**Text S4**. Prefix-Strain index for Reference Genome database

Species\_id Species\_name

BACT\_628 Helicobacter hepaticus ATCC 51449

BACT\_699 Leptothrix cholodnii SP-6

BACT\_1513 Streptococcus oralis ATCC 35037

BACT\_220 Bifidobacterium longum subsp. infantis CCUG 52486

BACT\_1292 Acidovorax avenae subsp. avenae ATCC 19860

BACT\_800 Natranaerobius thermophilus JW/NM-WN-LF

BACT\_15 Acidothermus cellulolyticus 11B

BACT\_1622 Rhodobacter capsulatus SB 1003

BACT\_749 Methylobacterium extorquens AM1

BACT\_1283 Zymomonas mobilis subsp. mobilis NCIB 11163

BACT\_1106 Streptococcus agalactiae H36B

BACT\_669 Lactobacillus gasseri 202-4

BACT\_1394 Frankia sp. EuI1c

BACT\_1347 Edwardsiella tarda ATCC 23685

BACT\_40 Actinomyces urogenitalis DSM 15434

BACT\_1253 Wolbachia endosymbiont of Muscidifurax uniraptor

BACT\_815 Nitrobacter hamburgensis X14

BACT\_268 Burkholderia cenocepacia MC0-3

BACT\_664 Lactobacillus coleohominis 101-4-CHN

BACT\_1033 Salmonella enterica subsp. enterica serovar Agona str. SL483

BACT\_1169 Teredinibacter turnerae T7901

BACT\_1486 Staphylococcus aureus A10102

BACT\_676 Lactobacillus jensenii 27-2-CHN

BACT\_534 Escherichia sp. 4\_1\_40B

BACT\_532 Escherichia fergusonii ATCC 35469

BACT\_608 Gluconacetobacter xylinus NBRC 3288

BACT\_877 Photobacterium profundum SS9

BACT\_85 Arthrospira maxima CS-328

BACT\_1362 Escherichia coli B088

BACT\_331 Carnobacterium sp. AT7

BACT\_1332 Candidatus Poribacteria sp. WGA-A3

BACT\_1146 Sulfurovum sp. NBC37-1

BACT\_1176 Thermoanaerobacter mathranii subsp. mathranii str. A3

BACT\_505 Elusimicrobium minutum Pei191

BACT\_1546 Arcobacter nitrofigilis DSM 7299

BACT\_184 Bacteroides sp. 1\_1\_6

BACT\_116 Bacillus cereus BDRD-ST196

BACT\_652 Kingella oralis ATCC 51147

BACT\_1337 Clostridium difficile NAP08

BACT\_1466 Pseudomonas savastanoi pv. savastanoi NCPPB 3335

BACT\_547 Fervidobacterium nodosum Rt17-B1

BACT\_1571 Coraliomargarita akajimensis DSM 45221

BACT\_283 Caldicellulosiruptor saccharolyticus DSM 8903

BACT\_132 Bacillus cereus Rock1-3

BACT\_1072 Shuttleworthia satelles DSM 14600

BACT\_898 Prevotella veroralis F0319

BACT\_245 Bradyrhizobium sp. ORS278

BACT\_645 Janibacter sp. HTCC2649

BACT\_23 Acinetobacter baumannii AYE

BACT\_1445 Parachlamydia acanthamoebae str. Hall's coccus

BACT\_1584 Erwinia amylovora CFBP1430

BACT\_1142 Sulfurihydrogenibium sp. YO3AOP1

BACT\_1413 Lactobacillus gasseri 224-1

BACT\_1516 Streptococcus pneumoniae str. Canada MDR\_19F

BACT\_688 Lactococcus lactis subsp. lactis Il1403

BACT\_167 Bacillus thuringiensis serovar tochigiensis BGSC 4Y1

BACT\_625 Helicobacter bilis ATCC 43879

BACT\_719 Loktanella vestfoldensis SKA53

BACT\_922 Pseudomonas entomophila L48

BACT\_913 Proteus penneri ATCC 35198

BACT\_552 Flavobacteria bacterium MS024-3C

BACT\_160 Bacillus thuringiensis serovar kurstaki str. T03a001

BACT\_936 Pseudomonas syringae pv. syringae B728a

BACT\_780 Mycobacterium smegmatis str. MC2 155

BACT\_1496 Staphylococcus aureus subsp. aureus C101

BACT\_89 Atopobium parvulum DSM 20469

BACT\_1494 Staphylococcus aureus subsp. aureus ATCC 51811

BACT\_1231 Vibrio harveyi ATCC BAA-1116

BACT\_520 Erwinia carotovora subsp. atroseptica SCRI1043

BACT\_1518 Streptococcus suis 05HAS68

BACT\_1519 Streptomyces clavuligerus ATCC 27064

BACT\_685 Lactobacillus ultunensis DSM 16047

BACT\_1162 Synechococcus sp. WH 7805

BACT\_728 Mannheimia succiniciproducens MBEL55E

BACT\_704 Limnobacter sp. MED105

BACT\_661 Lactobacillus antri DSM 16041

BACT\_395 Clostridium leptum DSM 753

BACT\_1021 Ruminococcus gnavus ATCC 29149

BACT\_725 Magnetospirillum magneticum AMB-1

BACT\_216 Bifidobacterium gallicum DSM 20093

BACT\_743 Mesorhizobium opportunistum WSM2075

BACT\_269 Burkholderia dolosa AUO158

BACT\_1291 Acidobacterium sp. MP5ACTX9

BACT\_312 Candidatus Desulforudis audaxviator MP104C

BACT\_333 Catenulispora acidiphila DSM 44928

BACT\_1535 Xanthomonas fuscans subsp. aurantifolii str. ICPB 11122

BACT\_1424 Lysinibacillus fusiformis ZC1

BACT\_1158 Synechococcus sp. RS9916

BACT\_558 Francisella tularensis subsp. novicida U112

BACT\_1591 Herbaspirillum seropedicae SmR1

BACT\_807 Neisseria meningitidis MC58

BACT\_365 Citrobacter koseri ATCC BAA-895

BACT\_1260 Xanthomonas campestris pv. musacearum NCPPB4381

BACT\_1544 Anaplasma centrale str. Israel

BACT\_1035 Salmonella enterica subsp. enterica serovar Dublin str. CT\_02021853

BACT\_982 Rhodopseudomonas palustris HaA2

BACT\_1320 Bacteroides vulgatus PC510

BACT\_1363 Escherichia coli B185

BACT\_891 Porphyromonas uenonis 60-3

BACT\_349 Chlorobaculum parvum NCIB 8327

BACT\_1154 Synechococcus sp. JA-3-3Ab

BACT\_944 Psychrobacter sp. PRwf-1

BACT\_1271 Yersinia intermedia ATCC 29909

BACT\_1218 Vibrio alginolyticus 12G01

BACT\_787 Mycoplasma arthritidis 158L3-1

BACT\_195 Bacteroides thetaiotaomicron VPI-5482

BACT\_940 Pseudomonas syringae pv. tomato T1

BACT\_17 Acidovorax delafieldii 2AN

BACT\_638 Hoeflea phototrophica DFL-43

BACT\_1617 Prevotella ruminicola 23

BACT\_1128 Streptomyces griseus subsp. griseus NBRC 13350

BACT\_1373 Escherichia coli MS 175-1

BACT\_1188 Thermosipho africanus TCF52B

BACT\_193 Bacteroides dorei 5\_1\_36/D4

BACT\_1004 Roseiflexus sp. RS-1

BACT\_1463 Propionibacterium acnes J165

BACT\_2 Burkholderia pseudomallei 305

BACT\_1343 Cylindrospermopsis raciborskii CS-505

BACT\_909 Prochlorococcus marinus subsp. pastoris str. CCMP1986

BACT\_83 Arthrobacter chlorophenolicus A6

BACT\_757 Methylophaga thiooxidans DMS010

BACT\_738 Mariprofundus ferrooxydans PV-1

BACT\_513 Enterococcus faecalis HH22

BACT\_1582 Enterobacter cloacae subsp. cloacae ATCC 13047

BACT\_34 Actinobacillus pleuropneumoniae serovar 1 str. 4074

BACT\_1258 Xanthomonas axonopodis pv. citri str. 306

BACT\_1209 Uncultured Termite group 1 bacterium phylotype Rs-D17

BACT\_1259 Xanthomonas campestris pv. campestris str. 8004

BACT\_370 Clostridium acetobutylicum ATCC 824

BACT\_1217 Verrucomicrobium spinosum DSM 4136

BACT\_618 Haemophilus influenzae R2866

BACT\_3 Hydrogenivirga sp. 128-5-R1-1

BACT\_736 Marinobacter aquaeolei VT8

BACT\_867 Pelobacter propionicus DSM 2379

BACT\_1206 Trichodesmium erythraeum IMS101

BACT\_612 Granulicatella adiacens ATCC 49175

BACT\_957 Rhizobium etli 8C-3

BACT\_794 Mycoplasma penetrans HF-2

BACT\_660 Labrenzia alexandrii DFL-11

BACT\_1334 Chlamydia trachomatis L2tet1

BACT\_1078 Slackia heliotrinireducens DSM 20476

BACT\_1493 Staphylococcus aureus subsp. aureus A017934/97

BACT\_659 Labrenzia aggregata IAM 12614

BACT\_298 Campylobacter upsaliensis RM3195

BACT\_905 Prochlorococcus marinus str. MIT 9313

BACT\_347 Chlamydophila felis Fe/C-56

BACT\_845 Orientia tsutsugamushi str. Ikeda

BACT\_1615 Pantoea ananatis LMG 20103

BACT\_943 Psychrobacter cryohalolentis K5

BACT\_1639 Streptococcus mutans NN2025

BACT\_729 Maricaulis maris MCS10

BACT\_178 Bacteroides finegoldii DSM 17565

BACT\_1560 Candidatus Nitrospira defluvii

BACT\_833 Oceanicola granulosus HTCC2516

BACT\_1618 Propionibacterium acnes SK137

BACT\_510 Enterobacter sp. 638

BACT\_155 Bacillus thuringiensis IBL 4222

BACT\_92 Aurantimonas manganoxydans SI85-9A1

BACT\_1558 Brevundimonas subvibrioides ATCC 15264

BACT\_1553 Bacillus tusciae DSM 2912

BACT\_402 Clostridium perfringens C str. JGS1495

BACT\_1572 Corynebacterium pseudotuberculosis FRC41

BACT\_1372 Escherichia coli MS 146-1

BACT\_173 Bacteroides cellulosilyticus DSM 14838

BACT\_1491 Staphylococcus aureus A9765

BACT\_487 Dialister invisus DSM 15470

BACT\_418 Collinsella aerofaciens ATCC 25986

BACT\_1652 Yersinia pestis Z176003

BACT\_1029 Salinibacter ruber DSM 13855

BACT\_105 Bacillus cereus AH187

BACT\_239 Borrelia valaisiana VS116

BACT\_1442 Neisseria sp. oral taxon 014 str. F0314

BACT\_465 Desulfatibacillum alkenivorans AK-01

BACT\_310 Candidatus Cloacamonas acidaminovorans

BACT\_468 Desulfohalobium retbaense DSM 5692

BACT\_1353 Enterococcus faecium D344SRF

BACT\_191 Bacteroides sp. 4\_3\_47FAA

BACT\_745 Methylacidiphilum infernorum V4

BACT\_727 Mannheimia haemolytica serotype A2 str. OVINE

BACT\_947 Psychromonas sp. CNPT3

BACT\_1081 Sorangium cellulosum 'So ce 56'

BACT\_986 Rickettsia africae ESF-5

BACT\_951 Ralstonia pickettii 12J

BACT\_1404 Gluconacetobacter hansenii ATCC 23769

BACT\_998 Rickettsia typhi str. Wilmington

BACT\_1427 Methylosinus trichosporium OB3b

BACT\_1126 Streptomyces ghanaensis ATCC 14672

BACT\_564 Fusobacterium mortiferum ATCC 9817

BACT\_1642 Thermincola sp. JR

BACT\_147 Bacillus pseudomycoides DSM 12442

BACT\_616 Haemophilus influenzae 22.4-21

BACT\_479 Desulfovibrio vulgaris RCH1

BACT\_1550 Bacillus megaterium QM B1551

BACT\_231 Borrelia burgdorferi 80a

BACT\_859 Pasteuria nishizawae str. North American

BACT\_376 Clostridium botulinum B str. Eklund 17B

BACT\_720 Lutiella nitroferrum 2002

BACT\_717 Listeria monocytogenes str. 4b H7858

BACT\_551 Flavobacteria bacterium MS024-2A

BACT\_624 Helicobacter acinonychis str. Sheeba

BACT\_1135 Streptomyces sp. SPB74

BACT\_765 Microscilla marina ATCC 23134

BACT\_1448 Peptoniphilus lacrimalis 315-B

BACT\_1046 Salmonella enterica subsp. enterica serovar Typhimurium str. LT2

BACT\_215 Bifidobacterium dentium ATCC 27678

BACT\_967 Rhodobacter sp. SW2

BACT\_98 Bacillus cereus 03BB102

BACT\_824 Nocardioides sp. JS614

BACT\_1191 Thermotoga lettingae TMO

BACT\_1160 Synechococcus sp. WH 5701

BACT\_927 Pseudomonas putida F1

BACT\_252 Brucella ceti str. Cudo

BACT\_1415 Lactobacillus jensenii 208-1

BACT\_299 Campylobacterales bacterium GD 1

BACT\_1457 Prevotella melaninogenica D18

BACT\_364 Citreicella sp. SE45

BACT\_1501 Staphylococcus aureus subsp. aureus H19

BACT\_747 Methylobacillus flagellatus KT

BACT\_503 Ehrlichia ruminantium str. Welgevonden

BACT\_480 Desulfovibrio vulgaris str. 'Miyazaki F'

BACT\_164 Bacillus thuringiensis serovar pulsiensis BGSC 4CC1

BACT\_1623 Rhodothermus marinus DSM 4252

BACT\_916 Providencia rustigianii DSM 4541

BACT\_270 Burkholderia graminis C4D1M

BACT\_662 Lactobacillus buchneri ATCC 11577

BACT\_1314 Bacteroides sp. 20\_3

BACT\_853 Parabacteroides sp. D13

BACT\_278 Burkholderia thailandensis MSMB43

BACT\_590 Geobacillus sp. WCH70

BACT\_1083 Sphingobacterium spiritivorum ATCC 33300

BACT\_52 Algoriphagus sp. PR1

BACT\_1489 Staphylococcus aureus A8819

BACT\_649 Jonquetella anthropi E3\_33 E1

BACT\_444 Cronobacter turicensis

BACT\_1032 Salmonella enterica subsp. arizonae serovar 62:z4,z23:--

BACT\_541 Eubacterium siraeum DSM 15702

BACT\_1164 Synechococcus sp. WH 8109

BACT\_62 Anabaena variabilis ATCC 29413

BACT\_488 Acidovorax ebreus TPSY

BACT\_1299 Acinetobacter sp. 6014059

BACT\_427 Corynebacterium accolens ATCC 49725

BACT\_362 Chryseobacterium gleum ATCC 35910

BACT\_1214 Veillonella parvula DSM 2008

BACT\_315 Candidatus Koribacter versatilis Ellin345

BACT\_1495 Staphylococcus aureus subsp. aureus Btn1260

BACT\_542 Eubacterium ventriosum ATCC 27560

BACT\_1052 Serratia proteamaculans 568

BACT\_241 Brachyspira hyodysenteriae WA1

BACT\_1268 Yersinia bercovieri ATCC 43970

BACT\_760 Methylovorus sp. SIP3-4

BACT\_605 Glaciecola sp. HTCC2999

BACT\_566 Fusobacterium nucleatum subsp. nucleatum ATCC 25586

BACT\_1000 Robiginitalea biformata HTCC2501

BACT\_499 Eggerthella lenta DSM 2243

BACT\_1414 Lactobacillus iners AB-1

BACT\_693 Legionella pneumophila str. Corby

BACT\_1593 Klebsiella variicola At-22

BACT\_572 Fusobacterium sp. 3\_1\_5R

BACT\_1194 Thermotoga neapolitana DSM 4359

BACT\_665 Lactobacillus crispatus MV-3A-US

BACT\_960 Rhizobium etli CIAT 894

BACT\_881 Planctomyces limnophilus DSM 3776

BACT\_679 Lactobacillus plantarum WCFS1

BACT\_1235 Vibrio orientalis CIP 102891

BACT\_1168 Syntrophus aciditrophicus SB

BACT\_176 Bacteroides dorei DSM 17855

BACT\_452 Cyanothece sp. PCC 7822

BACT\_1594 Lactobacillus casei str. Zhang

BACT\_1658 Hydrogenobaculum sp. SN

BACT\_1010 Roseobacter sp. MED193

BACT\_1460 Prevotella sp. oral taxon 317 str. F0108

BACT\_1265 Xylanimonas cellulosilytica DSM 15894

BACT\_1105 Streptococcus agalactiae COH1

BACT\_565 Fusobacterium nucleatum subsp. polymorphum ATCC 10953

BACT\_902 Prochlorococcus marinus str. MIT 9301

BACT\_764 Micromonospora sp. ATCC 39149

BACT\_43 Aeromonas hydrophila subsp. hydrophila ATCC 7966

BACT\_1208 Tsukamurella paurometabola DSM 20162

BACT\_545 Faecalibacterium prausnitzii A2-165

BACT\_511 Enterococcus casseliflavus EC10

BACT\_598 Geobacter metallireducens GS-15

BACT\_1384 Escherichia coli MS 84-1

BACT\_1371 Escherichia coli MS 124-1

BACT\_1429 Micromonospora sp. L5

BACT\_850 Parabacteroides distasonis ATCC 8503

BACT\_1329 Burkholderia sp. Ch1-1

BACT\_973 Rhodobacterales bacterium HTCC2654

BACT\_619 Haemophilus somnus 2336

BACT\_600 Geobacter sp. M18

BACT\_1071 Shigella sp. D9

BACT\_460 Deinococcus deserti VCD115

BACT\_146 Bacillus mycoides Rock1-4

BACT\_1047 Sanguibacter keddieii DSM 10542

BACT\_72 Anaeromyxobacter sp. Fw109-5

BACT\_539 Eubacterium rectale ATCC 33656

BACT\_346 Chlamydophila caviae GPIC

BACT\_901 Prochlorococcus marinus str. MIT 9215

BACT\_1161 Synechococcus sp. WH 7803

BACT\_533 Escherichia sp. 3\_2\_53FAA

BACT\_340 Chlamydia muridarum Nigg

BACT\_1091 Staphylococcus capitis SK14

BACT\_143 Bacillus halodurans C-125

BACT\_121 Bacillus cereus F65185

BACT\_309 Candidatus Carsonella ruddii PV

BACT\_762 Microcoleus chthonoplastes PCC 7420

BACT\_1409 Lactobacillus amylolyticus DSM 11664

BACT\_1204 Treponema pallidum subsp. pallidum SS14

BACT\_177 Bacteroides eggerthii DSM 20697

BACT\_1183 Thermobifida fusca YX

BACT\_360 Chromobacterium violaceum ATCC 12472

BACT\_1382 Escherichia coli MS 69-1

BACT\_244 Bradyrhizobium sp. BTAi1

BACT\_311 Candidatus Desulfococcus oleovorans Hxd3

BACT\_46 Aggregatibacter aphrophilus NJ8700

BACT\_1068 Shigella boydii CDC 3083-94

BACT\_1118 Streptococcus sp. 2\_1\_36FAA

BACT\_304 Candidatus Accumulibacter phosphatis clade IIA str. UW-1

BACT\_1002 Roseburia inulinivorans DSM 16841

BACT\_172 Bacteroides capillosus ATCC 29799

BACT\_144 Bacillus licheniformis ATCC 14580

BACT\_1359 Enterococcus faecium E980

BACT\_288 Campylobacter gracilis RM3268

BACT\_1113 Streptococcus mutans UA159

BACT\_445 Cryptobacterium curtum DSM 15641

BACT\_1511 Staphylococcus epidermidis M23864:W2(grey)

BACT\_1309 Bacillus cereus SJ1

BACT\_1318 Bacteroides sp. D22

BACT\_956 Renibacterium salmoninarum ATCC 33209

BACT\_928 Pseudomonas putida GB-1

BACT\_819 Nitrosomonas europaea ATCC 19718

BACT\_470 Desulfonatronospira thiodismutans ASO3-1

BACT\_413 Clostridium sp. SS2/1

BACT\_1182 Thermobaculum terrenum ATCC BAA-798

BACT\_237 Borrelia recurrentis A1

BACT\_1266 Xylella fastidiosa Dixon

BACT\_151 Bacillus sp. SG-1

BACT\_682 Lactobacillus rhamnosus LMS2-1

BACT\_734 Marinitoga piezophila KA3

BACT\_1278 Yersinia pestis Pestoides A

BACT\_99 Bacillus cereus 03BB108

BACT\_1175 Thermoanaerobacter italicus Ab9

BACT\_157 Bacillus thuringiensis serovar berliner ATCC 10792

BACT\_684 Lactobacillus sakei subsp. sakei 23K

BACT\_345 Chlamydophila abortus S26/3

BACT\_1007 Roseobacter sp. AzwK-3b

BACT\_1155 Synechococcus sp. PCC 7002

BACT\_1300 Acinetobacter sp. SH024

BACT\_818 Nitrococcus mobilis Nb-231

BACT\_379 Clostridium botulinum Bf

BACT\_77 Anaplasma phagocytophilum HZ

BACT\_1446 Parascardovia denticolens F0305

BACT\_78 Anoxybacillus flavithermus WK1

BACT\_642 Hyphomonas neptunium ATCC 15444

BACT\_634 Heliobacterium modesticaldum Ice1

BACT\_253 Brucella melitensis ATCC 23457

BACT\_1103 Streptococcus agalactiae 515

BACT\_1523 Streptomyces sp. e14

BACT\_1195 Thermotoga petrophila RKU-1

BACT\_857 Pasteurella dagmatis ATCC 43325

BACT\_410 Clostridium sp. 7\_2\_43FAA

BACT\_972 Rhodobacterales bacterium HTCC2255

BACT\_507 Enhydrobacter aerosaccus SK60

BACT\_407 Clostridium phytofermentans ISDg

BACT\_1438 Mycoplasma alligatoris A21JP2

BACT\_10 Acidimicrobium ferrooxidans DSM 10331

BACT\_1338 Clostridium lentocellum DSM 5427

BACT\_213 Bifidobacterium breve DSM 20213

BACT\_1326 Bulleidia extructa W1219

BACT\_1143 Sulfurihydrogenibium yellowstonense SS-5

BACT\_1203 Treponema denticola ATCC 35405

BACT\_504 Eikenella corrodens ATCC 23834

BACT\_1619 Propionibacterium freudenreichii subsp. shermanii CIRM-BIA1

BACT\_1498 Staphylococcus aureus subsp. aureus C427

BACT\_1335 Citromicrobium bathyomarinum JL354

BACT\_175 Bacteroides coprophilus DSM 18228

BACT\_517 Enterococcus faecium TX1330

BACT\_1564 Caulobacter segnis ATCC 21756

BACT\_1428 Micrococcus luteus SK58

BACT\_14 Acidobacterium capsulatum ATCC 51196

BACT\_1243 Vibrio splendidus LGP32

BACT\_1396 Frankia symbiont of Datisca glomerata

BACT\_1441 Neisseria polysaccharea ATCC 43768

BACT\_1102 Streptococcus agalactiae 18RS21

BACT\_870 Pelotomaculum thermopropionicum SI

BACT\_148 Bacillus selenitireducens MLS10

BACT\_723 Macrococcus caseolyticus JCSC5402

BACT\_1013 Roseovarius sp. 217

BACT\_653 Klebsiella pneumoniae subsp. rhinoscleromatis ATCC 13884

BACT\_1245 Vibrionales bacterium SWAT-3

BACT\_1199 Thiobacillus denitrificans ATCC 25259

BACT\_1407 Klebsiella sp. 1\_1\_55

BACT\_130 Bacillus cereus R309803

BACT\_264 Burkholderia ambifaria IOP40-10

BACT\_467 Desulfobacterium autotrophicum HRM2

BACT\_1149 Synechococcus sp. BL107

BACT\_548 Fibrobacter succinogenes subsp. succinogenes S85

BACT\_1541 Aminobacterium colombiense DSM 12261

BACT\_767 Mobiluncus curtisii ATCC 43063

BACT\_1229 Vibrio fischeri MJ11

BACT\_68 Anaerococcus tetradius ATCC 35098

BACT\_214 Bifidobacterium catenulatum DSM 16992

BACT\_1608 Moraxella catarrhalis RH4

BACT\_458 Dehalococcoides sp. CBDB1

BACT\_38 Actinomyces odontolyticus ATCC 17982

BACT\_1093 Staphylococcus epidermidis RP62A

BACT\_1144 Sulfurimonas denitrificans DSM 1251

BACT\_578 Fusobacterium varium ATCC 27725

BACT\_528 Escherichia coli 83972

BACT\_713 Listeria monocytogenes FSL R2-503

BACT\_826 Nodularia spumigena CCY9414

BACT\_434 Corynebacterium lipophiloflavum DSM 44291

BACT\_1123 Streptomyces avermitilis MA-4680

BACT\_69 Anaerococcus vaginalis ATCC 51170

BACT\_945 Psychroflexus torquis ATCC 700755

BACT\_140 Bacillus clausii KSM-K16

BACT\_1181 Thermoanaerobacterium thermosaccharolyticum DSM 571

BACT\_630 Helicobacter pylori 98-10

BACT\_482 Desulfovibrio vulgaris subsp. vulgaris str. Hildenborough

BACT\_1324 Brevibacterium mcbrellneri ATCC 49030

BACT\_1184 Thermodesulfovibrio yellowstonii DSM 11347

BACT\_1500 Staphylococcus aureus subsp. aureus EMRSA16

BACT\_593 Geobacillus sp. Y412MC52

BACT\_1174 Thermoanaerobacter ethanolicus CCSD1

BACT\_615 Haemophilus ducreyi 35000HP

BACT\_921 Pseudomonas aeruginosa LESB58

BACT\_481 Desulfovibrio vulgaris subsp. vulgaris DP4

BACT\_991 Rickettsia endosymbiont of Ixodes scapularis

BACT\_1242 Vibrio splendidus 12B01

BACT\_849 Pantoea sp. At-9b

BACT\_56 Alkaliphilus oremlandii OhILAs

BACT\_1577 Dehalogenimonas lykanthroporepellens BL-DC-9

BACT\_1008 Roseobacter sp. CCS2

BACT\_1509 Staphylococcus aureus subsp. aureus WBG10049

BACT\_657 Kribbella flavida DSM 17836

BACT\_136 Bacillus cereus Rock4-18

BACT\_810 Neisseria subflava NJ9703

BACT\_524 Erythrobacter litoralis HTCC2594

BACT\_1610 Mycoplasma crocodyli MP145

BACT\_400 Clostridium perfringens ATCC 13124

BACT\_359 Chloroherpeton thalassium ATCC 35110

BACT\_1062 Shewanella piezotolerans WP3

BACT\_834 Oceanobacillus iheyensis HTE831

BACT\_343 Chlamydia muridarum Weiss

BACT\_76 Anaplasma marginale str. Florida

BACT\_1247 Weissella paramesenteroides ATCC 33313

BACT\_373 Clostridium beijerinckii NCIMB 8052

BACT\_1281 Yersinia ruckeri ATCC 29473

BACT\_848 Paenibacillus larvae subsp. larvae BRL-230010

BACT\_1443 Oenococcus oeni AWRIB429

BACT\_802 Neisseria cinerea ATCC 14685

BACT\_768 Mobiluncus mulieris ATCC 35243

BACT\_306 Candidatus Azobacteroides pseudotrichonymphae genomovar. CFP2

BACT\_225 Blautia hydrogenotrophica DSM 10507

BACT\_255 Brucella neotomae 5K33

BACT\_16 Acidovorax avenae subsp. citrulli AAC00-1

BACT\_822 Nitrosospira multiformis ATCC 25196

BACT\_1272 Yersinia kristensenii ATCC 33638

BACT\_1651 Xenorhabdus nematophila ATCC 19061

BACT\_251 Brucella ceti M644/93/1

BACT\_1411 Lactobacillus crispatus 214-1

BACT\_206 Beijerinckia indica subsp. indica ATCC 9039

BACT\_457 Dehalococcoides ethenogenes 195

BACT\_1084 Sphingomonas sp. SKA58

BACT\_203 Bdellovibrio bacteriovorus HD100

BACT\_1317 Bacteroides sp. D20

BACT\_1219 Vibrio cholera CIRS 101

BACT\_1628 Shewanella violacea DSS12

BACT\_104 Bacillus cereus AH1273

BACT\_843 Oribacterium sp. oral taxon 078 str. F0262

BACT\_483 Desulfurivibrio alkaliphilus AHT2

BACT\_437 Corynebacterium striatum ATCC 6940

BACT\_280 Burkholderia vietnamiensis G4

BACT\_984 Rhodospirillum centenum SW

BACT\_756 Methylococcus capsulatus str. Bath

BACT\_112 Bacillus cereus ATCC 14579

BACT\_1316 Bacteroides sp. 3\_1\_23

BACT\_512 Enterococcus faecalis ATCC 29200

BACT\_804 Neisseria flavescens SK114

BACT\_436 Corynebacterium pseudogenitalium ATCC 33035

BACT\_964 Rhizobium leguminosarum bv. trifolii WSM1325

BACT\_1583 Erwinia amylovora ATCC 49946

BACT\_1100 Stigmatella aurantiaca DW4/3-1

BACT\_1226 Vibrio cholerae NCTC 8457

BACT\_234 Borrelia garinii PBi

BACT\_1186 Thermomonospora curvata DSM 43183

BACT\_702 Leptotrichia hofstadii F0254

BACT\_204 Beggiatoa sp. PS

BACT\_19 Acinetobacter baumannii AB0057

BACT\_895 Prevotella oris F0302

BACT\_908 Prochlorococcus marinus subsp. marinus str. CCMP1375

BACT\_799 Nakamurella multipartita DSM 44233

BACT\_198 Bartonella grahamii as4aup

BACT\_412 Clostridium sp. M62/1

BACT\_1020 Ruminococcus flavefaciens FD-1

BACT\_1444 Oscillatoria sp. PCC 6506

BACT\_823 Nocardia farcinica IFM 10152

BACT\_637 Hirschia baltica ATCC 49814

BACT\_584 Gardnerella vaginalis ATCC 14019

BACT\_575 Fusobacterium sp. D11

BACT\_917 Providencia stuartii ATCC 25827

BACT\_21 Acinetobacter baumannii ATCC 17978

BACT\_1405 Haemophilus influenzae HK1212

BACT\_1350 Enterococcus faecalis R712

BACT\_1529 Vibrio alginolyticus 40B

BACT\_1178 Thermoanaerobacter sp. X514

BACT\_1626 Salinibacter ruber

BACT\_1522 Streptomyces sp. ACTE

BACT\_135 Bacillus cereus Rock3-44

BACT\_275 Burkholderia sp. 383

BACT\_44 Aeromonas salmonicida subsp. salmonicida A449

BACT\_946 Psychromonas ingrahamii 37

BACT\_1469 Pseudomonas syringae pv. tomato Max13

BACT\_777 Mycobacterium kansasii ATCC 12478

BACT\_687 Lactococcus lactis subsp. cremoris MG1363

BACT\_335 Caulobacter crescentus NA1000

BACT\_1374 Escherichia coli MS 182-1

BACT\_1015 Roseovarius sp. TM1035

BACT\_492 Dictyoglomus turgidum DSM 6724

BACT\_1510 Staphylococcus aureus subsp. aureus WW2703/97

BACT\_1585 Erwinia billingiae Eb661

BACT\_409 Clostridium scindens ATCC 35704

BACT\_1172 Thermanaerovibrio acidaminovorans DSM 6589

BACT\_339 Chitinophaga pinensis DSM 2588

BACT\_639 Holdemania filiformis DSM 12042

BACT\_1038 Salmonella enterica subsp. enterica serovar Hadar str. RI\_05P066

BACT\_1257 Xanthobacter autotrophicus Py2

BACT\_1056 Shewanella denitrificans OS217

BACT\_18 Acidovorax sp. JS42

BACT\_1575 Deferribacter desulfuricans SSM1

BACT\_1003 Roseiflexus castenholzii DSM 13941

BACT\_816 Nitrobacter sp. Nb-311A

BACT\_411 Clostridium sp. L2-50

BACT\_1472 Raphidiopsis brookii D9

BACT\_354 Chlorobium phaeobacteroides DSM 266

BACT\_1579 Desulfarculus baarsii DSM 2075

BACT\_535 Eubacterium biforme DSM 3989

BACT\_87 Aster yellows witches'-broom phytoplasma AYWB

BACT\_1042 Salmonella enterica subsp. enterica serovar Saintpaul str. SARA29

BACT\_495 Dorea formicigenerans ATCC 27755

BACT\_82 Arthrobacter aurescens TC1

BACT\_417 Clostridium thermocellum DSM 2360

BACT\_141 Bacillus coagulans 36D1

BACT\_778 Mycobacterium leprae TN

BACT\_194 Bacteroides stercoris ATCC 43183

BACT\_1368 Escherichia coli MS 115-1

BACT\_842 Oribacterium sinus F0268

BACT\_443 Crocosphaera watsonii WH 8501

BACT\_1454 Prevotella bryantii B14

BACT\_1267 Yersinia aldovae ATCC 35236

BACT\_348 Chlamydophila pneumoniae CWL029

BACT\_259 Bryantella formatexigens DSM 14469

BACT\_793 Mycoplasma mycoides subsp. mycoides SC str. PG1

BACT\_844 Orientia tsutsugamushi Boryong

BACT\_1222 Vibrio cholerae B33

BACT\_864 Pedobacter heparinus DSM 2366

BACT\_1313 Bacteroides sp. 1\_1\_14

BACT\_1016 Rothia mucilaginosa ATCC 25296

BACT\_1120 Streptococcus thermophilus LMD-9

BACT\_1515 Streptococcus pneumoniae str. Canada MDR\_19A

BACT\_1476 Roseomonas cervicalis ATCC 49957

BACT\_1345 Desulfovibrio aespoeensis Aspo-2

BACT\_1616 Pirellula staleyi DSM 6068

BACT\_1275 Yersinia pestis biovar Mediaevalis str. K1973002

BACT\_821 Nitrosomonas sp. AL212

BACT\_911 Prosthecochloris aestuarii DSM 271

BACT\_1325 Brucella sp. NVSL 07-0026

BACT\_975 Rhodococcus jostii RHA1

BACT\_529 Escherichia coli O157:H7 str. EC4024

BACT\_1306 Arthrospira sp. PCC 8005

BACT\_1069 Shigella flexneri 2a str. 301

BACT\_375 Clostridium botulinum A2 str. Kyoto

BACT\_168 Bacillus thuringiensis str. Al Hakam

BACT\_1506 Staphylococcus aureus subsp. aureus MR1

BACT\_527 Escherichia albertii TW07627

BACT\_1152 Synechococcus sp. CC9902

BACT\_788 Mycoplasma capricolum subsp. capricolum ATCC 27343

BACT\_486 Dethiosulfovibrio peptidovorans DSM 11002

BACT\_236 Borrelia hermsii DAH

BACT\_1367 Escherichia coli MS 107-1

BACT\_319 Candidatus Phytoplasma mali

BACT\_1525 Turicibacter sp. PC909

BACT\_1333 Chlamydia muridarum MopnTet14

BACT\_142 Bacillus coahuilensis m4-4

BACT\_31 Acinetobacter sp. ATCC 27244

BACT\_646 Jannaschia sp. CCS1

BACT\_438 Corynebacterium tuberculostearicum SK141

BACT\_274 Burkholderia pseudomallei S13

BACT\_1234 Vibrio mimicus VM573

BACT\_977 Rhodoferax ferrireducens T118

BACT\_783 Mycobacterium tuberculosis str. Haarlem

BACT\_1012 Roseovarius nubinhibens ISM

BACT\_1433 Mycobacterium tuberculosis 210

BACT\_812 Neorickettsia sennetsu str. Miyayama

BACT\_94 Azorhizobium caulinodans ORS 571

BACT\_966 Rhizobium sp. NGR234

BACT\_724 Magnetococcus sp. MC-1

BACT\_914 Providencia alcalifaciens DSM 30120

BACT\_759 Methylotenera mobilis JLW8

BACT\_952 Ralstonia solanacearum GMI1000

BACT\_326 Capnocytophaga ochracea DSM 7271

BACT\_993 Rickettsia massiliae MTU5

BACT\_1621 Ralstonia solanacearum PSI07

BACT\_1559 Burkholderia sp. CCGE1002

BACT\_703 Leuconostoc citreum KM20

BACT\_1653 Zunongwangia profunda SM-A87

BACT\_209 Beutenbergia cavernae DSM 12333

BACT\_286 Campylobacter concisus 13826

BACT\_1552 Bacillus thuringiensis BMB171

BACT\_1517 Streptococcus sp. M143

BACT\_744 Mesorhizobium sp. BNC1

BACT\_279 Burkholderia ubonensis Bu

BACT\_404 Clostridium perfringens D str. JGS1721

BACT\_516 Enterococcus faecium DO

BACT\_1228 Vibrio coralliilyticus ATCC BAA-450

BACT\_950 Ralstonia eutropha JMP134

BACT\_883 Plesiocystis pacifica SIR-1

BACT\_919 Pseudoalteromonas tunicata D2

BACT\_235 Borrelia garinii PBr

BACT\_1030 Salinispora arenicola CNS-205

BACT\_1263 Xanthomonas oryzae pv. oryzae PXO99A

BACT\_134 Bacillus cereus Rock3-42

BACT\_103 Bacillus cereus AH1271

BACT\_1187 Thermosinus carboxydivorans Nor1

BACT\_1076 Sinorhizobium meliloti 1021

BACT\_1248 Wigglesworthia glossinidia endosymbiont of Glossina brevipalpis

BACT\_1545 Arcanobacterium haemolyticum DSM 20595

BACT\_1057 Shewanella frigidimarina NCIMB 400

BACT\_1386 Ethanoligenens harbinense YUAN-3

BACT\_60 Alteromonadales bacterium TW-7

BACT\_399 Clostridium papyrosolvens DSM 2782

BACT\_1634 Staphylococcus aureus subsp. aureus ED98

BACT\_70 Anaerofustis stercorihominis DSM 17244

BACT\_308 Candidatus Blochmannia pennsylvanicus str. BPEN

BACT\_963 Rhizobium etli Kim 5

BACT\_932 Pseudomonas stutzeri A1501

BACT\_892 Prevotella bergensis DSM 17361

BACT\_1534 Xanthomonas fuscans subsp. aurantifolii str. ICPB 10535

BACT\_1140 Sulfitobacter sp. NAS-14.1

BACT\_1455 Prevotella buccae D17

BACT\_232 Borrelia duttonii Ly

BACT\_1221 Vibrio cholerae 623-39

BACT\_526 Erythrobacter sp. SD-21

BACT\_64 Anaerocellum thermophilum DSM 6725

BACT\_841 Opitutus terrae PB90-1

BACT\_686 Lactobacillus vaginalis ATCC 49540

BACT\_192 Bacteroides sp. D2

BACT\_357 Chloroflexus aurantiacus J-10-fl

BACT\_1286 Streptomyces sp. Mg1

BACT\_119 Bacillus cereus BGSC 6E1

BACT\_1321 Bacteroides xylanisolvens SD CC 1b

BACT\_422 Comamonas testosteroni KF-1

BACT\_988 Rickettsia bellii OSU 85-389

BACT\_1280 Yersinia rohdei ATCC 43380

BACT\_1121 Streptococcus uberis 0140J

BACT\_1250 Wolbachia endosymbiont of Drosophila melanogaster

BACT\_983 Rhodopseudomonas palustris TIE-1

BACT\_827 Nostoc punctiforme PCC 73102

BACT\_574 Fusobacterium sp. 7\_1

BACT\_1408 Ktedonobacter racemifer DSM 44963

BACT\_941 Pseudovibrio sp. JE062

BACT\_432 Corynebacterium glutamicum R

BACT\_1026 Saccharomonospora viridis DSM 43017

BACT\_1420 Lactobacillus salivarius ACS-116-V-Col5a

BACT\_1151 Synechococcus sp. CC9605

BACT\_1255 Wolbachia sp. wRi

BACT\_971 Rhodobacterales bacterium HTCC2150

BACT\_858 Pasteurella multocida subsp. multocida str. Pm70

BACT\_577 Fusobacterium ulcerans ATCC 49185

BACT\_440 Coxiella burnetii Dugway 5J108-111

BACT\_171 Bacteroides caccae ATCC 43185

BACT\_74 Anaerostipes caccae DSM 14662

BACT\_53 Alistipes putredinis DSM 17216

BACT\_1079 Sodalis glossinidius str. 'morsitans'

BACT\_473 Desulfotomaculum reducens MI-1

BACT\_701 Leptotrichia goodfellowii F0264

BACT\_131 Bacillus cereus Rock1-15

BACT\_39 Actinomyces sp. oral taxon 848 str. F0332

BACT\_95 Azotobacter vinelandii DJ

BACT\_879 Photorhabdus asymbiotica

BACT\_835 Ochrobactrum intermedium LMG 3301

BACT\_985 Rhodospirillum rubrum ATCC 11170

BACT\_1095 Staphylococcus hominis SK119

BACT\_271 Burkholderia mallei ATCC 10399

BACT\_29 Acinetobacter radioresistens SK82

BACT\_897 Prevotella tannerae ATCC 51259

BACT\_493 Dinoroseobacter shibae DFL 12

BACT\_451 Cyanothece sp. PCC 7425

BACT\_1225 Vibrio cholerae MZO-3

BACT\_1358 Enterococcus faecium E1679

BACT\_1614 Olsenella uli DSM 7084

BACT\_801 Nautilia profundicola AmH

BACT\_314 Candidatus Hodgkinia cicadicola Dsem

BACT\_1055 Shewanella benthica KT99

BACT\_1094 Staphylococcus haemolyticus JCSC1435

BACT\_846 Oxalobacter formigenes HOxBLS

BACT\_397 Clostridium nexile DSM 1787

BACT\_224 Blautia hansenii DSM 20583

BACT\_774 Mycobacterium bovis BCG str. Pasteur 1173P2

BACT\_586 Gemmata obscuriglobus UQM 2246

BACT\_13 Acidithiobacillus ferrooxidans ATCC 23270

BACT\_162 Bacillus thuringiensis serovar pakistani str. T13001

BACT\_491 Dictyoglomus thermophilum H-6-12

BACT\_295 Campylobacter lari RM2100

BACT\_24 Acinetobacter baumannii SDF

BACT\_635 Herminiimonas arsenicoxydans

BACT\_1059 Shewanella loihica PV-4

BACT\_775 Mycobacterium gilvum PYR-GCK

BACT\_1227 Vibrio cholerae RC385

BACT\_1403 Geobacillus thermoglucosidasius C56-YS93

BACT\_817 Nitrobacter winogradskyi Nb-255

BACT\_1439 Neisseria elongata subsp. glycolytica ATCC 29315

BACT\_293 Campylobacter jejuni subsp. jejuni HB93-13

BACT\_1606 Methylotenera sp. 301

BACT\_715 Listeria monocytogenes HPB2262

BACT\_6 Acaryochloris marina MBIC11017

BACT\_556 Flavobacterium psychrophilum JIP02/86

BACT\_292 Campylobacter jejuni subsp. jejuni BH-01-0142

BACT\_1054 Shewanella baltica OS195

BACT\_11 Acidiphilium cryptum JF-5

BACT\_851 Parabacteroides johnsonii DSM 18315

BACT\_1145 Sulfurospirillum deleyianum DSM 6946

BACT\_1130 Streptomyces lividans TK24

BACT\_351 Chlorobium ferrooxidans DSM 13031

BACT\_1655 Brucella abortus bv. 5 str. B3196

BACT\_543 Exiguobacterium sibiricum 255-15

BACT\_707 Listeria monocytogenes FSL F2-515

BACT\_519 Epulopiscium sp. 'N.t. morphotype B'

BACT\_1092 Staphylococcus carnosus subsp. carnosus TM300

BACT\_387 Clostridium carboxidivorans P7

BACT\_735 Marinobacter algicola DG893

BACT\_631 Helicobacter pylori B128

BACT\_711 Listeria monocytogenes FSL J2-064

BACT\_694 Leifsonia xyli subsp. xyli str. CTCB07

BACT\_1189 Thermosipho melanesiensis BI429

BACT\_257 Brucella sp. F5/99

BACT\_970 Rhodobacterales bacterium HTCC2083

BACT\_180 Bacteroides intestinalis DSM 17393

BACT\_405 Clostridium perfringens E str. JGS1987

BACT\_796 Mycoplasma pulmonis UAB CTIP

BACT\_1381 Escherichia coli MS 45-1

BACT\_282 Butyrivibrio crossotus DSM 2876

BACT\_316 Candidatus Liberibacter asiaticus str. psy62

BACT\_273 Burkholderia oklahomensis EO147

BACT\_1163 Synechococcus sp. WH 8102

BACT\_291 Campylobacter jejuni subsp. doylei 269.97

BACT\_1562 Candidatus Riesia pediculicola USDA

BACT\_113 Bacillus cereus ATCC 4342

BACT\_614 Grimontia hollisae CIP 101886

BACT\_33 Actinobacillus minor NM305

BACT\_670 Lactobacillus gasseri JV-V03

BACT\_403 Clostridium perfringens CPE str. F4969

BACT\_431 Corynebacterium glucuronolyticum ATCC 51866

BACT\_786 Mycoplasma agalactiae PG2

BACT\_449 Cyanothece sp. CCY0110

BACT\_954 Ralstonia solanacearum UW551

BACT\_894 Prevotella melaninogenica ATCC 25845

BACT\_1512 Staphylococcus epidermidis SK135

BACT\_1440 Neisseria gonorrhoeae F62

BACT\_371 Clostridium asparagiforme DSM 15981

BACT\_1549 Bacillus megaterium DSM319

BACT\_741 Mesoplasma florum L1

BACT\_854 Parvibaculum lavamentivorans DS-1

BACT\_592 Geobacillus sp. Y412MC10

BACT\_1595 Lactobacillus crispatus ST1

BACT\_872 Petrotoga mobilis SJ95

BACT\_752 Methylobacterium populi BJ001

BACT\_776 Mycobacterium intracellulare ATCC 13950

BACT\_689 Laribacter hongkongensis HLHK9

BACT\_1249 Wolbachia endosymbiont of Drosophila ananassae

BACT\_1060 Shewanella oneidensis MR-1

BACT\_1547 Azospirillum sp. B510

BACT\_588 Geobacillus kaustophilus HTA426

BACT\_1641 Syntrophothermus lipocalidus DSM 12680

BACT\_372 Clostridium bartlettii DSM 16795

BACT\_825 Nocardiopsis dassonvillei subsp. dassonvillei DSM 43111

BACT\_165 Bacillus thuringiensis serovar sotto str. T04001

BACT\_1604 Listeria seeligeri serovar 1/2b str. SLCC3954

BACT\_753 Methylobacterium radiotolerans JCM 2831

BACT\_754 Methylobacterium sp. 4-46

BACT\_199 Bartonella henselae str. Houston-1

BACT\_1357 Enterococcus faecium E1636

BACT\_9 Acidaminococcus sp. D21

BACT\_878 Photobacterium sp. SKA34

BACT\_893 Prevotella copri DSM 18205

BACT\_1077 Slackia exigua ATCC 700122

BACT\_219 Bifidobacterium longum subsp. infantis ATCC 15697

BACT\_272 Burkholderia multivorans ATCC 17616

BACT\_1185 Thermomicrobium roseum DSM 5159

BACT\_1458 Prevotella oris C735

BACT\_969 Rhodobacteraceae bacterium KLH11

BACT\_1470 Pseudomonas syringae pv. tomato NCPPB 1108

BACT\_289 Campylobacter hominis ATCC BAA-381

BACT\_368 Clavibacter michiganensis subsp. michiganensis NCPPB 382

BACT\_861 Pectobacterium carotovorum subsp. carotovorum PC1

BACT\_1141 Sulfurihydrogenibium azorense Az-Fu1

BACT\_981 Rhodopseudomonas palustris BisB5

BACT\_1216 Verrucomicrobiae bacterium DG1235

BACT\_61 Ammonifex degensii KC4

BACT\_920 Pseudomonas aeruginosa 2192

BACT\_781 Mycobacterium sp. JLS

BACT\_1220 Vibrio cholerae 1587

BACT\_876 Photobacterium profundum 3TCK

BACT\_714 Listeria monocytogenes HCC23

BACT\_498 Edwardsiella ictaluri 93-146

BACT\_1402 Gardnerella vaginalis AMD

BACT\_1588 Geobacillus sp. C56-T3

BACT\_1207 Tropheryma whipplei str. Twist

BACT\_433 Corynebacterium kroppenstedtii DSM 44385

BACT\_839 Onion yellows phytoplasma OY-M

BACT\_1426 Megasphaera genomosp. type\_1 str. 28L

BACT\_276 Burkholderia sp. H160

BACT\_555 Flavobacterium johnsoniae UW101

BACT\_477 Desulfovibrio piger ATCC 29098

BACT\_674 Lactobacillus jensenii 1153

BACT\_643 Idiomarina baltica OS145

BACT\_426 Coprothermobacter proteolyticus DSM 5265

BACT\_831 Oceanicaulis alexandrii HTCC2633

BACT\_1236 Vibrio shilonii AK1

BACT\_126 Bacillus cereus m1550

BACT\_1481 Serratia odorifera 4Rx13

BACT\_726 Magnetospirillum magnetotacticum MS-1

BACT\_297 Campylobacter showae RM3277

BACT\_1037 Salmonella enterica subsp. enterica serovar Gallinarum str. 287/91

BACT\_1197 Thermus aquaticus Y51MC23

BACT\_885 Polaribacter sp. MED152

BACT\_1340 Comamonas testosteroni S44

BACT\_1150 Synechococcus sp. CC9311

BACT\_1073 Sideroxydans lithotrophicus ES-1

BACT\_1190 Thermosynechococcus elongatus BP-1

BACT\_1282 Zymomonas mobilis subsp. mobilis ATCC 10988

BACT\_201 Bartonella tribocorum CIP 105476

BACT\_396 Clostridium methylpentosum DSM 5476

BACT\_570 Fusobacterium sp. 3\_1\_33

BACT\_992 Rickettsia felis URRWXCal2

BACT\_710 Listeria monocytogenes FSL J1-208

BACT\_538 Eubacterium hallii DSM 3353

BACT\_655 Kordia algicida OT-1

BACT\_961 Rhizobium etli GR56

BACT\_942 Psychrobacter arcticus 273-4

BACT\_1548 Bacillus anthracis CI

BACT\_1289 Achromobacter piechaudii ATCC 43553

BACT\_856 Parvularcula bermudensis HTCC2503

BACT\_1503 Staphylococcus aureus subsp. aureus M809

BACT\_1573 Cupriavidus metallidurans CH34

BACT\_401 Clostridium perfringens B str. ATCC 3626

BACT\_66 Anaerococcus lactolyticus ATCC 51172

BACT\_1237 Vibrio sp. AND4

BACT\_934 Pseudomonas syringae pv. oryzae str. 1\_6

BACT\_496 Dorea longicatena DSM 13814

BACT\_1171 Thauera sp. MZ1T

BACT\_200 Bartonella quintana str. Toulouse

BACT\_398 Clostridium novyi NT

BACT\_1365 Escherichia coli FVEC1302

BACT\_904 Prochlorococcus marinus str. MIT 9312

BACT\_26 Acinetobacter johnsonii SH046

BACT\_889 Porphyromonas endodontalis ATCC 35406

BACT\_1053 Shewanella amazonensis SB2B

BACT\_1109 Streptococcus equi subsp. equi 4047

BACT\_1473 Rhodococcus equi ATCC 33707

BACT\_797 Mycoplasma synoviae 53

BACT\_1567 Clostridiales genomosp. BVAB3 str. UPII9-5

BACT\_1139 Subdoligranulum variabile DSM 15176

BACT\_773 Mycobacterium avium

BACT\_1193 Thermotoga naphthophila RKU-10

BACT\_152 Bacillus subtilis subsp. subtilis str. NCIB 3610

BACT\_1198 Thermus thermophilus HB27

BACT\_332 Catenibacterium mitsuokai DSM 15897

BACT\_1097 Staphylococcus warneri L37603

BACT\_117 Bacillus cereus BDRD-ST24

BACT\_1138 Streptosporangium roseum DSM 43021

BACT\_1298 Acinetobacter sp. 6013150

BACT\_393 Clostridium hylemonae DSM 15053

BACT\_924 Pseudomonas fluorescens Pf0-1

BACT\_537 Eubacterium eligens ATCC 27750

BACT\_1526 Veillonella parvula ATCC 17745

BACT\_212 Bifidobacterium bifidum NCIMB 41171

BACT\_1006 Roseobacter litoralis Och 149

BACT\_246 Brevibacillus brevis NBRC 100599

BACT\_994 Rickettsia peacockii str. Rustic

BACT\_962 Rhizobium etli IE4771

BACT\_1051 Selenomonas sputigena ATCC 35185

BACT\_828 Nostoc sp. PCC 7120

BACT\_1132 Streptomyces sp. AA4

BACT\_1437 Mycobacterium tuberculosis KZN V2475

BACT\_1107 Streptococcus agalactiae NEM316

BACT\_1375 Escherichia coli MS 185-1

BACT\_976 Rhodococcus opacus B4

BACT\_1133 Streptomyces sp. C

BACT\_441 Coxiella burnetii RSA 334

BACT\_980 Rhodopseudomonas palustris BisB18

BACT\_673 Lactobacillus iners DSM 13335

BACT\_1452 Photobacterium damselae subsp. damselae CIP 102761

BACT\_594 Geobacillus sp. Y412MC61

BACT\_1211 Ureaplasma parvum serovar 6 str. ATCC 27818

BACT\_1601 Leuconostoc kimchii IMSNU 11154

BACT\_1497 Staphylococcus aureus subsp. aureus C160

BACT\_485 Dethiobacter alkaliphilus AHT 1

BACT\_837 Octadecabacter antarcticus 307

BACT\_1274 Yersinia pestis biovar Antiqua str. E1979001

BACT\_419 Collinsella intestinalis DSM 13280

BACT\_108 Bacillus cereus AH676

BACT\_654 Kocuria rhizophila DC2201

BACT\_394 Clostridium kluyveri DSM 555

BACT\_1561 Candidatus Puniceispirillum marinum IMCC1322

BACT\_554 Flavobacteriales bacterium HTCC2170

BACT\_633 Helicobacter winghamensis ATCC BAA-430

BACT\_599 Geobacter sp. FRC-32

BACT\_1342 Corynebacterium resistens DSM 45100

BACT\_887 Polaromonas sp. JS666

BACT\_1018 Ruegeria pomeroyi DSS-3

BACT\_1269 Yersinia enterocolitica subsp. enterocolitica 8081

BACT\_124 Bacillus cereus H3081.97

BACT\_1461 Prevotella timonensis CRIS 5C-B1

BACT\_1581 Edwardsiella tarda EIB202

BACT\_721 Lyngbya sp. PCC 8106

BACT\_871 Persephonella marina EX-H1

BACT\_690 Lawsonia intracellularis PHE/MN1-00

BACT\_873 Phaeobacter gallaeciensis BS107

BACT\_154 Bacillus thuringiensis IBL 200

BACT\_163 Bacillus thuringiensis serovar pondicheriensis BGSC 4BA1

BACT\_442 Croceibacter atlanticus HTCC2559

BACT\_1625 Ruegeria sp. TM1040

BACT\_1173 Thermoanaerobacter brockii subsp. finnii Ako-1

BACT\_1304 Aggregatibacter actinomycetemcomitans D7S-1

BACT\_1592 Hydrogenobacter thermophilus TK-6

BACT\_1646 Thioalkalivibrio sp. K90mix

BACT\_1370 Escherichia coli MS 119-7

BACT\_388 Clostridium cellulolyticum H10

BACT\_380 Clostridium botulinum C str. Eklund

BACT\_71 Anaeromyxobacter dehalogenans 2CP-1

BACT\_5 Abiotrophia defectiva ATCC 49176

BACT\_1080 Solibacter usitatus Ellin6076

BACT\_784 Mycobacterium ulcerans Agy99

BACT\_677 Lactobacillus jensenii SJ-7A-US

BACT\_1349 Enterococcus faecalis PC1.1

BACT\_1378 Escherichia coli MS 198-1

BACT\_923 Pseudomonas fluorescens Pf-5

BACT\_1387 Filifactor alocis ATCC 35896

BACT\_324 Candidatus Vesicomyosocius okutanii HA

BACT\_1385 Escherichia coli OP50

BACT\_425 Coprococcus eutactus ATCC 27759

BACT\_758 Methylophilales bacterium HTCC2181

BACT\_1075 Sinorhizobium medicae WSM419

BACT\_381 Clostridium botulinum D str. 1873

BACT\_1474 Rhodomicrobium vannielii ATCC 17100

BACT\_1270 Yersinia frederiksenii ATCC 33641

BACT\_1058 Shewanella halifaxensis HAW-EB4

BACT\_1296 Acinetobacter haemolyticus ATCC 19194

BACT\_648 Jonesia denitrificans DSM 20603

BACT\_185 Bacteroides sp. 2\_1\_16

BACT\_111 Bacillus cereus ATCC 10987

BACT\_1273 Yersinia mollaretii ATCC 43969

BACT\_391 Clostridium hathewayi DSM 13479

BACT\_838 Oligotropha carboxidovorans OM5

BACT\_1644 Thermocrinis albus DSM 14484

BACT\_1563 Candidatus Sulcia muelleri DMIN

BACT\_258 Brucella suis bv. 4 str. 40

BACT\_1019 Ruegeria sp. R11

BACT\_266 Burkholderia ambifaria MEX-5

BACT\_1049 Selenomonas flueggei ATCC 43531

BACT\_930 Pseudomonas putida W619

BACT\_352 Chlorobium limicola DSM 245

BACT\_109 Bacillus cereus AH820

BACT\_145 Bacillus mycoides DSM 2048

BACT\_337 Cellulomonas flavigena DSM 20109

BACT\_1657 Saccharopolyspora erythraea NRRL 2338

BACT\_453 Cyanothece sp. PCC 8801

BACT\_761 Micrococcus luteus NCTC 2665

BACT\_430 Corynebacterium genitalium ATCC 33030

BACT\_462 Delftia acidovorans SPH-1

BACT\_1101 Streptobacillus moniliformis DSM 12112

BACT\_1377 Escherichia coli MS 196-1

BACT\_1613 Nitrosococcus watsoni C-113

BACT\_808 Neisseria mucosa ATCC 25996

BACT\_471 Desulfotalea psychrophila LSv54

BACT\_377 Clostridium botulinum B1 str. Okra

BACT\_27 Acinetobacter junii SH205

BACT\_106 Bacillus cereus AH603

BACT\_1635 Staphylococcus lugdunensis HKU09-01

BACT\_869 Pelodictyon phaeoclathratiforme BU-1

BACT\_918 Pseudoalteromonas atlantica T6c

BACT\_1129 Streptomyces hygroscopicus ATCC 53653

BACT\_1011 Roseobacter sp. SK209-2-6

BACT\_1293 Acinetobacter baumannii AB056

BACT\_1360 Enterococcus faecium PC4.1

BACT\_525 Erythrobacter sp. NAP1

BACT\_1383 Escherichia coli MS 78-1

BACT\_1482 Serratia odorifera DSM 4582

BACT\_358 Chloroflexus sp. Y-400-fl

BACT\_367 Citrobacter youngae ATCC 29220

BACT\_742 Mesorhizobium loti MAFF303099

BACT\_383 Clostridium botulinum E3 str. Alaska E43

BACT\_12 Acidithiobacillus caldus ATCC 51756

BACT\_414 Clostridium spiroforme DSM 1552

BACT\_1484 Simonsiella muelleri ATCC 29453

BACT\_1224 Vibrio cholerae MJ-1236

BACT\_196 Bacteroides vulgatus ATCC 8482

BACT\_886 Polaromonas naphthalenivorans CJ2

BACT\_561 Frankia sp. EAN1pec

BACT\_307 Candidatus Blochmannia floridanus

BACT\_459 Dehalococcoides sp. VS

BACT\_30 Acinetobacter sp. ADP1

BACT\_549 Flavobacteria bacterium BAL38

BACT\_1311 Bacteroides ovatus SD CC 2a

BACT\_1346 Desulfovibrio sp. FW1012B

BACT\_523 Erysipelothrix rhusiopathiae ATCC 19414

BACT\_122 Bacillus cereus G9241

BACT\_226 Bordetella avium 197N

BACT\_862 Pectobacterium wasabiae WPP163

BACT\_55 Alkaliphilus metalliredigens QYMF

BACT\_1014 Roseovarius sp. HTCC2601

BACT\_1479 Ruminococcus albus 8

BACT\_187 Bacteroides sp. 2\_1\_33B

BACT\_596 Geobacter bemidjiensis Bem

BACT\_284 Caminibacter mediatlanticus TB-2

BACT\_1650 Xenorhabdus bovienii SS-2004

BACT\_1279 Yersinia pseudotuberculosis IP 32953

BACT\_1596 Lactobacillus johnsonii FI9785

BACT\_890 Porphyromonas gingivalis ATCC 33277

BACT\_1276 Yersinia pestis biovar Microtus str. 91001

BACT\_446 Cyanobium sp. PCC 7001

BACT\_93 Azoarcus sp. BH72

BACT\_559 Frankia alni ACN14a

BACT\_118 Bacillus cereus BDRD-ST26

BACT\_1244 Vibrio vulnificus YJ016

BACT\_1401 Gardnerella vaginalis 5-1

BACT\_1074 Silicibacter lacuscaerulensis ITI-1157

BACT\_1017 Rubrobacter xylanophilus DSM 9941

BACT\_1586 Escherichia coli O55:H7 str. CB9615

BACT\_1031 Salinispora tropica CNB-440

BACT\_158 Bacillus thuringiensis serovar huazhongensis BGSC 4BD1

BACT\_49 Akkermansia muciniphila ATCC BAA-835

BACT\_1521 Streptomyces sp. ACT-1

BACT\_1645 Thermosediminibacter oceani DSM 16646

BACT\_501 Ehrlichia chaffeensis str. Arkansas

BACT\_243 Bradyrhizobium japonicum USDA 110

BACT\_211 Bifidobacterium animalis subsp. lactis Bl-04

BACT\_1609 Mycoplasma agalactiae

BACT\_1240 Vibrio sp. RC341

BACT\_107 Bacillus cereus AH621

BACT\_1555 Bifidobacterium longum subsp. longum JDM301

BACT\_1488 Staphylococcus aureus A8796

BACT\_1262 Xanthomonas campestris pv. vesicatoria str. 85-10

BACT\_1379 Escherichia coli MS 200-1

BACT\_233 Borrelia garinii Far04

BACT\_1125 Streptomyces flavogriseus ATCC 33331

BACT\_1487 Staphylococcus aureus A8117

BACT\_695 Lentisphaera araneosa HTCC2155

BACT\_1254 Wolbachia endosymbiont strain TRS of Brugia malayi

BACT\_1322 Bacteroidetes oral taxon 274 str. F0058

BACT\_183 Bacteroides plebeius DSM 17135

BACT\_51 Alcanivorax sp. DG881

BACT\_1643 Thermobispora bispora DSM 43833

BACT\_96 Bacillus amyloliquefaciens FZB42

BACT\_929 Pseudomonas putida KT2440

BACT\_386 Clostridium butyricum E4 str. BoNT E BL5262

BACT\_651 Kineococcus radiotolerans SRS30216

BACT\_1251 Wolbachia endosymbiont of Drosophila simulans

BACT\_1148 Synechococcus elongatus PCC 6301

BACT\_65 Anaerococcus hydrogenalis DSM 7454

BACT\_290 Campylobacter jejuni RM1221

BACT\_421 Colwellia psychrerythraea 34H

BACT\_865 Pedobacter sp. BAL39

BACT\_1369 Escherichia coli MS 116-1

BACT\_840 Opitutaceae bacterium TAV2

BACT\_1612 Nitrosococcus halophilus Nc4

BACT\_955 Reinekea blandensis MED297

BACT\_1462 Propionibacterium acnes J139

BACT\_1569 Clostridium saccharolyticum WM1

BACT\_737 Marinobacter sp. ELB17

BACT\_546 Faecalibacterium prausnitzii M21/2

BACT\_1659 Bacillus subtilis subsp. spizizenii ATCC 6633

BACT\_1085 Sphingomonas wittichii RW1

BACT\_408 Clostridium ramosum DSM 1402

BACT\_1356 Enterococcus faecium E1162

BACT\_464 Denitrovibrio acetiphilus DSM 12809

BACT\_1590 Helicobacter pylori B8

BACT\_1232 Vibrio harveyi HY01

BACT\_1355 Enterococcus faecium E1071

BACT\_647 Janthinobacterium sp. Marseille

BACT\_636 Herpetosiphon aurantiacus ATCC 23779

BACT\_1238 Vibrio sp. Ex25

BACT\_712 Listeria monocytogenes FSL J2-071

BACT\_1239 Vibrio sp. MED222

BACT\_1201 Thiomonas intermedia K12

BACT\_1637 Streptococcus gallolyticus UCN34

BACT\_1453 Prevotella bivia JCVIHMP010

BACT\_1090 Staphylococcus aureus subsp. aureus USA300\_TCH1516

BACT\_1400 Fusobacterium sp. 3\_1\_27

BACT\_1167 Syntrophomonas wolfei subsp. wolfei str. Goettingen

BACT\_67 Anaerococcus prevotii DSM 20548

BACT\_755 Methylocella silvestris BL2

BACT\_1468 Pseudomonas syringae pv. tomato K40

BACT\_974 Rhodobacterales bacterium Y4I

BACT\_591 Geobacillus sp. Y4.1MC1

BACT\_1066 Shewanella sp. W3-18-1

BACT\_428 Corynebacterium amycolatum SK46

BACT\_1223 Vibrio cholerae CT 5369-93

BACT\_1538 Yersinia pestis KIM D27

BACT\_1041 Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7

BACT\_1499 Staphylococcus aureus subsp. aureus D139

BACT\_987 Rickettsia akari str. Hartford

BACT\_740 Meiothermus silvanus DSM 9946

BACT\_120 Bacillus cereus E33L

BACT\_965 Rhizobium leguminosarum bv. viciae 3841

BACT\_680 Lactobacillus reuteri 100-23

BACT\_650 Kangiella koreensis DSM 16069

BACT\_907 Prochlorococcus marinus str. NATL1A

BACT\_667 Lactobacillus fermentum 28-3-CHN

BACT\_569 Fusobacterium sp. 2\_1\_31

BACT\_54 Alkalilimnicola ehrlichii MLHE-1

BACT\_25 Acinetobacter calcoaceticus RUH2202

BACT\_129 Bacillus cereus Q1

BACT\_1230 Vibrio furnissii CIP 102972

BACT\_1504 Staphylococcus aureus subsp. aureus M899

BACT\_1630 Sphingobium japonicum UT26S

BACT\_81 Aromatoleum aromaticum EbN1

BACT\_832 Oceanicola batsensis HTCC2597

BACT\_350 Chlorobium chlorochromatii CaD3

BACT\_1551 Bacillus pseudofirmus OF4

BACT\_847 Oxalobacter formigenes OXCC13

BACT\_514 Enterococcus faecalis TX0104

BACT\_623 Halothiobacillus neapolitanus c2

BACT\_57 Allochromatium vinosum DSM 180

BACT\_1464 Propionibacterium acnes SK187

BACT\_1156 Synechococcus sp. PCC 7335

BACT\_903 Prochlorococcus marinus str. MIT 9303

BACT\_392 Clostridium hiranonis DSM 13275

BACT\_999 Rickettsiella grylli

BACT\_159 Bacillus thuringiensis serovar israelensis ATCC 35646

BACT\_8 Acholeplasma laidlawii PG-8A

BACT\_875 Photobacterium angustum S14

BACT\_1215 Verminephrobacter eiseniae EF01-2

BACT\_610 Gramella forsetii KT0803

BACT\_1297 Acinetobacter sp. 6013113

BACT\_150 Bacillus sp. NRRL B-14911

BACT\_210 Bifidobacterium angulatum DSM 20098

BACT\_1406 Helicobacter pylori 35A

BACT\_791 Mycoplasma hyopneumoniae 7448

BACT\_390 Clostridium difficile QCD-63q42

BACT\_97 Bacillus anthracis Tsiankovskii-I

BACT\_287 Campylobacter curvus 525.92

BACT\_562 Fulvimarina pelagi HTCC2506

BACT\_127 Bacillus cereus MM3

BACT\_338 Cellvibrio japonicus Ueda107

BACT\_978 Rhodopirellula baltica SH 1

BACT\_1136 Streptomyces sp. SPB78

BACT\_205 Beggiatoa sp. SS

BACT\_329 Carboxydothermus hydrogenoformans Z-2901

BACT\_1131 Streptomyces roseosporus NRRL 11379

BACT\_996 Rickettsia rickettsii str. Iowa

BACT\_7 Acetobacter pasteurianus IFO 3283-01

BACT\_915 Providencia rettgeri DSM 1131

BACT\_227 Bordetella bronchiseptica RB50

BACT\_771 Moritella sp. PE36

BACT\_1196 Thermotoga sp. RQ2

BACT\_1005 Roseobacter denitrificans OCh 114

BACT\_189 Bacteroides sp. 3\_1\_33FAA

BACT\_435 Corynebacterium matruchotii ATCC 33806

BACT\_691 Leeuwenhoekiella blandensis MED217

BACT\_1119 Streptococcus suis BM407

BACT\_587 Gemmatimonas aurantiaca T-27

BACT\_748 Methylobacterium chloromethanicum CM4

BACT\_722 Lysinibacillus sphaericus C3-41

BACT\_718 Listeria welshimeri serovar 6b str. SLCC5334

BACT\_531 Escherichia coli str. K-12 substr. MG1655

BACT\_1147 Symbiobacterium thermophilum IAM 14863

BACT\_1597 Lactococcus lactis subsp. lactis KF147

BACT\_475 Desulfovibrio desulfuricans subsp. desulfuricans str. ATCC 27774

BACT\_1570 Conexibacter woesei DSM 14684

BACT\_609 Gluconobacter oxydans 621H

BACT\_852 Parabacteroides merdae ATCC 43184

BACT\_705 Listeria grayi DSM 20601

BACT\_683 Lactobacillus ruminis ATCC 25644

BACT\_563 Fusobacterium gonidiaformans ATCC 25563

BACT\_882 Planctomyces maris DSM 8797

BACT\_863 Pediococcus pentosaceus ATCC 25745

BACT\_1492 Staphylococcus aureus subsp. aureus 58-424

BACT\_1611 Mycoplasma hominis

BACT\_708 Listeria monocytogenes FSL J1-175

BACT\_830 Oceanibulbus indolifex HEL-45

BACT\_166 Bacillus thuringiensis serovar thuringiensis str. T01001

BACT\_84 Arthrobacter sp. FB24

BACT\_611 Granulibacter bethesdensis CGDNIH1

BACT\_866 Pelobacter carbinolicus DSM 2380

BACT\_595 Geobacillus thermodenitrificans NG80-2

BACT\_248 Brevundimonas sp. BAL3

BACT\_792 Mycoplasma mobile 163K

BACT\_622 Halothermothrix orenii H 168

BACT\_518 Enterococcus gallinarum EG2

BACT\_385 Clostridium botulinum NCTC 2916

BACT\_571 Fusobacterium sp. 3\_1\_36A2

BACT\_285 Campylobacter coli RM2228

BACT\_63 Anaerobaculum hydrogeniformans ATCC BAA-1850

BACT\_1483 Shewanella baltica OS678

BACT\_1061 Shewanella pealeana ATCC 700345

BACT\_884 Polaribacter irgensii 23-P

BACT\_573 Fusobacterium sp. 4\_1\_13

BACT\_1421 Legionella longbeachae D-4968

BACT\_1631 Spirochaeta smaragdinae DSM 11293

BACT\_1050 Selenomonas noxia ATCC 43541

BACT\_281 Burkholderia xenovorans LB400

BACT\_751 Methylobacterium nodulans ORS 2060

BACT\_1527 Veillonella sp. 3\_1\_44

BACT\_1576 Dehalococcoides sp. GT

BACT\_1638 Streptococcus mitis B6

BACT\_466 Desulfitobacterium hafniense Y51

BACT\_115 Bacillus cereus BDRD-Cer4

BACT\_585 Gemella haemolysans ATCC 10379

BACT\_1179 Thermoanaerobacter sp. X561

BACT\_607 Gluconacetobacter diazotrophicus PAl 5

BACT\_805 Neisseria gonorrhoeae NCCP11945

BACT\_1649 Xanthomonas albilineans

BACT\_979 Rhodopseudomonas palustris BisA53

BACT\_926 Pseudomonas mendocina ymp

BACT\_925 Pseudomonas fluorescens SBW25

BACT\_544 Exiguobacterium sp. AT1b

BACT\_806 Neisseria lactamica ATCC 23970

BACT\_1305 Alicycliphilus denitrificans BC

BACT\_1241 Vibrio sp. RC586

BACT\_389 Clostridium cellulovorans 743B

BACT\_502 Ehrlichia chaffeensis str. Sapulpa

BACT\_100 Bacillus cereus 172560W

BACT\_766 Mitsuokella multacida DSM 20544

BACT\_1434 Mycobacterium tuberculosis KZN 4207

BACT\_439 Corynebacterium urealyticum DSM 7109

BACT\_1205 Treponema vincentii ATCC 35580

BACT\_1624 Rothia mucilaginosa DY-18

BACT\_1065 Shewanella sp. MR-7

BACT\_181 Bacteroides ovatus ATCC 8483

BACT\_1388 Finegoldia magna ACS-171-V-Col3

BACT\_627 Helicobacter cinaedi CCUG 18818

BACT\_1532 Vibrio harveyi 1DA3

BACT\_912 Prosthecochloris vibrioformis DSM 265

BACT\_169 Bacillus weihenstephanensis KBAB4

BACT\_604 Geodermatophilus obscurus DSM 43160

BACT\_1380 Escherichia coli MS 21-1

BACT\_1459 Prevotella sp. oral taxon 299 str. F0039

BACT\_1086 Sphingopyxis alaskensis RB2256

BACT\_530 Escherichia coli SE11

BACT\_1557 Brachyspira pilosicoli 95/1000

BACT\_568 Fusobacterium periodonticum ATCC 33693

BACT\_1127 Streptomyces griseoflavus Tu4000

BACT\_1589 Helicobacter mustelae 12198

BACT\_968 Rhodobacter sphaeroides 2.4.1

BACT\_363 Chthoniobacter flavus Ellin428

BACT\_91 Atopobium vaginae DSM 15829

BACT\_763 Microcystis aeruginosa NIES-843

BACT\_678 Lactobacillus paracasei subsp. paracasei 8700:2

BACT\_1261 Xanthomonas campestris pv. vasculorum NCPPB702

BACT\_1540 Acidaminococcus fermentans DSM 20731

BACT\_182 Bacteroides pectinophilus ATCC 43243

BACT\_613 Granulicatella elegans ATCC 700633

BACT\_602 Geobacter sulfurreducens PCA

BACT\_641 Hyphomicrobium denitrificans ATCC 51888

BACT\_320 Candidatus Protochlamydia amoebophila UWE25

BACT\_156 Bacillus thuringiensis serovar andalousiensis BGSC 4AW1

BACT\_1566 Citrobacter rodentium ICC168

BACT\_874 Phenylobacterium zucineum HLK1

BACT\_933 Pseudomonas syringae pv. aesculi str. 2250

BACT\_696 Leptolyngbya valderiana BDU 20041

BACT\_658 Kytococcus sedentarius DSM 20547

BACT\_424 Coprococcus comes ATCC 27758

BACT\_1122 Streptomyces albus J1074

BACT\_20 Acinetobacter baumannii AB307-0294

BACT\_415 Clostridium sporogenes ATCC 15579

BACT\_632 Helicobacter pylori HPKX\_438\_AG0C1

BACT\_489 Dichelobacter nodosus VCS1703A

BACT\_1328 Burkholderia sp. CCGE1003

BACT\_899 Prochlorococcus marinus str. AS9601

BACT\_80 Arcobacter butzleri RM4018

BACT\_1361 Enterococcus faecium U0317

BACT\_1303 Afipia sp. 1NLS2

BACT\_32 Acinetobacter sp. RUH2624

BACT\_384 Clostridium botulinum F str. Langeland

BACT\_663 Lactobacillus casei BL23

BACT\_90 Atopobium rimae ATCC 49626

BACT\_1315 Bacteroides sp. 3\_1\_19

BACT\_123 Bacillus cereus G9842

BACT\_37 Actinomyces coleocanis DSM 15436

BACT\_1471 Pyramidobacter piscolens W5455

BACT\_296 Campylobacter rectus RM3267

BACT\_186 Bacteroides sp. 2\_1\_22

BACT\_1456 Prevotella buccalis ATCC 35310

BACT\_626 Helicobacter canadensis MIT 98-5491

BACT\_179 Bacteroides fragilis YCH46

BACT\_330 Cardiobacterium hominis ATCC 15826

BACT\_939 Pseudomonas syringae pv. tomato str. DC3000

BACT\_1412 Lactobacillus delbrueckii subsp. bulgaricus PB2003/044-T3-4

BACT\_1647 Truepera radiovictrix DSM 17093

BACT\_454 Cyanothece sp. PCC 8802

BACT\_1477 Rothia dentocariosa ATCC 17931

BACT\_336 Caulobacter sp. K31

BACT\_456 Dechloromonas aromatica RCB

BACT\_671 Lactobacillus gasseri MV-22

BACT\_553 Flavobacteriaceae bacterium 3519-10

BACT\_41 Actinosynnema mirum DSM 43827

BACT\_228 Bordetella parapertussis 12822

BACT\_4 Flavobacteriales bacterium ALC-1

BACT\_1212 Ureaplasma urealyticum serovar 9 str. ATCC 33175

BACT\_1475 Rhodopseudomonas palustris DX-1

BACT\_1165 Synechocystis sp. PCC 6803

BACT\_1450 Peptoniphilus sp. oral taxon 836 str. F0141

BACT\_221 Bifidobacterium pseudocatenulatum DSM 20438

BACT\_353 Chlorobium phaeobacteroides BS1

BACT\_606 Gloeobacter violaceus PCC 7421

BACT\_190 Bacteroides sp. 3\_2\_5

BACT\_101 Bacillus cereus 95/8201

BACT\_931 Pseudomonas sp. UK4

BACT\_509 Cronobacter sakazakii ATCC BAA-894

BACT\_779 Mycobacterium marinum M

BACT\_601 Geobacter sp. M21

BACT\_1339 Clostridium thermocellum JW20

BACT\_138 Bacillus cereus subsp. cytotoxis NVH 391-98

BACT\_1603 Listeria monocytogenes 08-5923

BACT\_522 Erwinia tasmaniensis Et1/99

BACT\_855 Parvimonas micra ATCC 33270

BACT\_474 Desulfovibrio desulfuricans G20

BACT\_1048 Sebaldella termitidis ATCC 33386

BACT\_1104 Streptococcus agalactiae CJB111

BACT\_1180 Thermoanaerobacter tengcongensis MB4

BACT\_1354 Enterococcus faecium E1039

BACT\_809 Neisseria sicca ATCC 29256

BACT\_1112 Streptococcus infantarius subsp. infantarius ATCC BAA-102

BACT\_416 Clostridium tetani E88

BACT\_567 Fusobacterium nucleatum subsp. vincentii ATCC 49256

BACT\_1514 Streptococcus parasanguinis ATCC 15912

BACT\_515 Enterococcus faecalis V583

BACT\_540 Eubacterium saphenum ATCC 49989

BACT\_706 Listeria innocua Clip11262

BACT\_1028 Sagittula stellata E-37

BACT\_603 Geobacter uraniireducens Rf4

BACT\_937 Pseudomonas syringae pv. syringae FF5

BACT\_222 Blastopirellula marina DSM 3645

BACT\_935 Pseudomonas syringae pv. phaseolicola 1448A

BACT\_709 Listeria monocytogenes FSL J1-194

BACT\_497 Dyadobacter fermentans DSM 18053

BACT\_1478 Rothia dentocariosa M567

BACT\_1027 Saccharophagus degradans 2-40

BACT\_1554 Bifidobacterium dentium Bd1

BACT\_990 Rickettsia conorii str. Malish 7

BACT\_906 Prochlorococcus marinus str. MIT 9515

BACT\_896 Prevotella sp. oral taxon 472 str. F0295

BACT\_1001 Roseburia intestinalis L1-82

BACT\_1600 Leuconostoc gasicomitatum LMG 18811

BACT\_361 Chromohalobacter salexigens DSM 3043

BACT\_1580 Dickeya dadantii Ech586

BACT\_1636 Starkeya novella DSM 506

BACT\_1067 Shewanella woodyi ATCC 51908

BACT\_576 Fusobacterium sp. D12

BACT\_521 Erwinia pyrifoliae Ep1/96

BACT\_1502 Staphylococcus aureus subsp. aureus M1015

BACT\_880 Photorhabdus luminescens subsp. laumondii TTO1

BACT\_79 Aquifex aeolicus VF5

BACT\_829 Novosphingobium aromaticivorans DSM 12444

BACT\_1063 Shewanella sediminis HAW-EB3

BACT\_277 Burkholderia thailandensis Bt4

BACT\_550 Flavobacteria bacterium BBFL7

BACT\_1246 Victivallis vadensis ATCC BAA-548

BACT\_750 Methylobacterium extorquens DM4

BACT\_621 Halorhodospira halophila SL1

BACT\_1395 Frankia sp. EUN1f

BACT\_161 Bacillus thuringiensis serovar monterrey BGSC 4AJ1

BACT\_1099 Stenotrophomonas sp. SKA14

BACT\_133 Bacillus cereus Rock3-28

BACT\_325 Capnocytophaga gingivalis ATCC 33624

BACT\_782 Mycobacterium tuberculosis 02\_1987

BACT\_644 Idiomarina loihiensis L2TR

BACT\_1341 Corynebacterium ammoniagenes DSM 20306

BACT\_240 Brachybacterium faecium DSM 4810

BACT\_229 Bordetella pertussis Tohama I

BACT\_1654 Erysipelotrichaceae bacterium 5\_2\_54FAA

BACT\_45 Aggregatibacter actinomycetemcomitans D11S-1

BACT\_666 Lactobacillus delbrueckii subsp. bulgaricus ATCC 11842

BACT\_672 Lactobacillus hilgardii ATCC 8290

BACT\_668 Lactobacillus fermentum IFO 3956

BACT\_1256 Wolinella succinogenes DSM 1740

BACT\_22 Acinetobacter baumannii ATCC 19606

BACT\_450 Cyanothece sp. PCC 7424

BACT\_174 Bacteroides coprocola DSM 17136

BACT\_356 Chloroflexus aggregans DSM 9485

BACT\_959 Rhizobium etli CIAT 652

BACT\_1528 Veillonella sp. 6\_1\_27

BACT\_1009 Roseobacter sp. GAI101

BACT\_75 Anaerotruncus colihominis DSM 17241

BACT\_128 Bacillus cereus NVH0597-99

BACT\_716 Listeria monocytogenes J0161

BACT\_1096 Staphylococcus saprophyticus subsp. saprophyticus ATCC 15305

BACT\_429 Corynebacterium diphtheriae NCTC 13129

BACT\_478 Desulfovibrio salexigens DSM 2638

BACT\_617 Haemophilus influenzae 6P18H1

BACT\_1490 Staphylococcus aureus A9754

BACT\_1574 Cyanobacterium UCYN-A

BACT\_484 Desulfuromonas acetoxidans DSM 684

BACT\_836 Octadecabacter antarcticus 238

BACT\_1200 Thiomicrospira crunogena XCL-2

BACT\_785 Mycobacterium vanbaalenii PYR-1

BACT\_536 Eubacterium dolichum DSM 3991

BACT\_35 Actinobacillus pleuropneumoniae serovar 7 str. AP76

BACT\_629 Helicobacter pullorum MIT 98-5489

BACT\_1213 Veillonella dispar ATCC 17748

BACT\_197 Bartonella bacilliformis KC583

BACT\_1376 Escherichia coli MS 187-1

BACT\_149 Bacillus sp. B14905

BACT\_1397 Fusobacterium nucleatum subsp. nucleatum ATCC 23726

BACT\_1308 Bacillus cellulosilyticus DSM 2522

BACT\_125 Bacillus cereus m1293

BACT\_1539 Acetohalobium arabaticum DSM 5501

BACT\_860 Pectobacterium carotovorum subsp. brasiliensis PBR1692

BACT\_1192 Thermotoga maritima MSB8

BACT\_188 Bacteroides sp. 2\_1\_7

BACT\_1202 Tolumonas auensis DSM 9187

BACT\_1157 Synechococcus sp. RCC307

BACT\_814 Nitratiruptor sp. SB155-2

BACT\_692 Legionella drancourtii LLAP12

BACT\_355 Chlorobium tepidum TLS

BACT\_256 Brucella pinnipedialis B2/94

BACT\_1480 Scardovia inopinata F0304

BACT\_469 Desulfomicrobium baculatum DSM 4028

BACT\_322 Candidatus Sulcia muelleri SMDSEM

BACT\_1620 Ralstonia solanacearum CFBP2957

BACT\_746 Methylibium petroleiphilum PM1

BACT\_1312 Bacteroides ovatus SD CMC 3f

BACT\_1366 Escherichia coli FVEC1412

BACT\_1022 Ruminococcus lactaris ATCC 29176

BACT\_1115 Streptococcus pyogenes MGAS10750

BACT\_1302 Aerococcus viridans ATCC 11563

BACT\_1431 Mycobacterium parascrofulaceum ATCC BAA-614

BACT\_334 Catonella morbi ATCC 51271

BACT\_995 Rickettsia prowazekii str. Madrid E

BACT\_589 Geobacillus sp. G11MC16

BACT\_1098 Stenotrophomonas maltophilia K279a

BACT\_1447 Pediococcus acidilactici

BACT\_900 Prochlorococcus marinus str. MIT 9211

BACT\_374 Clostridium bolteae ATCC BAA-613

BACT\_1436 Mycobacterium tuberculosis KZN R506

BACT\_1602 Listeria monocytogenes 08-5578

BACT\_1449 Peptoniphilus sp. oral taxon 386 str. F0131

BACT\_500 Ehrlichia canis str. Jake

BACT\_989 Rickettsia canadensis str. McKiel

BACT\_1627 Segniliparus rotundus DSM 44985

BACT\_1640 Streptomyces scabiei 87.22

BACT\_238 Borrelia turicatae 91E135

BACT\_739 Meiothermus ruber DSM 1279

BACT\_294 Campylobacter jejuni subsp. jejuni NCTC 11168

BACT\_1336 Clostridium difficile NAP07

BACT\_769 Mollicutes bacterium D7

BACT\_1064 Shewanella sp. ANA-3

BACT\_114 Bacillus cereus B4264

BACT\_153 Bacillus thuringiensis Bt407

BACT\_36 Actinobacillus succinogenes 130Z

BACT\_328 Carboxydibrachium pacificum DSM 12653

BACT\_1177 Thermoanaerobacter pseudethanolicus ATCC 33223

BACT\_811 Neorickettsia risticii str. Illinois

BACT\_1070 Shigella sonnei Ss046

BACT\_102 Bacillus cereus AH1134

BACT\_1599 Legionella pneumophila 2300/99 Alcoy

BACT\_423 Congregibacter litoralis KT71

BACT\_139 Bacillus cereus W

BACT\_803 Neisseria flavescens NRL30031/H210

BACT\_494 Dokdonia donghaensis MED134

BACT\_1023 Ruminococcus obeum ATCC 29174

BACT\_472 Desulfotomaculum acetoxidans DSM 771

BACT\_88 Asticcacaulis excentricus CB 48

BACT\_110 Bacillus cereus ATCC 10876

BACT\_1116 Streptococcus salivarius SK126

BACT\_1137 Streptomyces viridochromogenes DSM 40736

BACT\_1430 Mobiluncus mulieris 28-1

BACT\_1025 Ruminococcus torques ATCC 27756

BACT\_798 Myxococcus xanthus DK 1622

BACT\_1648 Waddlia chondrophila WSU 86-1044

BACT\_1170 Thalassiobium sp. R2A62

BACT\_675 Lactobacillus jensenii 269-3

BACT\_137 Bacillus cereus Rock4-2

BACT\_1656 Acinetobacter sp. DR1

BACT\_461 Deinococcus geothermalis DSM 11300

BACT\_1399 Fusobacterium sp. 1\_1\_41FAA

BACT\_560 Frankia sp. CcI3

BACT\_1277 Yersinia pestis biovar Orientalis str. IP275

BACT\_305 Candidatus Amoebophilus asiaticus 5a2

BACT\_700 Leptotrichia buccalis DSM 1135

BACT\_597 Geobacter lovleyi SZ

BACT\_378 Clostridium botulinum Ba4 str. 657

BACT\_267 Burkholderia cenocepacia J2315

BACT\_490 Dickeya zeae Ech1591

BACT\_1233 Vibrio metschnikovii CIP 69.14

BACT\_1598 Legionella longbeachae NSW150

BACT\_1290 Acidobacterium sp. MP5ACTX8

BACT\_344 Chlamydia trachomatis 70

BACT\_406 Clostridium perfringens str. 13

BACT\_1351 Enterococcus faecalis S613

BACT\_958 Rhizobium etli Brasil 5

BACT\_1451 Peptostreptococcus anaerobius 653-L

BACT\_28 Acinetobacter lwoffii SH145

BACT\_820 Nitrosomonas eutropha C91

BACT\_640 Hydrogenobaculum sp. Y04AAS1

BACT\_242 Brachyspira murdochii DSM 12563

BACT\_476 Desulfovibrio magneticus RS-1

BACT\_656 Kosmotoga olearia TBF 19.5.1

BACT\_1364 Escherichia coli B354

BACT\_1294 Acinetobacter baumannii AB058

BACT\_795 Mycoplasma pneumoniae M129

BACT\_1114 Streptococcus pneumoniae TCH8431/19A

BACT\_1542 Amycolatopsis mediterranei U32

BACT\_1264 Xanthomonas oryzae pv. oryzicola BLS256

BACT\_1108 Streptococcus dysgalactiae subsp. equisimilis GGS\_124

BACT\_1295 Acinetobacter baumannii AB059

BACT\_42 Aeromicrobium marinum DSM 15272

BACT\_681 Lactobacillus reuteri JCM 1112

BACT\_230 Bordetella petrii DSM 12804

BACT\_620 Hahella chejuensis KCTC 2396

BACT\_50 Alcanivorax borkumensis SK2

BACT\_1301 Actinomyces odontolyticus F0309

BACT\_1587 Gardnerella vaginalis 409-05

BACT\_1111 Streptococcus gordonii str. Challis substr. CH1

BACT\_1110 Streptococcus equi subsp. zooepidemicus

BACT\_1044 Salmonella enterica subsp. enterica serovar Typhi str. M223

BACT\_247 Brevibacterium linens BL2

BACT\_73 Anaeromyxobacter sp. K

BACT\_1568 Clostridium ljungdahlii ATCC 49587

BACT\_1327 Burkholderia sp. CCGE1001

BACT\_1166 Syntrophobacter fumaroxidans MPOB

BACT\_1117 Streptococcus sanguinis SK36

BACT\_938 Pseudomonas syringae pv. tabaci ATCC 11528

BACT\_265 Burkholderia ambifaria MC40-6

BACT\_420 Collinsella stercoris DSM 13279

BACT\_1153 Synechococcus sp. JA-2-3B

BACT\_202 Baumannia cicadellinicola str. Hc

BACT\_58 Alpha proteobacterium BAL199

BACT\_1530 Vibrio angustum S14

BACT\_508 Enterobacter cancero ATCC 35316

BACT\_369 Clostridiales bacterium 1\_7\_47FAA strain

BACT\_581 Gamma proteobacterium HTCC5015

BACT\_300 Candidate division TM7 genomosp. GTL1

BACT\_1124 Streptomyces coelicolor A3

BACT\_582 Gamma proteobacterium NOR5-3

BACT\_313 Candidatus Hamiltonella defensa 5AT

BACT\_254 Brucella melitensis bv. 3

BACT\_86 Arthrospira platensis str.

BACT\_579 Gallionella ferruginea ES-2

BACT\_1467 Pseudomonas syringae pv. Syringae 642

BACT\_302 Candidate division TM7 single-cell isolate TM7b

BACT\_382 Clostridium botulinum E1 str. 'BoNT E

BACT\_1288 Clostridium phage D-1873

BACT\_910 Propionibacterium sp. oral taxon 191 str. F0233

BACT\_263 Buchnera aphidicola str. Sg

BACT\_506 Endoriftia persephone

BACT\_731 Marine gamma proteobacterium HTCC2080

BACT\_1425 marine gamma proteobacterium HTCC2207

BACT\_730 Marine actinobacterium PHSC20C1

BACT\_1556 Borrelia afzelii PKo clone

BACT\_327 Capnocytophaga sputigena ATCC 33612 strain Capno

BACT\_583 Gamma proteobacterium NOR51-B

BACT\_455 Cytophaga hutchinsonii ATCC

BACT\_1319 Bacteroides sp. D4

BACT\_697 Leptospira biflexa serovar Patoc strain

BACT\_1 Nostoc azollae

BACT\_323 Candidatus Sulcia muelleri str. Hc

BACT\_321 Candidatus Ruthia magnifica str. Cm

BACT\_1024 Ruminococcus sp. 5\_1\_39BFAA

BACT\_1034 Salmonella enterica subsp. enterica serovar Choleraesuis str. SC-B67

BACT\_1036 Salmonella enterica subsp. enterica serovar Enteritidis str. P125109

BACT\_1039 Salmonella enterica subsp. enterica serovar Javiana str. GA\_MM04042433

BACT\_1040 Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150

BACT\_1043 Salmonella enterica subsp. enterica serovar Tennessee str. CDC07-0191

BACT\_1045 Salmonella enterica subsp. enterica serovar Weltevreden str. HI\_N05-537

BACT\_1159 Synechococcus sp. RS9917

BACT\_1210 unidentified eubacterium SCB49

BACT\_1252 Wolbachia endosymbiont of Drosophila willistoni TSC

BACT\_1285 Salmonella enterica subsp. enterica serovar 4

BACT\_1310 Bacterium S5 strain S5

BACT\_1330 Campylobacter jejuni subsp. Jejuni 1336

BACT\_1331 Campylobacter jejuni subsp. Jejuni 414

BACT\_1344 delta proteobacterium NaphS2

BACT\_1348 Enterococcus faecalis AR01/DG

BACT\_1465 Pseudomonas aeruginosa Pab1

BACT\_170 Bacterium Ellin514 strain Ellin514

BACT\_207 Bermanella marisrubri strain RED65

BACT\_208 beta proteobacterium KB13

BACT\_223 Blattabacterium sp.

BACT\_249 Brucella abortus bv. 1 str. 9-941 chromosome

BACT\_250 Brucella abortus bv. 3 str.

BACT\_260 Buchnera aphidicola str. Bp

BACT\_261 Buchnera aphidicola str. Cc

BACT\_262 Buchnera aphidicola str. LSR1

BACT\_301 candidate division TM7 single-cell isolate TM7a

BACT\_303 candidate division TM7 single-cell isolate TM7c

BACT\_317 Candidatus Pelagibacter sp. HTCC7211 1105874033148

BACT\_318 Candidatus Phytoplasma australiense :

BACT\_366 Citrobacter sp.

BACT\_447 Cyanothece sp. ATCC 51142 chromosome circular

BACT\_448 Cyanothece sp. ATCC 51142 chromosome linear

BACT\_463 delta proteobacterium MLMS-1

BACT\_47 Agrobacterium tumefaciens str. C58 chromosome circular

BACT\_48 Agrobacterium tumefaciens str. C58 chromosome linear

BACT\_557 Francisella novicida FTE

BACT\_580 Gamma proteobacterium HTCC2207

BACT\_59 Alpha proteobacterium HIMB114

BACT\_698 Leptospira borgpetersenii serovar Hardjo-bovis L550

BACT\_732 Marine gamma proteobacterium HTCC2143

BACT\_733 Marine gamma proteobacterium HTCC2148

BACT\_770 Moorella thermoacetica ATCC

BACT\_772 Mycobacterium abscessus

BACT\_789 Mycoplasma conjunctivae

BACT\_790 Mycoplasma gallisepticum str. R

BACT\_813 Neptuniibacter caesariensis strain MED92

BACT\_888 Polynucleobacter necessarius subsp. asymbioticus

BACT\_948 Ralstonia eutropha H16

BACT\_997 Rickettsia sibirica 246

BACT\_1088 Spirosoma linguale DSM 74

BACT\_1089 Stackebrandtia nassauensis DSM 44728

BACT\_1082 Sphaerobacter thermophilus DSM 20745

BACT\_868 Pelodictyon luteolum DSM 273

BACT\_2222 Deinococcus radiodurans R1

BACT\_3001 Acinetobacter radioresistens SH164

BACT\_3004 Bacteroides fragilis 3\_1\_12

BACT\_3005 Bacteroides sp. 2\_2\_4

BACT\_3006 Bacteroides sp. 9\_1\_42FAA

BACT\_3007 Bacteroides sp. D1

BACT\_3008 Bacteroides uniformis ATCC 8492

BACT\_3010 Bacteroidetes sp. F0058

BACT\_3011 Bifidobacterium adolescentis L2-32

BACT\_3012 Bifidobacterium dentium ATCC 27679

BACT\_3013 Bifidobacterium dentium JCVIHMP022

BACT\_3014 Bifidobacterium longum infantis ATCC 55813

BACT\_3015 Burkholderiales bacterium 1\_1\_47

BACT\_3016 Campylobacter coli JV20

BACT\_3017 Clostridiales genomosp. BVAB3 UPII9-5

BACT\_3018 Corynebacterium accolens ATCC 49726

BACT\_3020 Corynebacterium efficiens

BACT\_3021 Corynebacterium glucuronalyticum ATCC 51867

BACT\_3022 Corynebacterium jeikeium ATCC 43734

BACT\_3024 Desulfovibrio sp. 3\_1\_syn3

BACT\_3026 Enterococcus faecalis TX 0109

BACT\_3027 Enterococcus faecalis TX 0411

BACT\_3028 Enterococcus faecalis TX 0855

BACT\_3029 Enterococcus faecalis TX 0860

BACT\_3030 Enterococcus faecalis TX 2134

BACT\_3031 Enterococcus faecalis TX 4248

BACT\_3032 Enterococcus faecalis TX1322

BACT\_3033 Escherichia coli O150:H5 SE15

BACT\_3034 Escherichia sp. 1\_1\_43

BACT\_3035 Eubacterium yurii margaretiae ATCC 43715

BACT\_3036 Finegoldia magna ATCC 29328

BACT\_3037 Finegoldia magna ATCC 53516

BACT\_3041 Lactobacillus acidophilus ATCC 4796

BACT\_3042 Lactobacillus brevis gravesensis ATCC 27305

BACT\_3043 Lactobacillus crispatus 125-2-CHN

BACT\_3045 Lactobacillus crispatus JV-V01

BACT\_3046 Lactobacillus crispatus MV-1A-US

BACT\_3048 Lactobacillus fermentum ATCC 14931

BACT\_3049 Lactobacillus helveticus DSM 20075

BACT\_3055 Lactobacillus jensenii 115-3-CHN

BACT\_3056 Lactobacillus jensenii JV-V16

BACT\_3057 Lactobacillus johnsonii ATCC 33200

BACT\_3058 Lactobacillus paracasei ATCC 25302

BACT\_3059 Lactobacillus plantarum ATCC 14917

BACT\_3060 Lactobacillus reuteri CF48-3A

BACT\_3061 Lactobacillus reuteri MM2-3

BACT\_3062 Lactobacillus reuteri MM4-1A

BACT\_3063 Lactobacillus reuteri SD2112, ATCC 55730

BACT\_3064 Lactobacillus rhamnosus GG, ATCC 53103

BACT\_3065 Lactobacillus salivarius ATCC 11741

BACT\_3066 Leuconostoc mesenteroides cremoris ATCC 19254

BACT\_3068 Mobiluncus curtisii curtisii ATCC 35241

BACT\_3069 Mobiluncus mulieris ATCC 35239

BACT\_3072 Neisseria meningitidis ATCC 13091

BACT\_3073 Paenibacillus sp. D14

BACT\_3074 Pediococcus acidilactici 7\_4

BACT\_3075 Pediococcus acidilactici DSM 20284

BACT\_3076 Peptoniphilus duerdenii ATCC BAA-1640

BACT\_3080 Prevotella marshii DSM 16973

BACT\_3081 Propionibacterium acnes SK137

BACT\_3082 Proteus mirabilis ATCC 29906

BACT\_3085 Selenomonas sp. 67H29BP F0410

BACT\_3086 Sphingobacterium spiritivorum ATCC 33861

BACT\_3087 Staphylococcus aureus aureus ATCC BAA-39

BACT\_3088 Staphylococcus aureus aureus MN8

BACT\_3089 Staphylococcus aureus aureus TCH130/ST-72

BACT\_3090 Staphylococcus aureus aureus TCH60

BACT\_3091 Staphylococcus aureus aureus TCH70

BACT\_3092 Staphylococcus aureus aureus USA300\_TCH959

BACT\_3093 Staphylococcus epidermidis BCM-HMP0060

BACT\_3094 Staphylococcus epidermidis M23864:W1

BACT\_3095 Staphylococcus epidermidis W23144

BACT\_3096 Streptococcus bovis ATCC 700338

BACT\_3097 Streptococcus gallolyticus TX20005

BACT\_3098 Streptococcus mitis ATCC 6249

BACT\_3099 Streptococcus pyogenes ATCC 10782

BACT\_3100 Streptococcus sp. 73H25AP F0408

BACT\_4001 Helicobacter pylori 51

BACT\_4002 Methanosphaera stadtmanae DSM 3091

BACT\_4003 Vibrio cholerae O395

BACT\_4004 Streptococcus pneumoniae AP200

BACT\_4005 Vibrio cholerae O395

BACT\_4006 Clostridium difficile CD196

BACT\_4007 Helicobacter pylori 52

BACT\_4008 Mycobacterium tuberculosis KZN 4207

BACT\_4009 Trypanosoma brucei gambiense DAL972

BACT\_4010 Clostridium difficile M68

BACT\_4011 Clostridium difficile BI1

BACT\_4012 Clostridium difficile BI9

BACT\_4013 Chlamydia trachomatis E/11023

BACT\_4014 Chlamydia trachomatis E/150

BACT\_4015 Chlamydia trachomatis G/9768

BACT\_4016 Chlamydia trachomatis G/11222

BACT\_4017 Chlamydia trachomatis G/11074

BACT\_4018 Lactobacillus fermentum CECT 5716

BACT\_4019 Lactobacillus salivarius CECT 5713

BACT\_4020 Mycobacterium tuberculosis SUMu001

BACT\_4021 Chlamydia trachomatis G/9301

BACT\_4022 Edwardsiella tarda FL6-60

BACT\_4023 Mycoplasma pneumoniae FH

BACT\_4024 Chlamydia trachomatis D-EC

BACT\_4025 Chlamydia trachomatis D-LC

BACT\_4026 Neisseria meningitidis K1207

BACT\_4027 Neisseria meningitidis S0108

BACT\_4028 Mycoplasma pneumoniae FH

BACT\_4029 Bacteroides fragilis 638R

BACT\_4030 Helicobacter pylori v225d

BACT\_4031 Providencia alcalifaciens Ban1 integrating conjugative element ICEPalban1

BACT\_4032 Clostridium difficile complete genome, strain CF5

BACT\_4033 Shigella flexneri 2002017

BACT\_4034 Clostridium difficile complete genome, strain M120

BACT\_4035 Escherichia coli O26:H11 str. 11368

BACT\_4036 Gordonia bronchialis DSM 43247

BACT\_4037 Photorhabdus asymbiotica subsp. asymbiotica ATCC 43949

BACT\_4038 Listeria grayi DSM20601

BACT\_4039 Helicobacter canadensis MIT 98-5491

BACT\_4040 Escherichia coli IHE3034

BACT\_4041 Neisseria meningitidis 8013

BACT\_4042 Bifidobacterium animalis subsp. lactis V9

BACT\_4043 Haemophilus influenzae 22.4-21

BACT\_4044 Clostridium difficile ATCC 43255

BACT\_4045 Escherichia coli 042

BACT\_4046 Borrelia burgdorferi 297

BACT\_4047 Clostridium difficile R20291

BACT\_5001 Megasphaera micronuciformis

BACT\_5002 Selenomonas artemidis

BACT\_5003 Solobacterium moorei

BACT\_5004 Treponema phagedenis (biotype Kazan 5)

BACT\_5005 Actinomyces sp. oral taxon 171

ARCH\_1 Acidianus ambivalens Lei 10 plasmid pDL10

ARCH\_2 Acidianus hospitalis plasmid pAH1

ARCH\_3 Acidilobus saccharovorans 345-15

ARCH\_4 Aciduliprofundum boonei T469

ARCH\_5 Aeropyrum pernix K1

ARCH\_6 Archaeoglobus fulgidus DSM 4304

ARCH\_7 Archaeoglobus profundus DSM 5631

ARCH\_8 Archaeoglobus profundus plasmid pGS5

ARCH\_9 Caldivirga maquilingensis IC-167

ARCH\_10 Candidatus Korarchaeum cryptofilum OPF8

ARCH\_11 Candidatus Methanoregula boonei 6A8

ARCH\_12 Candidatus Methanosphaerula palustris E1-9c

ARCH\_13 Cenarchaeum symbiosum A

ARCH\_14 Cenarchaeum symbiosum B

ARCH\_15 Desulfurococcus kamchatkensis 1221n

ARCH\_16 Ferroglobus placidus DSM 10642

ARCH\_17 Halalkalicoccus jeotgali B3

ARCH\_18 Haloarchaeal coccus LOC-1 GN101 plasmid pHGN1

ARCH\_19 Haloarcula marismortui ATCC 43049

ARCH\_20 Haloarcula sp. AS7094 plasmid pSCM201

ARCH\_21 Halobacterium salinarum

ARCH\_22 Halobacterium salinarum R1

ARCH\_23 Halobacterium sp. NRC-1

ARCH\_24 Haloferax volcanii DS2

ARCH\_25 Halomicrobium mukohataei DSM 12286

ARCH\_26 Haloquadratum walsbyi DSM 16790

ARCH\_27 Halorhabdus utahensis DSM 12940

ARCH\_28 Halorubrum lacusprofundi ATCC 49239

ARCH\_29 Halorubrum saccharovorum plasmid pZMX101

ARCH\_30 Haloterrigena thermotolerans plasmid pSN

ARCH\_31 Haloterrigena turkmenica DSM 5511

ARCH\_32 Hyperthermus butylicus DSM 5456

ARCH\_33 Ignicoccus hospitalis KIN4/I

ARCH\_34 Ignisphaera aggregans DSM 17230

ARCH\_35 Metallosphaera sedula DSM 5348

ARCH\_36 Methanobrevibacter ruminantium M1

ARCH\_37 Methanobrevibacter smithii ATCC 35061

ARCH\_38 Methanocaldococcus fervens AG86

ARCH\_39 Methanocaldococcus infernus ME c

ARCH\_40 Methanocaldococcus jannaschii DSM 2661

ARCH\_41 Methanocaldococcus sp. FS406-22

ARCH\_43 Methanocaldococcus vulcanius M7

ARCH\_44 Methanocella paludicola SANAE

ARCH\_45 Methanococcoides burtonii DSM 6242

ARCH\_46 Methanococcus aeolicus Nankai-3

ARCH\_47 Methanococcus maripaludis C5

ARCH\_48 Methanococcus maripaludis C6

ARCH\_49 Methanococcus maripaludis C7

ARCH\_50 Methanococcus maripaludis S2

ARCH\_51 Methanococcus vannielii SB

ARCH\_52 Methanococcus voltae A3

ARCH\_53 Methanocorpusculum labreanum Z

ARCH\_54 Methanoculleus marisnigri JR1

ARCH\_55 Methanohalobium evestigatum Z-7303

ARCH\_56 Methanohalophilus mahii DSM 5219

ARCH\_57 Methanohalophilus mahii plasmid pML

ARCH\_58 Methanoplanus petrolearius DSM 11571

ARCH\_59 Methanopyrus kandleri AV19

ARCH\_60 Methanosaeta thermophila PT

ARCH\_61 Methanosarcina acetivorans C2A

ARCH\_62 Methanosarcina barkeri str. fusaro

ARCH\_63 Methanosarcina mazei Go1

ARCH\_64 Methanosphaera stadtmanae DSM 3091

ARCH\_65 Methanospirillum hungatei JF-1

ARCH\_66 Methanothermobacter marburgensis str. Marburg

ARCH\_67 Methanothermobacter thermautotrophicus Marburg plasmid pME2001

ARCH\_68 Methanothermobacter thermautotrophicus plasmid pME2200

ARCH\_69 Methanothermobacter thermautotrophicus str. Delta H

ARCH\_70 Methanothermobacter thermautotrophicus THF plasmid pFV1

ARCH\_71 Methanothermobacter thermautotrophicus Z-245 plasmid pFZ1

ARCH\_72 Nanoarchaeum equitans Kin4-M

ARCH\_73 Natrialba magadii ATCC 43099

ARCH\_74 Natrinema sp. CX2021 plasmid pZMX201

ARCH\_75 Natronobacterium sp. AS-7091 plasmid pNB101

ARCH\_76 Natronomonas pharaonis DSM 2160

ARCH\_77 Nitrosopumilus maritimus SCM1

ARCH\_78 Picrophilus torridus DSM 9790

ARCH\_79 Pyrobaculum aerophilum str. IM2

ARCH\_80 Pyrobaculum arsenaticum DSM 13514

ARCH\_81 Pyrobaculum calidifontis JCM 11548

ARCH\_82 Pyrobaculum islandicum DSM 4184

ARCH\_83 Pyrococcus abyssi GE5

ARCH\_84 Pyrococcus furiosus DSM 3638

ARCH\_85 Pyrococcus horikoshii OT3

ARCH\_86 Pyrococcus sp. 12/1 plasmid pP12-1

ARCH\_87 Pyrococcus sp. JT1 plasmid pRT1

ARCH\_88 Staphylothermus hellenicus DSM 12710

ARCH\_89 Staphylothermus marinus F1

ARCH\_90 Sulfolobus acidocaldarius DSM 639

ARCH\_91 Sulfolobus islandicus HEN7H2 plasmid pHEN7

ARCH\_92 Sulfolobus islandicus L.D.8.5

ARCH\_93 Sulfolobus islandicus L.S.2.15

ARCH\_94 Sulfolobus islandicus M.14.25

ARCH\_95 Sulfolobus islandicus M.16.27

ARCH\_96 Sulfolobus islandicus M.16.4

ARCH\_97 Sulfolobus islandicus plasmid pARN3

ARCH\_98 Sulfolobus islandicus plasmid pARN4

ARCH\_99 Sulfolobus islandicus plasmid pHVE14

ARCH\_100 Sulfolobus islandicus plasmid pING1

ARCH\_101 Sulfolobus islandicus plasmid pKEF9

ARCH\_102 Sulfolobus islandicus plasmid pSOG1

ARCH\_103 Sulfolobus islandicus plasmid pSOG2

ARCH\_104 Sulfolobus islandicus plasmid pSSVx

ARCH\_105 Sulfolobus islandicus plasmid pXZ1

ARCH\_106 Sulfolobus islandicus REN1H1 plasmid pRN1

ARCH\_107 Sulfolobus islandicus REN1H1 plasmid pRN2

ARCH\_108 Sulfolobus islandicus Y.G.57.14

ARCH\_109 Sulfolobus islandicus Y.N.15.51

ARCH\_110 Sulfolobus islandicus Y.N.15.51 plasmid pYN01

ARCH\_111 Sulfolobus neozealandicus plasmid pORA1

ARCH\_112 Sulfolobus solfataricus IT3 plasmid pIT3

ARCH\_113 Sulfolobus solfataricus P2

ARCH\_114 Sulfolobus sp. NOB8H2 plasmid pNOB8

ARCH\_115 Sulfolobus tengchongensis plasmid pTC

ARCH\_116 Sulfolobus tokodaii str. 7

ARCH\_117 Thermococcus gammatolerans EJ3

ARCH\_118 Thermococcus kodakarensis KOD1

ARCH\_119 Thermococcus nautilus 30-1 plasmid pTN1

ARCH\_120 Thermococcus nautilus plasmid pTN2

ARCH\_121 Thermococcus onnurineus NA1

ARCH\_122 Thermococcus sibiricus MM 739

ARCH\_123 Thermococcus sp. 26/2 plasmid pT26-2

ARCH\_124 Thermococcus sp. AMT11 plasmid pAMT11

ARCH\_125 Thermofilum pendens Hrk 5

ARCH\_126 Thermoplasma acidophilum DSM 1728

ARCH\_127 Thermoplasma acidophilum plasmid pTA1

ARCH\_128 Thermoplasma volcanium GSS1

ARCH\_129 Thermoproteus neutrophilus V24Sta

ARCH\_130 Thermosphaera aggregans DSM 11486

ARCH\_131 Uncultured methanogenic archaeon RC-I

ARCH\_136 Sulfolobus islandicus Y.G.57.14

EUKY\_261 Porphyra pulchra

EUKY\_250 Desmarestia viridis

EUKY\_291 Colpophyllia natans

EUKY\_37 Aureoumbra lagunensis

EUKY\_166 Candida orthopsilosis

EUKY\_146 Vaucheria litorea

EUKY\_150 Stigeoclonium helveticum

EUKY\_33 Lubomirskia baicalensis

EUKY\_119 Montastraea annularis

EUKY\_61 Zasmidium cellare

EUKY\_47 Plasmodium simium

EUKY\_274 Phytophthora sojae

EUKY\_152 Porphyra yezoensis

EUKY\_140 Dictyostelium discoideum

EUKY\_14 Micromonas sp.

EUKY\_169 Moniliophthora perniciosa

EUKY\_271 Allomyces macrogynus

EUKY\_190 Saccharomyces pastorianus

EUKY\_220 Spizellomyces punctatus

EUKY\_70 Friedmanniomyces simplex

EUKY\_193 Arthroderma uncinatum

EUKY\_115 Dictyota dichotoma

EUKY\_211 Topsentia ophiraphidites

EUKY\_168 Montipora cactus

EUKY\_216 Tethya actinia

EUKY\_143 Monomastix sp.

EUKY\_71 Falciformispora lignatilis

EUKY\_104 Hyaloraphidium curvatum

EUKY\_179 Ectocarpus siliculosus

EUKY\_4 Phakopsora meibomiae

EUKY\_318 Fusarium oxysporum

EUKY\_32 Candida viswanathii

EUKY\_97 Theileria annulata

EUKY\_72 Endosporium populi-tremuloidis

EUKY\_329 Dictyostelium fasciculatum

EUKY\_278 Stylophora pistillata

EUKY\_267 Monoblepharella sp.

EUKY\_136 Candida dubliniensis

EUKY\_57 Paramecium tetraurelia

EUKY\_124 Rhizophydium sp.

EUKY\_225 Zygosaccharomyces bisporus

EUKY\_183 Saccharina diabolica

EUKY\_230 Pleurotus ostreatus

EUKY\_194 Trichophyton mentagrophytes

EUKY\_118 Leishmania major

EUKY\_109 Phaeodactylum tricornutum

EUKY\_295 Rhodactis sp.

EUKY\_309 Leucocytozoon majoris

EUKY\_276 Schizosaccharomyces octosporus

EUKY\_273 Phaeosphaeria nodorum

EUKY\_160 Candida parapsilosis

EUKY\_159 Penicillium marneffei

EUKY\_290 Mussa angulosa

EUKY\_172 Phytophthora infestans

EUKY\_82 Mytilinidion scolecosporum

EUKY\_103 Chlamydomonas eugametos

EUKY\_87 Ascocratera manglicola

EUKY\_297 Helicosporidium sp.

EUKY\_116 Fucus vesiculosus

EUKY\_78 Rhytidhysteron rufulum

EUKY\_59 Phoma betae

EUKY\_289 Nematostella sp.

EUKY\_215 Oscarella carmela

EUKY\_112 Leishmania infantum

EUKY\_95 Botryosphaeria dothidea

EUKY\_255 Malawimonas jakobiformis

EUKY\_240 Leucocytozoon sabrazesi

EUKY\_213 Ephydatia muelleri

EUKY\_187 Polytomella sp.

EUKY\_145 Pycnococcus provasolii

EUKY\_63 Teratosphaeria fibrillosa

EUKY\_300 Montastraea faveolata

EUKY\_257 Gracilariopsis lemaneiformis

EUKY\_182 Saccharina longipedalis

EUKY\_319 Chondrus crispus

EUKY\_302 Anacropora matthai

EUKY\_36 Dunaliella salina

EUKY\_306 Cyanophora paradoxa

EUKY\_201 Igernella notabilis

EUKY\_184 Saccharina ochotensis

EUKY\_262 Neurospora crassa

EUKY\_132 Cryptosporidium parvum

EUKY\_120 Mortierella verticillata

EUKY\_123 Pylaiella littoralis

EUKY\_282 Pocillopora eydouxi

EUKY\_275 Plasmodium gallinaceum

EUKY\_177 Dendronephthya gigantea

EUKY\_229 Cryphonectria parasitica

EUKY\_191 Cyanidioschyzon merolae

EUKY\_283 Pocillopora damicornis

EUKY\_130 Acanthamoeba castellanii

EUKY\_243 Tetrahymena pigmentosa

EUKY\_238 Plasmodium mexicanum

EUKY\_144 Pyramimonas parkeae

EUKY\_314 Haemoproteus sp.

EUKY\_154 Porphyra purpurea

EUKY\_316 Beauveria bassiana

EUKY\_79 Oedohysterium sinense

EUKY\_307 Metridium senile

EUKY\_58 Dictyostelium citrinum

EUKY\_239 Tilletia indica

EUKY\_173 Chlamydomonas reinhardtii

EUKY\_200 Plakortis angulospiculatus

EUKY\_299 Discosoma sp.

EUKY\_117 Thalassiosira pseudonana

EUKY\_304 Acropora tenuis

EUKY\_332 Verticillium dahliae

EUKY\_263 Zygosaccharomyces bailii

EUKY\_221 Heterosigma akashiwo

EUKY\_280 Seriatopora caliendrum

EUKY\_125 Tetrahymena thermophila

EUKY\_218 Axinella corrugata

EUKY\_265 Hemiselmis andersenii

EUKY\_151 Ostreococcus tauri

EUKY\_305 Chlorella vulgaris

EUKY\_16 Kluyveromyces lactis

EUKY\_137 Babesia bovis

EUKY\_298 Briareum asbestinum

EUKY\_139 Theileria parva

EUKY\_189 Aspergillus terreus

EUKY\_122 Rhizopus oryzae

EUKY\_249 Paracoccidioides brasiliensis

EUKY\_23 Dekkera bruxellensis

EUKY\_75 Chaetosphaeronema hispidulum

EUKY\_204 Halisarca dujardini

EUKY\_10 Encephalitozoon intestinalis

EUKY\_66 Boeremia exigua

EUKY\_245 Tetrahymena malaccensis

EUKY\_133 Debaryomyces hansenii

EUKY\_253 Thanatephorus cucumeris

EUKY\_197 Leishmania tarentolae

EUKY\_226 Lachancea waltii

EUKY\_17 Ashbya gossypii

EUKY\_51 Guillardia theta

EUKY\_25 Eimeria tenella

EUKY\_228 Blumeria graminis

EUKY\_147 Oedogonium cardiacum

EUKY\_232 Monosiga brevicollis

EUKY\_2 Cryptomonas paramecium

EUKY\_233 Candida neerlandica

EUKY\_26 Toxoplasma gondii

EUKY\_287 Porites porites

EUKY\_331 Amphimedon queenslandica

EUKY\_322 Candida zemplinina

EUKY\_15 Candida glabrata

EUKY\_313 Plasmodium relictum

EUKY\_85 Lentithecium aquaticum

EUKY\_174 Penicillium chrysogenum

EUKY\_180 Saccharina coriacea

EUKY\_321 Vanderwaltozyma polyspora

EUKY\_68 Lindgomyces ingoldianus

EUKY\_111 Bigelowiella natans

EUKY\_88 Aigialus grandis

EUKY\_107 Zygosaccharomyces rouxii

EUKY\_326 Hydra magnipapillata

EUKY\_212 Aplysina fulva

EUKY\_311 Parahaemoproteus vireonis

EUKY\_248 Metarhizium anisopliae

EUKY\_65 Hysterobrevium mori

EUKY\_129 Chrysodidymus synuroideus

EUKY\_155 Odontella sinensis

EUKY\_38 Aureococcus anophagefferens

EUKY\_222 Nakaseomyces bacillisporus

EUKY\_34 Synedra acus

EUKY\_86 Hysterium barrianum

EUKY\_94 Capnodium salicinum

EUKY\_106 Kluyveromyces thermotolerans

EUKY\_308 Leucocytozoon fringillinarum

EUKY\_325 Blastocladiella emersonii

EUKY\_100 Aspergillus fumigatus

EUKY\_156 Euglena gracilis

EUKY\_84 Leptosphaerulina australis

EUKY\_315 Chaetomium globosum

EUKY\_196 Trichophyton rubrum

EUKY\_209 Iotrochota birotulata

EUKY\_195 Glomus intraradices

EUKY\_157 Hanseniaspora uvarum

EUKY\_18 Alveolata sp.

EUKY\_320 Tilletia walkeri

EUKY\_73 Dissoconium commune

EUKY\_90 Spencermartinsia viticola

EUKY\_294 Ricordea florida

EUKY\_50 Microsporum canis

EUKY\_227 Hypocrea lixii

EUKY\_69 Gloniopsis arciformis

EUKY\_108 Plasmodium knowlesi

EUKY\_202 Hippospongia lachne

EUKY\_76 Catinella olivacea

EUKY\_49 Candida maltosa

EUKY\_281 Seriatopora hystrix

EUKY\_48 Saccharomyces cerevisiae

EUKY\_284 Savalia savaglia

EUKY\_8 Acanella eburnea

EUKY\_114 Trypanosoma brucei

EUKY\_236 Negombata magnifica

EUKY\_167 Candida metapsilosis

EUKY\_210 Callyspongia plicifera

EUKY\_223 Candida castellii

EUKY\_64 Quadricrura septentrionalis

EUKY\_208 Chondrilla aff.

EUKY\_55 Oltmannsiellopsis viridis

EUKY\_56 Emiliania huxleyi

EUKY\_40 Yarrowia lipolytica

EUKY\_231 Cyanidium caldarium

EUKY\_44 Cordyceps brongniartii

EUKY\_242 Ustilago maydis

EUKY\_21 Paramecium aurelia

EUKY\_11 Micromonas pusilla

EUKY\_67 Lindgomyces breviappendiculatus

EUKY\_277 Hypocrea jecorina

EUKY\_171 Lecanicillium muscarium

EUKY\_52 Magnaporthe oryzae

EUKY\_165 Pichia farinosa

EUKY\_288 Pavona clavus

EUKY\_105 Pedinomonas minor

EUKY\_135 Pichia pastoris

EUKY\_164 Chattonella marina

EUKY\_185 Saccharina religiosa

EUKY\_101 Plasmodium reichenowi

EUKY\_312 Plasmodium fragile

EUKY\_102 Tetrahymena pyriformis

EUKY\_234 Aphrocallistes vastus

EUKY\_126 Ochromonas danica

EUKY\_310 Haemoproteus columbae

EUKY\_286 Siderastrea radians

EUKY\_293 Agaricia humilis

EUKY\_77 Astrosphaeriella aggregata

EUKY\_254 Laminaria digitata

EUKY\_205 Xestospongia muta

EUKY\_19 Chromera velia

EUKY\_237 Plasmodium floridense

EUKY\_206 Ectyoplasia ferox

EUKY\_217 Geodia neptuni

EUKY\_251 Aspergillus tubingensis

EUKY\_170 Pseudendoclonium akinetum

EUKY\_269 Schizophyllum commune

EUKY\_46 Plasmodium vivax

EUKY\_134 Encephalitozoon cuniculi

EUKY\_91 Guignardia bidwellii

EUKY\_1 Pythium ultimum

EUKY\_199 Vaceletia sp.

EUKY\_138 Candida albicans

EUKY\_224 Nakaseomyces delphensis

EUKY\_241 Aurelia aurita

EUKY\_22 Plasmodium falciparum

EUKY\_83 Lophiotrema brunneosporum

EUKY\_131 Prototheca wickerhamii

EUKY\_198 Cinachyrella kuekenthali

EUKY\_6 Floydiella terrestris

EUKY\_148 Leptosira terrestris

EUKY\_324 Plasmodium juxtanucleare

EUKY\_296 Pseudopterogorgia bipinnata

EUKY\_207 Ptilocaulis walpersi

EUKY\_149 Rhodomonas salina

EUKY\_323 Mycosphaerella graminicola

EUKY\_301 Montastraea franksi

EUKY\_292 Astrangia sp.

EUKY\_62 Venturia inaequalis

EUKY\_141 Bryopsis hypnoides

EUKY\_203 Agelas schmidti

EUKY\_244 Tetrahymena paravorax

EUKY\_27 Schizosaccharomyces pombe

EUKY\_279 Madracis mirabilis

EUKY\_30 Trametes cingulata

EUKY\_12 Cryptococcus neoformans

EUKY\_162 Saccharomyces castellii

EUKY\_93 Dothidea insculpta

EUKY\_42 Kryptoperidinium foliaceum

EUKY\_330 Fusarium proliferatum

EUKY\_81 Mytilinidion resinicola

EUKY\_247 Nephroselmis olivacea

EUKY\_127 Physarum polycephalum

EUKY\_43 Paramecium caudatum

EUKY\_235 Suberites domuncula

EUKY\_178 Aspergillus niger

EUKY\_96 Coprinus comatus

EUKY\_303 Gracilaria tenuistipitata

EUKY\_3 Candida subhashii

EUKY\_29 Hartmannella vermiformis

EUKY\_285 Chrysopathes formosa

EUKY\_142 Parachlorella kessleri

EUKY\_328 Pichia canadensis

EUKY\_13 Ostreococcus lucimarinus

EUKY\_28 Gibberella zeae

EUKY\_259 Dictyostelium firmibasis

EUKY\_31 Candida sojae

EUKY\_74 Corynespora cassiicola

EUKY\_60 Tetraplosphaeria sasicola

EUKY\_268 Schizosaccharomyces japonicus

EUKY\_89 Westerdykella cylindrica

EUKY\_80 Oedohysterium insidens

EUKY\_252 Saprolegnia ferax

EUKY\_270 Cafeteria roenbergensis

EUKY\_186 Saccharina japonica

EUKY\_99 Trichoplax adhaerens

EUKY\_9 Naegleria gruberi

EUKY\_5 Phakopsora pachyrhizi

EUKY\_219 Keratoisidinae sp.

EUKY\_272 Polytomella capuana

EUKY\_121 Smittium culisetae

EUKY\_20 Reclinomonas americana

EUKY\_113 Leishmania braziliensis

EUKY\_246 Aspergillus oryzae

EUKY\_256 Gracilaria chilensis

EUKY\_24 Brettanomyces custersianus

EUKY\_175 Pneumocystis carinii

EUKY\_161 Saccharomyces servazzii

EUKY\_188 Aspergillus nidulans

EUKY\_181 Saccharina angustata

EUKY\_192 Arthroderma obtusum

EUKY\_39 Scheffersomyces stipitis

EUKY\_110 Paulinella chromatophora

EUKY\_176 Ircinia strobilina

EUKY\_128 Scenedesmus obliquus

EUKY\_98 Placozoan sp.

EUKY\_317 Phytophthora ramorum

EUKY\_7 Proteromonas lacertae

EUKY\_45 Hydra oligactis

EUKY\_54 Podospora anserina

EUKY\_153 Euglena longa

EUKY\_41 Durinskia baltica

EUKY\_92 Aliquandostipite khaoyaiensis

EUKY\_158 Epidermophyton floccosum

EUKY\_264 Zygosaccharomyces fermentati

EUKY\_260 Dictyostelium giganteum

EUKY\_214 Amphimedon compressa

VIRL\_134 Abaca bunchy top virus DNA-M

VIRL\_136 Abaca bunchy top virus DNA-N

VIRL\_133 Abaca bunchy top virus DNA-R

VIRL\_135 Abaca bunchy top virus DNA-S

VIRL\_2784 Abaca bunchy top virus segment 2

VIRL\_2783 Abaca bunchy top virus segment 5

VIRL\_2740 Abalone shriveling syndrome-associated virus

VIRL\_1325 Abelson murine leukemia virus

VIRL\_271 Abutilon Brazil virus DNA A

VIRL\_270 Abutilon Brazil virus DNA B

VIRL\_3400 Abutilon mosaic virus DNA A

VIRL\_3399 Abutilon mosaic virus DNA B

VIRL\_1101 Acanthamoeba polyphaga mimivirus

VIRL\_1883 Acanthocystis turfacea Chlorella virus 1

VIRL\_2422 Acheta domesticus densovirus

VIRL\_2398 Acholeplasma phage L2

VIRL\_2402 Acholeplasma phage MV-L1

VIRL\_1716 Acidianus bottle-shaped virus

VIRL\_640 Acidianus filamentous virus 1

VIRL\_557 Acidianus filamentous virus 2

VIRL\_546 Acidianus filamentous virus 3

VIRL\_549 Acidianus filamentous virus 6

VIRL\_548 Acidianus filamentous virus 7

VIRL\_547 Acidianus filamentous virus 8

VIRL\_540 Acidianus filamentous virus 9

VIRL\_554 Acidianus rod-shaped virus 1

VIRL\_466 Acidianus spindle-shaped virus 1

VIRL\_604 Acidianus two-tailed virus

VIRL\_2622 Acinetobacter phage AP205

VIRL\_3505 Aconitum latent virus

VIRL\_2537 Actinomyces phage Av-1

VIRL\_2077 Actinoplanes phage phiAsp2

VIRL\_3354 Acute bee paralysis virus

VIRL\_2628 Acyrthosiphon pisum bacteriophage APSE-1

VIRL\_1216 Acyrthosiphon pisum virus

VIRL\_920 Adeno-associated virus - 1

VIRL\_3486 Adeno-associated virus - 2

VIRL\_218 Adeno-associated virus - 3

VIRL\_922 Adeno-associated virus - 4

VIRL\_905 Adeno-associated virus - 7

VIRL\_904 Adeno-associated virus - 8

VIRL\_2929 Adeno-associated virus 5

VIRL\_2119 Adoxophyes honmai NPV

VIRL\_1142 Adoxophyes orana granulovirus

VIRL\_3533 Adoxophyes orana nucleopolyhedrovirus

VIRL\_3577 Adult diarrheal rotavirus strain J19

VIRL\_3575 Adult diarrheal rotavirus strain J19

VIRL\_3574 Adult diarrheal rotavirus strain J19

VIRL\_3576 Adult diarrheal rotavirus strain J19

VIRL\_3570 Adult diarrheal rotavirus strain J19

VIRL\_3571 Adult diarrheal rotavirus strain J19

VIRL\_3573 Adult diarrheal rotavirus strain J19

VIRL\_3578 Adult diarrheal rotavirus strain J19

VIRL\_3572 Adult diarrheal rotavirus strain J19

VIRL\_2883 Adult diarrheal rotavirus strain J19

VIRL\_2884 Adult diarrheal rotavirus strain J19

VIRL\_826 Aedes aegypti densovirus

VIRL\_2155 Aedes albopictus densovirus

VIRL\_125 Aedes flavivirus

VIRL\_1567 Aedes pseudoscutellaris reovirus segment 1

VIRL\_1566 Aedes pseudoscutellaris reovirus segment 2

VIRL\_1565 Aedes pseudoscutellaris reovirus segment 3

VIRL\_1564 Aedes pseudoscutellaris reovirus segment 4

VIRL\_1563 Aedes pseudoscutellaris reovirus segment 5

VIRL\_1562 Aedes pseudoscutellaris reovirus segment 6

VIRL\_1561 Aedes pseudoscutellaris reovirus segment 7

VIRL\_1560 Aedes pseudoscutellaris reovirus segment 8

VIRL\_1559 Aedes pseudoscutellaris reovirus segment 9

VIRL\_1927 Aedes taeniorhynchus iridescent virus

VIRL\_586 Aeromonas phage 25

VIRL\_617 Aeromonas phage 31

VIRL\_648 Aeromonas phage 44RR2.8t

VIRL\_646 Aeromonas phage Aeh1

VIRL\_560 Aeromonas phage phiO18P

VIRL\_2493 African cassava mosaic virus DNA A

VIRL\_2492 African cassava mosaic virus DNA B

VIRL\_656 African green monkey polyomavirus

VIRL\_165 African horsesickness virus chromosome segment 5

VIRL\_351 African horsesickness virus chromosome segment 9

VIRL\_745 African horsesickness virus segment 1

VIRL\_2946 African horsesickness virus segment 10

VIRL\_1021 African horsesickness virus segment 2

VIRL\_2938 African horsesickness virus segment 3

VIRL\_2943 African horsesickness virus segment 4

VIRL\_2937 African horsesickness virus segment 6

VIRL\_2944 African horsesickness virus segment 7

VIRL\_2939 African horsesickness virus segment 8

VIRL\_2669 African oil palm ringspot virus

VIRL\_1272 African swine fever virus

VIRL\_3289 Ageratum enation virus

VIRL\_2642 Ageratum leaf Cameroon betasatellite

VIRL\_3014 Ageratum leaf curl disease associated sequence virion

VIRL\_2061 Ageratum leaf curl virus - [G52]

VIRL\_2722 Ageratum yellow leaf curl beta ‚Äì [Pakistan:Lahore

VIRL\_3126 Ageratum yellow vein China virus

VIRL\_2896 Ageratum yellow vein China virus-associated DNA beta

VIRL\_853 Ageratum yellow vein Hualian virus-[Taiwan:Hsinchu:2003] DNA A

VIRL\_919 Ageratum yellow vein Sri Lanka virus segment A

VIRL\_3044 Ageratum yellow vein Taiwan virus

VIRL\_3045 Ageratum yellow vein virus

VIRL\_1507 Ageratum yellow vein virus-associated DNA 1

VIRL\_3294 Ageratum yellow vein virus-associated DNA beta

VIRL\_279 Aggregatibacter phage S1249

VIRL\_1454 Agropyron mosaic virus

VIRL\_1598 Agrotis ipsilon multiple nucleopolyhedrovirus

VIRL\_975 Agrotis segetum granulovirus

VIRL\_955 Agrotis segetum nucleopolyhedrovirus

VIRL\_3402 Aichi virus

VIRL\_1673 Akabane virus segment L

VIRL\_2801 Akabane virus segment M

VIRL\_2800 Akabane virus segment S

VIRL\_61 Alcelaphine herpesvirus 1

VIRL\_1271 Aleutian mink disease virus

VIRL\_2386 Alfalfa mosaic virus RNA 1

VIRL\_3462 Alfalfa mosaic virus RNA 2

VIRL\_3461 Alfalfa mosaic virus RNA 3

VIRL\_1539 Algerian watermelon mosaic virus

VIRL\_3067 Alkhurma virus

VIRL\_845 Allamanda leaf curl virus DNA-A

VIRL\_1584 Allium virus X

VIRL\_1660 Allpahuayo virus segment L

VIRL\_2787 Allpahuayo virus segment S

VIRL\_2004 Alstroemeria virus x

VIRL\_1957 Alternanthera mosaic virus

VIRL\_2893 Alternanthera yellow vein virus DNA-A

VIRL\_1698 Alternanthera yellow vein virus satellite DNA beta

VIRL\_1299 Alternaria alternata dsRNA mycovirus segment L

VIRL\_1292 Alternaria alternata dsRNA mycovirus segment M1

VIRL\_1291 Alternaria alternata dsRNA mycovirus segment M2

VIRL\_1290 Alternaria alternata dsRNA mycovirus segment S

VIRL\_2788 Amapari virus segment L

VIRL\_2789 Amapari virus segment S

VIRL\_2795 Amasya cherry disease associated chrysovirus segment 1

VIRL\_2796 Amasya cherry disease associated chrysovirus segment 2

VIRL\_2797 Amasya cherry disease associated chrysovirus segment 3

VIRL\_2798 Amasya cherry disease associated chrysovirus segment 4

VIRL\_2918 Amasya cherry disease-associated mycovirus

VIRL\_2919 Amasya cherry disease-associated mycovirus

VIRL\_2963 Ambystoma tigrinum virus

VIRL\_3650 American grass carp reovirus segment 1

VIRL\_3642 American grass carp reovirus segment 10

VIRL\_3641 American grass carp reovirus segment 11

VIRL\_3649 American grass carp reovirus segment 2

VIRL\_3648 American grass carp reovirus segment 3

VIRL\_3647 American grass carp reovirus segment 4

VIRL\_2777 American grass carp reovirus segment 5

VIRL\_3646 American grass carp reovirus segment 6

VIRL\_3645 American grass carp reovirus segment 7

VIRL\_3644 American grass carp reovirus segment 8

VIRL\_3643 American grass carp reovirus segment 9

VIRL\_1233 American plum line pattern virus RNA1

VIRL\_1232 American plum line pattern virus RNA2

VIRL\_1231 American plum line pattern virus RNA3

VIRL\_686 Amsacta moorei entomopoxvirus 'L'

VIRL\_3514 Anagyris vein yellowing virus

VIRL\_1229 Andes virus segment L

VIRL\_1230 Andes virus segment M

VIRL\_3284 Andes virus segment S

VIRL\_1332 Angelonia flower break virus

VIRL\_767 Anguillid herpesvirus 1

VIRL\_3562 Anopheles gambiae densonucleosis virus

VIRL\_2859 Antheraea pernyi nucleopolyhedrovirus

VIRL\_1900 Anticarsia gemmatalis nucleopolyhedrovirus

VIRL\_1194 Aphid lethal paralysis virus

VIRL\_2248 Apoi virus

VIRL\_3483 Apple chlorotic leaf spot virus

VIRL\_2219 Apple latent spherical virus segment 1

VIRL\_2218 Apple latent spherical virus segment 2

VIRL\_2308 Apple mosaic virus RNA 1

VIRL\_2307 Apple mosaic virus RNA 2

VIRL\_3275 Apple mosaic virus RNA 3

VIRL\_3423 Apple stem grooving virus

VIRL\_3285 Apple stem pitting virus

VIRL\_2407 Apricot pseudo-chlorotic leaf spot virus

VIRL\_1979 Aquareovirus A segment 1

VIRL\_1441 Aquareovirus A segment 10

VIRL\_1440 Aquareovirus A segment 11

VIRL\_2875 Aquareovirus A segment 2

VIRL\_1978 Aquareovirus A segment 3

VIRL\_1444 Aquareovirus A segment 4

VIRL\_1439 Aquareovirus A segment 6

VIRL\_1443 Aquareovirus A segment 8

VIRL\_1442 Aquareovirus A segment 9

VIRL\_2295 Arabis mosaic virus large satellite RNA

VIRL\_2931 Arabis mosaic virus RNA 1

VIRL\_2932 Arabis mosaic virus RNA 2

VIRL\_2384 Arabis mosaic virus small satellite RNA

VIRL\_1888 Archaeal BJ1 virus

VIRL\_2403 Artichoke mottled crinkle virus

VIRL\_1364 Asparagus virus 2 RNA 1

VIRL\_1363 Asparagus virus 2 RNA 2

VIRL\_1595 Asparagus virus 2 RNA 3

VIRL\_1648 Asparagus virus 3

VIRL\_3549 Astrovirus MLB1

VIRL\_50 Astrovirus MLB1 HK05

VIRL\_1341 Astrovirus VA1

VIRL\_695 Ateline herpesvirus 3

VIRL\_2306 Atkinsonella hypoxylon partitivirus RNA 1

VIRL\_2305 Atkinsonella hypoxylon partitivirus RNA 2

VIRL\_2304 Atkinsonella hypoxylon partitivirus RNA 3

VIRL\_1036 Atlantic salmon swim bladder sarcoma virus

VIRL\_1493 Aura virus

VIRL\_1236 Australian bat lyssavirus

VIRL\_764 Autographa californica nucleopolyhedrovirus

VIRL\_3021 Avian adeno-associated virus ATCC VR-865

VIRL\_205 Avian adeno-associated virus strain DA-1

VIRL\_2400 Avian carcinoma virus

VIRL\_3136 Avian encephalomyelitis virus

VIRL\_2953 Avian endogenous retrovirus EAV-HP

VIRL\_2494 Avian infectious bronchitis virus

VIRL\_3484 Avian leukosis virus - RSA

VIRL\_2871 Avian metapneumovirus

VIRL\_1264 Avian myelocytomatosis virus

VIRL\_990 Avian paramyxovirus 6

VIRL\_987 Avian sapelovirus

VIRL\_2709 Azospirillum phage Cd

VIRL\_1552 Bacillus phage 0305phi8-36

VIRL\_515 Bacillus phage AP50

VIRL\_2608 Bacillus phage B103

VIRL\_2588 Bacillus phage Bam35c

VIRL\_1569 Bacillus phage BCJA1c

VIRL\_2003 Bacillus phage Cherry

VIRL\_1954 Bacillus phage Fah

VIRL\_2624 Bacillus phage GA-1

VIRL\_2889 Bacillus phage Gamma

VIRL\_2568 Bacillus phage GIL16c

VIRL\_3586 Bacillus phage IEBH

VIRL\_2715 Bacillus phage phi105

VIRL\_536 Bacillus phage phi29

VIRL\_2365 Bacillus phage SPBc2

VIRL\_1343 Bacillus phage SPO1

VIRL\_2424 Bacillus phage SPP1

VIRL\_507 Bacillus phage TP21-L

VIRL\_2560 Bacillus phage WBeta

VIRL\_1395 Bacillus prophage phBC6A51

VIRL\_1394 Bacillus prophage phBC6A52

VIRL\_1687 Bacillus virus 1

VIRL\_2413 Bacteriophage Aaphi23

VIRL\_511 Bacteriophage APSE-2

VIRL\_2680 Bacteriophage PSA

VIRL\_3584 Bacteroides phage B40-8

VIRL\_2666 Bagaza virus

VIRL\_3437 Bamboo mosaic virus

VIRL\_1228 Bamboo mosaic virus satellite RNA

VIRL\_429 Banana bract mosaic virus

VIRL\_3276 Banana bunchy top virus DNA 1

VIRL\_3280 Banana bunchy top virus DNA 2

VIRL\_3282 Banana bunchy top virus DNA 3

VIRL\_3281 Banana bunchy top virus DNA 4

VIRL\_3278 Banana bunchy top virus DNA 5

VIRL\_3279 Banana bunchy top virus DNA 6

VIRL\_3637 Banana mild mosaic virus

VIRL\_1446 Banana streak GF virus

VIRL\_2911 Banana streak Mysore virus

VIRL\_2311 Banana streak OL virus

VIRL\_2861 Banana streak virus

VIRL\_3669 Banana streak virus strain Acuminata Vietnam

VIRL\_550 Bandicoot papillomatosis carcinomatosis virus type 1

VIRL\_537 Bandicoot papillomatosis carcinomatosis virus type 2

VIRL\_147 Banna virus segment 1

VIRL\_3106 Banna virus segment 10

VIRL\_3107 Banna virus segment 11

VIRL\_3108 Banna virus segment 12

VIRL\_146 Banna virus segment 2

VIRL\_145 Banna virus segment 3

VIRL\_144 Banna virus segment 4

VIRL\_143 Banna virus segment 5

VIRL\_142 Banna virus segment 6

VIRL\_3103 Banna virus segment 7

VIRL\_3104 Banna virus segment 8

VIRL\_3105 Banna virus segment 9

VIRL\_1327 Barfin flounder nervous necrosis virus RNA 1

VIRL\_1326 Barfin flounder nervous necrosis virus RNA 2

VIRL\_2646 Barfin flounder virus BF93Hok RNA1

VIRL\_2645 Barfin flounder virus BF93Hok RNA2

VIRL\_855 Barley dwarf virus

VIRL\_3272 Barley mild mosaic virus RNA 1

VIRL\_3273 Barley mild mosaic virus RNA2

VIRL\_3283 Barley stripe mosaic virus RNA 1

VIRL\_3274 Barley stripe mosaic virus RNA 2

VIRL\_3277 Barley stripe mosaic virus RNA 3

VIRL\_2246 Barley yellow dwarf virus - MAV

VIRL\_2415 Barley yellow dwarf virus - PAV

VIRL\_1190 Barley yellow dwarf virus-GAV

VIRL\_2352 Barley yellow dwarf virus-PAS

VIRL\_3343 Barley yellow mosaic virus RNA 1

VIRL\_3342 Barley yellow mosaic virus RNA 2

VIRL\_2474 Barmah Forest virus

VIRL\_432 Basella rugose mosaic virus

VIRL\_33 Bat adeno-associated virus YNM

VIRL\_3672 Bat coronavirus (BtCoV/133/2005)

VIRL\_1545 Bat coronavirus 1A

VIRL\_1546 Bat coronavirus 1B

VIRL\_52 Bat coronavirus BM48-31/BGR/2008

VIRL\_2794 Bat coronavirus HKU2

VIRL\_2811 Bat coronavirus HKU3

VIRL\_2834 Bat coronavirus HKU4-1

VIRL\_2833 Bat coronavirus HKU5-1

VIRL\_1544 Bat coronavirus HKU8

VIRL\_2832 Bat coronavirus HKU9-1

VIRL\_138 Bat SARS CoV Rf1/2004

VIRL\_137 Bat SARS CoV Rm1/2004

VIRL\_1688 Bat SARS CoV Rp3/2004

VIRL\_1516 Bdellovibrio phage phiMH2K

VIRL\_921 Beak and feather disease virus

VIRL\_2300 Bean calico mosaic virus DNA A

VIRL\_2299 Bean calico mosaic virus DNA B

VIRL\_3130 Bean common mosaic necrosis virus

VIRL\_3296 Bean common mosaic virus

VIRL\_1531 Bean dwarf mosaic virus DNA A

VIRL\_1532 Bean dwarf mosaic virus DNA B

VIRL\_2176 Bean golden mosaic virus DNA A

VIRL\_2175 Bean golden mosaic virus DNA B

VIRL\_3476 Bean golden yellow mosaic virus DNA A

VIRL\_3477 Bean golden yellow mosaic virus DNA B

VIRL\_372 Bean leafroll virus

VIRL\_3268 Bean pod mottle virus RNA 1

VIRL\_3269 Bean pod mottle virus RNA 2

VIRL\_1646 Bean yellow dis virus RNA 1

VIRL\_1645 Bean yellow dis virus RNA 2

VIRL\_3270 Bean yellow dwarf virus

VIRL\_3271 Bean yellow mosaic virus

VIRL\_2786 Bear Canyon virus segment L

VIRL\_2785 Bear Canyon virus segment S

VIRL\_3061 Beet black scorch virus

VIRL\_1309 Beet black scorch virus satellite RNA

VIRL\_3345 Beet chlorosis virus

VIRL\_445 Beet cryptic virus 1 RNA 1

VIRL\_444 Beet cryptic virus 1 RNA 2

VIRL\_2779 Beet curly top Iran virus-[K]

VIRL\_2497 Beet curly top virus - California [Logan]

VIRL\_3025 Beet mild curly top virus - [Worland4]

VIRL\_2436 Beet mild yellowing virus

VIRL\_2973 Beet mosaic virus

VIRL\_3265 Beet necrotic yellow vein virus RNA 1

VIRL\_2434 Beet necrotic yellow vein virus RNA 2

VIRL\_3264 Beet necrotic yellow vein virus RNA 3

VIRL\_3263 Beet necrotic yellow vein virus RNA 4

VIRL\_3266 Beet necrotic yellow vein virus RNA 5

VIRL\_1320 Beet pseudo-yellows virus RNA 1

VIRL\_1319 Beet pseudo-yellows virus RNA 2

VIRL\_2244 Beet ringspot virus RNA 1

VIRL\_2243 Beet ringspot virus RNA 2

VIRL\_3024 Beet severe curly top virus - Cfh

VIRL\_3508 Beet soil-borne mosaic virus RNA 2

VIRL\_3507 Beet soil-borne mosaic virus RNA1

VIRL\_1227 Beet soil-borne mosaic virus RNA3

VIRL\_1226 Beet soil-borne mosaic virus RNA4

VIRL\_3260 Beet soil-borne virus RNA 1

VIRL\_3262 Beet soil-borne virus RNA 2

VIRL\_3261 Beet soil-borne virus RNA 3

VIRL\_1579 Beet virus Q RNA 1

VIRL\_2297 Beet virus Q RNA 2

VIRL\_2296 Beet virus Q RNA 3

VIRL\_1207 Beet western yellows ST9 associated virus

VIRL\_2115 Beet western yellows virus

VIRL\_3444 Beet yellows virus

VIRL\_2910 Begomovirus-associated DNA-II

VIRL\_1447 Begomovirus-associated DNA-III

VIRL\_1955 Beilong virus

VIRL\_1689 Bell pepper mottle tobamovirus

VIRL\_993 Beluga Whale coronavirus SW1

VIRL\_265 Bettongia penicillata papillomavirus 1

VIRL\_2685 Bhendi yellow vein Bhubhaneswar virus DNA-A

VIRL\_1594 Bhendi yellow vein Delhi virus [2004:New Delhi] DNA-A

VIRL\_3290 Bhendi yellow vein mosaic virus

VIRL\_3293 Bhendi yellow vein mosaic virus-associated DNA beta

VIRL\_175 Bidens mottle virus

VIRL\_1035 Bitter gourd leaf curl disease-associated DNA beta

VIRL\_723 BK polyomavirus

VIRL\_2399 Black beetle virus

VIRL\_2357 Black beetle virus RNA 2

VIRL\_366 Black queen cell virus

VIRL\_434 Black raspberry necrosis virus RNA1

VIRL\_770 Black raspberry necrosis virus RNA2

VIRL\_1677 Black raspberry virus F

VIRL\_446 Blackberry chlorotic ringspot virus

VIRL\_448 Blackberry chlorotic ringspot virus RNA1

VIRL\_447 Blackberry chlorotic ringspot virus RNA2

VIRL\_3660 Blackberry virus Y

VIRL\_425 Blackberry yellow vein-associated virus RNA1

VIRL\_141 Blackberry yellow vein-associated virus RNA2

VIRL\_2301 Blackcurrant reversion virus RNA 2

VIRL\_2298 Blackcurrant reversion virus RNA1

VIRL\_1214 Blackcurrant reversion virus satellite RNA

VIRL\_848 Blainvillea yellow spot virus DNA-A

VIRL\_847 Blainvillea yellow spot virus DNA-B

VIRL\_909 Blattella germanica densovirus

VIRL\_2076 Blotched snakehead virus

VIRL\_2075 Blotched snakehead virus

VIRL\_760 Blueberry red ringspot virus

VIRL\_2435 Blueberry scorch virus

VIRL\_2935 Bluetongue virus segment 1

VIRL\_2940 Bluetongue virus segment 10

VIRL\_2942 Bluetongue virus segment 2

VIRL\_2941 Bluetongue virus segment 3

VIRL\_2934 Bluetongue virus segment 4

VIRL\_2933 Bluetongue virus segment 5

VIRL\_2945 Bluetongue virus segment 6

VIRL\_2936 Bluetongue virus segment 7

VIRL\_2948 Bluetongue virus segment 8

VIRL\_2947 Bluetongue virus segment 9

VIRL\_76 Bocavirus gorilla/GBoV1/2009

VIRL\_407 Bombyx mandarina nucleopolyhedrovirus

VIRL\_2702 Bombyx mori cypovirus 1 satellite RNA

VIRL\_2154 Bombyx mori densovirus 5

VIRL\_387 Bombyx mori NPV

VIRL\_2162 Boolarra virus RNA 2

VIRL\_1197 Boolarra virus RNA1

VIRL\_3222 B disease virus X818

VIRL\_2409 Bordetella phage BIP-1

VIRL\_2410 Bordetella phage BMP-1

VIRL\_2584 Bordetella phage BPP-1

VIRL\_36 Borna disease virus

VIRL\_1652 Botryotinia fuckeliana partitivirus 1 RNA1

VIRL\_1651 Botryotinia fuckeliana partitivirus 1 RNA2

VIRL\_1650 Botryotinia fuckeliana partitivirus 1 RNA3

VIRL\_1722 Botryotinia fuckeliana totivirus 1

VIRL\_3551 Botrytis cinerea debilitation-related virus

VIRL\_1248 Botrytis virus F

VIRL\_1134 Botrytis virus X

VIRL\_3509 Bougainvillea spectabilis chlorotic vein-banding virus

VIRL\_229 Bovine adeno-associated virus

VIRL\_2063 Bovine adenovirus A

VIRL\_1357 Bovine adenovirus B

VIRL\_2366 Bovine adenovirus B

VIRL\_2324 Bovine adenovirus D

VIRL\_3319 Bovine coronavirus

VIRL\_3411 Bovine enterovirus

VIRL\_1519 Bovine ephemeral fever virus

VIRL\_1266 Bovine foamy virus

VIRL\_63 Bovine herpesvirus 1

VIRL\_683 Bovine herpesvirus 4

VIRL\_262 Bovine herpesvirus 5

VIRL\_3482 Bovine immunodeficiency virus

VIRL\_2149 Bovine kobuvirus

VIRL\_3481 Bovine leukemia virus

VIRL\_728 Bovine papillomavirus - 1

VIRL\_166 Bovine papillomavirus - 11

VIRL\_660 Bovine papillomavirus 3

VIRL\_559 Bovine papillomavirus 8

VIRL\_661 Bovine papillomavirus type 5

VIRL\_544 Bovine papillomavirus-10

VIRL\_545 Bovine papillomavirus-9

VIRL\_643 Bovine papular stomatitis virus

VIRL\_3369 Bovine parainfluenza virus 3

VIRL\_1280 Bovine parvovirus

VIRL\_2064 Bovine parvovirus 2

VIRL\_734 Bovine polyomavirus

VIRL\_118 Bovine respiratory coronavirus AH187

VIRL\_117 Bovine respiratory coronavirus bovine/US/OH-440-TC/1996

VIRL\_1315 Bovine respiratory syncytial virus

VIRL\_981 Bovine rhinitis B virus

VIRL\_3470 Bovine viral diarrhea virus 1

VIRL\_963 Bovine viral diarrhea virus 3 Th/04\_KhonKaen

VIRL\_3414 Bovine viral diarrhea virus genotype 2

VIRL\_1080 Breda virus

VIRL\_1712 Brevicoryne brassicae picorna-like virus

VIRL\_2183 Broad bean mottle virus RNA 1

VIRL\_3134 Broad bean mottle virus RNA 2

VIRL\_2184 Broad bean mottle virus RNA 3

VIRL\_2148 Broad bean necrosis virus RNA 1

VIRL\_2147 Broad bean necrosis virus RNA 2

VIRL\_2146 Broad bean necrosis virus RNA 3

VIRL\_2978 Broad bean wilt virus 1 RNA 1

VIRL\_2977 Broad bean wilt virus 1 RNA 2

VIRL\_3341 Broad bean wilt virus 2 RNA1

VIRL\_3340 Broad bean wilt virus 2 RNA2

VIRL\_3460 Brome mosaic virus RNA 1

VIRL\_3459 Brome mosaic virus RNA 2

VIRL\_3458 Brome mosaic virus RNA 3

VIRL\_2302 Brome streak mosaic virus

VIRL\_249 Broome virus segment L1

VIRL\_248 Broome virus segment L2

VIRL\_247 Broome virus segment L3

VIRL\_246 Broome virus segment M1

VIRL\_245 Broome virus segment M2

VIRL\_244 Broome virus segment M3

VIRL\_243 Broome virus segment S1

VIRL\_242 Broome virus segment S2

VIRL\_241 Broome virus segment S3

VIRL\_240 Broome virus segment S4

VIRL\_428 Brugmansia mild mottle virus

VIRL\_11 Brugmansia suaveolens mottle virus

VIRL\_655 Budgerigar fledgling disease polyomavirus

VIRL\_164 Bundibugyo ebolavirus

VIRL\_2363 Bunyamwera virus L segment

VIRL\_3401 Bunyamwera virus M segment

VIRL\_176 Bunyamwera virus segment S

VIRL\_1727 Burkholderia ambifaria phage BcepF1

VIRL\_2587 Burkholderia phage Bcep1

VIRL\_2001 Burkholderia phage Bcep176

VIRL\_2091 Burkholderia phage Bcep22

VIRL\_2585 Burkholderia phage Bcep43

VIRL\_2601 Burkholderia phage Bcep781

VIRL\_2577 Burkholderia phage BcepB1A

VIRL\_2576 Burkholderia phage BcepC6B

VIRL\_562 Burkholderia phage BcepGomr

VIRL\_1413 Burkholderia phage BcepIL02

VIRL\_2578 Burkholderia phage BcepMu

VIRL\_2098 Burkholderia phage BcepNazgul

VIRL\_2538 Burkholderia phage BcepNY3

VIRL\_2686 Burkholderia phage KS10

VIRL\_148 Burkholderia phage KS9

VIRL\_2088 Burkholderia phage phi1026b

VIRL\_748 Burkholderia phage phi644-2 chromosome

VIRL\_416 Burkholderia phage phiE12-2 chromosome

VIRL\_2616 Burkholderia phage phiE125

VIRL\_417 Burkholderia phage phiE202 chromosome

VIRL\_415 Burkholderia phage phiE255 chromosome

VIRL\_606 Burkholderia prophage phi52237

VIRL\_1381 Bussuquara virus

VIRL\_1027 Butterbur mosaic virus

VIRL\_3150 Cabbage leaf curl virus DNA A

VIRL\_3146 Cabbage leaf curl virus DNA B

VIRL\_261 Cacao swollen shoot virus

VIRL\_1365 Cactus mild mottle virus

VIRL\_746 Cactus virus X

VIRL\_103 Calicivirus isolate Allston 2008/US

VIRL\_104 Calicivirus isolate Allston 2009/US

VIRL\_2044 Calicivirus isolate TCG

VIRL\_954 Calicivirus pig/AB90/CAN

VIRL\_1203 Calicivirus strain NB

VIRL\_827 California sea lion anellovirus

VIRL\_99 California sea lion polyomavirus 1

VIRL\_659 Callitrichine herpesvirus 3

VIRL\_676 Camelpox virus

VIRL\_1153 Campoletis sonorensis ichnovirus chromosome segment W

VIRL\_2862 Campoletis sonorensis ichnovirus segment B

VIRL\_785 Campoletis sonorensis ichnovirus segment C

VIRL\_771 Campoletis sonorensis ichnovirus segment D

VIRL\_784 Campoletis sonorensis ichnovirus segment E

VIRL\_773 Campoletis sonorensis ichnovirus segment F

VIRL\_783 Campoletis sonorensis ichnovirus segment G

VIRL\_782 Campoletis sonorensis ichnovirus segment G2

VIRL\_781 Campoletis sonorensis ichnovirus segment H

VIRL\_780 Campoletis sonorensis ichnovirus segment I

VIRL\_777 Campoletis sonorensis ichnovirus segment I2

VIRL\_779 Campoletis sonorensis ichnovirus segment J

VIRL\_778 Campoletis sonorensis ichnovirus segment L

VIRL\_776 Campoletis sonorensis ichnovirus segment M

VIRL\_2555 Campoletis sonorensis ichnovirus segment N

VIRL\_1952 Campoletis sonorensis ichnovirus segment O1

VIRL\_1951 Campoletis sonorensis ichnovirus segment P

VIRL\_593 Campoletis sonorensis ichnovirus segment Q

VIRL\_1950 Campoletis sonorensis ichnovirus segment T

VIRL\_1949 Campoletis sonorensis ichnovirus segment U

VIRL\_1154 Campoletis sonorensis ichnovirus segment V

VIRL\_774 Campoletis sonorensis ichnovirus segment Z

VIRL\_772 Campoletis sonorensis ichnovirus superhelical segment A

VIRL\_775 Campoletis sonorensis ichnovirus superhelical segment Aprime

VIRL\_3292 Canary circovirus

VIRL\_645 Canarypox virus

VIRL\_3425 Canine adenovirus

VIRL\_3312 Canine adenovirus 1

VIRL\_3301 Canine adenovirus type 2

VIRL\_2141 Canine calicivirus

VIRL\_1258 Canine distemper virus

VIRL\_914 Canine minute virus

VIRL\_710 Canine oral papillomavirus

VIRL\_635 Canine papillomavirus 2

VIRL\_581 Canine papillomavirus 3

VIRL\_543 Canine papillomavirus 4

VIRL\_470 Canine papillomavirus 5

VIRL\_469 Canine papillomavirus 6

VIRL\_600 Canine papillomavirus 7

VIRL\_1281 Canine parvovirus

VIRL\_1337 Canna Yellow Streak Virus

VIRL\_591 Capra hircus papillomavirus type 1

VIRL\_3469 Caprine arthritis-encephalitis virus

VIRL\_1914 Capsicum chlorosis virus segment L

VIRL\_2849 Capsicum chlorosis virus segment M

VIRL\_2850 Capsicum chlorosis virus segment S

VIRL\_220 Cardamine chlorotic fleck virus

VIRL\_1656 Cardiospermum yellow leaf curl virus satellite DNA beta

VIRL\_514 Caretta caretta papillomavirus 1

VIRL\_3267 Carnation etched ring virus

VIRL\_2303 Carnation Italian ringspot virus

VIRL\_2455 Carnation mottle virus

VIRL\_2293 Carnation ringspot virus RNA 1

VIRL\_2292 Carnation ringspot virus RNA 2

VIRL\_3614 Carrot mottle mimic virus

VIRL\_1215 Carrot red leaf luteovirus associated RNA

VIRL\_1108 Carrot red leaf virus

VIRL\_108 Carrot yellow leaf virus

VIRL\_1483 Casphalia extranea densovirus

VIRL\_965 Cassava brown streak virus

VIRL\_2378 Cassava common mosaic virus

VIRL\_3435 Cassava vein mosaic virus

VIRL\_928 Cassava virus C

VIRL\_930 Cassava virus C

VIRL\_929 Cassava virus C

VIRL\_2040 Cassia yellow blotch virus RNA1

VIRL\_2039 Cassia yellow blotch virus RNA2

VIRL\_2038 Cassia yellow blotch virus RNA3

VIRL\_2489 Cauliflower mosaic virus

VIRL\_58 Caviid herpesvirus 2

VIRL\_2382 Cell fusing agent virus

VIRL\_2769 Ceratocystis polonica partitivirus

VIRL\_2770 Ceratocystis polonica partitivirus segment 1

VIRL\_1624 Ceratocystis resinifera partitivirus RNA 1

VIRL\_1625 Ceratocystis resinifera partitivirus RNA 2

VIRL\_342 Cercopithecine herpesvirus 2

VIRL\_149 Cercopithecine herpesvirus 5

VIRL\_377 Cercopithecine herpesvirus 9

VIRL\_2350 Cereal yellow dwarf virus-RPS

VIRL\_3026 Cereal yellow dwarf virus-RPV

VIRL\_2290 Cereal yellow dwarf virus-RPV satellite RNA

VIRL\_1333 Cestrum yellow leaf curling virus

VIRL\_140 Chaetoceros salsugineum DNA virus

VIRL\_1361 Chaetoceros socialis f. radians RNA virus segment 1

VIRL\_206 Chalara elegans RNA Virus 1

VIRL\_3652 Chapare virus segment L

VIRL\_3653 Chapare virus segment S

VIRL\_1582 Chayote mosaic virus

VIRL\_2134 Chayote yellow mosaic virus

VIRL\_513 Chelonia mydas papillomavirus 1

VIRL\_388 Cherry green ring mottle virus

VIRL\_1522 Cherry mottle leaf virus

VIRL\_1251 Cherry necrotic rusty mottle virus

VIRL\_2926 Cherry rasp leaf virus

VIRL\_2925 Cherry rasp leaf virus RNA2

VIRL\_2245 Cherry virus A

VIRL\_2495 Chicken anemia virus

VIRL\_2217 Chicken astrovirus

VIRL\_865 Chickpea chlorotic dwarf Sudan virus

VIRL\_840 Chickpea chlorotic dwarf virus

VIRL\_1918 Chickpea chlorotic stunt virus

VIRL\_2220 Chicory yellow mottle virus large satellite RNA

VIRL\_278 Chicory yellow mottle virus satellite RNA

VIRL\_2059 Chicory yellow mottle virus satellite RNA L1

VIRL\_364 Chikungunya virus

VIRL\_3012 Chilli leaf curl disease associated sequence virion

VIRL\_1371 Chilli leaf curl Multan alphasatellite

VIRL\_3043 Chilli leaf curl virus

VIRL\_2703 Chilli veinal mottle virus

VIRL\_274 Chiltepin yellow mosaic virus

VIRL\_3358 Chinese wheat mosaic virus RNA1

VIRL\_3359 Chinese wheat mosaic virus RNA2

VIRL\_3166 Chino del tomate virus DNA A

VIRL\_3165 Chino del tomate virus DNA B

VIRL\_1344 Chlamydia phage 3

VIRL\_603 Chlamydia phage 4

VIRL\_2632 Chlamydia phage Chp1

VIRL\_2453 Chlamydia phage Chp2

VIRL\_383 Chlamydia phage CPAR39

VIRL\_2467 Chlamydia phage PhiCPG1

VIRL\_1402 Chloris striate mosaic virus

VIRL\_1062 Choristoneura fumiferana DEF MNPV

VIRL\_1469 Choristoneura fumiferana MNPV

VIRL\_1941 Choristoneura occidentalis granulovirus

VIRL\_1430 Chronic bee paralysis virus RNA 1

VIRL\_1429 Chronic bee paralysis virus RNA 2

VIRL\_2830 Chrysanthemum virus B

VIRL\_972 Chrysodeixis chalcites nucleopolyhedrovirus

VIRL\_340 Chum salmon reovirus CS segment 5

VIRL\_339 Chum salmon reovirus CS segment 7

VIRL\_2073 Chuzan virus segment 3

VIRL\_2072 Chuzan virus segment 1

VIRL\_2067 Chuzan virus segment 10

VIRL\_2950 Chuzan virus segment 2

VIRL\_2071 Chuzan virus segment 4

VIRL\_2069 Chuzan virus segment 5

VIRL\_2074 Chuzan virus segment 6

VIRL\_2949 Chuzan virus segment 7

VIRL\_2068 Chuzan virus segment 8

VIRL\_2070 Chuzan virus segment 9

VIRL\_822 Circovirus-like genome BBC-A

VIRL\_815 Circovirus-like genome CB-A

VIRL\_814 Circovirus-like genome CB-B

VIRL\_820 Circovirus-like genome RW-A

VIRL\_819 Circovirus-like genome RW-B

VIRL\_818 Circovirus-like genome RW-C

VIRL\_817 Circovirus-like genome RW-D

VIRL\_816 Circovirus-like genome RW-E

VIRL\_813 Circovirus-like genome SAR-A

VIRL\_823 Circovirus-like genome SAR-B

VIRL\_168 Circulifer tenellus virus 1

VIRL\_3148 Citrus leaf blotch virus

VIRL\_2286 Citrus leaf rugose virus RNA 1

VIRL\_2287 Citrus leaf rugose virus RNA 2

VIRL\_2288 Citrus leaf rugose virus RNA 3

VIRL\_968 Citrus leprosis virus C RNA-1

VIRL\_967 Citrus leprosis virus C RNA-2

VIRL\_1105 Citrus psorosis virus RNA1

VIRL\_1104 Citrus psorosis virus RNA2

VIRL\_1103 Citrus psorosis virus RNA3

VIRL\_1056 Citrus sudden death-associated virus

VIRL\_3433 Citrus tristeza virus

VIRL\_202 Citrus variegation virus chromosome RNA 3

VIRL\_1708 Citrus variegation virus RNA1

VIRL\_1707 Citrus variegation virus RNA2

VIRL\_3297 Citrus yellow mosaic virus

VIRL\_1383 Clanis bilineata nucleopolyhedrosis virus

VIRL\_3349 Classical swine fever virus

VIRL\_81 Clavibacter phage CMP1

VIRL\_881 Clerodendron yellow mosaic virus

VIRL\_837 Clerodendrum golden mosaic China virus DNA A

VIRL\_836 Clerodendrum golden mosaic China virus DNA B

VIRL\_9 Clerodendrum golden mosaic virus DNA-A

VIRL\_8 Clerodendrum golden mosaic virus DNA-B

VIRL\_3564 Clostridium phage 39-O

VIRL\_2699 Clostridium phage c-st

VIRL\_1953 Clostridium phage phi CD119

VIRL\_2294 Clostridium phage phi3626

VIRL\_1721 Clostridium phage phiC2

VIRL\_3529 Clostridium phage phiCD27

VIRL\_73 Clostridium phage phiCTP1

VIRL\_337 Clostridium phage phiSM101

VIRL\_2475 Clover yellow mosaic virus

VIRL\_3259 Clover yellow vein virus

VIRL\_1289 Cocksfoot mild mosaic virus

VIRL\_2445 Cocksfoot mottle virus

VIRL\_3203 Cocksfoot streak virus

VIRL\_2396 Coconut foliar decay virus

VIRL\_1680 Coleus vein necrosis virus

VIRL\_2158 Colorado tick fever virus segment 1

VIRL\_3621 Colorado tick fever virus segment 10

VIRL\_3619 Colorado tick fever virus segment 11

VIRL\_3620 Colorado tick fever virus segment 12

VIRL\_3628 Colorado tick fever virus segment 2

VIRL\_3627 Colorado tick fever virus segment 3

VIRL\_3626 Colorado tick fever virus segment 4

VIRL\_3625 Colorado tick fever virus segment 5

VIRL\_3624 Colorado tick fever virus segment 6

VIRL\_3623 Colorado tick fever virus segment 7

VIRL\_3622 Colorado tick fever virus segment 8

VIRL\_2159 Colorado tick fever virus segment 9

VIRL\_3357 Columbid circovirus

VIRL\_2401 Commelina yellow mottle virus

VIRL\_699 Common chimpanzee papillomavirus 1

VIRL\_1159 Coniothyrium minitans RNA virus

VIRL\_870 Corchorus golden mosaic virus DNA-A

VIRL\_10 Corchorus golden mosaic virus DNA-B

VIRL\_1557 Corchorus yellow spot virus DNA A

VIRL\_1556 Corchorus yellow spot virus DNA B

VIRL\_903 Corchorus yellow vein virus - [Hoa Binh] DNA A

VIRL\_902 Corchorus yellow vein virus - [Hoa Binh] DNA B

VIRL\_3663 Corynebacterium phage BFK20

VIRL\_3585 Corynebacterium phage P1201

VIRL\_40 Cote d'Ivoire ebolavirus

VIRL\_634 Cotesia congregata bracovirus segment Circle1

VIRL\_632 Cotesia congregata bracovirus segment Circle10

VIRL\_631 Cotesia congregata bracovirus segment Circle11

VIRL\_630 Cotesia congregata bracovirus segment Circle12

VIRL\_3541 Cotesia congregata bracovirus segment Circle13

VIRL\_629 Cotesia congregata bracovirus segment Circle14

VIRL\_2049 Cotesia congregata bracovirus segment Circle15

VIRL\_628 Cotesia congregata bracovirus segment Circle17

VIRL\_3546 Cotesia congregata bracovirus segment Circle19

VIRL\_3543 Cotesia congregata bracovirus segment Circle2

VIRL\_2048 Cotesia congregata bracovirus segment Circle20

VIRL\_2047 Cotesia congregata bracovirus segment Circle21

VIRL\_3540 Cotesia congregata bracovirus segment Circle22

VIRL\_3539 Cotesia congregata bracovirus segment Circle23

VIRL\_626 Cotesia congregata bracovirus segment Circle25

VIRL\_625 Cotesia congregata bracovirus segment Circle26

VIRL\_3542 Cotesia congregata bracovirus segment Circle3

VIRL\_2046 Cotesia congregata bracovirus segment Circle30

VIRL\_3531 Cotesia congregata bracovirus segment Circle31

VIRL\_3538 Cotesia congregata bracovirus segment Circle32

VIRL\_2045 Cotesia congregata bracovirus segment Circle33

VIRL\_624 Cotesia congregata bracovirus segment Circle35

VIRL\_3537 Cotesia congregata bracovirus segment Circle36

VIRL\_3532 Cotesia congregata bracovirus segment Circle4

VIRL\_3547 Cotesia congregata bracovirus segment Circle5

VIRL\_2050 Cotesia congregata bracovirus segment Circle9

VIRL\_627 Cotesia congregata virus segment Circle18

VIRL\_2052 Cotesia congregata virus segment Circle6

VIRL\_633 Cotesia congregata virus segment Circle7

VIRL\_2051 Cotesia congregata virus segment Circle8

VIRL\_3054 Cotton leaf crumple geminivirus DNA B

VIRL\_3055 Cotton leaf crumple virus DNA A

VIRL\_3053 Cotton leaf curl Alabad virus

VIRL\_898 Cotton leaf curl Bangalore virus segment A

VIRL\_1083 Cotton leaf curl Bangalore virus-associated DNA beta

VIRL\_801 Cotton leaf curl Burewala alphasatellite

VIRL\_796 Cotton leaf curl Burewala betasatellite

VIRL\_793 Cotton leaf curl Burewala virus - [India

VIRL\_440 Cotton leaf curl Gezira alphasatellite

VIRL\_2810 Cotton leaf curl Gezira beta

VIRL\_439 Cotton leaf curl Gezira betasatellite

VIRL\_38 Cotton leaf curl Gezira betasatellite extrachromosomal

VIRL\_3356 Cotton leaf curl Gezira virus

VIRL\_3052 Cotton leaf curl Kokhran virus

VIRL\_3051 Cotton leaf curl Multan virus

VIRL\_2816 Cotton leaf curl Multan virus satellite DNA beta

VIRL\_1960 Cotton leaf curl Multan virus satellite U36-1

VIRL\_918 Cotton leaf curl Rajasthan virus segment A

VIRL\_1328 Cotton leaf curl virus-associated DNA beta

VIRL\_722 Cottontail rabbit papillomavirus

VIRL\_2179 Cowpea aphid-borne mosaic virus

VIRL\_3256 Cowpea chlorotic mottle virus RNA 1

VIRL\_3258 Cowpea chlorotic mottle virus RNA 2

VIRL\_3257 Cowpea chlorotic mottle virus RNA 3

VIRL\_2285 Cowpea mosaic virus RNA 1

VIRL\_2284 Cowpea mosaic virus RNA 2

VIRL\_2433 Cowpea mottle virus

VIRL\_1088 Cowpea severe leaf curl-associated DNA beta

VIRL\_2431 Cowpea severe mosaic virus RNA 1

VIRL\_2432 Cowpea severe mosaic virus RNA 2

VIRL\_673 Cowpox virus

VIRL\_886 Crassocephalum yellow vein virus - Jinghong

VIRL\_1211 Cricket paralysis virus

VIRL\_2975 Crimean-Congo hemorrhagic fever virus segment L

VIRL\_2976 Crimean-Congo hemorrhagic fever virus segment M

VIRL\_2974 Crimean-Congo hemorrhagic fever virus segment S

VIRL\_592 Crocodilepox virus

VIRL\_802 Croton yellow vein mosaic alphasatellite

VIRL\_3069 Croton yellow vein mosaic virus

VIRL\_2841 Croton yellow vein mosaic virus satellite DNA beta

VIRL\_48 Croton yellow vein virus

VIRL\_595 Crow polyomavirus

VIRL\_3300 Crucifer tobamovirus

VIRL\_1283 Cryphonectria hypovirus 1

VIRL\_2289 Cryphonectria hypovirus 2

VIRL\_1252 Cryphonectria hypovirus 3

VIRL\_1102 Cryphonectria hypovirus 4 endogenous virus

VIRL\_1206 Cryphonectria parasitica mitovirus 1-NB631

VIRL\_1140 Cryptophlebia leucotreta granulovirus

VIRL\_1188 Cucumber Bulgarian latent virus

VIRL\_1246 Cucumber fruit mottle mosaic virus

VIRL\_3419 Cucumber green mottle mosaic virus

VIRL\_2867 Cucumber leaf spot virus

VIRL\_3387 Cucumber mosaic virus RNA 1

VIRL\_260 Cucumber mosaic virus RNA 2

VIRL\_3475 Cucumber mosaic virus RNA 3

VIRL\_3351 Cucumber mosaic virus satellite RNA

VIRL\_1890 Cucumber mottle virus

VIRL\_2395 Cucumber necrosis virus

VIRL\_1089 Cucumber vein yellowing virus

VIRL\_3220 Cucurbit aphid-borne yellows virus

VIRL\_92 Cucurbit leaf crumple virus DNA A

VIRL\_91 Cucurbit leaf crumple virus DNA B

VIRL\_3022 Cucurbit yellow stunting dis virus RNA1

VIRL\_1144 Cucurbit yellow stunting dis virus RNA2

VIRL\_2079 Cucurbita yellow vein virus-associated DNA beta

VIRL\_1393 Culex flavivirus

VIRL\_1241 Culex nigripalpus NPV

VIRL\_1417 Culex pipiens densovirus

VIRL\_1658 Cupixi virus segment L

VIRL\_3595 Cupixi virus segment S

VIRL\_2649 Curvularia thermal tolerance virus RNA1

VIRL\_2648 Curvularia thermal tolerance virus RNA2

VIRL\_1295 Cyanophage PSS2

VIRL\_2540 Cyanophage Syn5

VIRL\_3602 Cycad leaf necrosis virus

VIRL\_1573 Cycas necrotic stunt virus RNA 1

VIRL\_1572 Cycas necrotic stunt virus RNA 2

VIRL\_376 Cydia pomonella granulovirus

VIRL\_3417 Cymbidium mosaic virus

VIRL\_2291 Cymbidium ringspot virus

VIRL\_2182 Cymbidium ringspot virus satellite RNA

VIRL\_3339 Cypovirus 14 RNA 1

VIRL\_3330 Cypovirus 14 RNA 10

VIRL\_3338 Cypovirus 14 RNA 2

VIRL\_3337 Cypovirus 14 RNA 3

VIRL\_3336 Cypovirus 14 RNA 4

VIRL\_3335 Cypovirus 14 RNA 5

VIRL\_3334 Cypovirus 14 RNA 6

VIRL\_3333 Cypovirus 14 RNA 7

VIRL\_3332 Cypovirus 14 RNA 8

VIRL\_3331 Cypovirus 14 RNA 9

VIRL\_566 Cyprinid herpesvirus 3

VIRL\_3498 Daphne mosaic virus

VIRL\_1947 Daphne virus S

VIRL\_1501 Dasheen mosaic virus

VIRL\_727 Deer papillomavirus

VIRL\_619 Deerpox virus W-1170-84

VIRL\_620 Deerpox virus W-848-83

VIRL\_3020 Deformed wing virus

VIRL\_937 Deftia phage phiW-14

VIRL\_225 Dendrolimus punctatus densovirus

VIRL\_1123 Dendrolimus punctatus tetravirus RNA1

VIRL\_1122 Dendrolimus punctatus tetravirus RNA2

VIRL\_3466 Dengue virus type 1

VIRL\_2721 Dengue virus type 2

VIRL\_3467 Dengue virus type 3

VIRL\_3350 Dengue virus type 4

VIRL\_1555 Desmodium leaf distortion virus DNA A

VIRL\_1904 Desmodium leaf distortion virus DNA B

VIRL\_3563 Diadromus pulchellus ascovirus 4a

VIRL\_2353 Diaporthe ambigua RNA virus 1

VIRL\_1602 Diascia yellow mottle virus

VIRL\_1260 Diatraea saccharalis densovirus

VIRL\_3153 Dicliptera yellow mottle virus DNA A

VIRL\_2197 Dicliptera yellow mottle virus DNA B

VIRL\_2394 Digitaria streak virus

VIRL\_2835 Dioscorea bacilliform virus

VIRL\_956 Diplodia scrobiculata RNA virus 1

VIRL\_1513 Discula destructiva virus 1 RNA 4

VIRL\_1243 Discula destructiva virus 1 segment 1

VIRL\_1242 Discula destructiva virus 1 segment 2

VIRL\_1514 Discula destructiva virus 1 segment 3

VIRL\_1219 Discula destructiva virus 2 segment 1

VIRL\_1218 Discula destructiva virus 2 segment 2

VIRL\_2986 Dobrava virus segment M

VIRL\_2987 Dobrava virus segment S

VIRL\_2985 Dobrava-Belgrade virus strain DOBV/Ano-Poroia/Afl9/1999

VIRL\_89 Dolichos yellow mosaic virus

VIRL\_2089 Dolphin morbillivirus

VIRL\_1558 Dracaena mottle virus

VIRL\_790 Drosophila A virus

VIRL\_390 Drosophila C virus

VIRL\_1366 Drosophila melanogaster sigma virus AP30

VIRL\_809 Drosophila melanogaster totivirus SW-2009a

VIRL\_3629 Drosophila x virus segment A

VIRL\_3631 Drosophila x virus segment B

VIRL\_2372 Duck adenovirus A

VIRL\_1356 Duck adenovirus A

VIRL\_2674 Duck astrovirus C-NGB

VIRL\_899 Duck circovirus

VIRL\_476 Duck enteritis virus

VIRL\_984 Duck hepatitis A virus

VIRL\_3492 Duck hepatitis B virus

VIRL\_2809 Duck hepatitis virus AP

VIRL\_2160 Dugbe virus segment L

VIRL\_2161 Dugbe virus segment M

VIRL\_3113 Dugbe virus segment S

VIRL\_970 Dulcamara mottle virus

VIRL\_3046 East African cassava mosaic Cameroon virus DNA A

VIRL\_3042 East African cassava mosaic Cameroon virus DNA B

VIRL\_2745 East African cassava mosaic Kenya virus DNA A

VIRL\_2744 East African cassava mosaic Kenya virus DNA B

VIRL\_3030 East African cassava mosaic virus DNA A

VIRL\_3029 East African cassava mosaic virus DNA B

VIRL\_3033 East African cassava mosaic Zanzibar virus DNA B

VIRL\_912 East African cassava mosaic Zanzibar virus DNA-A

VIRL\_1958 East Asian Passiflora virus

VIRL\_3140 Eastern equine encephalitis virus

VIRL\_1892 Ecotropis obliqua NPV

VIRL\_2441 Ectocarpus siliculosus virus 1

VIRL\_663 Ectromelia virus

VIRL\_750 Ectropis obliqua picorna-like virus

VIRL\_2393 Eggplant mosaic virus

VIRL\_1244 Eimeria brunetti RNA virus 1

VIRL\_2281 Elm mottle virus RNA 1

VIRL\_2282 Elm mottle virus RNA 2

VIRL\_3242 Elm mottle virus RNA 3

VIRL\_863 Emilia yellow vein virus-[Fz1]

VIRL\_1418 Emilia yellow vein virus-associated DNA beta

VIRL\_3545 Emiliania huxleyi virus 86

VIRL\_222 Encephalomyocarditis virus

VIRL\_2838 Entebbe bat virus

VIRL\_2511 Enterobacteria phage 13a

VIRL\_2629 Enterobacteria phage 933W

VIRL\_2640 Enterobacteria phage alpha3

VIRL\_2515 Enterobacteria phage BA14

VIRL\_2594 Enterobacteria phage BP-4795

VIRL\_2513 Enterobacteria phage EcoDS1

VIRL\_414 Enterobacteria phage EPS7

VIRL\_2595 Enterobacteria phage epsilon15

VIRL\_1448 Enterobacteria phage ES18

VIRL\_2586 Enterobacteria phage Felix 01

VIRL\_2521 Enterobacteria phage Fels-2

VIRL\_2604 Enterobacteria phage FI

VIRL\_2637 Enterobacteria phage G4

VIRL\_2634 Enterobacteria phage GA

VIRL\_1528 Enterobacteria phage HK022

VIRL\_1515 Enterobacteria phage HK620

VIRL\_1527 Enterobacteria phage HK97

VIRL\_743 Enterobacteria phage I2-2

VIRL\_2557 Enterobacteria phage ID18

VIRL\_2559 Enterobacteria phage ID2 Moscow/ID/2001

VIRL\_697 Enterobacteria phage If1

VIRL\_736 Enterobacteria phage Ike

VIRL\_198 Enterobacteria phage IME08

VIRL\_2018 Enterobacteria phage JK06

VIRL\_488 Enterobacteria phage JS10

VIRL\_551 Enterobacteria phage JS98

VIRL\_489 Enterobacteria phage JSE

VIRL\_2554 Enterobacteria phage K1-5

VIRL\_2562 Enterobacteria phage K1E

VIRL\_2563 Enterobacteria phage K1F

VIRL\_2496 Enterobacteria phage lambda

VIRL\_2619 Enterobacteria phage M13

VIRL\_460 Enterobacteria phage Min27

VIRL\_1530 Enterobacteria phage Mu

VIRL\_1533 Enterobacteria phage N15

VIRL\_2542 Enterobacteria phage N4

VIRL\_2960 Enterobacteria phage P1

VIRL\_698 Enterobacteria phage P2

VIRL\_2625 Enterobacteria phage P22 virus

VIRL\_2481 Enterobacteria phage P4

VIRL\_558 Enterobacteria phage Phi1

VIRL\_3616 Enterobacteria phage phiEco32

VIRL\_3661 Enterobacteria phage phiEcoM-GJ1

VIRL\_2314 Enterobacteria phage phiP27

VIRL\_2635 Enterobacteria phage phiX174

VIRL\_2636 Enterobacteria phage PRD1

VIRL\_642 Enterobacteria phage PsP3

VIRL\_2630 Enterobacteria phage Qbeta

VIRL\_495 Enterobacteria phage RB14

VIRL\_65 Enterobacteria phage RB16

VIRL\_579 Enterobacteria phage RB32

VIRL\_616 Enterobacteria phage RB43

VIRL\_651 Enterobacteria phage RB49

VIRL\_496 Enterobacteria phage RB51

VIRL\_652 Enterobacteria phage RB69

VIRL\_1977 Enterobacteria phage RTP

VIRL\_1462 Enterobacteria phage Sf6

VIRL\_2612 Enterobacteria phage SfV

VIRL\_2592 Enterobacteria phage SP6

VIRL\_2676 Enterobacteria phage SSL-2009a

VIRL\_478 Enterobacteria phage St-1

VIRL\_2581 Enterobacteria phage ST104

VIRL\_1481 Enterobacteria phage ST64T

VIRL\_1458 Enterobacteria phage T1

VIRL\_2618 Enterobacteria phage T3

VIRL\_693 Enterobacteria phage T4

VIRL\_2959 Enterobacteria phage T5

VIRL\_713 Enterobacteria phage T7

VIRL\_2815 Enterobacteria phage TLS

VIRL\_2458 Enterobacteria phage VT2-Sakai

VIRL\_2558 Enterobacteria phage WA13

VIRL\_481 Enterobacteria phage WV8

VIRL\_517 Enterobacteria phage YYZ-2008

VIRL\_2638 Enterobacterio phage MS2

VIRL\_2675 Enterococcus phage EFAP-1

VIRL\_938 Enterococcus phage phiEf11

VIRL\_1432 Enterococcus phage phiEF24C

VIRL\_798 Enterococcus phage phiFL1A

VIRL\_800 Enterococcus phage phiFL2A

VIRL\_797 Enterococcus phage phiFL3A

VIRL\_799 Enterococcus phage phiFL4A

VIRL\_1143 Enzootic nasal tumour virus of goats

VIRL\_3118 Epinephelus tauvina nervous necrosis virus RNA 1

VIRL\_3119 Epinephelus tauvina nervous necrosis virus RNA 2

VIRL\_761 Epiphyas postvittana NPV

VIRL\_936 Epirus cherry virus

VIRL\_934 Epirus cherry virus

VIRL\_935 Epirus cherry virus

VIRL\_190 Epizootic hemorrhagic disease virus (serotype 1 / strain New Jersey) segment 1

VIRL\_181 Epizootic hemorrhagic disease virus (serotype 1 / strain New Jersey) segment 10

VIRL\_189 Epizootic hemorrhagic disease virus (serotype 1 / strain New Jersey) segment 2

VIRL\_188 Epizootic hemorrhagic disease virus (serotype 1 / strain New Jersey) segment 3

VIRL\_187 Epizootic hemorrhagic disease virus (serotype 1 / strain New Jersey) segment 4

VIRL\_186 Epizootic hemorrhagic disease virus (serotype 1 / strain New Jersey) segment 5

VIRL\_185 Epizootic hemorrhagic disease virus (serotype 1 / strain New Jersey) segment 6

VIRL\_184 Epizootic hemorrhagic disease virus (serotype 1 / strain New Jersey) segment 7

VIRL\_183 Epizootic hemorrhagic disease virus (serotype 1 / strain New Jersey) segment 8

VIRL\_182 Epizootic hemorrhagic disease virus (serotype 1 / strain New Jersey) segment 9

VIRL\_395 Equid herpesvirus 1

VIRL\_709 Equid herpesvirus 2

VIRL\_389 Equid herpesvirus 4

VIRL\_334 Equid herpesvirus 9

VIRL\_3355 Equine arteritis virus

VIRL\_1654 Equine coronavirus

VIRL\_2349 Equine foamy virus

VIRL\_765 Equine infectious anemia virus

VIRL\_499 Equine papillomavirus 2

VIRL\_3138 Equine rhinitis A virus

VIRL\_2186 Equine rhinitis B virus 1

VIRL\_373 Equine rhinitis B virus 2

VIRL\_662 Equinus papillomavirus

VIRL\_672 Equus caballus papillomavirus - 1

VIRL\_825 Eragrostis curvula streak virus

VIRL\_862 Eragrostis streak virus

VIRL\_875 Erectites yellow mosaic virus DNA-A

VIRL\_1700 Erectites yellow mosaic virus satellite DNA beta

VIRL\_223 Erethizon dorsatum papillomavirus type 1

VIRL\_505 Erinaceus europaeus papillomavirus

VIRL\_2541 Erwinia amylovora phage Era103

VIRL\_503 Erwinia phage phiEa21-4

VIRL\_386 Erysimum latent virus

VIRL\_197 Escherichia phage D108

VIRL\_598 Escherichia phage phiV10

VIRL\_2514 Escherichia phage rv5

VIRL\_1629 Eupatorium vein clearing virus

VIRL\_3254 Eupatorium yellow vein virus

VIRL\_3060 Eupatorium yellow vein virus-associated DNA beta

VIRL\_2972 Euphorbia leaf curl virus DNA A

VIRL\_2848 Euphorbia mosaic virus-Yucatan Peninsula DNA A

VIRL\_2847 Euphorbia mosaic virus-Yucatan Peninsula DNA B

VIRL\_2644 Euphorbia yellow mosaic virus DNA A

VIRL\_2643 Euphorbia yellow mosaic virus DNA B

VIRL\_1538 Euproctis pseudoconspersa nucleopolyhedrovirus

VIRL\_1234 Euprosterna elaeasa virus

VIRL\_2818 European bat lyssavirus 1

VIRL\_2817 European bat lyssavirus 2

VIRL\_1517 European brown hare syndrome virus

VIRL\_726 European elk papillomavirus

VIRL\_1010 European mountain ash ringspot-associated virus RNA 1

VIRL\_1006 European mountain ash ringspot-associated virus RNA 2

VIRL\_1004 European mountain ash ringspot-associated virus RNA 3

VIRL\_1005 European mountain ash ringspot-associated virus RNA 4

VIRL\_1221 Eyach virus segment 1

VIRL\_2235 Eyach virus segment 10

VIRL\_2234 Eyach virus segment 11

VIRL\_2233 Eyach virus segment 12

VIRL\_2242 Eyach virus segment 2

VIRL\_2241 Eyach virus segment 3

VIRL\_2240 Eyach virus segment 4

VIRL\_2239 Eyach virus segment 5

VIRL\_2238 Eyach virus segment 6

VIRL\_2237 Eyach virus segment 7

VIRL\_2236 Eyach virus segment 8

VIRL\_1220 Eyach virus segment 9

VIRL\_1378 Faba bean necrotic stunt virus DNA C

VIRL\_1377 Faba bean necrotic stunt virus DNA M

VIRL\_1376 Faba bean necrotic stunt virus DNA N

VIRL\_1380 Faba bean necrotic stunt virus DNA R

VIRL\_1379 Faba bean necrotic stunt virus DNA S

VIRL\_1375 Faba bean necrotic stunt virus DNA U1

VIRL\_1374 Faba bean necrotic stunt virus DNA U2

VIRL\_1373 Faba bean necrotic stunt virus DNA U4

VIRL\_3249 Faba bean necrotic yellows virus

VIRL\_3246 Faba bean necrotic yellows virus

VIRL\_3252 Faba bean necrotic yellows virus DNA 1

VIRL\_3251 Faba bean necrotic yellows virus DNA 10

VIRL\_3250 Faba bean necrotic yellows virus DNA 2

VIRL\_3248 Faba bean necrotic yellows virus DNA 4

VIRL\_3247 Faba bean necrotic yellows virus DNA 5

VIRL\_3245 Faba bean necrotic yellows virus DNA 7

VIRL\_3244 Faba bean necrotic yellows virus DNA 8

VIRL\_3243 Faba bean necrotic yellows virus DNA 9

VIRL\_1288 Feldmannia species virus

VIRL\_1000 Felid herpesvirus 1

VIRL\_3465 Feline calicivirus

VIRL\_1054 Feline coronavirus

VIRL\_123 Feline coronavirus RM

VIRL\_112 Feline coronavirus UU10

VIRL\_115 Feline coronavirus UU11

VIRL\_114 Feline coronavirus UU15

VIRL\_113 Feline coronavirus UU16

VIRL\_120 Feline coronavirus UU2

VIRL\_806 Feline coronavirus UU22

VIRL\_805 Feline coronavirus UU23

VIRL\_119 Feline coronavirus UU3

VIRL\_122 Feline coronavirus UU4

VIRL\_121 Feline coronavirus UU5

VIRL\_94 Feline coronavirus UU7

VIRL\_93 Feline coronavirus UU8

VIRL\_111 Feline coronavirus UU9

VIRL\_2741 Feline foamy virus

VIRL\_1401 Feline immunodeficiency virus

VIRL\_3392 Feline leukemia virus

VIRL\_1187 Felis domesticus papillomavirus type 1

VIRL\_170 Fenneropenaeus chinensis hepatopancreatic densovirus

VIRL\_2099 Fer-de-lance virus

VIRL\_2283 Figwort mosaic virus

VIRL\_1165 Fiji disease virus chromosome segment 4

VIRL\_1162 Fiji disease virus segment 1

VIRL\_1160 Fiji disease virus segment 10

VIRL\_1166 Fiji disease virus segment 2

VIRL\_1163 Fiji disease virus segment 3

VIRL\_1161 Fiji disease virus segment 5

VIRL\_1164 Fiji disease virus segment 6

VIRL\_1025 Fiji disease virus segment 7

VIRL\_971 Fiji disease virus segment 8

VIRL\_2025 Fiji disease virus segment 9

VIRL\_3667 Finch circovirus

VIRL\_594 Finch polyomavirus

VIRL\_14 Flavobacterium phage 11b

VIRL\_3594 Flexal virus segment L

VIRL\_2764 Flexal virus segment S

VIRL\_3116 Flock house virus RNA 1

VIRL\_3117 Flock house virus RNA 2

VIRL\_1127 Foot-and-mouth disease virus - type A

VIRL\_1185 Foot-and-mouth disease virus - type Asia 1

VIRL\_1250 Foot-and-mouth disease virus - type C

VIRL\_1209 Foot-and-mouth disease virus - type O

VIRL\_1126 Foot-and-mouth disease virus - type SAT 1

VIRL\_1145 Foot-and-mouth disease virus - type SAT 2

VIRL\_1061 Foot-and-mouth disease virus - type SAT 3

VIRL\_1026 Fort Morgan virus

VIRL\_1351 Fowl adenovirus A

VIRL\_2477 Fowl adenovirus A

VIRL\_2459 Fowl adenovirus D

VIRL\_1352 Fowl adenovirus D

VIRL\_688 Fowlpox virus

VIRL\_3464 Foxtail mosaic virus

VIRL\_982 Fragaria chiloensis cryptic virus RNA 1

VIRL\_3658 Fragaria chiloensis cryptic virus RNA 2

VIRL\_3659 Fragaria chiloensis cryptic virus RNA 3

VIRL\_1096 Fragaria chiloensis latent virus RNA 1

VIRL\_1095 Fragaria chiloensis latent virus RNA 2

VIRL\_2054 Fragaria chiloensis latent virus RNA 3

VIRL\_472 Francolinus leucoscepus papillomavirus 1

VIRL\_237 Freesia mosaic virus

VIRL\_3488 Friend murine leukemia virus

VIRL\_667 Fringilla coelebs papillomavirus

VIRL\_1614 Fritillary virus Y

VIRL\_329 Frog adenovirus 1

VIRL\_2954 Frog virus 3

VIRL\_1286 Fujinami sarcoma virus

VIRL\_1386 Fusarium graminearum dsRNA mycovirus-1

VIRL\_943 Fusarium graminearum dsRNA mycovirus-3

VIRL\_942 Fusarium graminearum dsRNA mycovirus-4 dsRNA1

VIRL\_941 Fusarium graminearum dsRNA mycovirus-4 dsRNA2

VIRL\_792 Fusarium poae virus 1 RNA 1

VIRL\_791 Fusarium poae virus 1 RNA 2

VIRL\_2371 Galinsoga mosaic virus

VIRL\_2423 Galleria mellonella densovirus

VIRL\_341 Gallid herpesvirus 1

VIRL\_382 Gallid herpesvirus 2

VIRL\_379 Gallid herpesvirus 3

VIRL\_53 Gammapapillomavirus HPV127

VIRL\_3253 Garlic latent virus

VIRL\_2725 Garlic virus A

VIRL\_2724 Garlic virus C

VIRL\_2180 Garlic virus E

VIRL\_3420 Garlic virus X

VIRL\_1589 Gayfeather mild mottle virus RNA 1

VIRL\_1588 Gayfeather mild mottle virus RNA 2

VIRL\_1587 Gayfeather mild mottle virus RNA 3

VIRL\_3429 GB virus C/Hepatitis G virus

VIRL\_1382 Geobacillus phage GBSV1

VIRL\_3590 Geobacillus virus E2

VIRL\_1097 Getah virus

VIRL\_3255 Giardia lamblia virus

VIRL\_3408 Gibbon ape leukemia virus

VIRL\_756 Gill-associated virus

VIRL\_1649 Glossina pallidipes salivary gland hypertrophy virus

VIRL\_1871 Glypta fumiferanae ichnovirus segment A1

VIRL\_1862 Glypta fumiferanae ichnovirus segment A10

VIRL\_1870 Glypta fumiferanae ichnovirus segment A2

VIRL\_1869 Glypta fumiferanae ichnovirus segment A3

VIRL\_1868 Glypta fumiferanae ichnovirus segment A4

VIRL\_1867 Glypta fumiferanae ichnovirus segment A5

VIRL\_1866 Glypta fumiferanae ichnovirus segment A6

VIRL\_1865 Glypta fumiferanae ichnovirus segment A7

VIRL\_1864 Glypta fumiferanae ichnovirus segment A8

VIRL\_1863 Glypta fumiferanae ichnovirus segment A9

VIRL\_1861 Glypta fumiferanae ichnovirus segment B1

VIRL\_1853 Glypta fumiferanae ichnovirus segment B10

VIRL\_1852 Glypta fumiferanae ichnovirus segment B11

VIRL\_1851 Glypta fumiferanae ichnovirus segment B12

VIRL\_1850 Glypta fumiferanae ichnovirus segment B13

VIRL\_1849 Glypta fumiferanae ichnovirus segment B14

VIRL\_1848 Glypta fumiferanae ichnovirus segment B15

VIRL\_1847 Glypta fumiferanae ichnovirus segment B16

VIRL\_1846 Glypta fumiferanae ichnovirus segment B17

VIRL\_1776 Glypta fumiferanae ichnovirus segment B18

VIRL\_1845 Glypta fumiferanae ichnovirus segment B19

VIRL\_1777 Glypta fumiferanae ichnovirus segment B2

VIRL\_1844 Glypta fumiferanae ichnovirus segment B20

VIRL\_1843 Glypta fumiferanae ichnovirus segment B21

VIRL\_1842 Glypta fumiferanae ichnovirus segment B22

VIRL\_1841 Glypta fumiferanae ichnovirus segment B23

VIRL\_1840 Glypta fumiferanae ichnovirus segment B24

VIRL\_1839 Glypta fumiferanae ichnovirus segment B25

VIRL\_1838 Glypta fumiferanae ichnovirus segment B26

VIRL\_1837 Glypta fumiferanae ichnovirus segment B27

VIRL\_1836 Glypta fumiferanae ichnovirus segment B28

VIRL\_1835 Glypta fumiferanae ichnovirus segment B29

VIRL\_1860 Glypta fumiferanae ichnovirus segment B3

VIRL\_1775 Glypta fumiferanae ichnovirus segment B30

VIRL\_1834 Glypta fumiferanae ichnovirus segment B31

VIRL\_1833 Glypta fumiferanae ichnovirus segment B32

VIRL\_1832 Glypta fumiferanae ichnovirus segment B33

VIRL\_1831 Glypta fumiferanae ichnovirus segment B34

VIRL\_1830 Glypta fumiferanae ichnovirus segment B35

VIRL\_1774 Glypta fumiferanae ichnovirus segment B36

VIRL\_1829 Glypta fumiferanae ichnovirus segment B37

VIRL\_1828 Glypta fumiferanae ichnovirus segment B38

VIRL\_1827 Glypta fumiferanae ichnovirus segment B39

VIRL\_1859 Glypta fumiferanae ichnovirus segment B4

VIRL\_1826 Glypta fumiferanae ichnovirus segment B40

VIRL\_1825 Glypta fumiferanae ichnovirus segment B41

VIRL\_1824 Glypta fumiferanae ichnovirus segment B42

VIRL\_1823 Glypta fumiferanae ichnovirus segment B43

VIRL\_1822 Glypta fumiferanae ichnovirus segment B44

VIRL\_1821 Glypta fumiferanae ichnovirus segment B45

VIRL\_1820 Glypta fumiferanae ichnovirus segment B46

VIRL\_1819 Glypta fumiferanae ichnovirus segment B47

VIRL\_1773 Glypta fumiferanae ichnovirus segment B48

VIRL\_1818 Glypta fumiferanae ichnovirus segment B49

VIRL\_1858 Glypta fumiferanae ichnovirus segment B5

VIRL\_1817 Glypta fumiferanae ichnovirus segment B50

VIRL\_1816 Glypta fumiferanae ichnovirus segment B51

VIRL\_1815 Glypta fumiferanae ichnovirus segment B52

VIRL\_1814 Glypta fumiferanae ichnovirus segment B53

VIRL\_1772 Glypta fumiferanae ichnovirus segment B54

VIRL\_2836 Glypta fumiferanae ichnovirus segment B55

VIRL\_1813 Glypta fumiferanae ichnovirus segment B56

VIRL\_1812 Glypta fumiferanae ichnovirus segment B57

VIRL\_1811 Glypta fumiferanae ichnovirus segment B58

VIRL\_1810 Glypta fumiferanae ichnovirus segment B59

VIRL\_1857 Glypta fumiferanae ichnovirus segment B6

VIRL\_1809 Glypta fumiferanae ichnovirus segment B60

VIRL\_1808 Glypta fumiferanae ichnovirus segment B61

VIRL\_1807 Glypta fumiferanae ichnovirus segment B62

VIRL\_1806 Glypta fumiferanae ichnovirus segment B63

VIRL\_1805 Glypta fumiferanae ichnovirus segment B64

VIRL\_1804 Glypta fumiferanae ichnovirus segment B65

VIRL\_1856 Glypta fumiferanae ichnovirus segment B7

VIRL\_1855 Glypta fumiferanae ichnovirus segment B8

VIRL\_1854 Glypta fumiferanae ichnovirus segment B9

VIRL\_1771 Glypta fumiferanae ichnovirus segment C1

VIRL\_1797 Glypta fumiferanae ichnovirus segment C10

VIRL\_1796 Glypta fumiferanae ichnovirus segment C11

VIRL\_1795 Glypta fumiferanae ichnovirus segment C12

VIRL\_1794 Glypta fumiferanae ichnovirus segment C13

VIRL\_1793 Glypta fumiferanae ichnovirus segment C14

VIRL\_1792 Glypta fumiferanae ichnovirus segment C15

VIRL\_1791 Glypta fumiferanae ichnovirus segment C16

VIRL\_1790 Glypta fumiferanae ichnovirus segment C17

VIRL\_1789 Glypta fumiferanae ichnovirus segment C18

VIRL\_1788 Glypta fumiferanae ichnovirus segment C19

VIRL\_1803 Glypta fumiferanae ichnovirus segment C2

VIRL\_1787 Glypta fumiferanae ichnovirus segment C20

VIRL\_1786 Glypta fumiferanae ichnovirus segment C21

VIRL\_1785 Glypta fumiferanae ichnovirus segment C22

VIRL\_1802 Glypta fumiferanae ichnovirus segment C3

VIRL\_1801 Glypta fumiferanae ichnovirus segment C4

VIRL\_1800 Glypta fumiferanae ichnovirus segment C5

VIRL\_1799 Glypta fumiferanae ichnovirus segment C6

VIRL\_575 Glypta fumiferanae ichnovirus segment C7

VIRL\_1770 Glypta fumiferanae ichnovirus segment C8

VIRL\_1798 Glypta fumiferanae ichnovirus segment C9

VIRL\_1784 Glypta fumiferanae ichnovirus segment D1

VIRL\_1783 Glypta fumiferanae ichnovirus segment D2

VIRL\_1782 Glypta fumiferanae ichnovirus segment D3

VIRL\_1769 Glypta fumiferanae ichnovirus segment D4

VIRL\_1781 Glypta fumiferanae ichnovirus segment D5

VIRL\_1780 Glypta fumiferanae ichnovirus segment D6

VIRL\_1779 Glypta fumiferanae ichnovirus segment D7

VIRL\_1778 Glypta fumiferanae ichnovirus segment E1

VIRL\_669 Goatpox virus Pellor

VIRL\_3002 Golden shiner reovirus segment 1

VIRL\_2993 Golden shiner reovirus segment 10

VIRL\_2992 Golden shiner reovirus segment 11

VIRL\_3001 Golden shiner reovirus segment 2

VIRL\_3000 Golden shiner reovirus segment 3

VIRL\_2999 Golden shiner reovirus segment 4

VIRL\_2998 Golden shiner reovirus segment 5

VIRL\_2997 Golden shiner reovirus segment 6

VIRL\_2996 Golden shiner reovirus segment 7

VIRL\_2995 Golden shiner reovirus segment 8

VIRL\_2994 Golden shiner reovirus segment 9

VIRL\_3317 Goose circovirus

VIRL\_653 Goose hemorrhagic polyomavirus

VIRL\_1184 Goose paramyxovirus SF02

VIRL\_923 Goose parvovirus

VIRL\_959 Gossypium darwinii symptomless alphasatellite DNA-alpha

VIRL\_1596 Gossypium darwinii symptomless virus DNA-A

VIRL\_961 Gossypium davidsonii symptomless alphasatellite DNA-alpha-B

VIRL\_960 Gossypium mustilinum symptomless alphasatellite DNA-alpha-B

VIRL\_830 Gossypium punctatum mild leaf curl virus DNA A

VIRL\_1590 Gossypium punctatum mild leaf curl virus DNA B

VIRL\_3521 Grapevine Algerian latent virus

VIRL\_2275 Grapevine chrome mosaic virus RNA 1

VIRL\_2276 Grapevine chrome mosaic virus RNA 2

VIRL\_2277 Grapevine fanleaf virus RNA 1

VIRL\_3232 Grapevine fanleaf virus RNA 2

VIRL\_2318 Grapevine fanleaf virus satellite RNA

VIRL\_2315 Grapevine fleck virus

VIRL\_2730 Grapevine leafroll-associated virus 10

VIRL\_1041 Grapevine leafroll-associated virus 2

VIRL\_3031 Grapevine leafroll-associated virus 3

VIRL\_2116 Grapevine rootstock stem lesion associated virus

VIRL\_2671 Grapevine Syrah Virus-1

VIRL\_3240 Grapevine virus A

VIRL\_3241 Grapevine virus B

VIRL\_3534 Grapevine virus E

VIRL\_1109 Gremmeniella abietina mitochondrial RNA virus S2

VIRL\_3632 Gremmeniella abietina RNA virus L1

VIRL\_1120 Gremmeniella abietina RNA virus L2

VIRL\_1490 Gremmeniella abietina RNA virus MS1 RNA 1

VIRL\_1489 Gremmeniella abietina RNA virus MS1 RNA 2

VIRL\_1488 Gremmeniella abietina RNA virus MS1 RNA 3

VIRL\_1452 Gremmeniella abietina RNA virus MS2 RNA 1

VIRL\_1451 Gremmeniella abietina RNA virus MS2 RNA 2

VIRL\_1450 Gremmeniella abietina RNA virus MS2 RNA 3

VIRL\_969 Gremmeniella abietina type B RNA virus XL1

VIRL\_1285 Ground squirrel hepatitis virus

VIRL\_2278 Groundnut bud necrosis virus segment L

VIRL\_3233 Groundnut bud necrosis virus segment M

VIRL\_3234 Groundnut bud necrosis virus segment S

VIRL\_2280 Groundnut rosette virus

VIRL\_3347 Groundnut rosette virus satellite RNA

VIRL\_3670 Gryllus bimaculatus nudivirus

VIRL\_1136 Guanarito virus segment L

VIRL\_1182 Guanarito virus segment S

VIRL\_1899 Gull circovirus

VIRL\_2478 Haemophilus phage HP1

VIRL\_2438 Haemophilus phage HP2

VIRL\_924 Haloarcula hispanica pleomorphic virus 1

VIRL\_2019 Haloarcula phage SH1

VIRL\_2523 Halomonas phage phiHAP-1

VIRL\_1314 Halorubrum phage HF2

VIRL\_2641 Halorubrum pleomorphic virus 1

VIRL\_2104 Halovirus HF1

VIRL\_708 Hamster polyomavirus

VIRL\_1177 Hantaan virus

VIRL\_209 Hantaan virus

VIRL\_2991 Hantaan virus segment L

VIRL\_263 Hantavirus Z10 chromosome L

VIRL\_264 Hantavirus Z10 chromosome S segment

VIRL\_1171 Hantavirus Z10 segment M

VIRL\_101 Helicobasidium mompa endornavirus 1

VIRL\_2101 Helicobasidium mompa No.17 dsRNA virus segment L

VIRL\_2100 Helicobasidium mompa No.17 dsRNA virus segment S

VIRL\_1662 Helicoverpa armigera granulovirus

VIRL\_3506 Helicoverpa armigera multiple nucleopolyhedrovirus

VIRL\_1146 Helicoverpa armigera NPV

VIRL\_795 Helicoverpa armigera NPV NNg1

VIRL\_991 Helicoverpa armigera nucleopolyhedrovirus G4

VIRL\_2360 Helicoverpa armigera stunt virus RNA 1

VIRL\_2359 Helicoverpa armigera stunt virus RNA 2

VIRL\_1508 Helicoverpa zea SNPV

VIRL\_1634 Heliothis armigera cypovirus 5 segment 1

VIRL\_2774 Heliothis armigera cypovirus 5 segment 10

VIRL\_1635 Heliothis armigera cypovirus 5 segment 2

VIRL\_1636 Heliothis armigera cypovirus 5 segment 3

VIRL\_1637 Heliothis armigera cypovirus 5 segment 4

VIRL\_1638 Heliothis armigera cypovirus 5 segment 5

VIRL\_1639 Heliothis armigera cypovirus 5 segment 6

VIRL\_1642 Heliothis armigera cypovirus 5 segment 7

VIRL\_1640 Heliothis armigera cypovirus 5 segment 8

VIRL\_1641 Heliothis armigera cypovirus 5 segment 9

VIRL\_3587 Heliothis virescens ascovirus 3e

VIRL\_1287 Heliothis zea virus 1

VIRL\_2683 Helleborus net necrosis virus

VIRL\_454 Helminthosporium victoriae 145S virus

VIRL\_453 Helminthosporium victoriae 145S virus

VIRL\_455 Helminthosporium victoriae 145S virus

VIRL\_452 Helminthosporium victoriae 145S virus

VIRL\_215 Helminthosporium victoriae virus 190S

VIRL\_1259 Hendra virus

VIRL\_3463 Hepatitis A virus

VIRL\_2427 Hepatitis B virus

VIRL\_1403 Hepatitis C virus genotype 1

VIRL\_2807 Hepatitis C virus genotype 2

VIRL\_2806 Hepatitis C virus genotype 3

VIRL\_2805 Hepatitis C virus genotype 4

VIRL\_2804 Hepatitis C virus genotype 5

VIRL\_2803 Hepatitis C virus genotype 6

VIRL\_2479 Hepatitis delta virus

VIRL\_51 Hepatitis E virus

VIRL\_3412 Hepatitis GB virus A

VIRL\_3434 Hepatitis GB virus B

VIRL\_2670 Heron hepatitis B virus

VIRL\_2888 Heterocapsa circularisquama RNA virus

VIRL\_2090 Heterosigma akashiwo RNA virus SOG263

VIRL\_3238 Hibiscus chlorotic ringspot virus

VIRL\_1031 Hibiscus latent Singapore virus

VIRL\_1342 Highlands J virus

VIRL\_3180 Himetobi P virus

VIRL\_3526 Hippeastrum latent virus

VIRL\_232 Hirame rhabdovirus

VIRL\_597 His1 virus

VIRL\_596 His2 virus

VIRL\_102 HMO Astrovirus A

VIRL\_3127 Hollyhock leaf crumple virus

VIRL\_3124 Hollyhock leaf crumple virus satellite DNA

VIRL\_3674 Homalodisca coagulata virus-1

VIRL\_2665 Homalodisca vitripennis reovirus segment S1

VIRL\_2656 Homalodisca vitripennis reovirus segment S10

VIRL\_2655 Homalodisca vitripennis reovirus segment S11

VIRL\_2654 Homalodisca vitripennis reovirus segment S12

VIRL\_2664 Homalodisca vitripennis reovirus segment S2

VIRL\_2663 Homalodisca vitripennis reovirus segment S3

VIRL\_2662 Homalodisca vitripennis reovirus segment S4

VIRL\_2661 Homalodisca vitripennis reovirus segment S5

VIRL\_2660 Homalodisca vitripennis reovirus segment S6

VIRL\_2659 Homalodisca vitripennis reovirus segment S7

VIRL\_2658 Homalodisca vitripennis reovirus segment S8

VIRL\_2657 Homalodisca vitripennis reovirus segment S9

VIRL\_253 Honeysuckle yellow vein beta-[Japan:Fukui:2001]

VIRL\_252 Honeysuckle yellow vein mosaic beta-[Japan:Miyizaki:2001]

VIRL\_2813 Honeysuckle yellow vein mosaic disease associated satellite DNA beta-[Ibaraki]

VIRL\_3237 Honeysuckle yellow vein mosaic virus

VIRL\_3009 Honeysuckle yellow vein mosaic virus satellite DNA beta

VIRL\_887 Honeysuckle yellow vein mosaic virus-[Kagoshima]

VIRL\_2964 Honeysuckle yellow vein virus-[UK1]

VIRL\_2342 Hop latent virus

VIRL\_3601 Hop mosaic virus

VIRL\_1453 Hordeum mosaic virus

VIRL\_2085 Horsegram yellow mosaic virus

VIRL\_1428 Horsegram yellow mosaic virus DNA B

VIRL\_381 Horseradish curly top virus

VIRL\_3523 Hosta virus X

VIRL\_3310 Human adenovirus 2

VIRL\_3309 Human adenovirus 5

VIRL\_109 Human adenovirus 54

VIRL\_2397 Human adenovirus A

VIRL\_1355 Human adenovirus A

VIRL\_2757 Human adenovirus B1

VIRL\_2758 Human adenovirus B2

VIRL\_1537 Human adenovirus C

VIRL\_3311 Human adenovirus D

VIRL\_2759 Human adenovirus D

VIRL\_1510 Human adenovirus E

VIRL\_1536 Human adenovirus F

VIRL\_3304 Human adenovirus type 1

VIRL\_3306 Human adenovirus type 11

VIRL\_3302 Human adenovirus type 35

VIRL\_3303 Human adenovirus type 7

VIRL\_3391 Human astrovirus

VIRL\_897 Human bocavirus

VIRL\_2505 Human bocavirus 2

VIRL\_2504 Human bocavirus 3

VIRL\_15 Human bocavirus 4

VIRL\_328 Human coronavirus 229E

VIRL\_2916 Human coronavirus HKU1

VIRL\_1129 Human coronavirus NL63

VIRL\_1133 Human coronavirus OC43

VIRL\_1406 Human cosavirus A1

VIRL\_1405 Human cosavirus B1

VIRL\_1404 Human cosavirus D1

VIRL\_1407 Human cosavirus E1

VIRL\_116 Human enteric coronavirus strain 4408

VIRL\_2802 Human enterovirus 100

VIRL\_441 Human enterovirus 107

VIRL\_172 Human enterovirus 109

VIRL\_473 Human enterovirus 98

VIRL\_3442 Human enterovirus A

VIRL\_3468 Human enterovirus B

VIRL\_3480 Human enterovirus C

VIRL\_3479 Human enterovirus D

VIRL\_2151 Human erythrovirus V9

VIRL\_64 Human herpesvirus 1

VIRL\_392 Human herpesvirus 2

VIRL\_396 Human herpesvirus 3

VIRL\_564 Human herpesvirus 4

VIRL\_602 Human herpesvirus 4 type 1

VIRL\_348 Human herpesvirus 5

VIRL\_394 Human herpesvirus 6A

VIRL\_96 Human herpesvirus 6B

VIRL\_393 Human herpesvirus 7

VIRL\_336 Human herpesvirus 8

VIRL\_3418 Human immunodeficiency virus 1

VIRL\_2476 Human immunodeficiency virus 2

VIRL\_950 Human klassevirus 1

VIRL\_3114 Human metapneumovirus

VIRL\_738 Human papillomavirus - 1

VIRL\_737 Human papillomavirus - 18

VIRL\_741 Human papillomavirus - 2

VIRL\_707 Human papillomavirus 54

VIRL\_519 Human papillomavirus FA75/KI88-03

VIRL\_211 Human papillomavirus RTRX7

VIRL\_1022 Human papillomavirus SIBX-3a

VIRL\_721 Human papillomavirus type 10

VIRL\_484 Human papillomavirus type 100

VIRL\_588 Human papillomavirus type 101

VIRL\_589 Human papillomavirus type 103

VIRL\_480 Human papillomavirus type 104

VIRL\_483 Human papillomavirus type 105

VIRL\_498 Human papillomavirus type 108

VIRL\_443 Human papillomavirus type 109

VIRL\_442 Human papillomavirus type 112

VIRL\_482 Human papillomavirus type 113

VIRL\_437 Human papillomavirus type 114

VIRL\_1007 Human papillomavirus type 115

VIRL\_477 Human papillomavirus type 116

VIRL\_257 Human papillomavirus type 121

VIRL\_725 Human papillomavirus type 16

VIRL\_705 Human papillomavirus type 24

VIRL\_720 Human papillomavirus type 26

VIRL\_719 Human papillomavirus type 32

VIRL\_718 Human papillomavirus type 34

VIRL\_733 Human papillomavirus type 4

VIRL\_740 Human papillomavirus type 41

VIRL\_704 Human papillomavirus type 48

VIRL\_717 Human papillomavirus type 49

VIRL\_724 Human papillomavirus type 5

VIRL\_703 Human papillomavirus type 50

VIRL\_716 Human papillomavirus type 53

VIRL\_702 Human papillomavirus type 60

VIRL\_1270 Human papillomavirus type 61

VIRL\_732 Human papillomavirus type 63

VIRL\_739 Human papillomavirus type 6b

VIRL\_715 Human papillomavirus type 7

VIRL\_684 Human papillomavirus type 71

VIRL\_541 Human papillomavirus type 88

VIRL\_714 Human papillomavirus type 9

VIRL\_664 Human papillomavirus type 90

VIRL\_658 Human papillomavirus type 92

VIRL\_649 Human papillomavirus type 96

VIRL\_486 Human papillomavirus type 98

VIRL\_485 Human papillomavirus type 99

VIRL\_1502 Human parainfluenza virus 1

VIRL\_2437 Human parainfluenza virus 2

VIRL\_2473 Human parainfluenza virus 3

VIRL\_3406 Human parechovirus

VIRL\_1086 Human parvovirus 4

VIRL\_1255 Human parvovirus B19

VIRL\_2034 Human picobirnavirus RNA segment 1

VIRL\_2033 Human picobirnavirus RNA segment 2

VIRL\_1268 Human respiratory syncytial virus

VIRL\_1284 Human rhinovirus 14

VIRL\_3440 Human rhinovirus 89

VIRL\_2793 Human rhinovirus C

VIRL\_753 Human T-lymphotropic virus 1

VIRL\_2490 Human T-lymphotropic virus 2

VIRL\_1597 Human T-lymphotropic virus 4

VIRL\_3555 Human TMEV-like cardiovirus

VIRL\_1111 Humulus japonicus latent virus

VIRL\_1113 Humulus japonicus latent virus

VIRL\_1112 Humulus japonicus latent virus

VIRL\_927 Hydrangea chlorotic mottle virus

VIRL\_3676 Hydrangea ringspot virus

VIRL\_179 Hyperthermophilic Archaeal Virus 1

VIRL\_180 Hyperthermophilic Archaeal Virus 2

VIRL\_2723 Hyphantria cunea nucleopolyhedrovirus

VIRL\_1768 Hyposoter fugitivus ichnovirus segment A1

VIRL\_1764 Hyposoter fugitivus ichnovirus segment A2

VIRL\_1763 Hyposoter fugitivus ichnovirus segment A3

VIRL\_193 Hyposoter fugitivus ichnovirus segment B1

VIRL\_570 Hyposoter fugitivus ichnovirus segment B10

VIRL\_1767 Hyposoter fugitivus ichnovirus segment B11

VIRL\_1760 Hyposoter fugitivus ichnovirus segment B12

VIRL\_1759 Hyposoter fugitivus ichnovirus segment B13

VIRL\_1732 Hyposoter fugitivus ichnovirus segment B14

VIRL\_422 Hyposoter fugitivus ichnovirus segment B15

VIRL\_1758 Hyposoter fugitivus ichnovirus segment B16

VIRL\_572 Hyposoter fugitivus ichnovirus segment B17

VIRL\_1757 Hyposoter fugitivus ichnovirus segment B18

VIRL\_424 Hyposoter fugitivus ichnovirus segment B2

VIRL\_423 Hyposoter fugitivus ichnovirus segment B3

VIRL\_1762 Hyposoter fugitivus ichnovirus segment B4

VIRL\_571 Hyposoter fugitivus ichnovirus segment B5

VIRL\_1733 Hyposoter fugitivus ichnovirus segment B6

VIRL\_195 Hyposoter fugitivus ichnovirus segment B7

VIRL\_1765 Hyposoter fugitivus ichnovirus segment B8

VIRL\_1761 Hyposoter fugitivus ichnovirus segment B9

VIRL\_1756 Hyposoter fugitivus ichnovirus segment C1

VIRL\_194 Hyposoter fugitivus ichnovirus segment C10

VIRL\_1749 Hyposoter fugitivus ichnovirus segment C11

VIRL\_196 Hyposoter fugitivus ichnovirus segment C12

VIRL\_1731 Hyposoter fugitivus ichnovirus segment C13

VIRL\_1748 Hyposoter fugitivus ichnovirus segment C14

VIRL\_1747 Hyposoter fugitivus ichnovirus segment C15

VIRL\_574 Hyposoter fugitivus ichnovirus segment C16

VIRL\_1746 Hyposoter fugitivus ichnovirus segment C17

VIRL\_1745 Hyposoter fugitivus ichnovirus segment C18

VIRL\_1730 Hyposoter fugitivus ichnovirus segment C19

VIRL\_1766 Hyposoter fugitivus ichnovirus segment C2

VIRL\_1744 Hyposoter fugitivus ichnovirus segment C20

VIRL\_569 Hyposoter fugitivus ichnovirus segment C3

VIRL\_1755 Hyposoter fugitivus ichnovirus segment C4

VIRL\_1754 Hyposoter fugitivus ichnovirus segment C5

VIRL\_1753 Hyposoter fugitivus ichnovirus segment C6

VIRL\_1752 Hyposoter fugitivus ichnovirus segment C7

VIRL\_1751 Hyposoter fugitivus ichnovirus segment C8

VIRL\_1750 Hyposoter fugitivus ichnovirus segment C9

VIRL\_1743 Hyposoter fugitivus ichnovirus segment D1

VIRL\_1737 Hyposoter fugitivus ichnovirus segment D10

VIRL\_1736 Hyposoter fugitivus ichnovirus segment D11

VIRL\_1735 Hyposoter fugitivus ichnovirus segment D12

VIRL\_433 Hyposoter fugitivus ichnovirus segment D2

VIRL\_1742 Hyposoter fugitivus ichnovirus segment D3

VIRL\_1741 Hyposoter fugitivus ichnovirus segment D4

VIRL\_573 Hyposoter fugitivus ichnovirus segment D5

VIRL\_1740 Hyposoter fugitivus ichnovirus segment D6

VIRL\_1739 Hyposoter fugitivus ichnovirus segment D7

VIRL\_421 Hyposoter fugitivus ichnovirus segment D8

VIRL\_1738 Hyposoter fugitivus ichnovirus segment D9

VIRL\_1729 Hyposoter fugitivus ichnovirus segment E1

VIRL\_1734 Hyposoter fugitivus ichnovirus segment E2

VIRL\_568 Hyposoter fugitivus ichnovirus segment G1

VIRL\_731 Ictalurid herpesvirus 1

VIRL\_419 Ilheus virus

VIRL\_3230 Impatiens necrotic spot virus segment L

VIRL\_3235 Impatiens necrotic spot virus segment M

VIRL\_3231 Impatiens necrotic spot virus segment S

VIRL\_3520 Imperata yellow mottle virus

VIRL\_3398 Indian cassava mosaic virus DNA A

VIRL\_3397 Indian cassava mosaic virus DNA B

VIRL\_1240 Indian citrus ringspot virus

VIRL\_2417 Indian peanut clump virus RNA 1

VIRL\_238 Indian peanut clump virus RNA 2

VIRL\_3110 Infectious bursal disease virus segment A

VIRL\_3109 Infectious bursal disease virus segment B

VIRL\_3181 Infectious flacherie virus

VIRL\_1273 Infectious hematopoietic necrosis virus

VIRL\_457 Infectious hypodermal and hematopoietic necrosis virus

VIRL\_3404 Infectious pancreatic necrosis virus segment A

VIRL\_3403 Infectious pancreatic necrosis virus segment B

VIRL\_344 Infectious salmon anemia virus

VIRL\_343 Infectious salmon anemia virus

VIRL\_345 Infectious salmon anemia virus

VIRL\_346 Infectious salmon anemia virus

VIRL\_449 Infectious salmon anemia virus segment 1

VIRL\_347 Infectious salmon anemia virus segment 6

VIRL\_318 Infectious salmon anemia virus segment 7

VIRL\_319 Infectious salmon anemia virus segment 8

VIRL\_1313 Infectious spleen and kidney necrosis virus

VIRL\_1044 Influenza A virus (A/Goose/Guangdong/1/96(H5N1))

VIRL\_1023 Influenza A virus (A/Goose/Guangdong/1/96(H5N1))

VIRL\_1045 Influenza A virus (A/Goose/Guangdong/1/96(H5N1))

VIRL\_1046 Influenza A virus (A/Goose/Guangdong/1/96(H5N1))

VIRL\_2017 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) segment 2

VIRL\_2016 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) segment 4

VIRL\_1024 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) strain A/Goose/Guangdong/1/96(H5N1)

VIRL\_1043 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) strain A/Goose/Guangdong/1/96(H5N1)

VIRL\_2112 Influenza A virus (A/Hong Kong/1073/99(H9N2))

VIRL\_2107 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 1

VIRL\_2106 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 2

VIRL\_2105 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 3

VIRL\_2109 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 4

VIRL\_2108 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 6

VIRL\_2110 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 7

VIRL\_2111 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 8

VIRL\_1042 Influenza A virus (A/Korea/426/1968(H2N2))

VIRL\_2406 Influenza A virus (A/Korea/426/68(H2N2)) segment 2

VIRL\_2006 Influenza A virus (A/Korea/426/68(H2N2)) segment 3

VIRL\_2007 Influenza A virus (A/Korea/426/68(H2N2)) segment 4

VIRL\_3681 Influenza A virus (A/Korea/426/68(H2N2)) segment 5

VIRL\_3680 Influenza A virus (A/Korea/426/68(H2N2)) segment 6

VIRL\_2005 Influenza A virus (A/Korea/426/68(H2N2)) segment 7

VIRL\_3682 Influenza A virus (A/Korea/426/68(H2N2)) segment 8

VIRL\_2008 Influenza A virus (A/New York/392/2004(H3N2)) segment 1

VIRL\_2009 Influenza A virus (A/New York/392/2004(H3N2)) segment 2

VIRL\_2010 Influenza A virus (A/New York/392/2004(H3N2)) segment 3

VIRL\_2015 Influenza A virus (A/New York/392/2004(H3N2)) segment 4

VIRL\_2012 Influenza A virus (A/New York/392/2004(H3N2)) segment 5

VIRL\_2013 Influenza A virus (A/New York/392/2004(H3N2)) segment 6

VIRL\_2014 Influenza A virus (A/New York/392/2004(H3N2)) segment 7

VIRL\_2011 Influenza A virus (A/New York/392/2004(H3N2)) segment 8

VIRL\_2387 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 1

VIRL\_2491 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 2

VIRL\_2388 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 3

VIRL\_2391 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 4

VIRL\_3615 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 5

VIRL\_2390 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 6

VIRL\_2392 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 7

VIRL\_2389 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 8

VIRL\_2348 Influenza B virus RNA 1

VIRL\_3611 Influenza B virus RNA 4

VIRL\_2345 Influenza B virus RNA 5

VIRL\_2344 Influenza B virus RNA 6

VIRL\_2452 Influenza B virus RNA 7

VIRL\_2343 Influenza B virus RNA 8

VIRL\_2347 Influenza B virus RNA-2

VIRL\_2346 Influenza B virus RNA-3

VIRL\_87 Influenza C virus (C/Ann Arbor/1/50) segment 1

VIRL\_86 Influenza C virus (C/Ann Arbor/1/50) segment 2

VIRL\_85 Influenza C virus (C/Ann Arbor/1/50) segment 3

VIRL\_84 Influenza C virus (C/Ann Arbor/1/50) segment 4

VIRL\_83 Influenza C virus (C/Ann Arbor/1/50) segment 5

VIRL\_82 Influenza C virus (C/Ann Arbor/1/50) segment 6

VIRL\_88 Influenza C virus (C/Ann Arbor/1/50) segment 7

VIRL\_2319 Invertebrate iridescent virus 6

VIRL\_3512 Iodobacteriophage phiPLPE

VIRL\_821 Ipomoea yellow vein virus

VIRL\_3596 Ippy virus segment L

VIRL\_3597 Ippy virus segment S

VIRL\_3525 Iranian maize mosaic nucleorhabdovirus

VIRL\_2831 Israel acute paralysis virus of bees

VIRL\_1040 J-virus

VIRL\_1282 Jaagsiekte sheep retrovirus

VIRL\_3478 Japanese encephalitis virus

VIRL\_789 Japanese holly fern mottle virus RNA1

VIRL\_788 Japanese holly fern mottle virus RNA2

VIRL\_2351 Japanese iris necrotic ring virus

VIRL\_3371 Japanese yam mosaic virus

VIRL\_838 Jatropha leaf curl virus DNA A

VIRL\_3565 Jatropha yellow mosaic India virus DNA-A

VIRL\_701 JC polyomavirus

VIRL\_2087 Johnsongrass chlorotic stripe mosaic virus

VIRL\_2279 Johnsongrass mosaic virus

VIRL\_1138 Junin virus segment L

VIRL\_1137 Junin virus segment S

VIRL\_233 Junonia coenia densovirus

VIRL\_1196 Kadipiro virus chromosome segment 1

VIRL\_362 Kadipiro virus chromosome segment 10

VIRL\_363 Kadipiro virus chromosome segment 12

VIRL\_359 Kadipiro virus chromosome segment 2

VIRL\_358 Kadipiro virus chromosome segment 3

VIRL\_357 Kadipiro virus chromosome segment 4

VIRL\_356 Kadipiro virus chromosome segment 5

VIRL\_355 Kadipiro virus chromosome segment 6

VIRL\_2156 Kadipiro virus chromosome segment 7

VIRL\_360 Kadipiro virus chromosome segment 8

VIRL\_361 Kadipiro virus chromosome segment 9

VIRL\_2157 Kadipiro virus segment 11

VIRL\_3499 Kakugo virus

VIRL\_962 Kalanchoe latent virus

VIRL\_759 Kalanchoe top-spotting virus

VIRL\_1183 Kamiti River virus

VIRL\_1058 Karshi virus

VIRL\_1186 Kashmir bee virus

VIRL\_2667 Kedougou virus

VIRL\_757 Kelp fly virus

VIRL\_861 Kenaf leaf curl virus DNA A

VIRL\_3613 Kennedya yellow mosaic virus

VIRL\_565 KI polyomavirus Stockholm 60

VIRL\_2512 Klebsiella phage K11

VIRL\_426 Klebsiella phage KP15

VIRL\_258 Klebsiella phage KP32

VIRL\_427 Klebsiella phage KP34

VIRL\_2580 Klebsiella phage phiKO2

VIRL\_512 Kluyvera phage Kvp1

VIRL\_926 Kobuvirus pig/JY-2010a/CHN

VIRL\_418 Kokobera virus

VIRL\_2698 Konjac mosaic virus

VIRL\_869 Kudzu mosaic virus DNA-A

VIRL\_868 Kudzu mosaic virus DNA-B

VIRL\_3236 Kyuri green mottle mosaic virus

VIRL\_1200 La Crosse virus segment L

VIRL\_1199 La Crosse virus segment M

VIRL\_1198 La Crosse virus segment S

VIRL\_3438 Lactate dehydrogenase-elevating virus

VIRL\_1664 Lactobacillus johnsonii prophage Lj771

VIRL\_2167 Lactobacillus phage A2

VIRL\_1033 Lactobacillus phage KC5a

VIRL\_1296 Lactobacillus phage Lb338-1

VIRL\_1039 Lactobacillus phage Lc-Nu

VIRL\_747 Lactobacillus phage LL-H

VIRL\_2055 Lactobacillus phage LP65

VIRL\_3600 Lactobacillus phage Lrm1

VIRL\_2717 Lactobacillus phage Lv-1

VIRL\_2574 Lactobacillus phage phiAT3

VIRL\_1359 Lactobacillus phage phig1e

VIRL\_2569 Lactobacillus phage phiJL-1

VIRL\_1461 Lactobacillus prophage Lj928

VIRL\_1460 Lactobacillus prophage Lj965

VIRL\_2460 Lactobacillus prophage phiadh

VIRL\_3651 Lactococcus phage 1706

VIRL\_2596 Lactococcus phage 4268

VIRL\_2711 Lactococcus phage 712

VIRL\_2522 Lactococcus phage asccphi28

VIRL\_1605 Lactococcus phage bIBB29

VIRL\_1583 Lactococcus phage bIL170

VIRL\_3550 Lactococcus phage bIL67

VIRL\_2620 Lactococcus phage BK5-T

VIRL\_2376 Lactococcus phage c2

VIRL\_2710 Lactococcus phage jj50

VIRL\_2533 Lactococcus phage KSY1

VIRL\_1913 Lactococcus phage P008

VIRL\_1421 Lactococcus phage P087

VIRL\_2582 Lactococcus phage phiLC3

VIRL\_1912 Lactococcus phage Q54

VIRL\_2603 Lactococcus phage r1t

VIRL\_1534 Lactococcus phage sk1

VIRL\_2621 Lactococcus phage TP901-1

VIRL\_2322 Lactococcus phage Tuc2009

VIRL\_2609 Lactococcus phage ul36

VIRL\_2327 Lactococcus prophage bIL285

VIRL\_2326 Lactococcus prophage bIL286

VIRL\_2623 Lactococcus prophage bIL309

VIRL\_2443 Lactococcus prophage bIL310

VIRL\_2442 Lactococcus prophage bIL311

VIRL\_2325 Lactococcus prophage bIL312

VIRL\_3443 Lake Victoria marburgvirus - Musoke

VIRL\_1630 Lamium leaf distortion associated virus

VIRL\_1224 Langat virus

VIRL\_3070 Lassa virus segment L

VIRL\_3071 Lassa virus segment S

VIRL\_3593 Latino virus segment L

VIRL\_2763 Latino virus segment S

VIRL\_2370 Leek white stripe virus

VIRL\_2181 Leek yellow stripe virus

VIRL\_221 Leishmania RNA virus 1 - 1

VIRL\_1225 Leishmania RNA virus 1 - 4

VIRL\_219 Leishmania RNA virus 2 - 1

VIRL\_3515 Lettuce big-vein associated virus RNA 1

VIRL\_3513 Lettuce big-vein associated virus segment 2

VIRL\_128 Lettuce chlorosis virus RNA1

VIRL\_127 Lettuce chlorosis virus RNA2

VIRL\_1500 Lettuce infectious yellows virus RNA 1

VIRL\_1499 Lettuce infectious yellows virus RNA 2

VIRL\_3239 Lettuce mosaic virus

VIRL\_1975 Lettuce necrotic yellows virus

VIRL\_1119 Lettuce ring necrosis virus RNA 1

VIRL\_1118 Lettuce ring necrosis virus RNA 2

VIRL\_1117 Lettuce ring necrosis virus RNA 3

VIRL\_1116 Lettuce ring necrosis virus RNA 4

VIRL\_3530 Lettuce virus X

VIRL\_3522 Lettuce yellow mottle virus

VIRL\_3665 Leucania separata nuclear polyhedrosis virus

VIRL\_944 Leucas zeylanica yellow vein virus satellite DNA beta

VIRL\_1709 Leuconostoc phage L5

VIRL\_1078 Liao ning virus segment 1

VIRL\_1069 Liao ning virus segment 10

VIRL\_1068 Liao ning virus segment 11

VIRL\_1067 Liao ning virus segment 12

VIRL\_1077 Liao ning virus segment 2

VIRL\_1076 Liao ning virus segment 3

VIRL\_1075 Liao ning virus segment 4

VIRL\_1074 Liao ning virus segment 5

VIRL\_1073 Liao ning virus segment 6

VIRL\_1072 Liao ning virus segment 7

VIRL\_1071 Liao ning virus segment 8

VIRL\_1070 Liao ning virus segment 9

VIRL\_2650 Ligustrum necrotic ringspot virus

VIRL\_2979 Lily mottle virus

VIRL\_3003 Lily symptomless virus

VIRL\_2023 Lily virus X

VIRL\_874 Lindernia anagallis yellow vein virus DNA-A

VIRL\_1699 Lindernia anagallis yellow vein virus satellite DNA beta

VIRL\_2863 Lisianthus necrosis virus

VIRL\_1302 Listeria phage A006

VIRL\_2317 Listeria phage A118

VIRL\_1306 Listeria phage A500

VIRL\_2534 Listeria phage A511

VIRL\_1305 Listeria phage B025

VIRL\_1304 Listeria phage B054

VIRL\_1303 Listeria phage P35

VIRL\_1297 Listeria phage P40

VIRL\_2712 Listonella phage phiHSIC

VIRL\_2368 Little cherry virus 1

VIRL\_2102 Little cherry virus 2

VIRL\_3139 Ljungan virus

VIRL\_3639 Lolium latent virus

VIRL\_2114 Loofa yellow mosaic virus DNA A

VIRL\_2113 Loofa yellow mosaic virus DNA B

VIRL\_2373 Louping ill virus

VIRL\_2377 Lucerne transient streak virus

VIRL\_3178 Lucerne transient streak virus satellite RNA

VIRL\_1695 Lucky bamboo bacilliform virus

VIRL\_2778 Ludwigia leaf distortion betasatellite [India

VIRL\_2894 Ludwigia yellow vein virus DNA-A

VIRL\_2022 Ludwigia yellow vein virus-associated DNA beta

VIRL\_1946 Luffa begomovirus associated DNA beta

VIRL\_1079 Luffa puckering and leaf distortion-associated DNA beta

VIRL\_2418 LuIII virus

VIRL\_952 Lujo virus segment L

VIRL\_953 Lujo virus segment S

VIRL\_682 Lumpy skin disease virus NI-2490

VIRL\_3329 Lymantria dispar cypovirus 1 segment 1

VIRL\_3320 Lymantria dispar cypovirus 1 segment 10

VIRL\_3328 Lymantria dispar cypovirus 1 segment 2

VIRL\_3327 Lymantria dispar cypovirus 1 segment 3

VIRL\_3326 Lymantria dispar cypovirus 1 segment 4

VIRL\_3325 Lymantria dispar cypovirus 1 segment 5

VIRL\_3324 Lymantria dispar cypovirus 1 segment 6

VIRL\_3323 Lymantria dispar cypovirus 1 segment 7

VIRL\_3322 Lymantria dispar cypovirus 1 segment 8

VIRL\_3321 Lymantria dispar cypovirus 1 segment 9

VIRL\_752 Lymantria dispar MNPV

VIRL\_465 Lymantria xylina MNPV

VIRL\_1455 Lymphocystis disease virus - isolate China

VIRL\_2472 Lymphocystis disease virus 1

VIRL\_3073 Lymphocytic choriomeningitis virus segment L

VIRL\_3072 Lymphocytic choriomeningitis virus segment S

VIRL\_492 Macaca fascicularis papillomavirus type 10

VIRL\_494 Macaca fascicularis papillomavirus type 7

VIRL\_493 Macaca fascicularis papillomavirus type 9

VIRL\_354 Macacine herpesvirus 1

VIRL\_59 Macacine herpesvirus 3

VIRL\_638 Macacine herpesvirus 4

VIRL\_675 Macacine herpesvirus 5

VIRL\_1621 Macaque simian foamy virus

VIRL\_1139 Machupo virus segment L

VIRL\_1181 Machupo virus segment S

VIRL\_1135 Macrobrachium rosenbergii nodavirus RNA-1

VIRL\_3004 Macrobrachium rosenbergii nodavirus RNA-2

VIRL\_2760 Macroptilium golden mosaic virus-[Jamaica

VIRL\_1615 Macroptilium golden mosaic virus-[Jamaica

VIRL\_3122 Macroptilium mosaic Puerto Rico virus DNA A

VIRL\_3121 Macroptilium mosaic Puerto Rico virus DNA B

VIRL\_2707 Macroptilium yellow mosaic Florida virus DNA A

VIRL\_2169 Macroptilium yellow mosaic Florida virus DNA B

VIRL\_2776 Macroptilium yellow mosaic virus DNA A

VIRL\_2775 Macroptilium yellow mosaic virus DNA B

VIRL\_69 Magnaporthe oryzae chrysovirus 1 segment 1

VIRL\_66 Magnaporthe oryzae chrysovirus 1 segment 2

VIRL\_68 Magnaporthe oryzae chrysovirus 1 segment 3

VIRL\_67 Magnaporthe oryzae chrysovirus 1 segment 4

VIRL\_2062 Magnaporthe oryzae virus 1

VIRL\_2697 Magnaporthe oryzae virus 2

VIRL\_3229 Maize chlorotic dwarf virus

VIRL\_3228 Maize chlorotic mottle virus

VIRL\_3299 Maize dwarf mosaic virus

VIRL\_1311 Maize fine streak virus

VIRL\_227 Maize mosaic virus

VIRL\_1307 Maize necrotic streak virus

VIRL\_2321 Maize rayado fino virus

VIRL\_3491 Maize streak virus - A[South Africa]

VIRL\_1710 Maize white line mosaic virus

VIRL\_1875 Mal de Rio Cuarto virus segment 9

VIRL\_1877 Mal de Rio Cuarto virus segment S1

VIRL\_1066 Mal de Rio Cuarto virus segment S10

VIRL\_1880 Mal de Rio Cuarto virus segment S2

VIRL\_1878 Mal de Rio Cuarto virus segment S3

VIRL\_1881 Mal de Rio Cuarto virus segment S4

VIRL\_1065 Mal de Rio Cuarto virus segment S5

VIRL\_1879 Mal de Rio Cuarto virus segment S6

VIRL\_1876 Mal de Rio Cuarto virus segment S7

VIRL\_1882 Mal de Rio Cuarto virus segment S8

VIRL\_1653 Malachra yellow vein mosaic virus-associated satellite DNA beta

VIRL\_995 Malva mosaic virus

VIRL\_891 Malvastrum leaf curl Guangdong virus

VIRL\_2869 Malvastrum leaf curl virus - [G87]

VIRL\_1959 Malvastrum leaf curl virus-associated defective DNA beta

VIRL\_1961 Malvastrum leaf curl virus-associated DNA beta

VIRL\_2844 Malvastrum yellow mosaic virus DNA-A

VIRL\_2843 Malvastrum yellow mosaic virus satellite DNA beta

VIRL\_2842 Malvastrum yellow mosaic virus-associated DNA 1

VIRL\_1419 Malvastrum yellow vein Baoshan virus DNA-A

VIRL\_3041 Malvastrum yellow vein virus

VIRL\_3027 Malvastrum yellow vein virus satellite DNA beta

VIRL\_2053 Malvastrum yellow vein Yunnan virus

VIRL\_2915 Malvastrum yellow vein Yunnan virus satellite DNA beta

VIRL\_368 Mamestra configurata NPV-A

VIRL\_751 Mamestra configurata NPV-B

VIRL\_3085 Mammalian orthoreovirus 1 segment L1

VIRL\_3097 Mammalian orthoreovirus 1 segment L2

VIRL\_3101 Mammalian orthoreovirus 1 segment L3

VIRL\_3095 Mammalian orthoreovirus 1 segment M1

VIRL\_3094 Mammalian orthoreovirus 1 segment M2

VIRL\_3099 Mammalian orthoreovirus 1 segment M3

VIRL\_3089 Mammalian orthoreovirus 1 segment S1

VIRL\_3088 Mammalian orthoreovirus 1 segment S2

VIRL\_3090 Mammalian orthoreovirus 1 segment S3

VIRL\_3091 Mammalian orthoreovirus 1 segment S4

VIRL\_3084 Mammalian orthoreovirus 2 segment L1

VIRL\_3096 Mammalian orthoreovirus 2 segment L2

VIRL\_3100 Mammalian orthoreovirus 2 segment L3

VIRL\_3102 Mammalian orthoreovirus 2 segment M1

VIRL\_3086 Mammalian orthoreovirus 2 segment M2

VIRL\_3098 Mammalian orthoreovirus 2 segment M3

VIRL\_3092 Mammalian orthoreovirus 2 segment S1

VIRL\_3093 Mammalian orthoreovirus 2 segment S2

VIRL\_3087 Mammalian orthoreovirus 2 segment S3

VIRL\_3083 Mammalian orthoreovirus 2 segment S4

VIRL\_408 Mammalian orthoreovirus 3 segment L1

VIRL\_406 Mammalian orthoreovirus 3 segment L1

VIRL\_405 Mammalian orthoreovirus 3 segment L2

VIRL\_3081 Mammalian orthoreovirus 3 segment L2

VIRL\_402 Mammalian orthoreovirus 3 segment L3

VIRL\_3082 Mammalian orthoreovirus 3 segment L3

VIRL\_404 Mammalian orthoreovirus 3 segment M1

VIRL\_3076 Mammalian orthoreovirus 3 segment M1

VIRL\_3078 Mammalian orthoreovirus 3 segment M2

VIRL\_403 Mammalian orthoreovirus 3 segment M2

VIRL\_3075 Mammalian orthoreovirus 3 segment M3

VIRL\_401 Mammalian orthoreovirus 3 segment M3

VIRL\_3079 Mammalian orthoreovirus 3 segment S1

VIRL\_400 Mammalian orthoreovirus 3 segment S1

VIRL\_399 Mammalian orthoreovirus 3 segment S2

VIRL\_3077 Mammalian orthoreovirus 3 segment S2

VIRL\_3074 Mammalian orthoreovirus 3 segment S3

VIRL\_398 Mammalian orthoreovirus 3 segment S3

VIRL\_3080 Mammalian orthoreovirus 3 segment S4

VIRL\_397 Mammalian orthoreovirus 3 segment S4

VIRL\_587 Mannheimia phage phiMHaA1

VIRL\_3668 Mapuera virus

VIRL\_3679 Maracuja mosaic virus

VIRL\_1152 Marine birnavirus segment A

VIRL\_2860 Marine birnavirus segment B

VIRL\_1685 Marine RNA virus JP-A

VIRL\_1684 Marine RNA virus JP-B

VIRL\_1686 Marine RNA virus SOG

VIRL\_925 Marseillevirus sp

VIRL\_3583 Maruca vitrata MNPV

VIRL\_3449 Mason-Pfizer monkey virus

VIRL\_578 Mastomys coucha papillomavirus 2

VIRL\_712 Mastomys natalensis papillomavirus

VIRL\_3291 Mayaro virus

VIRL\_39 Measles virus

VIRL\_1340 Melandrium yellow fleck virus RNA1

VIRL\_1339 Melandrium yellow fleck virus RNA2

VIRL\_1338 Melandrium yellow fleck virus RNA3

VIRL\_694 Melanoplus sanguinipes entomopoxvirus

VIRL\_378 Meleagrid herpesvirus 1

VIRL\_1622 Melon aphid-borne yellows virus

VIRL\_90 Melon chlorotic leaf curl virus DNA A

VIRL\_158 Melon chlorotic mosaic virus DNA-A

VIRL\_157 Melon chlorotic mosaic virus DNA-B

VIRL\_159 Melon chlorotic mosaic virus-associated alphasatellite

VIRL\_3455 Melon necrotic spot virus

VIRL\_2688 Melon yellow spot virus segment L

VIRL\_2687 Melon yellow spot virus segment M

VIRL\_2851 Melon yellow spot virus segment S

VIRL\_1037 Menangle virus

VIRL\_542 Merkel cell polyomavirus

VIRL\_2865 Merremia mosaic virus DNA A

VIRL\_2864 Merremia mosaic virus DNA B

VIRL\_2761 Mesta yellow vein mosaic Bahraich virus-[India

VIRL\_883 Mesta yellow vein mosaic virus DNA-A

VIRL\_2652 Mesta yellow vein mosaic virus-associated DNA beta

VIRL\_2469 Methanobacterium phage psiM2

VIRL\_1581 Methanothermobacter prophage psiM100

VIRL\_2812 Microbacterium phage Min1

VIRL\_1895 Microcystis phage Ma-LMM01

VIRL\_1940 Micromonas pusilla reovirus segment 1

VIRL\_1931 Micromonas pusilla reovirus segment 10

VIRL\_1930 Micromonas pusilla reovirus segment 11

VIRL\_1939 Micromonas pusilla reovirus segment 2

VIRL\_1938 Micromonas pusilla reovirus segment 3

VIRL\_1937 Micromonas pusilla reovirus segment 4

VIRL\_1936 Micromonas pusilla reovirus segment 5

VIRL\_1935 Micromonas pusilla reovirus segment 6

VIRL\_1934 Micromonas pusilla reovirus segment 7

VIRL\_1933 Micromonas pusilla reovirus segment 8

VIRL\_1932 Micromonas pusilla reovirus segment 9

VIRL\_1085 Microplitis demolitor bracovirus segment A

VIRL\_615 Microplitis demolitor bracovirus segment B

VIRL\_614 Microplitis demolitor bracovirus segment C

VIRL\_1053 Microplitis demolitor bracovirus segment D

VIRL\_3588 Microplitis demolitor bracovirus segment E

VIRL\_613 Microplitis demolitor bracovirus segment F

VIRL\_612 Microplitis demolitor bracovirus segment G

VIRL\_611 Microplitis demolitor bracovirus segment H

VIRL\_607 Microplitis demolitor bracovirus segment I

VIRL\_610 Microplitis demolitor bracovirus segment J

VIRL\_1052 Microplitis demolitor bracovirus segment K

VIRL\_1051 Microplitis demolitor bracovirus segment L

VIRL\_609 Microplitis demolitor bracovirus segment M

VIRL\_608 Microplitis demolitor bracovirus segment N

VIRL\_1050 Microplitis demolitor bracovirus segment O

VIRL\_1415 Midway virus

VIRL\_131 Mikania micrantha mosaic virus RNA1

VIRL\_132 Mikania micrantha mosaic virus RNA2

VIRL\_1578 Milk vetch dwarf virus segment 1

VIRL\_3493 Milk vetch dwarf virus segment 10

VIRL\_2266 Milk vetch dwarf virus segment 11

VIRL\_1577 Milk vetch dwarf virus segment 2

VIRL\_1576 Milk vetch dwarf virus segment 3

VIRL\_1575 Milk vetch dwarf virus segment 4

VIRL\_2270 Milk vetch dwarf virus segment 5

VIRL\_2269 Milk vetch dwarf virus segment 6

VIRL\_2268 Milk vetch dwarf virus segment 7

VIRL\_2267 Milk vetch dwarf virus segment 8

VIRL\_3225 Milk vetch dwarf virus segment 9

VIRL\_878 Mimosa yellow leaf curl virus DNA-A

VIRL\_1703 Mimosa yellow leaf curl virus satellite DNA beta

VIRL\_1696 Mimosa yellow leaf curl virus-associated DNA 1

VIRL\_2421 Mink astrovirus

VIRL\_256 Mint virus 1

VIRL\_1057 Mint virus X

VIRL\_977 Minute virus of mice

VIRL\_1208 Mirabilis mosaic virus

VIRL\_3503 Mirafiore lettuce virus RNA 1

VIRL\_3501 Mirafiore lettuce virus RNA 2

VIRL\_3023 Mirafiore lettuce virus RNA 3

VIRL\_3502 Mirafiore lettuce virus RNA 4

VIRL\_3298 Miscanthus streak virus - [91]

VIRL\_3598 Mobala virus segment L

VIRL\_3599 Mobala virus segment S

VIRL\_1498 Modoc virus

VIRL\_2920 Mokola virus

VIRL\_1269 Molluscum contagiosum virus subtype 1

VIRL\_3457 Moloney murine leukemia virus

VIRL\_2487 Moloney murine sarcoma virus

VIRL\_679 Monkeypox virus Zaire-96-I-16

VIRL\_1486 Montana myotis leukoencephalitis virus

VIRL\_1094 Mopeia Lassa reassortant 29 segment L

VIRL\_1093 Mopeia Lassa reassortant 29 segment S

VIRL\_1092 Mopeia virus AN20410 segment L

VIRL\_1091 Mopeia virus AN20410 segment S

VIRL\_534 Morganella phage MmP1

VIRL\_769 Moroccan watermelon mosaic virus

VIRL\_1028 Morogoro virus segment L

VIRL\_1029 Morogoro virus segment S

VIRL\_251 Mossman virus

VIRL\_3456 Mouse mammary tumor virus

VIRL\_235 Mouse parvovirus 1

VIRL\_1928 Mouse parvovirus 2

VIRL\_1929 Mouse parvovirus 3

VIRL\_831 Mouse parvovirus 4

VIRL\_832 Mouse parvovirus 5

VIRL\_1063 Mulard duck circovirus

VIRL\_80 Mumps virus

VIRL\_3050 Mungbean yellow mosaic India virus DNA A

VIRL\_3049 Mungbean yellow mosaic India virus DNA B

VIRL\_2465 Mungbean yellow mosaic virus DNA A

VIRL\_2466 Mungbean yellow mosaic virus DNA B

VIRL\_2718 Munia coronavirus HKU13-3514

VIRL\_668 Murid herpesvirus 1

VIRL\_62 Murid herpesvirus 2

VIRL\_391 Murid herpesvirus 4

VIRL\_2405 Murine adenovirus 3

VIRL\_2456 Murine adenovirus A

VIRL\_1353 Murine adenovirus A

VIRL\_2471 Murine hepatitis virus strain A59

VIRL\_2914 Murine hepatitis virus strain JHM

VIRL\_2846 Murine norovirus 1

VIRL\_2486 Murine osteosarcoma virus

VIRL\_730 Murine pneumotropic virus

VIRL\_729 Murine polyomavirus

VIRL\_3430 Murine type C retrovirus

VIRL\_3372 Murray Valley encephalitis virus

VIRL\_174 Mus musculus papillomavirus type 1

VIRL\_1540 Musca domestica salivary gland hypertrophy virus

VIRL\_901 Muscovy duck circovirus

VIRL\_226 Muscovy duck parvovirus

VIRL\_2379 Mushroom bacilliform virus

VIRL\_2552 Mycobacterium phage 244

VIRL\_2520 Mycobacterium phage Adjutor

VIRL\_951 Mycobacterium phage Angel

VIRL\_72 Mycobacterium phage Angelica

VIRL\_766 Mycobacterium phage Ardmore

VIRL\_1471 Mycobacterium phage Barnyard

VIRL\_2528 Mycobacterium phage Bethlehem

VIRL\_2510 Mycobacterium phage Boomer

VIRL\_1300 Mycobacterium phage BPs

VIRL\_3567 Mycobacterium phage Brujita

VIRL\_524 Mycobacterium phage Butterscotch

VIRL\_3561 Mycobacterium phage Bxb1

VIRL\_3558 Mycobacterium phage Bxz1

VIRL\_3559 Mycobacterium phage Bxz2

VIRL\_3569 Mycobacterium phage Cali

VIRL\_1919 Mycobacterium phage Catera

VIRL\_3568 Mycobacterium phage Chah

VIRL\_1922 Mycobacterium phage Che12

VIRL\_1475 Mycobacterium phage Che8

VIRL\_2120 Mycobacterium phage Che9c

VIRL\_1472 Mycobacterium phage Che9d

VIRL\_2598 Mycobacterium phage Cjw1

VIRL\_1926 Mycobacterium phage Cooper

VIRL\_1473 Mycobacterium phage Corndog

VIRL\_71 Mycobacterium phage CrimD

VIRL\_2470 Mycobacterium phage D29

VIRL\_2517 Mycobacterium phage DD5

VIRL\_999 Mycobacterium phage ET08

VIRL\_522 Mycobacterium phage Fruitloop

VIRL\_1293 Mycobacterium phage Giles

VIRL\_520 Mycobacterium phage Gumball

VIRL\_1923 Mycobacterium phage Halo

VIRL\_1609 Mycobacterium phage Jasper

VIRL\_1610 Mycobacterium phage KBG

VIRL\_3566 Mycobacterium phage Konstantine

VIRL\_2508 Mycobacterium phage Kostya

VIRL\_2404 Mycobacterium phage L5

VIRL\_70 Mycobacterium phage LeBron

VIRL\_2551 Mycobacterium phage Llij

VIRL\_2518 Mycobacterium phage Lockley

VIRL\_527 Mycobacterium phage Myrna

VIRL\_1606 Mycobacterium phage Nigel

VIRL\_2597 Mycobacterium phage Omega

VIRL\_1925 Mycobacterium phage Orion

VIRL\_523 Mycobacterium phage Pacc40

VIRL\_2550 Mycobacterium phage PBI1

VIRL\_939 Mycobacterium phage Peaches

VIRL\_1464 Mycobacterium phage PG1

VIRL\_1604 Mycobacterium phage Phaedrus

VIRL\_2693 Mycobacterium phage Phlyer

VIRL\_1924 Mycobacterium phage Pipefish

VIRL\_2549 Mycobacterium phage PLot

VIRL\_2548 Mycobacterium phage PMC

VIRL\_2509 Mycobacterium phage Porky

VIRL\_1607 Mycobacterium phage Predator

VIRL\_1608 Mycobacterium phage Pukovnik

VIRL\_1921 Mycobacterium phage Qyrzula

VIRL\_521 Mycobacterium phage Ramsey

VIRL\_3579 Mycobacterium phage Rizal

VIRL\_1474 Mycobacterium phage Rosebush

VIRL\_3581 Mycobacterium phage ScottMcG

VIRL\_3582 Mycobacterium phage Solon

VIRL\_3580 Mycobacterium phage Spud

VIRL\_3560 Mycobacterium phage TM4

VIRL\_525 Mycobacterium phage Troll4

VIRL\_2530 Mycobacterium phage Tweety

VIRL\_1679 Mycobacterium phage U2

VIRL\_1920 Mycobacterium phage Wildcat

VIRL\_2362 Mycoplasma phage MAV1

VIRL\_1521 Mycoplasma phage P1

VIRL\_3654 Mycoplasma phage phiMFV1

VIRL\_1628 Mycoreovirus 1 segment 1

VIRL\_2733 Mycoreovirus 1 segment 10

VIRL\_2732 Mycoreovirus 1 segment 11

VIRL\_1627 Mycoreovirus 1 segment 2

VIRL\_1626 Mycoreovirus 1 segment 3

VIRL\_2739 Mycoreovirus 1 segment 4

VIRL\_2738 Mycoreovirus 1 segment 5

VIRL\_2737 Mycoreovirus 1 segment 6

VIRL\_2736 Mycoreovirus 1 segment 7

VIRL\_2735 Mycoreovirus 1 segment 8

VIRL\_2734 Mycoreovirus 1 segment 9

VIRL\_1995 Mycoreovirus 3 segment 10

VIRL\_1994 Mycoreovirus 3 segment 11

VIRL\_1993 Mycoreovirus 3 segment 12

VIRL\_1999 Mycoreovirus 3 segment 6

VIRL\_1998 Mycoreovirus 3 segment 7

VIRL\_1997 Mycoreovirus 3 segment 8

VIRL\_1996 Mycoreovirus 3 segment 9

VIRL\_1990 Mycoreovirus 3 segment S1

VIRL\_1992 Mycoreovirus 3 segment S2

VIRL\_1989 Mycoreovirus 3 segment S3

VIRL\_1991 Mycoreovirus 3 segment S5

VIRL\_2000 Mycoreovirus 3 segment X

VIRL\_2193 Mycovirus FusoV RNA 1

VIRL\_2192 Mycovirus FusoV RNA 2

VIRL\_518 Myotis polyomavirus VM-2008

VIRL\_162 Mythimna loreyi densovirus

VIRL\_2681 Myxococcus phage Mx8

VIRL\_691 Myxoma virus

VIRL\_910 Myzus persicae densovirus

VIRL\_2951 Nanovirus-like particle

VIRL\_1917 Narcissus common latent virus

VIRL\_1872 Narcissus degeneration virus

VIRL\_3474 Narcissus mosaic virus

VIRL\_1896 Narcissus symptomless virus

VIRL\_3516 Narcissus yellow stripe virus

VIRL\_2170 Natrialba phage PhiCh1

VIRL\_3518 Nemesia ring necrosis virus

VIRL\_983 Neodiprion abietis NPV

VIRL\_1121 Neodiprion lecontii NPV

VIRL\_1423 Neodiprion sertifer NPV

VIRL\_1963 Nerine virus X

VIRL\_3677 Newbury agent 1 virus

VIRL\_1247 Newcastle disease virus B1

VIRL\_468 Ngaingan virus

VIRL\_2263 Nilaparvata lugens reovirus segment 1

VIRL\_2265 Nilaparvata lugens reovirus segment 10

VIRL\_2262 Nilaparvata lugens reovirus segment 2

VIRL\_2261 Nilaparvata lugens reovirus segment 3

VIRL\_2260 Nilaparvata lugens reovirus segment 4

VIRL\_2259 Nilaparvata lugens reovirus segment 5

VIRL\_2258 Nilaparvata lugens reovirus segment 6

VIRL\_2257 Nilaparvata lugens reovirus segment 7

VIRL\_2264 Nilaparvata lugens reovirus segment 8

VIRL\_2256 Nilaparvata lugens reovirus segment 9

VIRL\_3348 Nipah virus

VIRL\_2323 Nodamura virus RNA1

VIRL\_1245 Nodamura virus RNA2

VIRL\_1726 Nootka lupine vein-clearing virus

VIRL\_1384 Nora virus

VIRL\_2450 Northern cereal mosaic virus

VIRL\_3388 Norwalk virus

VIRL\_2361 Nudaurelia capensis beta virus

VIRL\_1414 Nyamanini virus

VIRL\_1317 O'nyong-nyong virus

VIRL\_2374 Oat blue dwarf virus

VIRL\_2272 Oat chlorotic stunt virus

VIRL\_854 Oat dwarf virus

VIRL\_1525 Oat golden stripe virus RNA 1

VIRL\_1526 Oat golden stripe virus RNA 2

VIRL\_1491 Oat mosaic virus RNA 1

VIRL\_3535 Oat mosaic virus RNA 2

VIRL\_1466 Oat necrotic mottle virus

VIRL\_3156 Obuda pepper virus

VIRL\_3426 Odontoglossum ringspot virus

VIRL\_3123 OkLCV satDNA 10

VIRL\_1301 Okra leaf curl disease associated DNA 1

VIRL\_2678 Okra leaf curl Mali virus satellite DNA beta

VIRL\_1391 Okra leaf curl virus-[Cameroon]

VIRL\_1711 Okra mosaic virus

VIRL\_1600 Okra mottle virus - [Brazil:okra] DNA A

VIRL\_1599 Okra mottle virus - [Brazil:okra] DNA B

VIRL\_2845 Okra yellow crinkle virus segment A

VIRL\_277 Okra yellow mosaic Mexico virus DNA A

VIRL\_276 Okra yellow mosaic Mexico virus DNA B

VIRL\_3010 Okra yellow vein disease associated sequence virion

VIRL\_3606 Okra yellow vein mosaic virus

VIRL\_577 Old World harvest mouse papillomavirus

VIRL\_3427 Olive latent virus 1

VIRL\_2250 Olive latent virus 2 RNA 1

VIRL\_2249 Olive latent virus 2 RNA 2

VIRL\_2252 Olive latent virus 2 RNA 3

VIRL\_160 Olive latent virus 3

VIRL\_1090 Olive mild mosaic virus

VIRL\_1659 Oliveros virus segment L

VIRL\_1661 Oliveros virus segment S

VIRL\_1141 Omsk hemorrhagic fever virus

VIRL\_3017 Onion yellow dwarf virus

VIRL\_2385 Ononis yellow mosaic virus

VIRL\_1038 Operophtera brumata reovirus segment 1

VIRL\_1980 Operophtera brumata reovirus segment 10

VIRL\_1988 Operophtera brumata reovirus segment 2

VIRL\_1987 Operophtera brumata reovirus segment 3

VIRL\_1986 Operophtera brumata reovirus segment 4

VIRL\_1985 Operophtera brumata reovirus segment 5

VIRL\_1984 Operophtera brumata reovirus segment 6

VIRL\_1983 Operophtera brumata reovirus segment 7

VIRL\_1982 Operophtera brumata reovirus segment 8

VIRL\_1981 Operophtera brumata reovirus segment 9

VIRL\_2174 Ophiostoma mitovirus 3a

VIRL\_2173 Ophiostoma mitovirus 4

VIRL\_2172 Ophiostoma mitovirus 5

VIRL\_2171 Ophiostoma novo-ulmi mitovirus 6-Ld

VIRL\_1114 Opuntia virus X

VIRL\_1334 Orangutan polyomavirus

VIRL\_1693 Orchid fleck virus RNA 1

VIRL\_1692 Orchid fleck virus RNA 2

VIRL\_644 Orf virus

VIRL\_1657 Orgyia leucostigma NPV

VIRL\_1261 Orgyia pseudotsugata MNPV

VIRL\_1175 Oropouche virus segment L

VIRL\_2965 Oropouche virus segment M

VIRL\_1130 Oropouche virus segment S

VIRL\_3510 Oryctes rhinoceros virus

VIRL\_2689 Oryza rufipogon endornavirus

VIRL\_3617 Oryza sativa endornavirus

VIRL\_3556 Ostreid herpesvirus 1

VIRL\_786 Ostreococcus tauri virus 1

VIRL\_1551 Ostreococcus virus OsV5

VIRL\_933 Ourmia melon virus

VIRL\_932 Ourmia melon virus

VIRL\_931 Ourmia melon virus

VIRL\_1358 Ovine adenovirus A

VIRL\_2446 Ovine adenovirus A

VIRL\_2425 Ovine adenovirus D

VIRL\_1524 Ovine astrovirus

VIRL\_2037 Ovine enzootic nasal tumour virus

VIRL\_599 Ovine herpesvirus 2

VIRL\_2483 Ovine lentivirus

VIRL\_700 Ovine papillomavirus - 1

VIRL\_411 Oyster mushroom spherical virus

VIRL\_236 Panax virus Y

VIRL\_2708 Panicum mosaic satellite virus

VIRL\_2328 Panicum mosaic virus

VIRL\_3436 Panicum streak virus - Karino

VIRL\_369 Panine herpesvirus 2

VIRL\_2970 Papaya leaf curl China virus - [G8]

VIRL\_1704 Papaya leaf curl China virus satellite DNA beta

VIRL\_2962 Papaya leaf curl Guandong virus - [GD2] DNA A

VIRL\_3115 Papaya leaf curl virus

VIRL\_2118 Papaya leaf curl virus-associated DNA beta

VIRL\_3018 Papaya leaf-distortion mosaic potyvirus

VIRL\_3612 Papaya mosaic virus

VIRL\_3421 Papaya ringspot virus

VIRL\_338 Papiine herpesvirus 2

VIRL\_2168 Paprika mild mottle virus

VIRL\_758 Parainfluenza virus 5

VIRL\_1671 Paralichthys olivaceus birnavirus segment A

VIRL\_1670 Paralichthys olivaceus birnavirus segment B

VIRL\_1294 Paramecium bursaria Chlorella virus 1

VIRL\_1672 Paramecium bursaria Chlorella virus AR158

VIRL\_2839 Paramecium bursaria Chlorella virus FR483

VIRL\_335 Paramecium bursaria Chlorella virus NY2A

VIRL\_3592 Parana virus segment L

VIRL\_1148 Parana virus segment S (small)

VIRL\_1223 Pariacato virus chromosome RNA1

VIRL\_1222 Pariacato virus chromosome RNA2

VIRL\_2081 Parietaria mottle virus RNA 1

VIRL\_207 Parietaria mottle virus RNA 2

VIRL\_1570 Parietaria mottle virus RNA 3

VIRL\_3227 Parsnip yellow fleck virus

VIRL\_2502 Parvovirus H1

VIRL\_1331 Passiflora latent carlavirus

VIRL\_1410 Passionfruit severe leaf distortion virus DNA-A

VIRL\_1409 Passionfruit severe leaf distortion virus DNA-B

VIRL\_2553 Pasteurella phage F108

VIRL\_2690 Patchouli mild mosaic virus RNA 1

VIRL\_2187 Patchouli mild mosaic virus RNA 2

VIRL\_2358 Pea early browning virus RNA 1

VIRL\_3487 Pea early browning virus RNA 2

VIRL\_3610 Pea enation mosaic virus satellite RNA

VIRL\_2274 Pea enation mosaic virus-1

VIRL\_3155 Pea enation mosaic virus-2

VIRL\_3432 Pea seed-borne mosaic virus

VIRL\_3500 Pea stem necrosis virus

VIRL\_1675 Peach chlorotic mottle virus

VIRL\_2704 Peach mosaic virus

VIRL\_1275 Peanut chlorotic streak virus

VIRL\_2251 Peanut clump virus RNA 1

VIRL\_2255 Peanut clump virus RNA 2

VIRL\_1518 Peanut mottle virus

VIRL\_3386 Peanut stunt virus RNA 1

VIRL\_3385 Peanut stunt virus RNA 2

VIRL\_3384 Peanut stunt virus RNA 3

VIRL\_3154 Peanut stunt virus satellite RNA

VIRL\_1189 Pear latent virus

VIRL\_1591 Pedilanthus leaf curl virus-Pedilanthus [Pakistan

VIRL\_1422 Pelargonium chlorotic ring pattern virus

VIRL\_2980 Pelargonium flower break virus

VIRL\_2908 Pelargonium line pattern virus

VIRL\_1392 Pelargonium necrotic spot virus

VIRL\_105 Pelargonium vein banding virus

VIRL\_1497 Pelargonium zonate spot virus RNA 1

VIRL\_1496 Pelargonium zonate spot virus RNA 2

VIRL\_1495 Pelargonium zonate spot virus RNA 3

VIRL\_2866 Penaeid shrimp infectious myonecrosis virus

VIRL\_900 Penaeus merguiensis densovirus

VIRL\_833 Penaeus monodon hepatopancreatic parvovirus

VIRL\_1158 Penicillium chrysogenum virus segment 1

VIRL\_1157 Penicillium chrysogenum virus segment 2

VIRL\_1156 Penicillium chrysogenum virus segment 3

VIRL\_1155 Penicillium chrysogenum virus segment 4

VIRL\_1082 Penicillium stoloniferum virus F segment 1

VIRL\_1081 Penicillium stoloniferum virus F segment 2

VIRL\_3683 Penicillium stoloniferum virus F segment 3

VIRL\_435 Penicillium stoloniferum virus S segment 1

VIRL\_1060 Penicillium stoloniferum virus S segment 2

VIRL\_1084 Pennisetum mosaic virus

VIRL\_1915 Penstemon ringspot virus

VIRL\_412 Pepino mosaic virus

VIRL\_880 Pepper curly top virus

VIRL\_3120 Pepper golden mosaic virus DNA A

VIRL\_1388 Pepper golden mosaic virus DNA B

VIRL\_3490 Pepper huasteco yellow vein virus DNA A

VIRL\_2499 Pepper huasteco yellow vein virus DNA B

VIRL\_916 Pepper leaf curl Bangladesh virus segment A component

VIRL\_3374 Pepper leaf curl virus DNA-A

VIRL\_1663 Pepper leaf curl virus satellite DNA beta

VIRL\_1643 Pepper leaf curl Yunnan virus satellite DNA beta

VIRL\_1644 Pepper leaf curl Yunnan virus-[YN323]

VIRL\_3226 Pepper mild mottle virus

VIRL\_3454 Pepper mottle virus

VIRL\_2254 Pepper ringspot virus RNA 1

VIRL\_2253 Pepper ringspot virus RNA 2

VIRL\_1905 Pepper severe mosaic virus

VIRL\_2695 Pepper veinal mottle virus

VIRL\_1298 Pepper yellow dwarf virus - New Mexico

VIRL\_894 Pepper yellow leaf curl Indonesia virus DNA-A

VIRL\_893 Pepper yellow leaf curl Indonesia virus DNA-B

VIRL\_173 Pepper yellow mosaic virus

VIRL\_2967 Pepper yellow vein Mali virus

VIRL\_1238 Perina nuda virus

VIRL\_2457 Periplaneta fuliginosa densovirus

VIRL\_3056 Peru tomato mosaic virus

VIRL\_1020 Peruvian horse sickness virus segment 1

VIRL\_1011 Peruvian horse sickness virus segment 10

VIRL\_1019 Peruvian horse sickness virus segment 2

VIRL\_1018 Peruvian horse sickness virus segment 3

VIRL\_1017 Peruvian horse sickness virus segment 4

VIRL\_1013 Peruvian horse sickness virus segment 5

VIRL\_1016 Peruvian horse sickness virus segment 6

VIRL\_1012 Peruvian horse sickness virus segment 7

VIRL\_1014 Peruvian horse sickness virus segment 8

VIRL\_1015 Peruvian horse sickness virus segment 9

VIRL\_2921 Peste-des-petits-ruminants virus

VIRL\_2247 Pestivirus Giraffe-1

VIRL\_1265 Petunia vein clearing virus

VIRL\_1713 Phage cdtI

VIRL\_3553 Phage Gifsy-1

VIRL\_3552 Phage Gifsy-2

VIRL\_2043 Phage phiJL001

VIRL\_2696 Phaius virus X

VIRL\_464 Phlebiopsis gigantea mycovirus dsRNA 1

VIRL\_1668 Phlox Virus B

VIRL\_1718 Phlox virus S

VIRL\_678 Phocoena spinipinnis papillomavirus

VIRL\_3528 Phormidium phage Pf-WMP3

VIRL\_1909 Phormidium phage Pf-WMP4

VIRL\_1204 Phthorimaea operculella granulovirus

VIRL\_2271 Physalis mottle virus

VIRL\_2026 Phytophthora endornavirus 1

VIRL\_949 Phytophthora infestans RNA virus 1 RNA1

VIRL\_948 Phytophthora infestans RNA virus 1 RNA2A

VIRL\_1169 Pichinde virus

VIRL\_1170 Pichinde virus L RNA

VIRL\_804 Pieris rapae granulovirus

VIRL\_1330 Pineapple mealybug wilt-associated virus 1

VIRL\_1124 Pirital virus segment L

VIRL\_2955 Pirital virus segment S

VIRL\_1511 Planaria asexual strain-specific virus-like element type 1 large DNA segment

VIRL\_1512 Planaria asexual strain-specific virus-like element type 1 small DNA segment

VIRL\_915 Planococcus citri densovirus

VIRL\_3158 Plantago asiatica mosaic virus

VIRL\_3517 Plantago mottle virus

VIRL\_3504 Plautia stali intestine virus

VIRL\_986 Pleurotus ostreatus virus 1 RNA-1

VIRL\_1087 Pleurotus ostreatus virus 1 RNA-2

VIRL\_1667 Plum bark necrosis and stem pitting-associated virus

VIRL\_3473 Plum pox virus

VIRL\_1249 Plutella xylostella granulovirus

VIRL\_3664 Plutella xylostella multiple nucleopolyhedrovirus

VIRL\_973 Pneumonia virus of mice J3666

VIRL\_3524 Poinsettia cryptic virus

VIRL\_1529 Poinsettia mosaic virus

VIRL\_3453 Poliovirus sp

VIRL\_98 Polyomavirus HPyV6

VIRL\_97 Polyomavirus HPyV7

VIRL\_1131 Poplar mosaic virus

VIRL\_2080 Porcine adenovirus A

VIRL\_2440 Porcine adenovirus C

VIRL\_1354 Porcine adenovirus C

VIRL\_56 Porcine circovirus 1

VIRL\_210 Porcine circovirus 2

VIRL\_41 Porcine circovirus Canada-2010a

VIRL\_374 Porcine endogenous retrovirus E

VIRL\_1253 Porcine enteric sapovirus

VIRL\_1210 Porcine enterovirus 8

VIRL\_3062 Porcine enterovirus B

VIRL\_3288 Porcine epidemic diarrhea virus

VIRL\_1034 Porcine hemagglutinating encephalomyelitis virus

VIRL\_829 Porcine kobuvirus swine/S-1-HUN/2007/Hungary

VIRL\_3428 Porcine parvovirus

VIRL\_313 Porcine respiratory and reproductive syndrome virus

VIRL\_1690 Porcine rubulavirus

VIRL\_3137 Porcine teschovirus 1

VIRL\_1887 Possum enterovirus W1

VIRL\_1886 Possum enterovirus W6

VIRL\_1891 Potato apical leaf curl disease-associated satellite DNA beta

VIRL\_3609 Potato aucuba mosaic virus

VIRL\_1318 Potato latent virus

VIRL\_1345 Potato leafroll virus

VIRL\_2430 Potato mop-top virus RNA 1

VIRL\_214 Potato mop-top virus RNA 2

VIRL\_2429 Potato mop-top virus RNA 3

VIRL\_2808 Potato rough dwarf virus

VIRL\_3132 Potato virus A

VIRL\_3489 Potato virus M

VIRL\_2891 Potato virus S

VIRL\_1603 Potato virus T

VIRL\_1492 Potato virus V

VIRL\_2743 Potato virus X

VIRL\_3441 Potato virus Y

VIRL\_2355 Potato yellow mosaic Panama virus DNA A

VIRL\_2354 Potato yellow mosaic Panama virus DNA B

VIRL\_2131 Potato yellow mosaic Trinidad virus DNA A

VIRL\_2128 Potato yellow mosaic Trinidad virus DNA B

VIRL\_3396 Potato yellow mosaic virus DNA A

VIRL\_3395 Potato yellow mosaic virus DNA B

VIRL\_2065 Potato yellow vein virus

VIRL\_2930 Potato yellow vein virus

VIRL\_2066 Potato yellow vein virus segment 3

VIRL\_3373 Pothos latent virus

VIRL\_3221 Powassan virus

VIRL\_1368 Primula malacoides virus China/Mar2007 RNA 1

VIRL\_1367 Primula malacoides virus China/Mar2007 RNA 2

VIRL\_622 Prochlorococcus phage P-SSM2

VIRL\_621 Prochlorococcus phage P-SSM4

VIRL\_2570 Prochlorococcus phage P-SSP7

VIRL\_605 Procyon lotor papillomavirus type 1

VIRL\_1503 Propionibacterium phage B5

VIRL\_1553 Propionibacterium phage PA6

VIRL\_275 Providence virus

VIRL\_1945 Prune dwarf virus

VIRL\_1150 Prune dwarf virus chromosome RNA1

VIRL\_1151 Prune dwarf virus RNA2

VIRL\_1480 Prunus necrotic ringspot virus RNA 1

VIRL\_1479 Prunus necrotic ringspot virus RNA 2

VIRL\_3065 Prunus necrotic ringspot virus RNA 3

VIRL\_808 Pseudaletia unipuncta granulovirus

VIRL\_692 Pseudoalteromonas phage PM2

VIRL\_438 Pseudocowpox virus

VIRL\_1436 Pseudomonas phage 119X

VIRL\_2729 Pseudomonas phage 14-1

VIRL\_3638 Pseudomonas phage 201phi2-1

VIRL\_1437 Pseudomonas phage 73

VIRL\_2056 Pseudomonas phage B3

VIRL\_1523 Pseudomonas phage D3

VIRL\_2589 Pseudomonas phage D3112

VIRL\_2543 Pseudomonas phage DMS3

VIRL\_1976 Pseudomonas phage EL

VIRL\_1438 Pseudomonas phage F10

VIRL\_1449 Pseudomonas phage F116

VIRL\_1433 Pseudomonas phage F8

VIRL\_1477 Pseudomonas phage gh-1

VIRL\_531 Pseudomonas phage LBL3

VIRL\_979 Pseudomonas phage LIT1

VIRL\_2526 Pseudomonas phage LKA1

VIRL\_2527 Pseudomonas phage LKD16

VIRL\_530 Pseudomonas phage LMA2

VIRL\_2524 Pseudomonas phage LUZ19

VIRL\_1655 Pseudomonas phage LUZ24

VIRL\_980 Pseudomonas phage LUZ7

VIRL\_1434 Pseudomonas phage M6

VIRL\_2532 Pseudomonas phage MP22

VIRL\_508 Pseudomonas phage MP29

VIRL\_509 Pseudomonas phage MP38

VIRL\_1435 Pseudomonas phage PA11

VIRL\_2682 Pseudomonas phage PAJU2

VIRL\_2078 Pseudomonas phage PaP2

VIRL\_2142 Pseudomonas phage PaP3

VIRL\_2716 Pseudomonas phage PB1

VIRL\_2639 Pseudomonas phage Pf1

VIRL\_735 Pseudomonas phage Pf3

VIRL\_2606 Pseudomonas phage phi-12 segment L

VIRL\_2605 Pseudomonas phage phi-12 segment M

VIRL\_1571 Pseudomonas phage phi-12 segment S

VIRL\_2607 Pseudomonas phage phi-13 segment M

VIRL\_3630 Pseudomonas phage phi-13 segment S

VIRL\_12 Pseudomonas phage phi-2

VIRL\_2610 Pseudomonas phage phi-6 segment L

VIRL\_3216 Pseudomonas phage phi-6 segment M

VIRL\_3217 Pseudomonas phage phi-6 segment S

VIRL\_2316 Pseudomonas phage phi-8 segment M

VIRL\_1484 Pseudomonas phage phi13 segment L

VIRL\_501 Pseudomonas phage phi2954 segment L

VIRL\_1593 Pseudomonas phage phi2954 segment M

VIRL\_1592 Pseudomonas phage phi2954 segment S

VIRL\_2617 Pseudomonas phage phi8 segment L

VIRL\_3591 Pseudomonas phage phi8 segment S

VIRL\_680 Pseudomonas phage phiCTX

VIRL\_497 Pseudomonas phage phikF77

VIRL\_2590 Pseudomonas phage phiKMV

VIRL\_2133 Pseudomonas phage phiKZ

VIRL\_2633 Pseudomonas phage PP7

VIRL\_2547 Pseudomonas phage PRR1

VIRL\_2506 Pseudomonas phage PT2

VIRL\_2507 Pseudomonas phage PT5

VIRL\_506 Pseudomonas phage SN

VIRL\_13 Pseudomonas phage YuA

VIRL\_353 Psittacid herpesvirus 1

VIRL\_671 Psittacus erithacus timneh papillomavirus

VIRL\_846 Pumpkin yellow mosaic Malaysia virus DNA A

VIRL\_1465 Puumala virus segment L

VIRL\_2990 Puumala virus segment M

VIRL\_2989 Puumala virus segment S

VIRL\_639 Pyrobaculum spherical virus

VIRL\_1694 Pyrococcus abyssi virus 1

VIRL\_1420 Quang Binh virus

VIRL\_2728 Rabbit calicivirus Australia 1 MIC-07

VIRL\_690 Rabbit fibroma virus

VIRL\_3451 Rabbit hemorrhagic disease virus-FRG

VIRL\_687 Rabbit oral papillomavirus

VIRL\_1893 Rabbit vesivirus

VIRL\_3452 Rabies virus

VIRL\_1195 Rachiplusia ou MNPV

VIRL\_37 Radish leaf curl virus

VIRL\_2790 Radish leaf curl virus satellite DNA beta

VIRL\_866 Radish leaf curl virus segment A

VIRL\_2766 Radish mosaic virus RNA1

VIRL\_2765 Radish mosaic virus RNA2

VIRL\_2094 Ralstonia phage p12J

VIRL\_563 Ralstonia phage phiRSA1

VIRL\_529 Ralstonia phage RSB1

VIRL\_538 Ralstonia phage RSL1

VIRL\_1894 Ralstonia phage RSM1

VIRL\_835 Ralstonia phage RSM3

VIRL\_2545 Ralstonia phage RSS1

VIRL\_858 Ramie mosaic virus DNA-A

VIRL\_857 Ramie mosaic virus DNA-B

VIRL\_584 Ranid herpesvirus 1

VIRL\_585 Ranid herpesvirus 2

VIRL\_3662 Raphanus sativus cryptic virus 1 dsRNA 1

VIRL\_2854 Raphanus sativus cryptic virus 1 dsRNA 2

VIRL\_3657 Raphanus sativus cryptic virus 2 segment 1

VIRL\_3656 Raphanus sativus cryptic virus 2 segment 2

VIRL\_3655 Raphanus sativus cryptic virus 2 segment 3

VIRL\_2727 Raphanus sativus cryptic virus 3 segment 1

VIRL\_2726 Raphanus sativus cryptic virus 3 segment 2

VIRL\_3608 Raspberry bushy dwarf virus RNA 1

VIRL\_3204 Raspberry bushy dwarf virus RNA 2

VIRL\_994 Raspberry leaf mottle virus

VIRL\_2981 Raspberry ringspot virus RNA 2

VIRL\_1132 Raspberry ringspot virus RNA1

VIRL\_124 Rat coronavirus Parker

VIRL\_471 Rattus norvegicus papillomavirus 1 EES-2009

VIRL\_3413 Rauscher murine leukemia virus

VIRL\_1906 Raven circovirus

VIRL\_1678 RD114 retrovirus

VIRL\_2231 Red clover mottle virus RNA 1

VIRL\_2232 Red clover mottle virus RNA 2

VIRL\_3196 Red clover necrotic mosaic virus RNA 1

VIRL\_3183 Red clover necrotic mosaic virus RNA 2

VIRL\_1362 Red clover vein mosaic virus

VIRL\_2858 Redspotted grouper nervous necrosis virus RNA 1

VIRL\_2857 Redspotted grouper nervous necrosis virus RNA 2

VIRL\_1723 Rehmannia mosaic virus

VIRL\_1316 Respiratory syncytial virus

VIRL\_239 Reston ebolavirus

VIRL\_1059 Reticuloendotheliosis virus

VIRL\_706 Rhesus monkey papillomavirus 1

VIRL\_787 Rhizobium phage 16-3

VIRL\_365 Rhizoctonia solani virus 717 RNA1

VIRL\_2213 Rhizoctonia solani virus RNA2

VIRL\_45 Rhododendron virus A

VIRL\_2416 Rhodothermus phage RM378

VIRL\_1262 Rhopalosiphum padi virus

VIRL\_864 Rhynchosia golden mosaic virus DNA A

VIRL\_2651 Rhynchosia golden mosaic virus DNA B

VIRL\_2673 Rhynchosia golden mosaic Yucatan virus DNA A

VIRL\_2672 Rhynchosia golden mosaic Yucatan virus DNA B

VIRL\_3344 Ribgrass mosaic virus

VIRL\_3213 Rice black streaked dwarf virus segment 1

VIRL\_3209 Rice black streaked dwarf virus segment 10

VIRL\_3208 Rice black streaked dwarf virus segment 2

VIRL\_3214 Rice black streaked dwarf virus segment 3

VIRL\_3207 Rice black streaked dwarf virus segment 4

VIRL\_3206 Rice black streaked dwarf virus segment 5

VIRL\_3205 Rice black streaked dwarf virus segment 6

VIRL\_3212 Rice black streaked dwarf virus segment 7

VIRL\_3210 Rice black streaked dwarf virus segment 8

VIRL\_3211 Rice black streaked dwarf virus segment 9

VIRL\_3185 Rice dwarf virus segment 1

VIRL\_3188 Rice dwarf virus segment 10

VIRL\_3187 Rice dwarf virus segment 11

VIRL\_311 Rice dwarf virus segment 12

VIRL\_3184 Rice dwarf virus segment 2

VIRL\_3186 Rice dwarf virus segment 3

VIRL\_3193 Rice dwarf virus segment 4

VIRL\_3192 Rice dwarf virus segment 5

VIRL\_3191 Rice dwarf virus segment 6

VIRL\_3194 Rice dwarf virus segment 7

VIRL\_3190 Rice dwarf virus segment 8

VIRL\_3189 Rice dwarf virus segment 9

VIRL\_2823 Rice gall dwarf virus segment S1

VIRL\_2828 Rice gall dwarf virus segment S10

VIRL\_2825 Rice gall dwarf virus segment S11

VIRL\_2819 Rice gall dwarf virus segment S12

VIRL\_2826 Rice gall dwarf virus segment S2

VIRL\_2827 Rice gall dwarf virus segment S3

VIRL\_2822 Rice gall dwarf virus segment S4

VIRL\_1719 Rice gall dwarf virus segment S5

VIRL\_2821 Rice gall dwarf virus segment S6

VIRL\_2820 Rice gall dwarf virus segment S7

VIRL\_2829 Rice gall dwarf virus segment S8

VIRL\_2824 Rice gall dwarf virus segment S9

VIRL\_3368 Rice grassy stunt virus RNA 1

VIRL\_3367 Rice grassy stunt virus RNA 2

VIRL\_3366 Rice grassy stunt virus RNA 3

VIRL\_3365 Rice grassy stunt virus RNA 4

VIRL\_3364 Rice grassy stunt virus RNA 5

VIRL\_3363 Rice grassy stunt virus RNA 6

VIRL\_2228 Rice ragged stunt virus segment 1

VIRL\_2223 Rice ragged stunt virus segment 10

VIRL\_2227 Rice ragged stunt virus segment 2

VIRL\_3200 Rice ragged stunt virus segment 3

VIRL\_2221 Rice ragged stunt virus segment 4

VIRL\_2224 Rice ragged stunt virus segment 5

VIRL\_2226 Rice ragged stunt virus segment 6

VIRL\_2222 Rice ragged stunt virus segment 7

VIRL\_2225 Rice ragged stunt virus segment 8

VIRL\_3195 Rice ragged stunt virus segment 9

VIRL\_3197 Rice stripe virus RNA 1

VIRL\_3198 Rice stripe virus RNA 2

VIRL\_3182 Rice stripe virus RNA 3

VIRL\_3199 Rice stripe virus RNA 4

VIRL\_3405 Rice tungro bacilliform virus

VIRL\_3439 Rice tungro spherical virus

VIRL\_3445 Rice yellow mottle virus

VIRL\_2312 Rice yellow mottle virus satellite

VIRL\_2229 Rice yellow stunt virus

VIRL\_152 Rift Valley fever virus segment L

VIRL\_153 Rift Valley fever virus segment M

VIRL\_154 Rift Valley fever virus segment S

VIRL\_2924 Rinderpest virus (strain Kabete O)

VIRL\_1574 Rio Bravo virus

VIRL\_2782 Rose cryptic virus 1 RNA 1

VIRL\_2781 Rose cryptic virus 1 RNA 2

VIRL\_2780 Rose cryptic virus 1 RNA 3

VIRL\_1623 Rose spring dwarf-associated virus

VIRL\_1009 Rosellinia necatrix megabirnavirus 1/W779 segment L1

VIRL\_1008 Rosellinia necatrix megabirnavirus 1/W779 segment L2

VIRL\_2701 Rosellinia necatrix partitivirus 1-W8 segment 1

VIRL\_2700 Rosellinia necatrix partitivirus 1-W8 segment 2

VIRL\_1520 Roseobacter phage SIO1

VIRL\_490 Roseophage DSS3P2

VIRL\_491 Roseophage EE36P1

VIRL\_1279 Ross River virus

VIRL\_2956 Ross's goose hepatitis B virus

VIRL\_2749 Rotavirus A segment 1

VIRL\_2752 Rotavirus A segment 10

VIRL\_2751 Rotavirus A segment 11

VIRL\_2750 Rotavirus A segment 2

VIRL\_2748 Rotavirus A segment 3

VIRL\_2746 Rotavirus A segment 4

VIRL\_2756 Rotavirus A segment 5

VIRL\_2747 Rotavirus A segment 6

VIRL\_2754 Rotavirus A segment 7

VIRL\_2755 Rotavirus A segment 8

VIRL\_2753 Rotavirus A segment 9

VIRL\_2885 Rotavirus C segment 1

VIRL\_2882 Rotavirus C segment 10

VIRL\_2878 Rotavirus C segment 11

VIRL\_1399 Rotavirus C segment 2

VIRL\_2879 Rotavirus C segment 3

VIRL\_2877 Rotavirus C segment 4

VIRL\_2881 Rotavirus C segment 5

VIRL\_1400 Rotavirus C segment 6

VIRL\_2887 Rotavirus C segment 7

VIRL\_2880 Rotavirus C segment 8

VIRL\_2886 Rotavirus C segment 9

VIRL\_26 Rotavirus D chicken/05V0049/DEU/2005 segment 1

VIRL\_17 Rotavirus D chicken/05V0049/DEU/2005 segment 10

VIRL\_16 Rotavirus D chicken/05V0049/DEU/2005 segment 11

VIRL\_25 Rotavirus D chicken/05V0049/DEU/2005 segment 2

VIRL\_24 Rotavirus D chicken/05V0049/DEU/2005 segment 3

VIRL\_23 Rotavirus D chicken/05V0049/DEU/2005 segment 4

VIRL\_22 Rotavirus D chicken/05V0049/DEU/2005 segment 5

VIRL\_21 Rotavirus D chicken/05V0049/DEU/2005 segment 6

VIRL\_20 Rotavirus D chicken/05V0049/DEU/2005 segment 7

VIRL\_19 Rotavirus D chicken/05V0049/DEU/2005 segment 8

VIRL\_18 Rotavirus D chicken/05V0049/DEU/2005 segment 9

VIRL\_3485 Rous sarcoma virus

VIRL\_580 Rousettus aegyptiacus papillomavirus type 1

VIRL\_3450 Rubella virus

VIRL\_2720 Rubus chlorotic mottle virus

VIRL\_2694 Rudbeckia flower distortion virus

VIRL\_3390 Rupestris stem pitting associated virus-1

VIRL\_3416 Ryegrass mosaic virus

VIRL\_3201 Ryegrass mottle virus

VIRL\_1172 Sabia virus

VIRL\_1106 Sabia virus segment L

VIRL\_385 Sacbrood virus

VIRL\_1487 Saccharomyces 20S RNA narnavirus

VIRL\_1205 Saccharomyces 23S RNA narnavirus

VIRL\_1267 Saccharomyces cerevisiae killer virus M1

VIRL\_1217 Saccharomyces cerevisiae virus L-A (L1)

VIRL\_1274 Saccharomyces cerevisiae virus L-BC (La)

VIRL\_812 Saccharum streak virus

VIRL\_1717 Saffold virus

VIRL\_1535 Saguaro cactus virus

VIRL\_742 Saimiriine herpesvirus 2

VIRL\_110 Salivirus NG-J1

VIRL\_2188 Salmon pancreas disease virus

VIRL\_504 Salmonella enterica bacteriophage SE1

VIRL\_475 Salmonella phage c341

VIRL\_3544 Salmonella phage E1

VIRL\_502 Salmonella phage epsilon34

VIRL\_3640 Salmonella phage Fels-1

VIRL\_1385 Salmonella phage KS5

VIRL\_2519 Salmonella phage phiSG-JL2

VIRL\_1720 Salmonella phage SETP3

VIRL\_2714 Salmonella phage ST64B

VIRL\_2917 Sapovirus C12 strain C12

VIRL\_2927 Sapovirus Hu/Dresden/pJG-Sap01/DE

VIRL\_2957 Sapovirus Mc10

VIRL\_1003 SARS coronavirus

VIRL\_768 SARS coronavirus Rs\_672/2006

VIRL\_2273 Satellite virus of maize white line mosaic virus

VIRL\_1312 Satellites of Trichomonas vaginalis T1 virus

VIRL\_3607 Satsuma dwarf virus RNA 1

VIRL\_3636 Satsuma dwarf virus RNA 2

VIRL\_2310 Scallion mosaic virus

VIRL\_2309 Scallion virus X

VIRL\_3603 Schizochytrium single-stranded RNA virus

VIRL\_2731 Schlumbergera virus X

VIRL\_2084 Sclerophthora macrospora virus A RNA 1

VIRL\_2083 Sclerophthora macrospora virus A RNA 2

VIRL\_2082 Sclerophthora macrospora virus A RNA 3

VIRL\_2117 Sclerophthora macrospora virus B

VIRL\_3678 Sclerotinia sclerotiorum debilitation-associated RNA virus

VIRL\_259 Sclerotinia sclerotiorum hypovirulence associated DNA virus 1

VIRL\_946 Sclerotinia sclerotiorum partitivirus S segment 1

VIRL\_945 Sclerotinia sclerotiorum partitivirus S segment 2

VIRL\_1030 Scotophilus bat coronavirus 512

VIRL\_3519 Scrophularia mottle virus

VIRL\_828 Sea turtle tornovirus 1

VIRL\_1676 Seal picornavirus type 1

VIRL\_3315 Semliki forest virus

VIRL\_315 Sendai virus

VIRL\_3557 Seneca valley virus

VIRL\_2041 Senecio yellow mosaic virus

VIRL\_2983 Seoul virus segment M

VIRL\_2984 Seoul virus strain 80-39 segment S

VIRL\_2982 Seoul virus strain Seoul 80-39 clone 1

VIRL\_2837 Sepik virus

VIRL\_2329 Sesbania mosaic virus

VIRL\_2215 Shallot virus X

VIRL\_2890 Shallot yellow stripe virus

VIRL\_670 Sheeppox virus 17077-99

VIRL\_1125 Sheldgoose hepatitis B virus

VIRL\_978 Shigella phage phiSboM-AG3

VIRL\_1237 Shrimp white spot syndrome virus

VIRL\_2420 Sida golden mosaic Costa Rica virus DNA A

VIRL\_2419 Sida golden mosaic Costa Rica virus DNA B

VIRL\_2132 Sida golden mosaic Florida virus

VIRL\_75 Sida golden mosaic Florida virus-Malvastrum DNA-A

VIRL\_74 Sida golden mosaic Florida virus-Malvastrum DNA-B

VIRL\_2124 Sida golden mosaic Honduras virus DNA A

VIRL\_2123 Sida golden mosaic Honduras virus DNA B

VIRL\_2356 Sida golden mosaic virus DNA-A

VIRL\_3381 Sida golden mosaic virus DNA-B

VIRL\_272 Sida golden mottle virus DNA-A

VIRL\_273 Sida golden mottle virus DNA-B

VIRL\_3040 Sida golden yellow vein virus

VIRL\_2874 Sida leaf curl virus

VIRL\_1702 Sida leaf curl virus satellite DNA beta

VIRL\_2872 Sida leaf curl virus-associated DNA 1

VIRL\_2873 Sida leaf curl virus-associated DNA beta

VIRL\_2969 Sida micrantha mosaic virus segment A

VIRL\_2968 Sida micrantha mosaic virus segment B

VIRL\_1942 Sida mosaic Sinaloa virus DNA A

VIRL\_1944 Sida mosaic Sinaloa virus DNA B

VIRL\_1478 Sida mottle virus

VIRL\_3039 Sida yellow mosaic virus

VIRL\_2928 Sida yellow mosaic virus-[China]-associated DNA beta DNA beta

VIRL\_1874 Sida yellow mosaic Yucatan virus DNA A

VIRL\_1873 Sida yellow mosaic Yucatan virus DNA B

VIRL\_332 Sida yellow vein disease associated DNA 1

VIRL\_882 Sida yellow vein Madurai virus

VIRL\_877 Sida yellow vein Vietnam virus DNA-A

VIRL\_1701 Sida yellow vein Vietnam virus satellite DNA beta

VIRL\_1697 Sida yellow vein Vietnam virus-associated DNA 1

VIRL\_2122 Sida yellow vein virus DNA A

VIRL\_3032 Sida yellow vein virus DNA B

VIRL\_2021 Sida yellow vein virus-associated DNA beta

VIRL\_890 Siegesbeckia yellow vein Guangxi virus

VIRL\_2853 Siegesbeckia yellow vein virus-[GD13]

VIRL\_2852 Siegesbeckia yellow vein virus-[GD13]-associated DNA beta

VIRL\_150 Simian adenovirus 1

VIRL\_3308 Simian adenovirus 21

VIRL\_3307 Simian adenovirus 25

VIRL\_1310 Simian adenovirus 3

VIRL\_601 Simian agent 12

VIRL\_2185 Simian enterovirus A

VIRL\_1549 Simian enterovirus SV19

VIRL\_1548 Simian enterovirus SV43

VIRL\_1547 Simian enterovirus SV6

VIRL\_2501 Simian foamy virus

VIRL\_1620 Simian foamy virus 3

VIRL\_2439 Simian hemorrhagic fever virus

VIRL\_2482 Simian immunodeficiency virus

VIRL\_1191 Simian immunodeficiency virus SIV-mnd 2

VIRL\_1192 Simian picornavirus 1

VIRL\_1431 Simian picornavirus 17

VIRL\_755 Simian picornavirus strain N125

VIRL\_754 Simian picornavirus strain N203

VIRL\_47 Simian retrovirus 4

VIRL\_130 Simian T-cell lymphotropic virus 6

VIRL\_763 Simian T-lymphotropic virus 1

VIRL\_3415 Simian T-lymphotropic virus 2

VIRL\_1235 Simian T-lymphotropic virus 3

VIRL\_500 Simian virus 12

VIRL\_255 Simian virus 40

VIRL\_2060 Simian virus 41

VIRL\_216 Simian-Human immunodeficiency virus

VIRL\_1178 Sin Nombre virus

VIRL\_1180 Sin Nombre virus chromosome M segment

VIRL\_1179 Sin Nombre virus chromosome S segment

VIRL\_1278 Sindbis virus

VIRL\_1099 Singapore grouper iridovirus

VIRL\_1903 Siniperca chuatsi rhabdovirus

VIRL\_1509 Sinorhizobium phage PBC5

VIRL\_1506 Sleeping disease virus

VIRL\_32 Slow bee paralysis virus

VIRL\_3675 Small anellovirus 1

VIRL\_2653 Small anellovirus 2

VIRL\_1669 Snake adenovirus

VIRL\_350 Snake parvovirus 1

VIRL\_1147 Snakehead retrovirus

VIRL\_1254 Snakehead rhabdovirus

VIRL\_2952 Snow goose hepatitis B virus

VIRL\_2556 Sodalis phage phiSG1

VIRL\_100 Sodalis phage SO-1

VIRL\_1416 Soft-shelled turtle iridovirus

VIRL\_2449 Soil-borne cereal mosaic virus RNA1

VIRL\_3362 Soil-borne cereal mosaic virus RNA2

VIRL\_3383 Soil-borne wheat mosaic virus RNA1

VIRL\_3382 Soil-borne wheat mosaic virus RNA2

VIRL\_2198 Solanum nodiflorum mottle virus satellite RNA

VIRL\_3604 Solenopsis invicta virus 1

VIRL\_1706 Solenopsis invicta virus 2

VIRL\_1360 Solenopsis invicta virus 3

VIRL\_2381 Sonchus yellow net virus

VIRL\_2178 Sorghum chlorotic spot virus RNA 1

VIRL\_2426 Sorghum chlorotic spot virus RNA 2

VIRL\_3133 Sorghum mosaic virus

VIRL\_3175 South African cassava mosaic virus DNA A

VIRL\_2212 South African cassava mosaic virus DNA B

VIRL\_3129 Southern bean mosaic virus

VIRL\_2380 Southern cowpea mosaic virus

VIRL\_794 Southern tomato virus

VIRL\_267 Soybean chlorotic blotch virus DNA A

VIRL\_266 Soybean chlorotic blotch virus DNA B

VIRL\_3424 Soybean chlorotic mottle virus

VIRL\_2313 Soybean crinkle leaf virus

VIRL\_3316 Soybean dwarf virus

VIRL\_268 Soybean mild mottle virus

VIRL\_312 Soybean mosaic virus

VIRL\_1321 Soybean yellow mottle mosaic virus

VIRL\_1257 Sphaeropsis sapinea RNA virus 1

VIRL\_1256 Sphaeropsis sapinea RNA virus 2

VIRL\_879 Spilanthes yellow vein virus DNA-A

VIRL\_230 Spinach curly top virus

VIRL\_2210 Spinach latent virus RNA 1

VIRL\_213 Spinach latent virus RNA 2

VIRL\_2209 Spinach latent virus RNA 3

VIRL\_867 Spiroplasma kunkelii virus SkV1\_CR2-3x

VIRL\_2216 Spiroplasma phage 1-C74

VIRL\_3536 Spiroplasma phage 1-R8A2B

VIRL\_674 Spiroplasma phage 4

VIRL\_3370 Spiroplasma phage SVTS2

VIRL\_169 Spissistilus festinus virus 1

VIRL\_2488 Spleen focus-forming virus

VIRL\_384 Spodoptera exigua MNPV

VIRL\_1322 Spodoptera frugiperda ascovirus 1a

VIRL\_420 Spodoptera frugiperda MNPV virus

VIRL\_966 Spodoptera litura granulovirus

VIRL\_1239 Spodoptera litura NPV

VIRL\_3494 Spodoptera litura nucleopolyhedrovirus II

VIRL\_2166 Spring beauty latent virus RNA 1

VIRL\_2165 Spring beauty latent virus RNA 2

VIRL\_2164 Spring beauty latent virus RNA 3

VIRL\_234 Spring viraemia of carp virus

VIRL\_1601 Sputnik virophage

VIRL\_139 Squash leaf curl China virus - [B] DNA B

VIRL\_171 Squash leaf curl China virus - [B] DNA-A

VIRL\_907 Squash leaf curl Philippines virus segment A

VIRL\_906 Squash leaf curl Philippines virus segment B

VIRL\_35 Squash leaf curl virus A component DNA

VIRL\_34 Squash leaf curl virus B component DNA

VIRL\_2125 Squash leaf curl Yunnan virus

VIRL\_3037 Squash mild leaf curl virus-[Imperial Valley] DNA A

VIRL\_3036 Squash mild leaf curl virus-[Imperial Valley] DNA B

VIRL\_3177 Squash mosaic virus RNA 1

VIRL\_3176 Squash mosaic virus RNA 2

VIRL\_1541 Squash vein yellowing virus

VIRL\_2196 Squash yellow mild mottle virus DNA B

VIRL\_555 Squirrel monkey polyomavirus

VIRL\_57 Squirrel monkey retrovirus - HLB

VIRL\_3152 Sri Lankan cassava mosaic virus DNA A

VIRL\_3151 Sri Lankan cassava mosaic virus DNA B

VIRL\_320 St Croix River virus chromosome segment 10

VIRL\_988 St Croix River virus chromosome segment 2

VIRL\_352 St Croix River virus chromosome segment 3

VIRL\_326 St Croix River virus chromosome segment 4

VIRL\_325 St Croix River virus chromosome segment 5

VIRL\_324 St Croix River virus chromosome segment 6

VIRL\_323 St Croix River virus chromosome segment 7

VIRL\_322 St Croix River virus chromosome segment 8

VIRL\_321 St Croix River virus chromosome segment 9

VIRL\_1173 St Croix River virus segment 1

VIRL\_2095 St. Augustine decline satellite virus

VIRL\_2876 St. Louis encephalitis virus

VIRL\_3125 Stachytarpheta leaf curl virus

VIRL\_456 Staphylococcus phage 11

VIRL\_985 Staphylococcus phage 187

VIRL\_2032 Staphylococcus phage 2638A

VIRL\_2901 Staphylococcus phage 29

VIRL\_3666 Staphylococcus phage 37

VIRL\_2030 Staphylococcus phage 3A

VIRL\_2031 Staphylococcus phage 42e

VIRL\_2600 Staphylococcus phage 44AHJD

VIRL\_2904 Staphylococcus phage 47

VIRL\_2900 Staphylococcus phage 52A

VIRL\_2906 Staphylococcus phage 53

VIRL\_2027 Staphylococcus phage 55

VIRL\_2566 Staphylococcus phage 66

VIRL\_2907 Staphylococcus phage 69

VIRL\_2902 Staphylococcus phage 71

VIRL\_1459 Staphylococcus phage 77

VIRL\_1554 Staphylococcus phage 80alpha

VIRL\_2905 Staphylococcus phage 85

VIRL\_2899 Staphylococcus phage 88

VIRL\_2898 Staphylococcus phage 92

VIRL\_2903 Staphylococcus phage 96

VIRL\_1885 Staphylococcus phage CNPH82

VIRL\_2029 Staphylococcus phage EW

VIRL\_2565 Staphylococcus phage G1

VIRL\_1456 Staphylococcus phage K

VIRL\_807 Staphylococcus phage P954

VIRL\_1884 Staphylococcus phage PH15

VIRL\_2677 Staphylococcus phage phi2958PVL

VIRL\_2691 Staphylococcus phage phiETA

VIRL\_3497 Staphylococcus phage phiETA2

VIRL\_3496 Staphylococcus phage phiETA3

VIRL\_3495 Staphylococcus phage phiMR11

VIRL\_459 Staphylococcus phage phiMR25

VIRL\_2840 Staphylococcus phage phiNM1

VIRL\_749 Staphylococcus phage phiNM3

VIRL\_2599 Staphylococcus phage phiP68

VIRL\_824 Staphylococcus phage phiPVL-CN125

VIRL\_1889 Staphylococcus phage phiPVL108

VIRL\_1002 Staphylococcus phage phiSauS-IPLA35

VIRL\_1001 Staphylococcus phage phiSauS-IPLA88

VIRL\_2444 Staphylococcus phage phiSLT

VIRL\_1568 Staphylococcus phage PT1028

VIRL\_2028 Staphylococcus phage ROSA

VIRL\_2529 Staphylococcus phage SAP-2

VIRL\_54 Staphylococcus phage SAP-26

VIRL\_2567 Staphylococcus phage Twort

VIRL\_2897 Staphylococcus phage X2

VIRL\_2136 Staphylococcus prophage phi 12

VIRL\_2135 Staphylococcus prophage phi 13

VIRL\_2679 Staphylococcus prophage phiN315

VIRL\_2447 Staphylococcus prophage phiPV83

VIRL\_2692 Staphylococcus prophage PVL

VIRL\_1683 Staphylococcus prophage tp310-1

VIRL\_1682 Staphylococcus prophage tp310-2

VIRL\_1681 Staphylococcus prophage tp310-3

VIRL\_3673 Starling circovirus

VIRL\_2647 Steller sea lion vesivirus

VIRL\_2024 Stenotrophomonas phage phiSMA9

VIRL\_510 Stenotrophomonas phage S1

VIRL\_1910 Strawberry chlorotic fleck associated virus

VIRL\_2042 Strawberry latent ringspot virus RNA1

VIRL\_2909 Strawberry latent ringspot virus RNA2

VIRL\_3159 Strawberry latent ringspot virus satellite RNA

VIRL\_3179 Strawberry mild yellow edge virus

VIRL\_1505 Strawberry mottle virus RNA 1

VIRL\_1504 Strawberry mottle virus RNA 2

VIRL\_461 Strawberry necrotic shock virus RNA 1

VIRL\_462 Strawberry necrotic shock virus RNA 2

VIRL\_463 Strawberry necrotic shock virus RNA 3

VIRL\_1323 Strawberry pallidosis-associated virus RNA 1

VIRL\_947 Strawberry pallidosis-associated virus RNA 2

VIRL\_2375 Strawberry vein banding virus

VIRL\_1911 Streptocarpus flower break virus

VIRL\_2036 Streptococcus phage 2972

VIRL\_1412 Streptococcus phage 5093

VIRL\_2454 Streptococcus phage 7201

VIRL\_1550 Streptococcus phage 858

VIRL\_957 Streptococcus phage Abc2

VIRL\_958 Streptococcus phage ALQ13.2

VIRL\_2593 Streptococcus phage C1

VIRL\_2631 Streptococcus phage Cp-1

VIRL\_2463 Streptococcus phage DT1

VIRL\_1397 Streptococcus phage M102

VIRL\_1482 Streptococcus phage O1205

VIRL\_2531 Streptococcus phage P9

VIRL\_1411 Streptococcus phage PH10

VIRL\_3554 Streptococcus phage PH15

VIRL\_1725 Streptococcus phage phi3396

VIRL\_2451 Streptococcus phage Sfi11

VIRL\_2462 Streptococcus phage Sfi19

VIRL\_2461 Streptococcus phage Sfi21

VIRL\_1467 Streptococcus phage SM1

VIRL\_992 Streptococcus phage SMP

VIRL\_1396 Streptococcus prophage 315.1

VIRL\_1349 Streptococcus prophage 315.2

VIRL\_1348 Streptococcus prophage 315.4

VIRL\_1347 Streptococcus prophage 315.5

VIRL\_1346 Streptococcus prophage 315.6

VIRL\_2086 Streptococcus prophage EJ-1

VIRL\_3318 Streptococcus prophage MM1

VIRL\_436 Streptococcus pyogenes phage 315.3

VIRL\_1032 Streptomyces phage mu1/6

VIRL\_2121 Streptomyces phage phiBT1

VIRL\_2468 Streptomyces phage phiC31

VIRL\_250 Streptomyces phage phiSASD1

VIRL\_2713 Streptomyces phage VWB

VIRL\_1370 Stretch Lagoon orbivirus segment 1

VIRL\_1369 Stretch Lagoon orbivirus segment 2

VIRL\_3286 Striped Jack nervous necrosis virus

VIRL\_3287 Striped Jack nervous necrosis virus RNA1

VIRL\_151 Stx1 converting phage

VIRL\_2611 Stx2 converting phage I

VIRL\_163 Stx2 converting phage II

VIRL\_516 Stx2-converting phage 1717

VIRL\_2546 Stx2-converting phage 86

VIRL\_3068 Subterranean clover mottle virus

VIRL\_3157 Subterranean clover mottle virus satellite RNA

VIRL\_2207 Subterranean clover stunt virus DNA 2

VIRL\_2208 Subterranean clover stunt virus DNA 1

VIRL\_2206 Subterranean clover stunt virus DNA 3

VIRL\_2205 Subterranean clover stunt virus DNA 4

VIRL\_3171 Subterranean clover stunt virus DNA 5

VIRL\_2204 Subterranean clover stunt virus DNA 6

VIRL\_2203 Subterranean clover stunt virus DNA 7

VIRL\_1494 Subterranean clover stunt virus DNA 8

VIRL\_2684 Sudan ebolavirus

VIRL\_2320 Sugarcane bacilliform IM virus

VIRL\_1948 Sugarcane bacilliform Mor virus

VIRL\_155 Sugarcane bacilliform virus

VIRL\_3295 Sugarcane mosaic virus

VIRL\_3409 Sugarcane streak Egypt virus - [Giza]

VIRL\_409 Sugarcane streak mosaic virus

VIRL\_911 Sugarcane streak Reunion virus

VIRL\_3202 Sugarcane streak virus - [Natal]

VIRL\_989 Sugarcane striate mosaic-associated virus

VIRL\_3375 Sugarcane yellow leaf virus

VIRL\_349 Suid herpesvirus 1

VIRL\_681 Sulfolobus islandicus filamentous virus

VIRL\_665 Sulfolobus islandicus rod-shaped virus 1

VIRL\_666 Sulfolobus islandicus rod-shaped virus 2

VIRL\_553 Sulfolobus spindle-shaped virus 4

VIRL\_528 Sulfolobus spindle-shaped virus 5

VIRL\_178 Sulfolobus spindle-shaped virus 6

VIRL\_177 Sulfolobus spindle-shaped virus 7

VIRL\_228 Sulfolobus turreted icosahedral virus

VIRL\_280 Sulfolobus turreted icosahedral virus 2

VIRL\_2503 Sulfolobus virus 1

VIRL\_1463 Sulfolobus virus 2

VIRL\_2583 Sulfolobus virus Kamchatka 1

VIRL\_641 Sulfolobus virus Ragged Hills

VIRL\_637 Sulfolobus virus STSV1

VIRL\_199 Sunflower chlorotic mottle virus

VIRL\_1390 Sunn hemp leaf distortion virus DNA-A

VIRL\_526 Sus scrofa papillomavirus type 1

VIRL\_2211 Sweet clover necrotic mosaic virus RNA 1

VIRL\_3173 Sweet clover necrotic mosaic virus RNA 2

VIRL\_974 Sweet potato chlorotic fleck virus

VIRL\_1485 Sweet potato chlorotic stunt virus RNA 1

VIRL\_2163 Sweet potato chlorotic stunt virus RNA 2

VIRL\_2367 Sweet potato feathery mottle virus

VIRL\_458 Sweet potato leaf curl Bengal virus - [India

VIRL\_811 Sweet potato leaf curl Canary virus

VIRL\_2130 Sweet potato leaf curl Georgia virus

VIRL\_810 Sweet potato leaf curl Lanzarote virus

VIRL\_841 Sweet potato leaf curl Spain virus

VIRL\_3035 Sweet potato leaf curl virus

VIRL\_2214 Sweet potato mild mottle virus

VIRL\_1398 Sweetpotato badnavirus B

VIRL\_677 Swinepox virus

VIRL\_2613 Synechococcus phage P60

VIRL\_623 Synechococcus phage S-PM2

VIRL\_474 Synechococcus phage S-RSM4

VIRL\_582 Synechococcus phage syn9

VIRL\_2153 Tacaribe virus segment L

VIRL\_2152 Tacaribe virus segment S

VIRL\_3135 Tamana bat virus

VIRL\_2772 Tamiami virus segment L

VIRL\_1149 Tamiami virus segment S (small)

VIRL\_556 Tanapox virus

VIRL\_2706 Taro bacilliform virus

VIRL\_1308 Taro vein chlorosis virus

VIRL\_583 Taterapox virus

VIRL\_327 Taura syndrome virus

VIRL\_431 Telosma mosaic virus

VIRL\_1580 Temperate phage phiNIH1.1

VIRL\_552 Thalassomonas phage BA3

VIRL\_316 Theilovirus sp

VIRL\_636 Thermoproteus tenax spherical virus 1

VIRL\_1350 Thermus phage IN93

VIRL\_2536 Thermus phage P23-45

VIRL\_744 Thermus phage P23-77

VIRL\_2535 Thermus phage P74-26

VIRL\_576 Thermus phage phiYS40

VIRL\_201 Thielaviopsis basicola mitovirus

VIRL\_1167 Thogoto virus

VIRL\_451 Thogoto virus chromosome segment 2

VIRL\_450 Thogoto virus chromosome segment 3

VIRL\_2057 Thogoto virus segment 1

VIRL\_2058 Thogoto virus segment 5

VIRL\_1168 Thogoto virus segment 6

VIRL\_2768 Thottapalayam virus segment L

VIRL\_2767 Thottapalayam virus segment M

VIRL\_1633 Thottapalayam virus segment S

VIRL\_2719 Thrush coronavirus HKU12-600

VIRL\_2895 Thunberg fritillary virus

VIRL\_3431 Tick-borne encephalitis virus

VIRL\_410 Tiger puffer nervous necrosis virus RNA 1

VIRL\_1329 Tiger puffer nervous necrosis virus RNA2

VIRL\_1202 Tioman virus

VIRL\_1193 Tobacco bushy top virus

VIRL\_269 Tobacco bushy top virus satellite-like RNA

VIRL\_3215 Tobacco curly shoot virus

VIRL\_3008 Tobacco curly shoot virus associated DNA 1

VIRL\_3058 Tobacco curly shoot virus-associated DNA beta

VIRL\_3448 Tobacco etch virus

VIRL\_3011 Tobacco leaf curl disease associated sequence virion

VIRL\_3034 Tobacco leaf curl Japan virus

VIRL\_2129 Tobacco leaf curl Kochi virus

VIRL\_1705 Tobacco leaf curl Thailand virus

VIRL\_44 Tobacco leaf curl virus

VIRL\_803 Tobacco leaf curl virus-associated DNA beta

VIRL\_3066 Tobacco leaf curl Yunnan virus - [Y136]

VIRL\_3005 Tobacco leaf curl Yunnan virus associated DNA 1

VIRL\_3016 Tobacco leaf curl Yunnan virus satellite DNA beta

VIRL\_375 Tobacco leaf curl Zimbabwe virus

VIRL\_1276 Tobacco mild green mosaic virus

VIRL\_2500 Tobacco mosaic virus

VIRL\_2383 Tobacco necrosis satellite virus

VIRL\_217 Tobacco necrosis virus A

VIRL\_370 Tobacco necrosis virus D

VIRL\_3174 Tobacco rattle virus RNA 1

VIRL\_3172 Tobacco rattle virus RNA 2

VIRL\_2096 Tobacco ringspot virus RNA 1

VIRL\_2097 Tobacco ringspot virus RNA 2

VIRL\_2191 Tobacco ringspot virus satellite RNA

VIRL\_3161 Tobacco streak virus RNA 1

VIRL\_3162 Tobacco streak virus RNA 2

VIRL\_3160 Tobacco streak virus RNA 3

VIRL\_1666 Tobacco vein banding mosaic virus

VIRL\_371 Tobacco vein clearing virus

VIRL\_1632 Tobacco vein distorting virus

VIRL\_3422 Tobacco vein mottling virus

VIRL\_834 Tobacco yellow crinkle virus-[Capsicum

VIRL\_2202 Tobacco yellow dwarf virus

VIRL\_3163 Tomato aspermy virus RNA 1

VIRL\_2428 Tomato aspermy virus RNA 2

VIRL\_3164 Tomato aspermy virus RNA 3

VIRL\_1468 Tomato begomovirus satellite DNA beta

VIRL\_2144 Tomato black ring virus RNA 1

VIRL\_3063 Tomato black ring virus RNA 2

VIRL\_3145 Tomato black ring virus satellite RNA

VIRL\_1277 Tomato bushy stunt virus

VIRL\_3168 Tomato bushy stunt virus satellite RNA B1

VIRL\_1128 Tomato chino La Paz virus segment A

VIRL\_1048 Tomato chlorosis virus RNA 1

VIRL\_1047 Tomato chlorosis virus RNA 2

VIRL\_3224 Tomato chlorotic mottle virus DNA A

VIRL\_3223 Tomato chlorotic mottle virus DNA B

VIRL\_43 Tomato chocolate spot virus RNA1

VIRL\_42 Tomato chocolate spot virus RNA2

VIRL\_850 Tomato common mosaic virus DNA-A

VIRL\_849 Tomato common mosaic virus DNA-B

VIRL\_1476 Tomato curly stunt virus

VIRL\_2485 Tomato golden mosaic virus DNA A

VIRL\_2484 Tomato golden mosaic virus DNA B

VIRL\_2856 Tomato golden mottle virus DNA A

VIRL\_1943 Tomato golden mottle virus DNA B

VIRL\_192 Tomato infectious chlorosis virus RNA 1

VIRL\_191 Tomato infectious chlorosis virus RNA 2

VIRL\_885 Tomato leaf curl Arusha virus DNA-A

VIRL\_3144 Tomato leaf curl Bangalore virus

VIRL\_1665 Tomato leaf curl Bangalore virus-[Ban5] satellite DNA beta

VIRL\_2137 Tomato leaf curl Bangladesh virus

VIRL\_997 Tomato leaf curl Cameroon virus - [Cameroon

VIRL\_860 Tomato leaf curl Cebu virus DNA-A

VIRL\_2971 Tomato leaf curl China virus - [G32]

VIRL\_2958 Tomato leaf curl China virus satellite DNA beta

VIRL\_95 Tomato leaf curl Cotabato virus DNA-A

VIRL\_55 Tomato leaf curl Ghana virus segment A

VIRL\_1908 Tomato leaf curl Guangdong virus DNA-A

VIRL\_889 Tomato leaf curl Guangxi virus

VIRL\_3057 Tomato leaf curl Gujarat virus - [Varanasi] segment A

VIRL\_2139 Tomato leaf curl Gujarat virus - [Varanasi] segment B

VIRL\_1372 Tomato leaf curl Hainan virus

VIRL\_888 Tomato leaf curl Hsinchu virus - [Taiwan

VIRL\_908 Tomato leaf curl Iran virus

VIRL\_1387 Tomato leaf curl Java virus

VIRL\_3605 Tomato leaf curl Java virus-[Ageratum] satellite DNA

VIRL\_2791 Tomato leaf curl Joydebpur beta virus

VIRL\_2870 Tomato leaf curl Joydebpur virus DNA-A

VIRL\_3142 Tomato leaf curl Karnataka virus

VIRL\_1898 Tomato leaf curl Karnataka virus-associated DNA beta DNA-A

VIRL\_839 Tomato leaf curl Kerala virus

VIRL\_5 Tomato leaf curl Kumasi virus segment A

VIRL\_2138 Tomato leaf curl Laos virus

VIRL\_2913 Tomato leaf curl Madagascar virus

VIRL\_2126 Tomato leaf curl Malaysia virus

VIRL\_231 Tomato leaf curl Mali virus

VIRL\_2912 Tomato leaf curl Mayotte virus

VIRL\_859 Tomato leaf curl Mindanao virus DNA-A

VIRL\_3048 Tomato leaf curl New Delhi virus DNA A

VIRL\_3047 Tomato leaf curl New Delhi virus DNA B

VIRL\_2966 Tomato leaf curl New Delhi virus-associated DNA beta

VIRL\_1585 Tomato leaf curl Nigeria virus-[Nigeria

VIRL\_1 Tomato leaf curl Oman virus

VIRL\_1408 Tomato leaf curl Pakistan virus associated DNA 1

VIRL\_892 Tomato leaf curl Pakistan virus segment A

VIRL\_1619 Tomato leaf curl Palampur virus

VIRL\_1618 Tomato leaf curl Palampur virus

VIRL\_4 Tomato leaf curl Patna virus DNA-A

VIRL\_3 Tomato leaf curl Patna virus satellite DNA beta

VIRL\_2705 Tomato leaf curl Philippine virus satellite DNA beta

VIRL\_3015 Tomato leaf curl Philippines virus

VIRL\_1901 Tomato leaf curl Pune virus

VIRL\_884 Tomato leaf curl Seychelles virus

VIRL\_872 Tomato leaf curl Sinaloa virus DNA A

VIRL\_873 Tomato leaf curl Sinaloa virus DNA B

VIRL\_2127 Tomato leaf curl Sri Lanka virus

VIRL\_2961 Tomato leaf curl Sudan virus - [Gezira]

VIRL\_2 Tomato leaf curl Sulawesi virus DNA-A

VIRL\_3141 Tomato leaf curl Taiwan virus

VIRL\_1586 Tomato leaf curl Togo virus-[Togo

VIRL\_917 Tomato leaf curl Vietnam virus DNA A

VIRL\_3143 Tomato leaf curl virus

VIRL\_3346 Tomato leaf curl virus satellite DNA

VIRL\_3028 Tomato leaf curl virus-associated DNA beta

VIRL\_1897 Tomato leaf curl virus-Pune-associated DNA beta DNA-A

VIRL\_27 Tomato leaf deformation virus DNA-A

VIRL\_1612 Tomato marchitez virus RNA 1

VIRL\_1611 Tomato marchitez virus RNA 2

VIRL\_852 Tomato mild mosaic virus DNA-A

VIRL\_851 Tomato mild mosaic virus DNA-B

VIRL\_1715 Tomato mild yellow leaf curl Aragua virus DNA A

VIRL\_1714 Tomato mild yellow leaf curl Aragua virus DNA B

VIRL\_3149 Tomato mosaic Havana virus DNA A

VIRL\_2195 Tomato mosaic Havana virus DNA B

VIRL\_1427 Tomato mosaic leaf curl virus DNA A

VIRL\_1426 Tomato mosaic leaf curl virus DNA B

VIRL\_413 Tomato mosaic virus

VIRL\_2369 Tomato mottle Taino virus DNA A

VIRL\_2364 Tomato mottle Taino virus DNA B

VIRL\_3394 Tomato mottle virus DNA A

VIRL\_3393 Tomato mottle virus DNA B

VIRL\_2201 Tomato pseudo-curly top virus

VIRL\_2199 Tomato ringspot virus RNA 1

VIRL\_2200 Tomato ringspot virus RNA 2

VIRL\_2341 Tomato rugose mosaic virus DNA A

VIRL\_2340 Tomato rugose mosaic virus DNA B

VIRL\_3038 Tomato severe leaf curl virus

VIRL\_871 Tomato severe rugose virus DNA A

VIRL\_1691 Tomato severe rugose virus DNA B

VIRL\_3380 Tomato spotted wilt virus genomic RNA

VIRL\_3379 Tomato spotted wilt virus RNA L

VIRL\_2464 Tomato spotted wilt virus RNA M

VIRL\_1728 Tomato torrado virus RNA1

VIRL\_1724 Tomato torrado virus RNA2

VIRL\_1674 Tomato yellow dwarf disease associated satellite DNA beta-[Kochi] virus

VIRL\_3131 Tomato yellow leaf curl China virus

VIRL\_3007 Tomato yellow leaf curl China virus associated DNA 1

VIRL\_3059 Tomato yellow leaf curl China virus satellite DNA beta

VIRL\_1907 Tomato yellow leaf curl Guangdong virus DNA-A

VIRL\_1916 Tomato yellow leaf curl Indonesia virus-[Lembang]

VIRL\_6 Tomato yellow leaf curl Kanchanaburi virus DNA A

VIRL\_7 Tomato yellow leaf curl Kanchanaburi virus DNA B

VIRL\_913 Tomato yellow leaf curl Malaga virus

VIRL\_2002 Tomato yellow leaf curl Mali virus-associated DNA beta

VIRL\_3167 Tomato yellow leaf curl Sardinia virus

VIRL\_996 Tomato yellow leaf curl Thailand betasatellite - [India

VIRL\_3006 Tomato yellow leaf curl Thailand virus associated DNA 1

VIRL\_3377 Tomato yellow leaf curl Thailand virus DNA A

VIRL\_3376 Tomato yellow leaf curl Thailand virus DNA B

VIRL\_3019 Tomato yellow leaf curl Thailand virus satellite DNA beta

VIRL\_876 Tomato yellow leaf curl Vietnam virus DNA-A

VIRL\_2814 Tomato yellow leaf curl Vietnam virus satellite DNA beta

VIRL\_1389 Tomato yellow leaf curl virus

VIRL\_2792 Tomato yellow leaf curl virus-associated DNA beta

VIRL\_1425 Tomato yellow margin leaf curl virus DNA A

VIRL\_1424 Tomato yellow margin leaf curl virus DNA B

VIRL\_896 Tomato yellow spot virus DNA-A

VIRL\_895 Tomato yellow spot virus DNA-B

VIRL\_844 Tomato yellow vein streak virus DNA-A

VIRL\_843 Tomato yellow vein streak virus DNA-B

VIRL\_1542 Tomato zonate spot virus segment L

VIRL\_1647 Tomato zonate spot virus segment M

VIRL\_1543 Tomato zonate spot virus segment S

VIRL\_307 Torque teno canis virus

VIRL\_291 Torque teno douroucouli virus

VIRL\_306 Torque teno felis virus

VIRL\_317 Torque teno midi virus 1

VIRL\_285 Torque teno midi virus 2

VIRL\_281 Torque teno mini virus 1

VIRL\_292 Torque teno mini virus 2

VIRL\_290 Torque teno mini virus 3

VIRL\_288 Torque teno mini virus 4

VIRL\_289 Torque teno mini virus 5

VIRL\_283 Torque teno mini virus 6

VIRL\_296 Torque teno mini virus 7

VIRL\_310 Torque teno mini virus 8

VIRL\_330 Torque teno mini virus 9

VIRL\_308 Torque teno sus virus 1

VIRL\_286 Torque teno sus virus 2

VIRL\_293 Torque teno tamarin virus

VIRL\_331 Torque teno virus 1

VIRL\_302 Torque teno virus 10

VIRL\_303 Torque teno virus 12

VIRL\_301 Torque teno virus 14

VIRL\_282 Torque teno virus 15

VIRL\_287 Torque teno virus 16

VIRL\_300 Torque teno virus 19

VIRL\_46 Torque teno virus 2

VIRL\_295 Torque teno virus 25

VIRL\_299 Torque teno virus 26

VIRL\_304 Torque teno virus 27

VIRL\_305 Torque teno virus 28

VIRL\_297 Torque teno virus 3

VIRL\_309 Torque teno virus 4

VIRL\_284 Torque teno virus 6

VIRL\_298 Torque teno virus 7

VIRL\_294 Torque teno virus 8

VIRL\_2922 Toscana virus segment L

VIRL\_2408 Toscana virus segment M

VIRL\_2923 Toscana virus segment S

VIRL\_1324 Transmissible gastroenteritis virus

VIRL\_2143 Tree shrew adenovirus

VIRL\_367 Triatoma virus

VIRL\_224 Trichechus manatus latirostris papillomavirus type 1

VIRL\_167 Trichodysplasia spinulosa-associated polyomavirus

VIRL\_3169 Trichomonas vaginalis virus

VIRL\_976 Trichomonas vaginalis virus 3

VIRL\_2194 Trichomonas vaginalis virus II

VIRL\_3671 Trichoplusia ni ascovirus 2c

VIRL\_2339 Trichoplusia ni cytoplasmic polyhedrosis virus 15 segment 1

VIRL\_3352 Trichoplusia ni cytoplasmic polyhedrosis virus 15 segment 10

VIRL\_2331 Trichoplusia ni cytoplasmic polyhedrosis virus 15 segment 11

VIRL\_2338 Trichoplusia ni cytoplasmic polyhedrosis virus 15 segment 2

VIRL\_2337 Trichoplusia ni cytoplasmic polyhedrosis virus 15 segment 3

VIRL\_2330 Trichoplusia ni cytoplasmic polyhedrosis virus 15 segment 4

VIRL\_2336 Trichoplusia ni cytoplasmic polyhedrosis virus 15 segment 5

VIRL\_2335 Trichoplusia ni cytoplasmic polyhedrosis virus 15 segment 6

VIRL\_2334 Trichoplusia ni cytoplasmic polyhedrosis virus 15 segment 7

VIRL\_2333 Trichoplusia ni cytoplasmic polyhedrosis virus 15 segment 8

VIRL\_2332 Trichoplusia ni cytoplasmic polyhedrosis virus 15 segment 9

VIRL\_1445 Trichoplusia ni SNPV

VIRL\_129 Triticum mosaic virus

VIRL\_2092 Tula virus segment L

VIRL\_2411 Tula virus segment M

VIRL\_2988 Tula virus segment S

VIRL\_3635 Tulare apple mosaic virus RNA1

VIRL\_3634 Tulare apple mosaic virus RNA2

VIRL\_3633 Tulare apple mosaic virus RNA3

VIRL\_2150 Tulip virus X

VIRL\_254 Tupaia paramyxovirus

VIRL\_1055 Tupaia virus

VIRL\_60 Tupaiid herpesvirus 1

VIRL\_31 Turdivirus 1

VIRL\_30 Turdivirus 2

VIRL\_29 Turdivirus 3

VIRL\_3389 Turkey adenovirus A

VIRL\_3305 Turkey adenovirus A

VIRL\_2448 Turkey astrovirus

VIRL\_1174 Turkey astrovirus 2

VIRL\_2762 Turkey coronavirus

VIRL\_1064 Turnip crinkle virus

VIRL\_2177 Turnip crinkle virus satellite RNA

VIRL\_3548 Turnip crinkle virus virulent satellite RNA C

VIRL\_49 Turnip curly top virus

VIRL\_156 Turnip mosaic virus

VIRL\_107 Turnip ringspot virus RNA 1

VIRL\_106 Turnip ringspot virus RNA 2

VIRL\_2140 Turnip rosette virus

VIRL\_1263 Turnip vein-clearing virus

VIRL\_3128 Turnip yellow mosaic virus

VIRL\_2230 Turnip yellows virus

VIRL\_533 Tursiops truncatus papillomavirus type 1

VIRL\_590 Tursiops truncatus papillomavirus type 2

VIRL\_532 Tursiops truncatus papillomavirus type 3

VIRL\_842 TYLCAxV-Sic1-[IT

VIRL\_1956 TYLCCNV-[Y322] satellite DNA beta virus

VIRL\_2480 UR2 sarcoma virus

VIRL\_856 Urochloa streak virus

VIRL\_539 Ursus maritimus papillomavirus type 1

VIRL\_212 Ustilago maydis virus H1

VIRL\_1098 Usutu virus

VIRL\_208 Uukuniemi virus

VIRL\_1176 Uukuniemi virus chromosome segment M

VIRL\_2093 Uukuniemi virus segment L

VIRL\_618 Vaccinia virus

VIRL\_711 Variola virus

VIRL\_1100 Varroa destructor virus 1

VIRL\_1336 Velvet bean severe mosaic virus DNA A

VIRL\_1335 Velvet bean severe mosaic virus DNA B

VIRL\_28 Velvet tobacco mottle virus

VIRL\_2190 Velvet tobacco mottle virus Satellite RNA

VIRL\_3472 Venezuelan equine encephalitis virus

VIRL\_1631 Verbena virus Y

VIRL\_200 Vernonia yellow vein betasatellite

VIRL\_203 Vernonia yellow vein virus DNA-A

VIRL\_3353 Vesicular exanthema of swine virus

VIRL\_314 Vesicular stomatitis Indiana virus

VIRL\_2602 Vibrio phage fs1

VIRL\_696 Vibrio phage fs2

VIRL\_2615 Vibrio phage K139

VIRL\_2525 Vibrio phage kappa

VIRL\_2571 Vibrio phage KSF-1phi

VIRL\_650 Vibrio phage KVP40

VIRL\_998 Vibrio phage N4

VIRL\_479 Vibrio phage VEJphi

VIRL\_2572 Vibrio phage Vf12

VIRL\_2573 Vibrio phage Vf33

VIRL\_2627 Vibrio phage VfO3K6

VIRL\_2626 Vibrio phage VfO4K68

VIRL\_1470 Vibrio phage VGJphi

VIRL\_467 Vibrio phage VHML

VIRL\_2579 Vibrio phage VP2

VIRL\_2575 Vibrio phage VP5

VIRL\_567 Vibrio phage VP882

VIRL\_333 Vibrio phage VP93

VIRL\_1212 Vibrio phage VpV262

VIRL\_2614 Vibrio phage VSK

VIRL\_2564 Vibriophage VP4

VIRL\_2892 Vicia cryptic virus RNA1

VIRL\_1049 Vicia cryptic virus RNA2

VIRL\_1974 Vicia faba endornavirus

VIRL\_3378 Viral hemorrhagic septicemia virus

VIRL\_3471 Visna/Maedi virus

VIRL\_3410 Walleye dermal sarcoma virus

VIRL\_3618 Walrus calicivirus

VIRL\_3219 Watermelon chlorotic stunt virus DNA A

VIRL\_3218 Watermelon chlorotic stunt virus DNA B

VIRL\_1110 Watermelon mosaic virus

VIRL\_79 Watermelon silver mottle virus segment L

VIRL\_78 Watermelon silver mottle virus segment M

VIRL\_77 Watermelon silver mottle virus segment S

VIRL\_964 Wesselsbron virus

VIRL\_2799 West Nile virus (lineage I strain NY99)

VIRL\_3447 West Nile virus (lineage II strain 956)

VIRL\_2189 Western equine encephalomyelitis virus

VIRL\_535 Western roedeer papillomavirus 1

VIRL\_3313 Wheat dwarf virus

VIRL\_3589 Wheat eqlid mosaic virus

VIRL\_3407 Wheat streak mosaic virus

VIRL\_126 Wheat yellow dwarf virus-RPV

VIRL\_3360 Wheat yellow mosaic virus RNA 1

VIRL\_3361 Wheat yellow mosaic virus RNA 2

VIRL\_3527 White ash mosaic virus

VIRL\_1902 White bream virus

VIRL\_204 White clover cryptic virus 1 RNA1

VIRL\_1107 White clover cryptic virus 1 RNA2

VIRL\_3170 White clover mosaic virus

VIRL\_2771 Whitewater Arroyo virus segment L

VIRL\_2773 Whitewater Arroyo virus segment S

VIRL\_2145 Wild potato mosaic virus

VIRL\_430 Wild tomato mosaic virus

VIRL\_1617 Wissadula golden mosaic St Thomas Virus DNA A

VIRL\_1616 Wissadula golden mosaic St Thomas Virus DNA B

VIRL\_2020 Wisteria vein mosaic virus

VIRL\_2742 Wongabel virus

VIRL\_1201 Woodchuck hepatitis virus

VIRL\_161 Woolly monkey sarcoma virus

VIRL\_561 WU Polyomavirus

VIRL\_2498 Xanthomonas phage Cf1c

VIRL\_2561 Xanthomonas phage OP1

VIRL\_1962 Xanthomonas phage OP2

VIRL\_487 Xanthomonas phage phiL7

VIRL\_2539 Xanthomonas phage Xop411

VIRL\_2591 Xanthomonas phage Xp10

VIRL\_2035 Xanthomonas phage Xp15

VIRL\_1613 Xenopus laevis endogenous retrovirus Xen1

VIRL\_2868 Xenotropic MuLV-related virus VP62

VIRL\_762 Xestia c-nigrum granulovirus

VIRL\_940 Xylella phage Xfas53

VIRL\_2855 Y73 sarcoma virus

VIRL\_647 Yaba monkey tumor virus

VIRL\_685 Yaba-like disease virus

VIRL\_2414 Yam mosaic virus

VIRL\_3446 Yellow fever virus

VIRL\_3112 Yellowtail ascites virus segment A

VIRL\_3111 Yellowtail ascites virus segment B

VIRL\_654 Yersinia pestis phage phiA1122

VIRL\_2544 Yersinia phage Berlin

VIRL\_657 Yersinia phage L-413C

VIRL\_689 Yersinia phage phiYeO3-12

VIRL\_2412 Yersinia phage PY54

VIRL\_2516 Yersinia phage Yepe2

VIRL\_2103 Yokose virus

VIRL\_3064 Youcai mosaic virus

VIRL\_1973 Yunnan orbivirus segment 1

VIRL\_1964 Yunnan orbivirus segment 10

VIRL\_1972 Yunnan orbivirus segment 2

VIRL\_1971 Yunnan orbivirus segment 3

VIRL\_1970 Yunnan orbivirus segment 4

VIRL\_1969 Yunnan orbivirus segment 5

VIRL\_1968 Yunnan orbivirus segment 6

VIRL\_1967 Yunnan orbivirus segment 7

VIRL\_1966 Yunnan orbivirus segment 8

VIRL\_1965 Yunnan orbivirus segment 9

VIRL\_380 Zaire ebolavirus

VIRL\_3511 Zantedeschia mild mosaic virus

VIRL\_2668 Zika virus

VIRL\_3013 Zinnia leaf curl disease associated sequence virion

VIRL\_1457 Zinnia leaf curl virus-associated DNA beta

VIRL\_3147 Zucchini green mottle mosaic virus

VIRL\_3314 Zucchini yellow mosaic virus

VIRL\_1115 Zygocactus virus X

VIRL\_1213 Zygosaccharomyces bailii virus Z

BACT\_6001 Enterococcus faecalis OG1RF

BACT\_6002 Helicobacter pylori 26695

BACT\_6003 Lactobacillus gasseri ATCC 33323

BACT\_6004 Listeria monocytogenes EGD-e

BACT\_6005 Propionibacterium acnes KPA171202

BACT\_6006 Pseudomonas aeruginosa PAO1

BACT\_6007 Streptococcus agalactiae 2603V/R

BACT\_6008 Streptococcus pneumoniae TIGR4

BACT\_6009 Staphylococcus epidermidis ATCC 12228