Nodamuvirales Magsaviricetes, Kitrinoviricota USC30122 Nodaviridae sp.
USC30108 Nodaviridae sp.
USC30134 Nodaviridae sp.
USC30119 Nodaviridae sp.
USC30055 Nodaviridae sp.
USC300111 Nodaviridae sp.
APG76470.1 Hubei noda-like virus 3 USC30094 Nodaviridae sp.
USC30090 Nodaviridae sp.
USC30092 Nodaviridae sp.
USC30072 Nodaviridae sp.
USC30109 Nodaviridae sp.
USC30109 Nodaviridae sp.
USC30066 Nodaviridae sp.
USC30137 Nodaviridae sp.
USC30136 Nodaviridae sp. USC30107 Nodaviridae sp. USC30112 Nodaviridae sp. APG76485.1 Hubei noda-like virus 2 USC30112 Nodaviridae sp.

USC30082 Nodaviridae sp.

USC30121 Nodaviridae sp.

USC30108 Nodaviridae sp.

USC30108 Nodaviridae sp.

USC30108 Nodaviridae sp.

USC30118 Nodaviridae sp.

APG76452.1 Sanxia noda-like virus 1

USC30103 Nodaviridae sp.

USC30123 Nodaviridae sp.

CC1A_k141_105543 Chrocohinb virus

CC1A_k141_11279 Chrocohinb virus

CC1B_k141_11279 Chrocohinb virus

CC1B_k141_45773 Chrocohyst virus USC30116 Nodaviridae sp.
SP1C_k141_88093 Sopocis virus
SP1A_k141_25527 Sopowat virus
SP1B_k141_131403 Sopolol virus
USC30141 Nodaviridae sp.
CC1C_k141_45919 Chrocolird virus — CC1C_k141_45919 Chrod USC30074 Nodaviridae sp. — USC30074 Nodaviridae sp.
USC30113 Nodaviridae sp.
USC30080 Nodaviridae sp.
USC300110 Nodaviridae sp.
USC30091 Nodaviridae sp.
— MP1_k141_201777 Ripobref virus
— MP1_k141_201777 Ripobref virus
— MP1_k141_201777 Ripobref virus
— MP1_k141_201777 Ripobref virus USC30093 Nodaviridae sp.
 SP1C_k141_227394 Sopoban virus
 SP2C_k141_14909 Sopomir virus
 USC30142 Nodaviridae sp. USC30073 Nodaviridae sp.

KCAP1_k141_94980 Ripotrek virus USC30073 Nodavina
— KCAP1_k141_94980 Ripouen ...

— USC30149 Nodaviridae sp.

— KCAP1_k141_543444 Ripokret virus

— KCAP1_k141_415548 Ripomym virus KCAP2_k141_413683 Ripofryj virus
CC1B_k141_93320 Chrocowerd virus CC1B k141 93320 Chrocowerd virus

- USC30140 Nodaviridae sp.
- KCAP2 k141 131043 Ripogler virus
- KCAP1 k141 41567 Ripokonb virus
- KCAP1 k141 41567 Ripokonb virus
- KCAP1 k141 684657 Ripoship virus
- KCAP1 k141 542651 Ripoglor virus
- KCAP1 k141 542651 Ripoglor virus
- KCAP1 k141 326981 Ripogand virus
- DRCP2B k141 326981 Ripogand virus
- DRCP2B k141 74003 Ripoland virus
- RCCP2 k141 2494 Ripolox virus
- MP3 k141 198874 Riponib virus
- MP3 k141 13346 Sonojvz virus
- SN1 k141 413346 Sonojvz virus MP3_k141_198874 Riponib virus

SN1_k141_413346 Sonojyz virus

RCCP2_k141_138943 Ripobad virus

KCAP3_k141_91950 Ripoflan virus

KCAP2_k141_1956386 Ripodryd virus

KCAP2_k141_327518 Ripotriz virus

RCCP2_k141_219626 Ripodryd virus

RCCP2_k141_219626 Ripodryd virus

KCAP1_k141_315526 Ripojast virus

KCAP1_k141_315526 Ripojast virus

CC1B_k141_59280 Chrocowark virus

CC1C_k141_79188 Chrocohisk virus

SN1_k141_109719 Sonotyl virus

MP3_k141_68772 Ripodryn virus

KCAP3_k141_68772 Ripodryn virus

KCAP3_k141_68772 Ripofrup virus

30129 Nodaviridae sp. USC30129 Nodaviridae sp.

MP3_kt41_55262 Riponiq virus

KCAP1_k141_26656 Ripolirb viru KCAP1_k141_26656 Ripolirb virus
SP2B_k141_69533 Sopodub virus
RCCP2_k141_90956 Ripodos virus
KCAP1_k141_541442 Riposelt virus
CC1A_k141_129064 Chrocorelt virus
MP3_k141_159612 Riposys virus
KCAP1_k141_549745 Ripoglev virus
MP3_k141_128543 Ripolit virus
DRCP2B_k141_318076 Ripovord virus
MP3_k141_31479 Ripocut virus
MP3_k141_31479 Ripocut virus MP3 k141_128543 Ripolit virus

DRCP2B_k141_318076 Ripovord virus

MP3 k141_312479 Ripocuf virus

KCAP3_k141_48928 Ripothys virus

KCAP1_k141_66867 Ripogryr virus

DRCP2B_k141_188704 Ripodird virus

DRCP2B_k141_221336 Ripodyrn virus

KCAP3_k141_49754 Riposiyc virus

DRCP1_k141_55271 Ripohysk virus

DRCP1_k141_55271 Ripohysk virus

CN1B_k141_139663 Chronorond virus

CN1B_k141_139663 Chronorond virus

CN1B_k141_139663 Chronorond virus

KCAP2_k141_379368 Ripobryn virus

KCAP3_k141_179056 Ripobryn virus

KCAP2_k141_309867 Ripodryn virus

KCAP3_k141_126866 Ripoblut virus

MP3_k141_41228 Ripohur virus

MP3_k141_68753 Ripociq virus

MP3_k141_41228 Ripohur virus

MP3_k141_94837 Sopojuk virus

MP3_k141_94837 Sopojuk virus

MP3_k141_94837 Sopojuk virus

MP3_k141_501555 Ripocyd virus

CN1C_k141_1

USC30046 Nodaviridae sp.

CN1C_k141_1 CN1C k141 142992 Chronodirb virus CN1B_k141_81425 Chronokurn virus

CC1B_k141_101851 Chrocokysk virus

CC1A_k141_80284 Chrocowolt virus ASS83299.1 Lake Sinai virus 2 - ASS83275.1 Lake Sinai virus 1 Sinhaliviridae USC30055 Nodaviridae sp. KCAP3 k141_123123 Ripoproz virus
KCAP1_k141_567027 Ripothyf virus
DRCP1_k141_1166 Ripotult virus KCAP1_k141_507870 Ripolark virus USC30076 Nodaviridae sp.

KCAP1_k141_507870 File

KCAP2_k141_58485 Ripogref virus

KCAP2_k141_369571 Ripotrun virus

KCAP2_k141_292735 Ripokrep virus

KCAP1_k141_456574 Ripomys virus

KCAP1_k141_1438 Ripotrem virus

KCAP1_k141_1438 Ripotrem virus

KCAP1_k141_639927 Ripopryn virus

CC14_k141_60154 Chrocofird virus

CC14_k141_2678 Chrocodyrb virus CC1A k141_2678 Chrocodyrb virus

KCAP2_k141_339140 Ripoglur virus

USC30062 Nodaviridae sp.

USC30064 Nodaviridae sp.

USC30047 Nodaviridae sp.

USC30084 Nodaviridae sp.

USC30088 Nodaviridae sp.

USC30104 Nodaviridae sp. USC30063 Nodaviridae sp.
USC30054 Nodaviridae sp.
USC30059 Nodaviridae sp. USC30067 Nodaviridae sp. APG76200.1 Beihai noda-like virus 20

KCAP3_k141_313230 Ripokryx virus

QIS87964 Raina virus

APG76211.1 Beihai noda-like virus 21

RCCP2_k141_200325 Ripowav virus DRCP1 kl11 18461 Ripogurn virus

CAP3 kl41 360843 Ripokras virus

QIJ70031.1 Gungahlin Chrysomya noda-like virus

ABS29339.1 Flock House virus

USC30099 Nodaviridae sp.

USC30101 Nodaviridae sp.

APG76600.1 Wenzhou noda-like virus

APG76600.1 Wenzhou noda-like virus 1

USC30139 Nodaviridae sp.

USC30144 Nodaviridae sp.

USC30170 Nodaviridae sp.

OYF49912 Sichuan mountain noda-like virus 1

OYF49904 Sichuan farmland noda-like virus 1

OYF49904 Sichuan farmland noda-like virus 1

OYF49914 House farmland noda-like virus 1 **Alphanodavirus** — QYF49943 Henan forest noda-like viri
— USC30130 Nodaviridae sp.
— USC30053 Nodaviridae sp.
— QYF49887 Hainan forest noda-like virus 3
— QYF49992 Henan sediment noda-like virus 3
— QYF499945 Henan forest noda-like virus 2

QYF49989 Sichuan mountain noda-like virus 3
— QYF49989 Sichuan forest noda-like virus 1
— QYF49974 Sichuan forest noda-like virus 6
— QYF49907 Henan sediment noda-like virus 1
P 077730.1 Nodamura virus QYF49974 Sichuan forest noda-like virus 6
QYF49907 Henan sediment noda-like virus 1
NP 077730.1 Nodamura virus
USC30085 Nodaviridae sp.
QYF49987 Sicuhan sediment noda-like virus 7
USC30143 Nodaviridae sp.
QYF49940 Sichuan forest noda-like virus 2
QYF49903 Sichuan sediment noda-like virus 2
QYF49903 Sichuan sediment noda-like virus 4
USC30145 Nodaviridae sp.
QYF49909 Sichuan sediment noda-like virus 3
QYF49909 Sichuan sediment noda-like virus 3
QYF49909 Sichuan sediment noda-like virus 9
QYF49970 Sichuan sediment noda-like virus 2
QYF49970 Sichuan nountain noda-like virus 2
QYF49971 Sichuan sediment noda-like virus 2
QYF49973 Beijing forest noda-like virus 29
KCAP1 k141_381009 Ripovurd virus
QYF49973 Beijing forest noda-like virus 8
USC30081 Nodaviridae sp.
USC30088 Nodaviridae sp.
QYF49981 Xinjiang mountain noda-like virus 2
APG76642.1 Wenzhou noda-like virus 7
QYF49951 Xinjiang mountain noda-like virus 2
USC30086 Nodaviridae sp.
USC30087 Nodaviridae sp. USC30115 Nodaviridae sp.
USC30087 Nodaviridae sp. USC30087 Nodaviridae sp.
 USC30135 Nodaviridae sp.
 APG76116.1 Beihai noda-like virus 27
 USC30125 Nodaviridae sp.
 APG76626.1 Wenzhou noda-like virus 5
 USC30127 Nodaviridae sp. USC30075 Nodaviridae sp.

- USC30075 Nodaviridae sp.

- NP_599247.1 Striped jack nervous necrosis virus
- YP_003288759.1 Tiger puffer nervous necrosis virus
- APG76581.1 Redspotted grouper nervous necrosis virus
- APG76581.1 Wenzhou noda-like virus 2
- APG76581.1 Wenling noda-like virus 1
- APG76585.1 Wenling noda-like virus 3
- APG76585.1 Wenling noda-like virus 3
- APG76585.1 Wenling noda-like virus 3
- USC30051 Nodaviridae sp.
- USC30096 Nodaviridae sp.
- USC30096 Nodaviridae sp.
- USC30132 Nodaviridae sp.
- USC30132 Nodaviridae sp. Betanodavirus USC30132 Nodaviridae sp.
APG76453.1 Shayang noda-like virus 11 USC30050 Nodaviridae sp. SP1A_k141_60568 Sopojaf virus SP1A_k141_118460 Sopogym virus V SP1A_k141_118460 Sopogym virus

- USC30058 Nodaviridae sp.
- KCAP3_k141_98902 Ripogrob virus
- KCAP3_k141_1579 Ripoglog virus
- USC30148 Nodaviridae sp.
- USC30147 Nodaviridae sp.
- USC30147 Nodaviridae sp.
- USC30147 Nodaviridae sp. APG76402.1 Hubei noda-like virus 6 USC30095 Nodaviridae sp.

NP_620109.1 Pariacoto virus

APG76216.1 Hubei noda-like virus 5

QYF49991 Zhejiang farmland noda-like virus

KCAP3 k141_246328 Ripofluq virus Alphanodavirus KCAP3 k141 246328 Ripofli
 USC30120 Nodaviridae sp.
 USC30150 Nodaviridae sp.
 CC1B k141_80333 Chrocoza
USC30128 Nodaviridae sp.
 USC30117 Nodaviridae sp.
 USC30117 Nodaviridae sp. **Environment** Chromosol (cropping) Chromosol (native) USC30083 Nodaviridae sp.

KCAP3_k141_282476 Ripokruj virus Sodosol (pasture) USC30146 Nodaviridae sp.

APG76311.1 Hubei noda-like virus 12

APG76091.1 Hubei noda-like virus 11 Sodosol (native) Riverbank sediment **Established virus** 0.5