
11988	<i>Turnip crinkle virus</i>	1
448385	<i>Sorangium cellulosum 'So ce 56'</i>	1
192222	<i>Campylobacter jejuni subsp. jejuni NCTC 11168</i>	1
1400	<i>Bacillus intermedius</i>	1
662598	<i>Neisseria meningitidis alpha14</i>	1
10331	<i>Equid herpesvirus 4</i>	1
216597	<i>Salmonella enterica subsp. enterica serovar Typhimur</i>	1
68197	<i>Streptomyces fimbriatus</i>	1
29549	<i>Rhodothermus marinus</i>	1
6772	<i>Celaca pugilator</i>	1
90736	<i>Moritella marina</i>	1
32059	<i>Phormidium laminosum</i>	1
315277	<i>Chlamydia trachomatis AVHAR-13</i>	1
7245	<i>Drosophila yakuba</i>	1
3316	<i>Thuja plicata</i>	1
674	<i>Vibrio mimicus</i>	1
8644	<i>Naja mossambica</i>	1
141716	<i>Monomastix sp. OKE-1</i>	1
39443	<i>Carnation Italian ringspot virus</i>	1
390157	<i>Seneca valley virus</i>	1
175771	<i>Heteractis crispa</i>	1
517417	<i>Chlorobaculum parvum NCIB 8327</i>	1
55810	<i>Bulinus truncatus</i>	1
224914	<i>Brucella melitensis bv. 1 str. 16M</i>	1
230105	<i>Methylophaga aminisulfivorans</i>	1
31234	<i>Caenorhabditis remanei</i>	1
11008	<i>Saccharomyces cerevisiae virus L-A (L1)</i>	1
95649	<i>Bothrops neuwiedi pauloensis</i>	1
33931	<i>Bacillus caldovelox</i>	1
584	<i>Proteus mirabilis</i>	1
3873	<i>Lupinus luteus</i>	1
40324	<i>Stenotrophomonas maltophilia</i>	1

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425529	<i>Influenza A virus (A/Albany/3/1970(H3N2))</i>	1
186539	<i>Reston ebolavirus</i>	1
4550	<i>Secale cereale</i>	1
12118	<i>Foot-and-mouth disease virus - type O</i>	1
208963	<i>Pseudomonas aeruginosa UCBPP-PA14</i>	1
5145	<i>Podospora anserina</i>	1
62887	<i>Gliocladium</i>	1
1496	<i>Clostridium difficile</i>	1
1550	<i>Clostridium subterminale</i>	1
12814	<i>Respiratory syncytial virus</i>	1
10598	<i>Human papillomavirus type 58</i>	1
272624	<i>Legionella pneumophila subsp. pneumophila str. Phila</i>	1
476	<i>Moraxella bovis</i>	1
2489	<i>Plasmid R483</i>	1
35170	<i>Corallina officinalis</i>	1
11250	<i>Human respiratory syncytial virus</i>	1
130081	<i>Galdieria sulphuraria</i>	1
37682	<i>Aegilops tauschii</i>	1
12017	<i>Enterobacteria phage fr</i>	1
4837	<i>Phycomyces blakesleeanus</i>	1
52275	<i>Human adenovirus 37</i>	1
696747	<i>Arthrospira platensis NIES-39</i>	1
65553	<i>Sulfurospirillum deleyianum</i>	1
28039	<i>Lactobacillus leichmannii</i>	1
6282	<i>Onchocerca volvulus</i>	1
29760	<i>Vitis vinifera</i>	1
329	<i>Ralstonia pickettii</i>	1
10870	<i>Enterobacteria phage M13</i>	1
90973	<i>Bacillus sp. TA2.A1</i>	1
2243	<i>Halobacterium sp.</i>	1
32060	<i>Phormidium lapideum</i>	1
7370	<i>Musca domestica</i>	1
686	<i>Vibrio cholerae O1 biovar El Tor</i>	1
11351	NA	1
356411	<i>Hepatitis C virus JFH-1</i>	1
142803	<i>Rice dwarf virus (isolate Akita)</i>	1
3750	<i>Malus x domestica</i>	1
11788	<i>Abelson murine leukemia virus</i>	1
392809	<i>Influenza A virus (A/Victoria/3/1975(H3N2))</i>	1
522373	<i>Stenotrophomonas maltophilia K279a</i>	1
4952	<i>Yarrowia lipolytica</i>	1
10383	<i>Herpesvirus saimiri (strain 11)</i>	1
10533	<i>Human adenovirus 1</i>	1
230624	<i>Trametes ochracea</i>	1
72539	<i>Physalis mottle virus</i>	1
28503	<i>Sambucus ebulus</i>	1
10690	<i>Haemophilus phage HP1</i>	1
6431	<i>Urechis caupo</i>	1
82835	NA	1
1963	<i>Streptomyces olivochromogenes</i>	1
31285	<i>Trypanosoma brucei gambiense</i>	1
7070	<i>Tribolium castaneum</i>	1
96471	<i>Bacillus sp. YM55-1</i>	1
33950	<i>Thermoanaerobacterium thermosulfurigenes</i>	1
3559	<i>Chenopodium album</i>	1
37114	<i>Human papillomavirus type 55</i>	1
47982	<i>Plexaura homomalla</i>	1
574961	<i>Saccharomyces cerevisiae JAY291</i>	1
10301	<i>Herpes simplex virus (type 1 / strain Angelotti)</i>	1
12455	<i>Borna disease virus</i>	1
6118	<i>Entacmaea quadricolor</i>	1
76306	<i>Mimosa pudica</i>	1
29309	<i>Streptomyces verticillus</i>	1
2186	<i>Methanothermococcus thermolithotrophicus</i>	1
31768	<i>Hepatitis E virus (strain Mexico)</i>	1

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11073 <i>Japanese encephalitis virus strain SA-14</i>	1
301887 <i>Echinophyllia sp. SC22</i>	1
35269 <i>Woodchuck hepatitis virus</i>	1
11251 <i>Human respiratory syncytial virus (subgroup B / strain</i>	1
37734 <i>Enterococcus casseliflavus</i>	1
907 <i>Megasphaera elsdenii</i>	1
167644 <i>Ilyobacter tartaricus</i>	1
3983 <i>Manihot esculenta</i>	1
44270 <i>Leishmania mexicana mexicana</i>	1
453591 <i>Ignicoccus hospitalis KIN4/I</i>	1
192952 <i>Methanosarcina mazei Go1</i>	1
52853 <i>Silene latifolia subsp. alba</i>	1
698758 <i>Amphibacillus xylanus NBRC 15112</i>	1
65699 <i>Neisseria meningitidis serogroup A</i>	1
69011 <i>Pseudomonas sp. C18</i>	1
1642 <i>Listeria innocua</i>	1
28068 <i>Rubrivivax gelatinosus</i>	1
260674 <i>Citrullus lanatus subsp. vulgaris</i>	1
6334 <i>Trichinella spiralis</i>	1
79679 <i>Thermococcus sp. KS-1</i>	1
1914 <i>Streptomyces lavendulae</i>	1
29910 <i>Tolypocladium inflatum</i>	1
273068 <i>Thermoanaerobacter tengcongensis MB4</i>	1
6853 <i>Tachypleus tridentatus</i>	1
91201 <i>Gastrodia elata</i>	1
2252 <i>Haloferax mediterranei</i>	1
32536 <i>Acinonyx jubatus</i>	1
7389 <i>Hypoderma lineatum</i>	1
113192 <i>Bothrops pirajai</i>	1
3349 <i>Pinus sylvestris</i>	1
35933 <i>Podophyllum peltatum</i>	1
713 <i>Actinobacillus</i>	1
11484 <i>Influenza A virus (A/whale/Maine/1/84(H13N9))</i>	1
360102 <i>Yersinia pestis Antiqua</i>	1
144185 <i>Leifsonia aquatica</i>	1
3816 <i>Abrus precatorius</i>	1
39803 <i>Enterobacteria phage Qbeta</i>	1
11791 <i>AKR (endogenous) murine leukemia virus</i>	1
394503 <i>Clostridium cellulolyticum H10</i>	1
46018 <i>Human echovirus 7</i>	1
523849 <i>Thermococcus litoralis DSM 5473</i>	1
5053 <i>Aspergillus aculeatus</i>	1
56812 <i>Shewanella frigidimarina</i>	1
1434 <i>Bacillus thuringiensis serovar berliner</i>	1
12287 <i>Flock house virus</i>	1
237020 <i>Porcine torovirus</i>	1
73044 <i>Streptomyces seoulensis</i>	1
1760 <i>Actinobacteria (class)</i>	1
28572 <i>Penicillium funiculosum</i>	1
266835 <i>Mesorhizobium loti MAFF303099</i>	1
83131 <i>Cratylia argentea</i>	1
2017 <i>Streptoalloteichus hindustanus</i>	1
290338 <i>Citrobacter koseri ATCC BAA-895</i>	1
33953 <i>Clostridium aminobutyricum</i>	1
11195 <i>Sendai virus (strain Fushimi)</i>	1
7801 <i>Ginglymostoma cirratum</i>	1
37122 <i>Human papillomavirus type 6a</i>	1
11670 <i>Equine infectious anemia virus (CLONE 1369)</i>	1
157732 <i>Rhodococcus sp. NCIMB 9784</i>	1
11887 <i>Rous sarcoma virus (strain H-19)</i>	1
431947 <i>Porphyromonas gingivalis ATCC 33277</i>	1
585520 <i>Lactobacillus helveticus DSM 20075</i>	1
10304 <i>Herpes simplex virus (type 1 / strain F)</i>	1
63330 <i>Hendra virus</i>	1
12461 <i>Hepatitis E virus</i>	1

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