

## Abbreviations for plant virus names – 1999

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### Introduction

Whilst it is obvious that a bureaucratic fondness for abbreviations has exposed their use to sharp, and deserved, ridicule, they nonetheless can satisfy a genuine need. In virology, it is a commonplace that abbreviations for virus names make the literature both easier to read and more succinct to present.

The International Committee for Taxonomy of Viruses (ICTV) is responsible for controlling, approving and recording the names of virus taxa and has a formal International Code that guides this activity. However, there is an important distinction between formal names for taxa and abbreviations, for which ICTV does not have a constitutional responsibility. ICTV does publish abbreviations in its Reports, and is often asked for guidance concerning the “correct” abbreviation to use. Nonetheless, these are advisory rather than mandatory.

Traditionally, abbreviations have been regarded as strictly local to a particular paper, chapter or thesis. Thus at one time “AMV” was used equally for *Arabidopsis mosaic virus*, *Alfalfa mosaic virus* and *Avian myeloblastosis virus*, but not in the same piece of writing. Equally, “CMV” is a commonly used abbreviation for *Cucumber mosaic virus*, but is also used for Cytomegalovirus. Currently, there are about 4000 virus names in the ICTV lists and it is impractical to define unique abbreviations for them all. But within a discipline it should be possible. And if abbreviations are to be used, it is obviously a great convenience if an agreed standard abbreviation can be used for any particular virus in all published work.

For plant virology, a set of principles has been developed to guide in the creation of new abbreviations and in attempts to standardize usage. These principles have been published [1, 2], and those discussed here are based on them.

### Plant virus names abbreviations: the principles

1. Abbreviations should be as simple as possible.
2. An abbreviation must not duplicate any other previously coined and still in current usage.
3. The word “virus” in a name is abbreviated as “V”.
4. The word “viroid” in a name is abbreviated “Vd”.

As with principles in general, these are qualified and extended by a set of guidelines. Although not followed in every instance, the Guidelines indicate how the abbreviations used in the 7th ICTV Report (3) were derived, and how it is felt that virologists should proceed when creating new abbreviations.

### Plant virus names abbreviations: the guidelines

1. When similar virus names contain the terms “mosaic” and “mottle” “M” is chosen for “mosaic” and “Mo” for “mottle”, except where Guidelines 7 and/or 8 apply. For example, *Cowpea mosaic virus* and *Cowpea mottle virus* are abbreviated as CPMV and CPMoV, respectively. However there are still a few abbreviations in which “Mo” is not used for “Mottle”, as there was no need to do so. These will remain unchanged unless change becomes necessary.
2. The word “ringspot” is abbreviated as “RS” in many but not all instances, even if “R” could have sufficed.
3. The word symptomless is abbreviated as “SL” in many but not all instances, even if “S” could have sufficed.
4. The second or third letter, or sometimes the second consonant or last letter, of the host plant name, in lower case, can be used to differentiate certain conflicting abbreviations, e.g., CdMV for *Cardomum mosaic virus* (Table 2 lists discrepancies in the currently used abbreviations for plant names).
5. Abbreviations that use the same letters, but differ only by the case used (upper or lower) should be avoided.
6. Abbreviations for single words should not normally exceed 2 letters.
7. Secondary letters in abbreviations are omitted when their use would make the abbreviation excessively long, generally more than 5 letters. For example CGMMV is preferred to the longer CGMoMV, even though this complies with Guideline 1.
8. Abbreviations in current and widespread usage are retained except where their use could cause confusion. However, abbreviations can and have been changed in common usage. The purpose of the advisory list is to suggest targets for the harmonization of abbreviations. It is accepted that some abbreviations are unlikely ever to be changed.
9. When a particular combination of letters has been adopted for a particular plant species, new abbreviations for virus names containing the same host name will normally use the same combination.
10. When several viruses have the same name and are differentiated by a number, the abbreviations will have a hyphen between letters and numbers, e.g., *Plantain virus 6* and *Plantain virus 8* are abbreviated as “PIV-6” and “PIV-8”.
11. When viruses are distinguished by a letter, this letter is added at the end of the abbreviation without a hyphen, e.g., *Plantain virus X* is abbreviated “PIVX”, in agreement with most of the cases in common usage in plant virology, (PVY, PVX, PVM, PVS, etc.).
12. When viruses are distinguished by their geographical origin or any other combination of letters, a minimum number of letters (2 or 3) is added to the virus abbreviation and a hyphen is used between the two sets of letters when they are added after the word “virus”, e.g., *Tomato yellow leaf curl virus* from Thailand is abbreviated “TYLCV-Th”. (Abbreviations for country names are given in Table 3).

13. When a virus name comprises a disease name and the words “associated virus”, these are abbreviated as “aV”. For example, *Grapevine leafroll associated virus 2* is abbreviated to “GLRaV-2”.
14. In some instances, where a plant name has been abbreviated as two capital letters, this usage is retained as an exception, e.g., “CPRMV” for *Cowpea rugose mosaic virus*.

### Abbreviations for virus names

Table 1 is an alphabetical listing of all virus names classified in the forthcoming ICTV 7th Report, together with the abbreviations selected for inclusion in the report following the principles outlined above. The abbreviations in Table 1 are those selected for use in the 7th ICTV Report [3], and therefore represent an advisory listing for authors of papers in plant virology. They do not carry the same official imprimatur as do taxon names decided officially by ICTV [3, 4], but it is hoped that the Plant Virology community find the listing useful guidance and a step towards harmonization and common standards.

### Acknowledgements

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### References

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**Table 1.** List of plant virus names (in alphabetical order) and their abbreviations, used in the 7th ICTV Report. Virus names in italics are those of species and those not in italics are of tentative species. Synonyms have not had abbreviations allocated, and are therefore not listed here

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Abutilon mosaic virus</i>	(AbMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Abutilon yellow virus</i>	(AbYV)	<i>Closteroviridae</i>	<i>Crinivirus</i>
<i>Acalypha yellow mosaic virus</i>	(AYMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>African cassava mosaic virus</i>	(ACMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Ageratum yellow vein virus</i>	(AYVV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Aglaonema bacilliform virus</i>	(ABV)	<i>Caulimoviridae</i>	<i>Badnavirus</i>
<i>Agropyron mosaic virus</i>	(AgMV)	<i>Potyviridae</i>	<i>Rymovirus</i>

*Continued*

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Ahlum waterborne virus</i>	(AWBV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
<i>Alfalfa cryptic virus 1</i>	(ACV-1)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Alfalfa cryptic virus 2</i>	(ACV-2)	<i>Partitiviridae</i>	<i>Betacryptovirus</i>
<i>Alfalfa mosaic virus</i>	(AMV)	<i>Bromoviridae</i>	<i>Alfamovirus</i>
<i>Alligatorweed stunting virus</i>	(AWSV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Alpinia mosaic virus</i>	(AlpMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Alstroemeria mosaic virus</i>	(AIMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Alstroemeria streak virus</i>	(AlStV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Alternanthera mosaic virus</i>	(AlMV)	–	<i>Potexvirus</i>
<i>Althea rosea enation virus</i>	(AREV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Amaranthus leaf mottle virus</i>	(AmLMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Amazon lily mosaic virus</i>	(ALiMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>American hop latent virus</i>	(AHLV)	–	<i>Carlavirus</i>
<i>American plum line pattern virus</i>	(APLPV)	<i>Bromoviridae</i>	<i>Iarvirus</i>
<i>Andean potato latent virus</i>	(APLV)	–	<i>Tymovirus</i>
<i>Andean potato mottle virus</i>	(APMoV)	<i>Comoviridae</i>	<i>Comovirus</i>
<i>Aneilema mosaic virus</i>	(AneMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Anthoxanthum latent blanching virus</i>	(ALBV)	–	<i>Hordeivirus</i>
<i>Anthoxanthum mosaic virus</i>	(AntMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Anthriscus latent virus</i>	(AntLV)	–	<i>Carlavirus</i>
<i>Anthriscus yellows virus</i>	(AYV)	<i>Sequiviridae</i>	<i>Waikavirus</i>
<i>Apple chlorotic leaf spot</i>	(ACLSV)	–	<i>Trichovirus</i>
<i>Apple dimple fruit viroid</i>	(ADFVd)	<i>Pospiviroidae</i>	<i>Apscaviroid</i>
<i>Apple fruit crinkle viroid</i>	(AFCVd)	<b>Viroid</b>	<b>Unassigned</b>
<i>Apple mosaic virus</i>	(ApMV)	<i>Bromoviridae</i>	<i>Iarvirus</i>
<i>Apple scar skin viroid</i>	(ASSVd)	<i>Pospiviroidae</i>	<i>Apscaviroid</i>
<i>Apple stem grooving virus</i>	(ASGV)	–	<i>Capillovirus</i>
<i>Apple stem pitting virus</i>	(ASPV)	–	<i>Foveavirus</i>
<i>Aquilegia necrotic mosaic virus</i>	(ANMV)	<i>Caulimoviridae</i>	<i>Caulimovirus</i>
<i>Aquilegia necrotic ringspot virus</i>	(AqNRSV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Arabis mosaic virus</i>	(ArMV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Araujia mosaic virus</i>	(ArjMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Arracacha latent virus</i>	(ALV)	–	<i>Carlavirus</i>
<i>Arracacha virus A</i>	(AVA)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Arracacha virus B</i>	(AVB)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Arracacha virus Y</i>	(AVY)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Artichoke Aegean ringspot virus</i>	(AARSV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Artichoke curly dwarf virus</i>	(ACDV)	–	<i>Potexvirus</i>
<i>Artichoke Italian latent virus</i>	(AILV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Artichoke latent virus</i>	(ArLV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Artichoke latent virus M</i>	(ArLVM)	–	<i>Carlavirus</i>
<i>Artichoke latent virus S</i>	(ArLVS)	–	<i>Carlavirus</i>
<i>Artichoke mottled crinkle virus</i>	(AMCV)	<i>Tombusviridae</i>	<i>Tombusvirus</i>
<i>Artichoke vein banding virus</i>	(AVBV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Artichoke yellow ringspot virus</i>	(AYRSV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Asparagus virus 1</i>	(AV-1)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Asparagus virus 2</i>	(AV-2)	<i>Bromoviridae</i>	<i>Iarvirus</i>
<i>Asparagus virus 3</i>	(AV-3)	–	<i>Potexvirus</i>
<i>Asystasia gangetica mottle virus</i>	(AGMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Asystasia golden mosaic virus</i>	(AGMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Atropa belladonna virus</i>	(AtBV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Aucuba bacilliform virus</i>	(AuBV)	<i>Caulimoviridae</i>	<i>Badnavirus</i>
<i>Australian grapevine viroid</i>	(AGVd)	<i>Pospiviroidae</i>	<i>Apscaviroid</i>
<i>Avocado sunblotch viroid</i>	(ASBVd)	<i>Avsunviroidae</i>	<i>Avsunviroid</i>
Bajra streak virus	(BaSV)	<i>Geminiviridae</i>	<i>Mastrevirus</i>
<i>Bamboo mosaic virus</i>	(BaMV)	–	<i>Potexvirus</i>
<i>Banana bract mosaic virus</i>	(BBrMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Banana bunchy top virus</i>	(BBTV)	–	<i>Nanovirus</i>
<i>Banana streak virus</i>	(BSV)	<i>Caulimoviridae</i>	<i>Badnavirus</i>
<i>Barley mild mosaic virus</i>	(BaMMV)	<i>Potyviridae</i>	<i>Bymovirus</i>
<i>Barley stripe mosaic</i>	(BSMV)	–	<i>Hordeivirus</i>
Barley virus B1	(BarV-B1)	–	<i>Potexvirus</i>
<i>Barley yellow dwarf virus – GPV</i>	(BYDV-GPV)	<i>Luteoviridae</i>	Unassigned
<i>Barley yellow dwarf virus – MAV</i>	(BYDV-MAV)	<i>Luteoviridae</i>	<i>Luteovirus</i>
<i>Barley yellow dwarf virus – PAV</i>	(BYDV-PAV)	<i>Luteoviridae</i>	<i>Luteovirus</i>
<i>Barley yellow dwarf virus – RMV</i>	(BYDV-RMV)	<i>Luteoviridae</i>	Unassigned
<i>Barley yellow dwarf virus – SGV</i>	(BYDV-SGV)	<i>Luteoviridae</i>	Unassigned
<i>Barley yellow mosaic virus</i>	(BaYMV)	<i>Potyviridae</i>	<i>Bymovirus</i>
<i>Barley yellow striate mosaic virus</i>	(BYSMV)	<i>Rhabdoviridae</i>	<i>Cytorhabdovirus</i>
<i>Bean calico mosaic virus</i>	(BCaMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Bean common mosaic necrosis virus</i>	(BCMNV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Bean common mosaic virus</i>	(BCMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Bean dwarf mosaic virus</i>	(BDMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Bean golden mosaic virus – Brazil</i>	(BGMV-Br)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Bean golden mosaic virus – Puerto Rico</i>	(BGMV-PR)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Bean leafroll virus</i>	(BLRV)	<i>Luteoviridae</i>	Unassigned
<i>Bean mild mosaic virus</i>	(BMMV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
<i>Bean pod mottle virus</i>	(BPMV)	<i>Comoviridae</i>	<i>Comovirus</i>
<i>Bean rugose mosaic virus</i>	(BRMV)	<i>Comoviridae</i>	<i>Comovirus</i>
<i>Bean yellow dwarf virus</i>	(BeYDV)	<i>Geminiviridae</i>	<i>Mastrevirus</i>
<i>Bean yellow mosaic virus</i>	(BYMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Bean yellow vein-banding virus</i>	(BYVBV)	–	<i>Umbravirus</i>
<i>Beet cryptic virus 1</i>	(BCV-1)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Beet cryptic virus 2</i>	(BCV-2)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Beet cryptic virus 3</i>	(BCV-3)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Beet curly top virus – California/Logan</i>	(BCTV-Cal)	<i>Geminiviridae</i>	<i>Curtovirus</i>
<i>Beet curly top virus</i>	(BCTV)	<i>Geminiviridae</i>	<i>Curtovirus</i>
<i>Beet curly top virus Iran/CFH</i>	(BCTV-CFH)	<i>Geminiviridae</i>	<i>Curtovirus</i>
<i>Beet curly top virus Worland</i>	(BCTV-Wor)	<i>Geminiviridae</i>	<i>Curtovirus</i>
Beet leaf curl virus	(BLCV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Beet mild yellowing virus</i>	(BMYV)	<i>Luteoviridae</i>	<i>Polerovirus</i>
<i>Beet mosaic virus</i>	(BtMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Beet necrotic yellow virus</i>	(BNYVV)	–	<i>Benyvirus</i>
<i>Beet pseudoyellows virus</i>	(BPYV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Beet ringspot virus</i>	(BRSV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Beet soil-borne mosaic virus</i>	(BSBMV)	–	<i>Benyvirus</i>
<i>Beet soil-borne virus</i>	(BSBV)	–	<i>Pomovirus</i>
<i>Beet virus Q</i>	(BVQ)	–	<i>Pomovirus</i>
<i>Beet western yellows virus</i>	(BWYV)	<i>Luteoviridae</i>	<i>Polerovirus</i>
<i>Beet yellow stunt virus</i>	(BYSV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Beet yellows virus</i>	(BYV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Belladonna motile virus</i>	(BeMV)	–	<i>Tymovirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Bermuda grass etched-line virus</i>	(BELV)	–	<i>Marafivirus</i>
<i>Bhendi yellow vein mosaic virus</i>	(BYVMV)	<b>Geminiviridae</b>	<i>Begomovirus</i>
Bidens mosaic virus	(BiMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Bidens mottle virus</i>	(BiMoV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Black raspberry necrosis virus	(BRNV)	–	<b>Unassigned</b>
<i>Blackcurrant reversion associated virus</i>	(BRAV)	<b>Comoviridae</b>	<i>Nepovirus</i>
Blackgram mottle virus	(BMoV)	<b>Tombusviridae</b>	<i>Carmovirus</i>
<i>Blueberry leaf mottle virus</i>	(BLMoV)	<b>Comoviridae</b>	<i>Nepovirus</i>
Blueberry mosaic viroid-like RNA	(BIMVd-RNA)	<b>Viroid</b>	<b>Tentative</b>
<i>Blueberry red ringspot virus</i>	(BRRV)	<b>Caulimoviridae</b>	<i>Caulimovirus</i>
<i>Blueberry scorch virus</i>	(BIScV)	–	<i>Carlavirus</i>
<i>Blueberry shock virus</i>	(BIShV)	<b>Bromoviridae</b>	<i>Iarvirus</i>
<i>Blueberry shoestring virus</i>	(BSSV)	–	<i>Sobemovirus</i>
Boletus virus X	(BoLVX)	–	<i>Potexvirus</i>
Brachypodium yellow streak virus	(BraYSV)	–	<b>Unassigned</b>
Bramble yellow mosaic virus	(BrmYMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Brazilian wheat spike virus	(BWSpV)	–	<i>Tenuivirus</i>
<i>Broad bean mottle virus</i>	(BBMV)	<b>Bromoviridae</b>	<i>Bromovirus</i>
<i>Broad bean necrosis virus</i>	(BBNV)	–	<i>Pomovirus</i>
<i>Broad bean stain virus</i>	(BBSV)	<b>Comoviridae</b>	<i>Comovirus</i>
<i>Broad bean true mosaic virus</i>	(BBTMV)	<b>Comoviridae</b>	<i>Comovirus</i>
<i>Broad bean wilt virus 1</i>	(BBWV-1)	<b>Comoviridae</b>	<i>Fabavirus</i>
<i>Broad bean wilt virus 2</i>	(BBWV-2)	<b>Comoviridae</b>	<i>Fabavirus</i>
<i>Broccoli necrotic yellows virus</i>	(BNYV)	<b>Rhabdoviridae</b>	<i>Cytorhabdovirus</i>
<i>Brome mosaic virus</i>	(BMV)	<b>Bromoviridae</b>	<i>Bromovirus</i>
<i>Brome streak virus</i>	(BStV)	<b>Potyviridae</b>	<i>Tritimovirus</i>
<i>Bromus striate mosaic virus</i>	(BrSMV)	<b>Geminiviridae</b>	<i>Mastrevirus</i>
Bryonia mottle virus	(BryMoV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Burdock stunt viroid</i>	(BuSVd)	<b>Viroid</b>	<b>Unassigned</b>
<i>Burdock yellows virus</i>	(BuYV)	<b>Closteroviridae</b>	<i>Closterovirus</i>
Butterbur mosaic virus	(ButMV)	–	<i>Carlavirus</i>
<i>Cacao swollen shoot virus</i>	(CSSV)	<b>Caulimoviridae</b>	<i>Badnavirus</i>
<i>Cacao yellow mosaic virus</i>	(CYMV)	–	<i>Tymovirus</i>
<i>Cactus virus 2</i>	(CV-2)	–	<i>Carlavirus</i>
<i>Cactus virus X</i>	(CVX)	–	<i>Potexvirus</i>
<i>Calanthe mild mosaic virus</i>	(CaMMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Callistephus chinensis chlorosis virus	(CCCV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
<i>Calopogonium yellow vein virus</i>	(CaLYVV)	–	<i>Tymovirus</i>
Camellia yellow mottle virus	(CYMoV)	–	<i>Varicosavirus</i>
Canary reed mosaic virus	(CRMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Canavalia maritima mosaic virus	(CnMMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Canna yellow mottle virus</i>	(CaYMV)	<b>Caulimoviridae</b>	<i>Badnavirus</i>
<i>Caper latent virus</i>	(CapLV)	–	<i>Carlavirus</i>
Caraway latent virus	(CawLV)	–	<i>Carlavirus</i>
<i>Cardamine chlorotic fleck virus</i>	(CCFV)	<b>Tombusviridae</b>	<i>Carmovirus</i>
Cardamine latent virus	(CaLV)	–	<i>Carlavirus</i>
<i>Cardamom mosaic virus</i>	(CdMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Carnation bacilliform virus	(CBV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
<i>Carnation cryptic virus 1</i>	(CCV-1)	<b>Partitiviridae</b>	<i>Alphacryptovirus</i>
<i>Carnation cryptic virus 2</i>	(CCV-2)	<b>Partitiviridae</b>	<i>Alphacryptovirus</i>
<i>Carnation etched ring virus</i>	(CERV)	<b>Caulimoviridae</b>	<i>Caulimovirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Carnation Italian ringspot virus</i>	(CIRV)	<i>Tombusviridae</i>	<i>Tombusvirus</i>
<i>Carnation latent virus</i>	(CLV)	–	<i>Carlavirus</i>
<i>Carnation mottle virus</i>	(CarMV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
<i>Carnation necrotic fleck virus</i>	(CNFV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Carnation ringspot virus</i>	(CRSV)	<i>Tombusviridae</i>	<i>Dianthovirus</i>
<i>Carnation vein mottle virus</i>	(CVMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Carnation yellow stripe virus</i>	(CYSV)	<i>Tombusviridae</i>	<i>Necrovirus</i>
<i>Carrot latent virus</i>	(CtLV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Carrot mosaic virus</i>	(CtMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Carrot mottle mimic virus</i>	(CMoMV)	–	<i>Umbravirus</i>
<i>Carrot mottle virus</i>	(CMoV)	–	<i>Umbravirus</i>
<i>Carrot red leaf virus</i>	(CtRLV)	<i>Luteoviridae</i>	<b>Unassigned</b>
<i>Carrot temperate virus 1</i>	(CTeV-1)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Carrot temperate virus 2</i>	(CTeV-2)	<i>Partitiviridae</i>	<i>Betacryptovirus</i>
<i>Carrot temperate virus 3</i>	(CTeV-3)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Carrot temperate virus 4</i>	(CTeV-4)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Carrot thin leaf virus</i>	(CTLV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Carrot yellow leaf virus</i>	(CYLV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Cassava American latent virus</i>	(CsALV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Cassava Ivorian bacilliform virus</i>	(CsIBV)	–	<b>Unassigned</b>
<i>Cassava common mosaic virus</i>	(CsCMV)	–	<i>Potexvirus</i>
<i>Cassava green mottle virus</i>	(CsGMV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Cassava symptomless virus</i>	(CsSLV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Cassava vein mosaic virus</i>	(CsVMV)	<i>Caulimoviridae</i>	“Cassava vein mosaic-like viruses”
<i>Cassava virus C</i>	(CsVC)	–	<i>Ourmiavirus</i>
<i>Cassava virus X</i>	(CsVX)	–	<i>Potexvirus</i>
<i>Cassia mild mosaic virus</i>	(CasMMV)	–	<i>Carlavirus</i>
<i>Cassia yellow blotch virus</i>	(CYBV)	<i>Bromoviridae</i>	<i>Bromovirus</i>
<i>Cassia yellow spot virus</i>	(CasYSV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Cauliflower mosaic virus</i>	(CaMV)	<i>Caulimoviridae</i>	<i>Caulimovirus</i>
<i>Celery mosaic virus</i>	(CeMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Celery yellow mosaic virus</i>	(CeYMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Centrosema mosaic virus</i>	(CenMV)	–	<i>Potexvirus</i>
<i>Ceratobium mosaic virus</i>	(CerMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Cereal chlorotic mottle virus</i>	(CCMoV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Cereal yellow dwarf virus – RPV</i>	(CYDV-RPV)	<i>Luteoviridae</i>	<i>Polerovirus</i>
<i>Cestrum yellow leaf curling virus</i>	(CmYLCV)	<i>Caulimoviridae</i>	<i>Caulimovirus</i>
<i>Chara corallina virus</i>	(ChaCV)	<b>Unassigned</b>	<b>Unassigned</b>
<i>Chayote mosaic virus</i>	(ChMV)	–	<i>Tymovirus</i>
<i>Chenopodium necrosis virus</i>	(ChNV)	<i>Tombusviridae</i>	<i>Necrovirus</i>
<i>Cherry green ring mottle virus</i>	(CGRMV)	–	<i>Foveavirus</i>
<i>Cherry leaf roll virus</i>	(CLRV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Cherry rasp leaf virus</i>	(CRLV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Cherry rosette virus</i>	(CRV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Cherry virus A</i>	(CVA)	–	<i>Capillovirus</i>
<i>Chickpea bushy dwarf virus</i>	(CpBDV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Chickpea chlorotic dwarf virus</i>	(CpCDV)	<i>Geminiviridae</i>	<i>Mastrevirus</i>
<i>Chickpea filiform virus</i>	(CpFV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Chickpea stunt disease associated virus</i>	(CpSDaV)	<i>Luteoviridae</i>	<b>Unassigned</b>
<i>Chicory yellow blotch virus</i>	(ChYBV)	–	<i>Carlavirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Chicory yellow mottle virus</i>	(ChYMV)	<b>Comoviridae</b>	<i>Nepovirus</i>
<i>Chilli veinal mottle virus</i>	(ChiVMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Chinese yam necrotic mosaic virus	(ChYNMV)	–	<i>Carlavirus</i>
<i>Chino del tomate virus</i>	(CdTV)	<b>Geminiviridae</b>	<i>Begomovirus</i>
<i>Chloris striate mosaic virus</i>	(CSMV)	<b>Geminiviridae</b>	<i>Mastrevirus</i>
<i>Chrysanthemum chlorotic mottle viroid</i>	(CChMVd)	<b>Avsunviroidae</b>	<i>Pelanoviroid</i>
<i>Chrysanthemum frutescens virus</i>	(CFV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
<i>Chrysanthemum stem necrosis virus</i>	(CSNV)	<b>Bunyaviridae</b>	<i>Tospovirus</i>
<i>Chrysanthemum stunt viroid</i>	(CSVd)	<b>Pospiviroidae</b>	<i>Pospiviroid</i>
<i>Chrysanthemum vein chlorosis virus</i>	(CVCV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
<i>Chrysanthemum virus B</i>	(CVB)	–	<i>Carlavirus</i>
<i>Citrus bent leaf viroid</i>	(CBLVd)	<b>Pospiviroidae</b>	<i>Apscaviroid</i>
<i>Citrus exocortis viroid</i>	(CEVd)	<b>Pospiviroidae</b>	<i>Pospiviroid</i>
<i>Citrus III viroid</i>	(CVd-III)	<b>Pospiviroidae</b>	<i>Apscaviroid</i>
<i>Citrus IV viroid</i>	(CVd-IV)	<b>Pospiviroidae</b>	<i>Cocadviroid</i>
<i>Citrus leaf rugose virus</i>	(CiLRV)	<b>Bromoviridae</b>	<i>Iarvirus</i>
<i>Citrus leprosis virus</i>	(CiLV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
<i>Citrus mosaic virus</i>	(CMBV)	<b>Caulimoviridae</b>	<i>Badnavirus</i>
<i>Citrus psorosis virus</i>	(CPsV)	–	<i>Ophiovirus</i>
<i>Citrus tristeza virus</i>	(CTV)	<b>Closteroviridae</b>	<i>Closterovirus</i>
<i>Citrus variegation virus</i>	(CVV)	<b>Bromoviridae</b>	<i>Iarvirus</i>
<i>Clitoria yellow mosaic virus</i>	(CtYMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Clitoria yellow vein virus</i>	(CYVV)	–	<i>Tymovirus</i>
Clover enation virus	(CIEV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
<i>Clover yellow mosaic virus</i>	(CIYMV)	–	<i>Potexvirus</i>
<i>Clover yellow vein virus</i>	(CIYVV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Clover yellows virus	(CYV)	<b>Closteroviridae</b>	<i>Closterovirus</i>
Cocksfoot mild mosaic virus	(CMMV)	–	<i>Sobemovirus</i>
<i>Cocksfoot mottle virus</i>	(CoMV)	–	<i>Sobemovirus</i>
<i>Cocksfoot streak virus</i>	(CSV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Cocoa necrosis virus</i>	(CoNV)	<b>Comoviridae</b>	<i>Nepovirus</i>
<i>Coconut tinangaja viroid</i>	(CTiVd)	<b>Pospiviroidae</b>	<i>Cocadviroid</i>
<i>Coconut cadang-cadang viroid</i>	(CCCVD)	<b>Pospiviroidae</b>	<i>Cocadviroid</i>
<i>Coconut foliar decay virus</i>	(CFDV)	–	<i>Nanovirus</i>
<i>Coffee ringspot virus</i>	(CoRSV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
<i>Cole latent virus</i>	(CoLV)	–	<i>Carlavirus</i>
<i>Coleus blumei viroid 1</i>	(CbVd-1)	<b>Pospiviroidae</b>	<i>Coleviroid</i>
<i>Coleus blumei viroid 2</i>	(CbVd-2)	<b>Pospiviroidae</b>	<i>Coleviroid</i>
<i>Coleus blumei viroid 3</i>	(CbVd-3)	<b>Pospiviroidae</b>	<i>Coleviroid</i>
<i>Colocasia bobone disease virus</i>	(CBDV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
<i>Colombian datura virus</i>	(CDV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Columnea latent viroid</i>	(CLVd)	<b>Pospiviroidae</b>	<i>Pospiviroid</i>
<i>Commelina mosaic virus</i>	(ComMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Commelina virus X</i>	(ComVX)	–	<i>Potexvirus</i>
<i>Commelina yellow mottle virus</i>	(ComYMV)	<b>Caulimoviridae</b>	<i>Badnavirus</i>
<i>Coriander feathery red vein virus</i>	(CFRVV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
<i>Cotton leaf crumple virus</i>	(CLCrV)	<b>Geminiviridae</b>	<i>Begomovirus</i>
<i>Cotton leaf curl virus – Pakistan 1</i>	(CLCuV-Pk1)	<b>Geminiviridae</b>	<i>Begomovirus</i>
<i>Cotton leaf curl virus – Pakistan 2</i>	(CLCuV-Pk2)	<b>Geminiviridae</b>	<i>Begomovirus</i>
<i>Cow parsnip mosaic virus</i>	(CPaMV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
<i>Cowpea aphid-borne mosaic virus</i>	(CABMV)	<b>Potyviridae</b>	<i>Potyvirus</i>

Continued



Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Cowpea chlorotic mottle virus</i>	(CCMV)	<i>Bromoviridae</i>	<i>Bromovirus</i>
<i>Cowpea golden mosaic virus</i>	(CPGMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Cowpea green vein banding virus</i>	(CGVBV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Cowpea mild mottle virus</i>	(CPMMV)	–	<i>Carlavirus</i>
<i>Cowpea mosaic virus</i>	(CPMV)	<i>Comoviridae</i>	<i>Comovirus</i>
<i>Cowpea mottle virus</i>	(CPMoV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
<i>Cowpea rugose mosaic virus</i>	(CPRMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Cowpea severe mosaic virus</i>	(CPSMV)	<i>Comoviridae</i>	<i>Comovirus</i>
<i>Crimson clover latent virus</i>	(CCLV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Crinum mosaic virus</i>	(CriMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Croatian clover virus</i>	(CroCV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Croton yellow vein mosaic virus</i>	(CYVMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Cucumber leaf spot virus</i>	(CLSV)	<i>Tombusviridae</i>	Unassigned
<i>Cucumber chlorotic spot virus</i>	(CCSV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Cucumber cryptic virus</i>	(CuCV)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Cucumber green mottle mosaic virus</i>	(CGMMV)	–	<i>Tobamovirus</i>
<i>Cucumber mosaic virus</i>	(CMV)	<i>Bromoviridae</i>	<i>Cucumovirus</i>
<i>Cucumber necrosis virus</i>	(CuNV)	<i>Tombusviridae</i>	<i>Tombusvirus</i>
<i>Cucumber soilborne virus</i>	(CuSBV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
<i>Cucurbit aphid-borne yellows virus</i>	(CABYV)	<i>Luteoviridae</i>	<i>Polerovirus</i>
<i>Cucurbit yellow stunting disorder virus</i>	(CYSDV)	<i>Closteroviridae</i>	<i>Crinivirus</i>
<i>Cycas necrotic stunt virus</i>	(CNSV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Cymbidium mosaic virus</i>	(CymMV)	–	<i>Potexvirus</i>
<i>Cymbidium ringspot virus</i>	(CymRSV)	<i>Tombusviridae</i>	<i>Tombusvirus</i>
<i>Cynara virus</i>	(CraV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Cynodon mosaic virus</i>	(CynMV)	–	<i>Carlavirus</i>
<i>Cynosurus mottle virus</i>	(CnMoV)	–	<i>Sobemovirus</i>
<i>Cypripedium chlorotic streak virus</i>	(CypCSV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Dahlia mosaic virus</i>	(DMV)	<i>Caulimoviridae</i>	<i>Caulimovirus</i>
<i>Dandelion latent virus</i>	(DaLV)	–	<i>Carlavirus</i>
<i>Dandelion yellow mosaic virus</i>	(DaYMV)	<i>Sequiviridae</i>	<i>Sequivirus</i>
<i>Daphne virus S</i>	(DVS)	–	<i>Carlavirus</i>
<i>Daphne virus X</i>	(DVX)	–	<i>Potexvirus</i>
<i>Daphne virus Y</i>	(DYY)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Dasheen mosaic virus</i>	(DsMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Datura distortion mosaic virus</i>	(DDMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Datura mosaic virus</i>	(DTMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Datura necrosis virus</i>	(DNV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Datura shoestring virus</i>	(DSSV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Datura virus 437</i>	(DV-437)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Datura yellow vein virus</i>	(DYVV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Dendrobium leaf streak virus</i>	(DLSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Dendrobium vein necrosis virus</i>	(DVNV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Desmodium mosaic virus</i>	(DesMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Desmodium yellow mottle virus</i>	(DYMoV)	–	<i>Tymovirus</i>
<i>Digitaria streak virus</i>	(DSV)	<i>Geminiviridae</i>	<i>Mastrevirus</i>
<i>Digitaria striate mosaic virus</i>	(DiSMV)	<i>Geminiviridae</i>	<i>Mastrevirus</i>
<i>Digitaria striate virus</i>	(DiSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Diodea vein chlorosis virus</i>	(DVCV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Dioscorea bacilliform virus</i>	(DBV)	<i>Caulimoviridae</i>	<i>Badnavirus</i>
<i>Dioscorea latent virus</i>	(DLV)	–	<i>Potexvirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Dioscorea trifida</i> virus	(DTV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Dipladenia</i> mosaic virus	(DipMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Dock mottling mosaic virus	(DMMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Dolichos yellow mosaic virus</i>	(DoYMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Dulcamara mottle virus</i>	(DuMV)	–	<i>Tymovirus</i>
Dulcamara virus A	(DuVA)	–	<i>Carlavirus</i>
Dulcamara virus B	(DuVB)	–	<i>Carlavirus</i>
<i>East African cassava mosaic virus</i>	(EACMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Echinochloa hoja blanca virus</i>	(EHBV)	–	<i>Tenuivirus</i>
<i>Echinochloa ragged stunt virus</i>	(ERSV)	<i>Reoviridae</i>	<i>Oryzavirus</i>
<i>Eclipta yellow vein virus</i>	(EYVV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Eggplant green mosaic virus	(EGMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Eggplant latent viroid</i>	(ELVd)	<b>Viroid</b>	Unassigned
Eggplant mild mottle virus	(EMMV)	–	<i>Carlavirus</i>
<i>Eggplant mosaic virus</i>	(EMV)	–	<i>Tymovirus</i>
<i>Eggplant mottled crinkle virus</i>	(EMCV)	<i>Tombusviridae</i>	<i>Tombusvirus</i>
<i>Eggplant mottled dwarf virus</i>	(EMDV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
Eggplant severe mottle virus	(ESMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Eggplant yellow mosaic virus	(EYMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Elderberry latent virus	(EILV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
<i>Elderberry symptomless virus</i>	(EISLV)	–	<i>Carlavirus</i>
<i>Elm mottle virus</i>	(EMoV)	<i>Bromoviridae</i>	<i>Iarvirus</i>
<i>Endive necrotic mosaic virus</i>	(ENMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Epirus cherry virus</i>	(EpCV)	–	<i>Ourniavirus</i>
<i>Erysimum latent virus</i>	(ErLV)	–	<i>Tymovirus</i>
Euonymus fasciation virus	(EFV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
Euonymus mosaic virus	(EuoMV)	–	<i>Carlavirus</i>
Eupatorium yellow vein virus	(EpYVV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Euphorbia mosaic virus</i>	(EuMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Euphorbia ringspot virus	(EuRSV)	<i>Potyviridae</i>	<i>Potyvirus</i>
European wheat striate mosaic virus	(EWSMV)	–	<i>Tenuivirus</i>
<i>Faba bean necrotic yellows virus</i>	(FBNYV)	–	<i>Nanovirus</i>
Fescue cryptic virus	(FCV)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Festuca leaf streak virus</i>	(FLSV)	<i>Rhabdoviridae</i>	<i>Cytorhabdovirus</i>
<i>Festuca necrosis virus</i>	(FNV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
Fig leaf chlorosis virus	(FigLCV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Fig virus S	(FVS)	–	<i>Carlavirus</i>
<i>Figwort mosaic virus</i>	(FMV)	<i>Caulimoviridae</i>	<i>Caulimovirus</i>
<i>Fiji disease virus</i>	(FDV)	<i>Reoviridae</i>	<i>Fijivirus</i>
Finger millet mosaic virus	(FMMV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
Flame chlorosis virus	(FICV)	–	Unassigned
<i>Foxtail mosaic virus</i>	(FoMV)	–	<i>Potexvirus</i>
<i>Fragaria chiloensis latent virus</i>	(FCILV)	<i>Bromoviridae</i>	<i>Iarvirus</i>
<i>Frangipani mosaic virus</i>	(FrMV)	–	<i>Tobamovirus</i>
Freesia leaf necrosis virus	(FLNV)	–	<i>Varicosavirus</i>
<i>Freesia mosaic virus</i>	(FreMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Fuchsia latent virus	(FLV)	–	<i>Carlavirus</i>
<i>Furcraea necrotic streak virus</i>	(FNSV)	<i>Tombusviridae</i>	<i>Dianthovirus</i>
<i>Galinsoga mosaic virus</i>	(GaMV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
Garland chrysanthemum temperate virus	(GCTV)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Garlic common latent virus</i>	(GarCLV)	–	<i>Carlavirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Garlic dwarf virus</i>	(GDV)	<b>Reoviridae</b>	<i>Fijivirus</i>
<i>Garlic latent virus</i>	(GarLV)	–	<i>Carlavirus</i>
<i>Garlic mite-borne filamentous virus</i>	(GarMbFV)	–	<i>Allexivirus</i>
Garlic mite-borne latent virus	(GarMbLV)	–	<i>Allexivirus</i>
Garlic mosaic virus	(GarMV)	–	<i>Carlavirus</i>
<i>Garlic virus A</i>	(GarV-A)	–	<i>Allexivirus</i>
<i>Garlic virus B</i>	(GarV-B)	–	<i>Allexivirus</i>
<i>Garlic virus C</i>	(GarV-C)	–	<i>Allexivirus</i>
<i>Garlic virus D</i>	(GarV-D)	–	<i>Allexivirus</i>
<i>Garlic virus X</i>	(GarV-X)	–	<i>Allexivirus</i>
Gentiana latent virus	(GenLV)	–	<i>Carlavirus</i>
Gerbera symptomless virus	(GeSLV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
Ginger chlorotic fleck virus	(GCFV)	–	<i>Sobemovirus</i>
<i>Gloriosa stripe mosaic virus</i>	(GSMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Glycine mosaic virus</i>	(GMV)	<b>Comoviridae</b>	<i>Comovirus</i>
Glycine mottle virus	(GMoV)	<b>Tombusviridae</b>	<i>Carmovirus</i>
Gomphrena virus	(GoV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
<i>Grapevine Algerian latent virus</i>	(GALV)	<b>Tombusviridae</b>	<i>Tombusvirus</i>
<i>Grapevine berry inner necrosis virus</i>	(GINV)	–	<i>Trichovirus</i>
<i>Grapevine Bulgarian latent virus</i>	(GBLV)	<b>Comoviridae</b>	<i>Nepovirus</i>
<i>Grapevine chrome mosaic virus</i>	(GCMV)	<b>Comoviridae</b>	<i>Nepovirus</i>
<i>Grapevine fanleaf virus</i>	(GFLV)	<b>Comoviridae</b>	<i>Nepovirus</i>
Grapevine fleck virus	(GFKV)	–	<b>Unassigned</b>
Grapevine leafroll-associated virus 1	(GLRaV-1)	<b>Closteroviridae</b>	<i>Closterovirus</i>
<i>Grapevine leafroll-associated virus 2</i>	(GLRaV-2)	<b>Closteroviridae</b>	<i>Closterovirus</i>
<i>Grapevine leafroll-associated virus 3</i>	(GLRaV-3)	<b>Closteroviridae</b>	<i>Closterovirus</i>
Grapevine leafroll-associated virus 4	(GLRaV-4)	<b>Closteroviridae</b>	<i>Closterovirus</i>
Grapevine leafroll-associated virus 5	(GLRaV-5)	<b>Closteroviridae</b>	<i>Closterovirus</i>
Grapevine leafroll-associated virus 6	(GLRaV-6)	<b>Closteroviridae</b>	<i>Closterovirus</i>
Grapevine leafroll-associated virus 7	(GLRaV-7)	<b>Closteroviridae</b>	<i>Closterovirus</i>
<i>Grapevine Tunisian ringspot virus</i>	(GTRSV)	<b>Comoviridae</b>	<i>Nepovirus</i>
<i>Grapevine virus A</i>	(GVA)	–	<i>Vitivirus</i>
<i>Grapevine virus B</i>	(GVB)	–	<i>Vitivirus</i>
Grapevine virus C	(GVC)	–	<i>Vitivirus</i>
<i>Grapevine virus D</i>	(GVD)	–	<i>Vitivirus</i>
<i>Grapevine yellow speckle viroid 1</i>	(GYSVd-1)	<b>Pospiviroidae</b>	<i>Apscaviroid</i>
<i>Grapevine yellow speckle viroid 2</i>	(GYSVd-2)	<b>Pospiviroidae</b>	<i>Apscaviroid</i>
<i>Groundnut bud necrosis virus</i>	(GBNV)	<b>Bunyaviridae</b>	<i>Tospovirus</i>
<i>Groundnut chlorotic fan-spot virus</i>	(GCFSV)	<b>Bunyaviridae</b>	<i>Tospovirus</i>
<i>Groundnut eyespot virus</i>	(GEV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Groundnut ringspot virus</i>	(GRSV)	<b>Bunyaviridae</b>	<i>Tospovirus</i>
<i>Groundnut rosette assistor virus</i>	(GRAV)	<b>Luteoviridae</b>	<b>Unassigned</b>
<i>Groundnut rosette virus</i>	(GRV)	–	<i>Umbravirus</i>
<i>Groundnut yellow spot virus</i>	(GYSV)	<b>Bunyaviridae</b>	<i>Tospovirus</i>
Guar symptomless virus	(GSLV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Guinea grass mosaic virus</i>	(GGMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Gynura latent virus	(GyLV)	–	<i>Carlavirus</i>
Habenaria mosaic virus	(HaMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Hart's tongue fern mottle virus	(HTFMoV)	–	<b>Unassigned</b>
<i>Helenium virus S</i>	(HVS)	–	<i>Carlavirus</i>
<i>Helenium virus Y</i>	(HVY)	<b>Potyviridae</b>	<i>Potyvirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
Helleborus mosaic virus	(HeMV)	–	<i>Carlavirus</i>
Henbane mosaic virus	(HBMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Heracleum latent virus	(HLV)	–	<i>Vitivirus</i>
Heracleum virus 6	(HV-6)	<i>Closteroviridae</i>	<i>Closterovirus</i>
Hibiscus chlorotic ringspot virus	(HCRSV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
Hibiscus latent ringspot virus	(HLRSV)	<i>Comoviridae</i>	<i>Nepovirus</i>
Hippeastrum mosaic virus	(HiMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Holcus lanatus yellowing virus	(HLYV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
Holcus streak virus	(HSV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Hollyhock leaf curl virus	(HLCV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Honeysuckle latent virus	(HnLV)	–	<i>Carlavirus</i>
Honeysuckle yellow vein mosaic virus	(HYVMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Hop latent viroid	(HpLVd)	<i>Pospiviroidae</i>	<i>Cocadviroid</i>
Hop latent virus	(HpLV)	–	<i>Carlavirus</i>
Hop mosaic virus	(HpMV)	–	<i>Carlavirus</i>
Hop stunt viroid	(HSVd)	<i>Pospiviroidae</i>	<i>Hostuviroid</i>
Hop trefoil cryptic virus 1	(HTCV-1)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
Hop trefoil cryptic virus 2	(HTCV-2)	<i>Partitiviridae</i>	<i>Betacryptovirus</i>
Hop trefoil cryptic virus 3	(HTCV-3)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
Hordeum mosaic virus	(HoMV)	<i>Potyviridae</i>	<i>Rymovirus</i>
Horsegram yellow mosaic virus	(HgYMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Horseradish curly top virus	(HrCTV)	<i>Geminiviridae</i>	<i>Curtovirus</i>
Horseradish latent virus	(HrLV)	<i>Caulimoviridae</i>	<i>Caulimovirus</i>
Hosta virus X	(HVX)	–	<i>Potexvirus</i>
Humulus japonicus latent virus	(HJLV)	<i>Bromoviridae</i>	<i>Iarvirus</i>
Hungarian datura innoxia virus	(HDIV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Hyacinth mosaic virus	(HyaMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Hydrangea latent virus	(HdLV)	–	<i>Carlavirus</i>
Hydrangea mosaic virus	(HdMV)	<i>Bromoviridae</i>	<i>Iarvirus</i>
Hydrangea ringspot virus	(HdRSV)	–	<i>Potexvirus</i>
Hypochoeris mosaic virus	(HyMV)	–	<i>Furovirus</i>
Impatiens latent virus	(ILV)	–	<i>Carlavirus</i>
Impatiens necrotic spot virus	(INSV)	<i>Bunyaviridae</i>	<i>Tospovirus</i>
Indian cassava mosaic virus	(ICMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Indian peanut clump virus	(IPCV)	–	<i>Pecluvirus</i>
Indian pepper mottle virus	(IPMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Indian tomato leaf curl virus	(IToLCV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Indonesian soybean dwarf virus	(ISDV)	<i>Luteoviridae</i>	<i>Unassigned</i>
Iranian wheat stripe virus	(IWSV)	–	<i>Tenuivirus</i>
Iresine viroid 1	(IrVd-1)	<i>Pospiviroidae</i>	<i>Pospiviroid</i>
Iris fulva mosaic virus	(IFMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Iris germanica leaf stripe virus	(IGLSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
Iris mild mosaic virus	(IMMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Iris severe mosaic virus	(ISMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Iris yellow spot virus	(IYSV)	<i>Bunyaviridae</i>	<i>Tospovirus</i>
Isachne mosaic virus	(IsaMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Ivy vein clearing virus	(IVCV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
Jatropha mosaic virus	(JMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Johnsongrass mosaic virus	(JGMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Kalanchoe latent virus	(KLV)	–	<i>Carlavirus</i>
Kalanchoë mosaic virus	(KMV)	<i>Potyviridae</i>	<i>Potyvirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Kalanchoe top-spotting virus</i>	(KTSV)	<i>Caulimoviridae</i>	<i>Badnavirus</i>
Kennedya virus Y	(KVY)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Kennedya yellow mosaic virus</i>	(KYMV)	–	<i>Tymovirus</i>
<i>Konjac mosaic virus</i>	(KoMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Kyuri green mottle mosaic virus</i>	(KGMMV)	–	<i>Tobamovirus</i>
Laelia red leafspot virus	(LRLV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Lamium mild mosaic virus</i>	(LMMV)	<i>Comoviridae</i>	<i>Fabavirus</i>
<i>Lato river virus</i>	(LRV)	<i>Tombusviridae</i>	<i>Tombusvirus</i>
Launea arborescens stunt virus	(LArSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Leek white stripe virus</i>	(LWSV)	<i>Tombusviridae</i>	<i>Necrovirus</i>
<i>Leek yellow stripe virus</i>	(LYSV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Lemon scented thyme leaf chlorosis virus	(LSTCV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Leonurus mosaic virus</i>	(LeMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Lettuce big-vein virus</i>	(LBVV)	–	<i>Varicosavirus</i>
<i>Lettuce chlorosis virus</i>	(LCV)	<i>Closteroviridae</i>	<i>Crinivirus</i>
<i>Lettuce infectious yellows virus</i>	(LIYV)	<i>Closteroviridae</i>	<i>Crinivirus</i>
<i>Lettuce mosaic virus</i>	(LMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Lettuce necrotic yellows virus</i>	(LNYV)	<i>Rhabdoviridae</i>	<i>Cytorhabdovirus</i>
<i>Lettuce speckles mottle virus</i>	(LSMV)	–	<i>Umbravirus</i>
<i>Lilac chlorotic leafspot virus</i>	(LiCLV)	–	<i>Capillovirus</i>
<i>Lilac mottle virus</i>	(LiMoV)	–	<i>Carlavirus</i>
<i>Lilac ring mottle virus</i>	(LiRMoV)	<i>Bromoviridae</i>	<i>Iilarvirus</i>
Lilac ringspot virus	(LiRSV)	–	<i>Carlavirus</i>
Lily mild mottle virus	(LMMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Lily mottle virus</i>	(LMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Lily symptomless virus</i>	(LSLV)	–	<i>Carlavirus</i>
<i>Lily virus X</i>	(LVX)	–	<i>Potexvirus</i>
<i>Limabean golden mosaic virus</i>	(LGMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Lisianthus necrosis virus	(LNV)	<i>Tombusviridae</i>	<i>Necrovirus</i>
<i>Little cherry virus</i>	(LChV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
Lolium ryegrass virus	(LoRV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
Lotus stem necrosis	(LoSNV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Lucerne Australian latent virus</i>	(LALV)	<i>Comoviridae</i>	<i>Nepovirus</i>
Lucerne Australian symptomless virus	(LASV)	<i>Comoviridae</i>	<i>Nepovirus</i>
Lucerne enation virus	(LEV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Lucerne transient streak virus</i>	(LTSV)	–	<i>Sobemovirus</i>
Lupin leaf curl virus	(LLCV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Lupin yellow vein virus	(LYVV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Lychnis ringspot virus</i>	(LRSV)	–	<i>Hordeivirus</i>
Lychnis symptomless virus	(LycSLV)	–	<i>Potexvirus</i>
<i>Maclura mosaic virus</i>	(MacMV)	<i>Potyviridae</i>	<i>Macluravirus</i>
<i>Macroptilium golden mosaic virus</i>	(MGMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Macrotyloma mosaic virus</i>	(MaMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Maize chlorotic dwarf virus</i>	(MCDV)	<i>Sequiviridae</i>	<i>Waikavirus</i>
<i>Maize chlorotic mottle virus</i>	(MCMV)	<i>Tombusviridae</i>	<i>Machlomovirus</i>
<i>Maize dwarf mosaic virus</i>	(MDMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Maize mosaic virus</i>	(MMV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Maize rayado fino virus</i>	(MRFV)	–	<i>Marafivirus</i>
<i>Maize rough dwarf virus</i>	(MRDV)	<i>Reoviridae</i>	<i>Fijivirus</i>
Maize sterile stunt virus	(MSSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Maize streak virus</i>	(MSV)	<i>Geminiviridae</i>	<i>Mastrevirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Maize stripe virus</i>	(MSpV)	–	<i>Tenuivirus</i>
Maize white line mosaic virus	(MWLMV)	–	Unassigned
<i>Mal del Rio Cuarto virus</i>	(MRCV)	<b>Reoviridae</b>	<i>Fijivirus</i>
Malva silvestris virus	(MaSV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
Malva vein clearing virus	(MVCV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Malva vein necrosis virus	(MVNV)	–	<i>Potexvirus</i>
<i>Malvaceous chlorosis virus</i>	(MCV)	<b>Geminiviridae</b>	<i>Begomovirus</i>
Maracuja mosaic virus	(MarMV)	–	<i>Tobamovirus</i>
Marigold mottle virus	(MaMoV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Megakepasma mosaic virus	(MegMV)	<b>Closteroviridae</b>	<i>Closterovirus</i>
<i>Melandrium yellow fleck virus</i>	(MYFV)	<b>Bromoviridae</b>	<i>Bromovirus</i>
Melilotus latent virus	(MeLV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
Melilotus mosaic virus	(MeMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Melon leaf curl virus</i>	(MLCV)	<b>Geminiviridae</b>	<i>Begomovirus</i>
<i>Melon necrotic spot virus</i>	(MNSV)	<b>Tombusviridae</b>	<i>Carmovirus</i>
<i>Melon rugose mosaic virus</i>	(MRMV)	–	<i>Tymovirus</i>
Melon variegation virus	(MVV)	<b>Rhabdoviridae</b>	<i>Nucleorhabdovirus</i>
Melon vein-banding mosaic virus	(MVBMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Mexican papita viroid</i>	(MPVd)	<b>Pospiviroidae</b>	<i>Pospiviroid</i>
Mibuna temperate virus	(MTV)	<b>Partitiviridae</b>	<i>Alphacryptovirus</i>
<i>Milk vetch dwarf virus</i>	(MDV)	–	<i>Nanovirus</i>
Mimosa bacilliform virus	(MBV)	<b>Caulimoviridae</b>	<i>Badnavirus</i>
<i>Mirabilis mosaic virus</i>	(MiMV)	<b>Caulimoviridae</b>	<i>Caulimovirus</i>
<i>Miscanthus streak virus</i>	(MiSV)	<b>Geminiviridae</b>	<i>Mastrevirus</i>
Molinia streak virus	(MoSV)	<b>Tombusviridae</b>	<i>Panicovirus</i>
<i>Moroccan pepper virus</i>	(MPV)	<b>Tombusviridae</b>	<i>Tombusvirus</i>
<i>Moroccan watermelon mosaic virus</i>	(MWMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Mulberry latent virus</i>	(MLV)	–	<i>Carlavirus</i>
<i>Mulberry ringspot virus</i>	(MRSV)	<b>Comoviridae</b>	<i>Nepovirus</i>
Mungbean mosaic virus	(MbMV)	<b>Potyviridae</b>	<i>Potyvirus</i>
Mungbean mottle virus	(MMoV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Mungbean yellow mosaic virus</i>	(MYMV)	<b>Geminiviridae</b>	<i>Begomovirus</i>
<i>Muskmelon vein necrosis virus</i>	(MuVNV)	–	<i>Carlavirus</i>
<i>Myrobalan latent ringspot virus</i>	(MLRSV)	<b>Comoviridae</b>	<i>Nepovirus</i>
Nandina mosaic virus	(NaMV)	–	<i>Potexvirus</i>
Nandina stem pitting virus	(NSPV)	–	<i>Capillovirus</i>
<i>Narcissus degeneration virus</i>	(NDV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Narcissus late season yellows virus</i>	(NLSYV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Narcissus latent virus</i>	(NLV)	<b>Potyviridae</b>	<i>Macluravirus</i>
<i>Narcissus mosaic virus</i>	(NMV)	–	<i>Potexvirus</i>
Narcissus tip necrosis virus	(NTNV)	<b>Tombusviridae</b>	<i>Carmovirus</i>
<i>Narcissus yellow stripe virus</i>	(NYSV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Neckar River virus</i>	(NRV)	<b>Tombusviridae</b>	<i>Tombusvirus</i>
Negro coffee mosaic virus	(NeCMV)	–	<i>Potexvirus</i>
<i>Nerine latent virus</i>	(NeLV)	–	<i>Carlavirus</i>
Nerine virus	(NV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Nerine virus X</i>	(NVX)	–	<i>Potexvirus</i>
<i>Nerine virus Y</i>	(NVY)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Nerine yellow stripe virus</i>	(NeYSV)	<b>Potyviridae</b>	<i>Potyvirus</i>
<i>Nicotiana glutinosa stunt viroid</i>	(NGSVd)	<b>Viroid</b>	Unassigned
<i>Nicotiana velutina mosaic virus</i>	(NVMV)	–	Unassigned

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Northern cereal mosaic virus</i>	(NCMV)	<i>Rhabdoviridae</i>	<i>Cytorhabdovirus</i>
<i>Nothoscordum mosaic virus</i>	(NoMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Oat blue dwarf virus</i>	(OBDV)	–	<i>Marafivirus</i>
<i>Oat chlorotic stunt virus</i>	(OCSV)	<i>Tombusviridae</i>	<i>Avenavirus</i>
<i>Oat mosaic virus</i>	(OMV)	<i>Potyviridae</i>	<i>Bymovirus</i>
<i>Oat necrotic mottle virus</i>	(ONMV)	<i>Potyviridae</i>	<i>Rymovirus</i>
<i>Oat sterile dwarf virus</i>	(OSDV)	<i>Reoviridae</i>	<i>Fijivirus</i>
<i>Oat striate mosaic virus</i>	(OSMV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Obuda pepper virus</i>	(ObPV)	–	<i>Tobamovirus</i>
<i>Odontoglossum ringspot virus</i>	(ORSV)	–	<i>Tobamovirus</i>
<i>Okra leaf curl virus</i>	(OLCV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Okra mosaic virus</i>	(OkMV)	–	<i>Tymovirus</i>
<i>Olive latent ringspot virus</i>	(OLRSV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Olive latent virus 1</i>	(OLV-1)	<i>Tombusviridae</i>	<i>Necrovirus</i>
<i>Olive latent virus 2</i>	(OLV-2)	<i>Bromoviridae</i>	<i>Oleavirus</i>
<i>Onion mite-borne latent virus</i>	(OMbLV)	–	<i>Allexivirus</i>
<i>Onion yellow dwarf virus</i>	(OYDV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Ononis yellow mosaic virus</i>	(OYMV)	–	<i>Tymovirus</i>
<i>Orchid fleck virus</i>	(OFV)	<b>Unassigned</b>	<b>Unassigned</b>
<i>Ornithogalum mosaic virus</i>	(OrMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Ourmia melon virus</i>	(OuMV)	–	<i>Ourmiavirus</i>
<i>Palm mosaic virus</i>	(PalMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Pangola stunt virus</i>	(PaSV)	<i>Reoviridae</i>	<i>Fijivirus</i>
<i>Panicum mosaic virus</i>	(PMV)	<i>Tombusviridae</i>	<i>Panicovirus</i>
<i>Panicum streak virus</i>	(PanSV)	<i>Geminiviridae</i>	<i>Mastrevirus</i>
<i>Papaya leaf curl virus</i>	(PaLCV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Papaya leaf distortion mosaic virus</i>	(PLDMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Papaya mosaic virus</i>	(PapMV)	–	<i>Potexvirus</i>
<i>Papaya ringspot virus</i>	(PRSV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Paprika mild mottle virus</i>	(PaMMV)	–	<i>Tobamovirus</i>
<i>Parietaria mottle virus</i>	(PMoV)	<i>Bromoviridae</i>	<i>Iilarvirus</i>
<i>Parsley latent virus</i>	(PaLV)	–	<b>Unassigned</b>
<i>Parsley virus</i>	(PaV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Parsley virus 5</i>	(PaV-5)	–	<i>Potexvirus</i>
<i>Parsnip mosaic virus</i>	(ParMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Parsnip virus 3</i>	(ParV-3)	–	<i>Potexvirus</i>
<i>Parsnip virus 5</i>	(ParV-5)	–	<i>Potexvirus</i>
<i>Parsnip yellow fleck virus</i>	(PYFV)	<i>Sequiviridae</i>	<i>Sequivirus</i>
<i>Paspalum striate mosaic virus</i>	(PSMV)	<i>Geminiviridae</i>	<i>Mastrevirus</i>
<i>Passiflora latent virus</i>	(PLV)	–	<i>Carlavirus</i>
<i>Passion fruit mottle virus</i>	(PFMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Passion fruit ringspot virus</i>	(PFRSV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Passion fruit woodiness virus</i>	(PWV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Passion fruit yellow mosaic virus</i>	(PFYMV)	–	<i>Tymovirus</i>
<i>Patchouli mild mosaic virus</i>	(PatMMV)	<i>Comoviridae</i>	<i>Fabavirus</i>
<i>Patchouli mottle virus</i>	(PatMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Patchouli virus X</i>	(PatVX)	–	<i>Potexvirus</i>
<i>Pea early-browning virus</i>	(PEBV)	–	<i>Tobravirus</i>
<i>Pea enation mosaic virus 2</i>	(PEMV-2)	–	<i>Umbravirus</i>
<i>Pea enation mosaic virus-1</i>	(PEMV-1)	<i>Luteoviridae</i>	<i>Enamovirus</i>
<i>Pea green mottle virus</i>	(PGMV)	<i>Comoviridae</i>	<i>Comovirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Pea mild mosaic virus</i>	(PMiMV)	<i>Comoviridae</i>	<i>Comovirus</i>
<i>Pea seed-borne mosaic virus</i>	(PSbMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Pea streak virus</i>	(PeSV)	–	<i>Carlavirus</i>
<i>Peach latent mosaic viroid</i>	(PLMVD)	<i>Avsunviroidae</i>	<i>Pelamoviroid</i>
<i>Peach rosette mosaic virus</i>	(PRMV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Peanut chlorotic streak virus</i>	(PCSV)	<i>Caulimoviridae</i>	“ <b>Soybean chlorotic mottle-like viruses</b> ”
<i>Peanut clump virus</i>	(PCV)	–	<i>Pecluvirus</i>
<i>Peanut green mottle virus</i>	(PeGMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Peanut mottle virus</i>	(PeMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Peanut stunt virus</i>	(PSV)	<i>Bromoviridae</i>	<i>Cucumovirus</i>
<i>Peanut yellow mosaic virus</i>	(PeYMV)	–	<i>Tymovirus</i>
<i>Pear blister canker viroid</i>	(PBCVD)	<i>Pospiviroidae</i>	<i>Apscaviroid</i>
<i>Pecteilis mosaic virus</i>	(PcMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Pelargonium flower break virus</i>	(PFBV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
<i>Pelargonium leaf curl virus</i>	(PLCV)	<i>Tombusviridae</i>	<i>Tombusvirus</i>
<i>Pelargonium zonate spot virus</i>	(PZSV)	–	Unassigned
<i>Pepino mosaic virus</i>	(PepMV)	–	<i>Potexvirus</i>
<i>Pepper huasteco virus</i>	(PHV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Pepper leaf curl virus</i>	(PepLCV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Pepper mild mosaic virus</i>	(PMMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Pepper mild mottle virus</i>	(PMMoV)	–	<i>Tobamovirus</i>
<i>Pepper mild tigré virus</i>	(PepMTV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Pepper mottle virus</i>	(PepMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Pepper ringspot virus</i>	(PepRSV)	–	<i>Tobravirus</i>
<i>Pepper severe mosaic virus</i>	(PepSMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Pepper vein banding virus</i>	(PVBV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Pepper veinal mottle virus</i>	(PVMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Perilla mottle virus</i>	(PerMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Peru tomato mosaic virus</i>	(PTV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Petunia asteroid mosaic virus</i>	(PetAMV)	<i>Tombusviridae</i>	<i>Tombusvirus</i>
<i>Petunia flower mottle virus</i>	(PetFMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Petunia vein clearing virus</i>	(PVCV)	<i>Caulimoviridae</i>	“ <b>Petunia vein clearing-like viruses</b> ”
<i>Phalaenopsis chlorotic spot virus</i>	(PhCSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Physalis mottle virus</i>	(PhyMV)	–	<i>Tymovirus</i>
<i>Physalis severe mottle virus</i>	(PhySMV)	<i>Bunyaviridae</i>	<i>Tospovirus</i>
<i>Pigeon pea mosaic mottle viroid</i>	(PPMMoVd)	<b>Viroid</b>	Unassigned
<i>Pigeon pea proliferation virus</i>	(PPPV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Pineapple bacilliform virus</i>	(PBV)	<i>Caulimoviridae</i>	<i>Badnavirus</i>
<i>Pineapple chlorotic leaf streak virus</i>	(PCLSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Pineapple mealybug wilt-associated virus 1</i>	(PMWaV-1)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Pineapple mealybug wilt-associated virus 2</i>	(PMWaV-2)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Piper yellow mottle virus</i>	(PYMoV)	<i>Caulimoviridae</i>	<i>Badnavirus</i>
<i>Pisum virus</i>	(PisV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Plantago asiatica mosaic virus</i>	(PIAMV)	–	<i>Potexvirus</i>
<i>Plantago mottle virus</i>	(PIMoV)	–	<i>Tymovirus</i>
<i>Plantago severe mottle virus</i>	(PISMoV)	–	<i>Potexvirus</i>
<i>Plantago virus 4</i>	(PIV-4)	<i>Caulimoviridae</i>	<i>Caulimovirus</i>

Continued



Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
Plantain mottle virus	(PIMV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
Plantain virus 6	(PIV-6)	<i>Tombusviridae</i>	<i>Carmovirus</i>
Plantain virus 7	(PIV-7)	<i>Potyviridae</i>	<i>Potyvirus</i>
Plantain virus 8	(PIV-8)	–	<i>Carlavirus</i>
<i>Plantain virus X</i>	(PIVX)	–	<i>Potexvirus</i>
Pleioblastus mosaic virus	(PleMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Plum pox virus</i>	(PPV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Poa semilatifolia virus</i>	(PSLV)	–	<i>Hordeivirus</i>
Poinsettia cryptic virus	(PnCV)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
Poinsettia mosaic virus	(PnMV)	–	<i>Tymovirus</i>
<i>Pokeweed mosaic virus</i>	(PkMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Poplar mosaic virus</i>	(PopMV)	–	<i>Carlavirus</i>
Poplar decline virus	(PDV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Potato aucuba mosaic virus</i>	(PAMV)	–	<i>Potexvirus</i>
<i>Potato black ringspot virus</i>	(PBRSV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Potato leafroll virus</i>	(PLRV)	<i>Luteoviridae</i>	<i>Polerovirus</i>
<i>Potato mop-top virus</i>	(PMTV)	–	<i>Pomovirus</i>
<i>Potato spindle tuber viroid</i>	(PSTVd)	<i>Pospiviroidae</i>	<i>Pospiviroid</i>
<i>Potato virus A</i>	(PVA)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Potato virus M</i>	(PVM)	–	<i>Carlavirus</i>
<i>Potato virus S</i>	(PVS)	–	<i>Carlavirus</i>
<i>Potato virus T</i>	(PVT)	–	<i>Trichovirus</i>
<i>Potato virus U</i>	(PVU)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Potato virus V</i>	(PVV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Potato virus X</i>	(PVX)	–	<i>Potexvirus</i>
<i>Potato virus Y</i>	(PVY)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Potato yellow dwarf virus</i>	(PYDV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Potato yellow mosaic virus</i>	(PYMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Pothos latent virus</i>	(PoLV)	<i>Tombusviridae</i>	<i>Aureusvirus</i>
Primula mosaic virus	(PrMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Primula mottle virus	(PrMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Prune dwarf virus</i>	(PDV)	<i>Bromoviridae</i>	<i>Ilarvirus</i>
<i>Prunus necrotic ringspot virus</i>	(PNRSV)	<i>Bromoviridae</i>	<i>Ilarvirus</i>
Prunus virus S	(PruVS)	–	<i>Carlavirus</i>
<i>Pseuderanthemum yellow vein virus</i>	(PYVV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Quail pea mosaic virus</i>	(QPMV)	<i>Comoviridae</i>	<i>Comovirus</i>
<i>Radish mosaic virus</i>	(RaMV)	<i>Comoviridae</i>	<i>Comovirus</i>
Radish vein clearing virus	(RaVCV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Radish yellow edge virus</i>	(RYEV)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
Ranunculus mottle virus	(RanMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Ranunculus repens symptomless virus	(RaRSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Ranunculus white mottle virus</i>	(RWMV)	–	<i>Ophiovirus</i>
Raphanus virus	(RaV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Raspberry bushy dwarf virus</i>	(RBDV)	–	<i>Idaeovirus</i>
<i>Raspberry ringspot virus</i>	(RpRSV)	<i>Comoviridae</i>	<i>Nepovirus</i>
Raspberry vein chlorosis virus	(RVCV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Red clover cryptic virus 2</i>	(RCCV-2)	<i>Partitiviridae</i>	<i>Betacryptovirus</i>
Red clover mosaic virus	(RCIMV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Red clover mottle virus</i>	(RCMV)	<i>Comoviridae</i>	<i>Comovirus</i>
<i>Red clover necrotic mosaic virus</i>	(RCNMV)	<i>Tombusviridae</i>	<i>Dianthovirus</i>
<i>Red clover vein mosaic virus</i>	(RCVMV)	–	<i>Carlavirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
Red pepper cryptic virus 1	(RPCV-1)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
Red pepper cryptic virus 2	(RPCV-2)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Rembrandt tulip breaking virus</i>	(ReTBV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Rhododendron necrotic ringspot virus	(RoNRSV)	–	<i>Potexvirus</i>
Rhubarb temperate virus	(RTV)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
Rhubarb virus 1	(RV-1)	–	<i>Potexvirus</i>
<i>Rhynchosia mosaic virus</i>	(RhMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Ribgrass mosaic virus</i>	(RMV)	–	<i>Tobamovirus</i>
<i>Rice black streaked dwarf virus</i>	(RBSDV)	<i>Reoviridae</i>	<i>Fijivirus</i>
<i>Rice dwarf virus</i>	(RDV)	<i>Reoviridae</i>	<i>Phytoreovirus</i>
<i>Rice gall dwarf virus</i>	(RGDV)	<i>Reoviridae</i>	<i>Phytoreovirus</i>
<i>Rice grassy stunt virus</i>	(RGSV)	–	<i>Tenuivirus</i>
<i>Rice hoja blanca virus</i>	(RHBV)	–	<i>Tenuivirus</i>
<i>Rice necrosis mosaic virus</i>	(RNMV)	<i>Potyviridae</i>	<i>Bymovirus</i>
<i>Rice ragged stunt virus</i>	(RRSV)	<i>Reoviridae</i>	<i>Oryzavirus</i>
Rice stripe necrosis virus	(RSNV)	–	<i>Furovirus</i>
<i>Rice stripe virus</i>	(RSV)	–	<i>Tenuivirus</i>
<i>Rice tungro bacilliform virus</i>	(RTBV)	<i>Caulimoviridae</i>	“Rice tungro bacilli-form-like viruses”
<i>Rice tungro spherical virus</i>	(RTSV)	<i>Sequiviridae</i>	<i>Waikavirus</i>
Rice wilted stunt virus	(RWSV)	–	<i>Tenuivirus</i>
<i>Rice yellow mottle virus</i>	(RYMV)	–	<i>Sobemovirus</i>
<i>Rice yellow stunt virus</i>	(RYSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
Rubus Chinese seed-borne virus	(RCSV)	<i>Comoviridae</i>	<i>Nepovirus</i>
Rudbeckia mosaic virus	(RuMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Rupestris stem pitting-associated virus</i>	(RSPaV)	–	<i>Foveavirus</i>
<i>Ryegrass cryptic virus</i>	(RGCV)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Ryegrass mosaic virus</i>	(RGMV)	<i>Potyviridae</i>	<i>Rymovirus</i>
<i>Saguaro cactus virus</i>	(SgCV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
Sainpaulia leaf necrosis virus	(SLNV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
Sambucus vein clearing virus	(SVCV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Sammons's Opuntia virus</i>	(SOV)	–	<i>Tobamovirus</i>
Santosai temperate virus	(STV)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Sarracenia purpurea virus</i>	(SPV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
Satsuma dwarf virus	(SDV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Schefflera ringspot virus</i>	(SRV)	<i>Caulimoviridae</i>	<i>Badnavirus</i>
<i>Scrophularia mottle virus</i>	(ScrMV)	–	<i>Tymovirus</i>
<i>Serrano golden mosaic virus</i>	(SGMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Shallot latent virus</i>	(SLV)	–	<i>Carlavirus</i>
Shallot mite-borne latent virus	(ShMbLV)	–	<i>Allexivirus</i>
<i>Shallot virus X</i>	(ShVX)	–	<i>Allexivirus</i>
<i>Shallot yellow stripe virus</i>	(SYSV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Sida golden mosaic virus</i>	(SiGMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Sida yellow vein virus</i>	(SiYVV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Sikte waterborne virus</i>	(SWBV)	<i>Tombusviridae</i>	<i>Tombusvirus</i>
<i>Sinaloa tomato leaf curl virus</i>	(STLCV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Sint-Jem's onion latent virus</i>	(SJOLV)	–	<i>Carlavirus</i>
Smithiantha latent virus	(SmiLV)	–	<i>Potexvirus</i>
Soil-borne rye mosaic virus	(SBRMV)	–	<i>Furovirus</i>
<i>Soil-borne wheat mosaic virus</i>	(SBWMV)	–	<i>Furovirus</i>
<i>Solanum apical leaf curl virus</i>	(SALCV)	<i>Geminiviridae</i>	<i>Begomovirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Solanum nodiflorum mottle virus</i>	(SNMoV)	–	<i>Sobemovirus</i>
<i>Solanum tomato leaf curl virus</i>	(SToLCV)	<b>Geminiviridae</b>	<b>Begomovirus</b>
<i>Solanum yellow leaf curl virus</i>	(SYLCV)	<b>Geminiviridae</b>	<b>Begomovirus</b>
Sonchus mottle virus	(SMoV)	<b>Caulimoviridae</b>	<b>Caulimovirus</b>
<i>Sonchus virus</i>	(SonV)	<b>Rhabdoviridae</b>	<b>Cytorhabdovirus</b>
<i>Sonchus yellow net virus</i>	(SYNV)	<b>Rhabdoviridae</b>	<b>Nucleorhabdovirus</b>
<i>Sorghum chlorotic spot virus</i>	(SrCSV)	–	<b>Furovirus</b>
<i>Sorghum mosaic virus</i>	(SrMV)	<b>Potyviridae</b>	<b>Potyvirus</b>
Sorghum virus	(SrV)	<b>Rhabdoviridae</b>	<b>Nucleorhabdovirus</b>
Soursop yellow blotch virus	(SYBV)	<b>Rhabdoviridae</b>	<b>Nucleorhabdovirus</b>
<i>South African cassava mosaic virus</i>	(SACMV)	<b>Geminiviridae</b>	<b>Begomovirus</b>
<i>Southern bean mosaic virus</i>	(SBMV)	–	<b>Sobemovirus</b>
<i>Southern cowpea mosaic virus</i>	(SCPMV)	–	<b>Sobemovirus</b>
Southern potato latent virus	(SoPLV)	–	<b>Carlavirus</b>
<i>Sowbane mosaic virus</i>	(SoMV)	–	<b>Sobemovirus</b>
<i>Sowthistle yellow vein virus</i>	(SYVV)	<b>Rhabdoviridae</b>	<b>Nucleorhabdovirus</b>
<i>Soybean chlorotic mottle virus</i>	(SbCMV)	<b>Caulimoviridae</b>	<b>“Soybean chlorotic mottle-like viruses”</b>
Soybean crinkle leaf virus	(SCLV)	<b>Geminiviridae</b>	<b>Begomovirus</b>
<i>Soybean dwarf virus</i>	(SbDV)	<b>Luteoviridae</b>	<b>Unassigned</b>
<i>Soybean mosaic virus</i>	(SMV)	<b>Potyviridae</b>	<b>Potyvirus</b>
Spartina mottle virus	(SpMV)	<b>Potyviridae</b>	<b>Rymovirus</b>
<i>Spinach latent virus</i>	(SpLV)	<b>Bromoviridae</b>	<b>Ilarvirus</b>
<i>Spinach temperate virus</i>	(SpTV)	<b>Partitiviridae</b>	<b>Alphacryptovirus</b>
<i>Spring beauty latent virus</i>	(SBLV)	<b>Bromoviridae</b>	<b>Bromovirus</b>
<i>Squash leaf curl virus</i>	(SLCV)	<b>Geminiviridae</b>	<b>Begomovirus</b>
<i>Squash leaf curl virus – China</i>	(SLCV-Ch)	<b>Geminiviridae</b>	<b>Begomovirus</b>
<i>Squash mosaic virus</i>	(SqMV)	<b>Comoviridae</b>	<b>Comovirus</b>
Sri Lankan passion fruit mottle virus	(SLPMoV)	<b>Potyviridae</b>	<b>Potyvirus</b>
<i>Strawberry crinkle virus</i>	(SCV)	<b>Rhabdoviridae</b>	<b>Cytorhabdovirus</b>
Strawberry latent ringspot virus	(SLRSV)	<b>Comoviridae</b>	<b>Nepovirus</b>
<i>Strawberry mild yellow edge virus</i>	(SMYEV)	–	<b>Potexvirus</b>
<i>Strawberry pseudo mild yellow edge virus</i>	(SPMYEV)	–	<b>Carlavirus</b>
<i>Strawberry vein banding virus</i>	(SVBV)	<b>Caulimoviridae</b>	<b>Caulimovirus</b>
<i>Subterranean clover mottle virus</i>	(SCMoV)	–	<b>Sobemovirus</b>
<i>Subterranean clover stunt virus</i>	(SCSV)	–	<b>Nanovirus</b>
<i>Sugarcane bacilliform virus</i>	(SCBV)	<b>Caulimoviridae</b>	<b>Badnavirus</b>
Sugarcane mild mosaic virus	(SMMV)	<b>Closteroviridae</b>	<b>Closterovirus</b>
<i>Sugarcane mosaic virus</i>	(SCMV)	<b>Potyviridae</b>	<b>Potyvirus</b>
<i>Sugarcane streak virus</i>	(SSV)	<b>Geminiviridae</b>	<b>Mastrevirus</b>
Sunflower crinkle virus	(SuCV)	–	<b>Umbravirus</b>
Sunflower mosaic virus	(SuMV)	<b>Potyviridae</b>	<b>Potyvirus</b>
Sunflower yellow blotch virus	(SuYBV)	–	<b>Umbravirus</b>
<i>Sunn-hemp mosaic virus</i>	(SHMV)	–	<b>Tobamovirus</b>
<i>Sweet clover necrotic mosaic virus</i>	(SCNMV)	<b>Tombusviridae</b>	<b>Dianthovirus</b>
<i>Sweet potato chlorotic stunt virus</i>	(SPCSV)	<b>Closteroviridae</b>	<b>Crinivirus</b>
<i>Sweet potato feathery mottle virus</i>	(SPFMV)	<b>Potyviridae</b>	<b>Potyvirus</b>
<i>Sweet potato latent virus</i>	(SPLV)	<b>Potyviridae</b>	<b>Potyvirus</b>
<i>Sweet potato leaf speckling virus</i>	(SPLSV)	<b>Luteoviridae</b>	<b>Unassigned</b>
<i>Sweet potato mild mottle virus</i>	(SPMMV)	<b>Potyviridae</b>	<b>Ipomovirus</b>
<i>Sweet potato mild speckling virus</i>	(SPMSV)	<b>Potyviridae</b>	<b>Potyvirus</b>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
Sweet potato vein mosaic virus	(SPVMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Sweet potato yellow dwarf virus	(SPYDV)	<i>Potyviridae</i>	<i>Ipomovirus</i>
Sword bean distortion mosaic virus	(SBDMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Taino tomato mottle virus	(TToMoV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tamarillo mosaic virus	(TamMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Tamus red mosaic virus	(TRMV)	–	<i>Potexvirus</i>
Taro bacilliform virus	(TaBV)	<i>Caulimoviridae</i>	<i>Badnavirus</i>
Taro feathery mottle virus	(TFMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Teasel mosaic virus	(TeaMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Telfairia mosaic virus	(TeMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Tephrosia symptomless virus	(TeSV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
Thistle mottle virus	(ThMoV)	<i>Caulimoviridae</i>	<i>Caulimovirus</i>
Tobacco bushy top virus	(TBTv)	–	<i>Umbravirus</i>
Tobacco etch virus	(TEV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Tobacco leaf curl virus	(TLCV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tobacco mild green mosaic virus	(TMGMV)	–	<i>Tobamovirus</i>
Tobacco mosaic virus	(TMV)	–	<i>Tobamovirus</i>
Tobacco mottle virus	(TMoV)	–	<i>Umbravirus</i>
Tobacco necrosis virus A	(TNV-A)	<i>Tombusviridae</i>	<i>Necrovirus</i>
Tobacco necrosis virus D	(TNV-D)	<i>Tombusviridae</i>	<i>Necrovirus</i>
Tobacco necrotic dwarf virus	(TNDV)	<i>Luteoviridae</i>	<b>Unassigned</b>
Tobacco rattle virus	(TRV)	–	<i>Tobravirus</i>
Tobacco ringspot virus	(TRSV)	<i>Comoviridae</i>	<i>Nepovirus</i>
Tobacco streak virus	(TSV)	<i>Bromoviridae</i>	<i>Ilarvirus</i>
Tobacco stunt virus	(TStV)	–	<i>Varicosavirus</i>
Tobacco vein banding mosaic virus	(TVBMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Tobacco vein mottling virus	(TVMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Tobacco wilt virus	(TWV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Tobacco yellow dwarf virus	(TYDV)	<i>Geminiviridae</i>	<i>Mastrevirus</i>
Tobacco yellow vein virus	(TYVV)	–	<i>Umbravirus</i>
Tomato apical stunt viroid	(TASVd)	<i>Pospiviroidae</i>	<i>Pospiviroid</i>
Tomato aspermy virus	(TAV)	<i>Bromoviridae</i>	<i>Cucumovirus</i>
Tomato black ring virus	(TBRV)	<i>Comoviridae</i>	<i>Nepovirus</i>
Tomato bunchy top viroid	(ToBTVd)	<b>Viroid</b>	<b>Unassigned</b>
Tomato bushy stunt virus	(TBSV)	<i>Tombusviridae</i>	<i>Tombusvirus</i>
Tomato chlorosis virus	(ToCV)	<i>Closteroviridae</i>	<i>Crinivirus</i>
Tomato chlorotic spot virus	(TCSV)	<i>Bunyaviridae</i>	<i>Tospovirus</i>
Tomato golden mosaic virus	(TGMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tomato infectious chlorosis virus	(TICV)	<i>Closteroviridae</i>	<i>Crinivirus</i>
Tomato leaf curl virus – Australia	(ToLCV-Au)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tomato leaf curl virus – Bangalore I	(ToLCV-BanI)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tomato leaf curl virus – Bangalore II	(ToLCV-BanII)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tomato leaf curl virus – New Delhi	(ToLCV-NDe)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tomato leaf curl virus – Senegal	(ToLCV-Sn)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tomato leaf curl virus – Taiwan	(ToLCV-Tw)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tomato leaf curl virus – Tanzania	(ToLCV-Tz)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tomato leafroll virus	(TLRV)	<i>Geminiviridae</i>	<i>Curtovirus</i>
Tomato mosaic virus	(ToMV)	–	<i>Tobamovirus</i>
Tomato mottle virus	(ToMoV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tomato planta macho viroid	(TPMVd)	<i>Pospiviroidae</i>	<i>Pospiviroid</i>
Tomato pseudo-curly top virus	(TPCTV)	<i>Geminiviridae</i>	<i>Curtovirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Tomato ringspot virus</i>	(ToRSV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Tomato severe leaf curl virus</i>	(ToSLCV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato spotted wilt virus</i>	(TSWV)	<i>Bunyaviridae</i>	<i>Tospovirus</i>
Tomato top necrosis virus	(ToTNV)	<i>Comoviridae</i>	<i>Nepovirus</i>
<i>Tomato yellow dwarf virus</i>	(ToYDV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato yellow leaf curl virus – China</i>	(TYLCV-Ch)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato yellow leaf curl virus – Israel</i>	(TYLCV-Is)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato yellow leaf curl virus – Nigeria</i>	(TYLCV-Ng)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato yellow leaf curl virus – Sardinia</i>	(TYLCV-Sar)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato yellow leaf curl virus – Southern Saudi Arabia</i>	(TYLCV-SSA)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato yellow leaf curl virus – Tanzania</i>	(TYLCV-Tz)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato yellow leaf curl virus – Thailand</i>	(TYLCV-Th)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato yellow leaf curl virus – Yemen</i>	(TYLCV-Ye)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato yellow mosaic virus</i>	(ToYMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato yellow mottle virus</i>	(ToYMoV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Tomato yellow vein streak virus</i>	(ToYVSV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
Tongan vanilla virus	(TVV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Tradescantia mosaic virus <sup>†</sup>	(TraMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Trichosanthes mottle virus	(TrMoV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Triticum aestivum chlorotic spot virus	(TACSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Tropaeolum mosaic virus</i>	(TrMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Tropaeolum virus 1	(TV-1)	<i>Potyviridae</i>	<i>Potyvirus</i>
Tropaeolum virus 2	(TV-2)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Tuberose mild mosaic virus</i>	(TuMMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Tulare apple mosaic virus</i>	(TAMV)	<i>Bromoviridae</i>	<i>Ilarvirus</i>
Tulip band breaking virus	(TBBV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Tulip breaking virus</i>	(TBV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Tulip mild mottle mosaic virus</i>	(TMMMV)	–	<i>Ophiovirus</i>
<i>Tulip virus X</i>	(TVX)	–	<i>Potexvirus</i>
<i>Turnip crinkle virus</i>	(TCV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
<i>Turnip mosaic virus</i>	(TuMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Turnip rosette virus</i>	(TRoV)	–	<i>Sobemovirus</i>
Turnip vein-clearing virus	(TVCV)	–	<i>Tobamovirus</i>
<i>Turnip yellow mosaic virus</i>	(TYMV)	–	<i>Tymovirus</i>
<i>Ullucus mild mottle virus</i>	(UMMV)	–	<i>Tobamovirus</i>
Ullucus mosaic virus	(UMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Ullucus virus C</i>	(UVC)	<i>Comoviridae</i>	<i>Comovirus</i>
<i>Urochloa hoja blanca virus</i>	(UHBV)	–	<i>Tenuivirus</i>
Vallota mosaic virus	(ValMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
Vanilla mosaic virus	(VanMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Velvet tobacco mottle virus</i>	(VTMoV)	–	<i>Sobemovirus</i>
<i>Vicia cryptic virus</i>	(VCV)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>Vigna sinensis mosaic virus</i>	(VSMV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Viola mottle virus</i>	(VMoV)	–	<i>Potexvirus</i>
<i>Voandzeia necrotic mosaic virus</i>	(VNMV)	–	<i>Tymovirus</i>
Watercress yellow spot virus	(WYSV)	–	<b>Unassigned</b>
<i>Watermelon bud necrosis virus</i>	(WBNV)	<i>Bunyaviridae</i>	<i>Tospovirus</i>
<i>Watermelon chlorotic stunt virus</i>	(WmCSV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Watermelon curly mottle virus</i>	(WmCMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Watermelon mosaic virus</i>	(WMV)	<i>Potyviridae</i>	<i>Potyvirus</i>

Continued

Table 1 (continued)

Plant virus name	Abbreviation	Family	Genus <sup>a</sup>
<i>Watermelon silver mottle virus</i>	(WSMoV)	<i>Bunyaviridae</i>	<i>Tospovirus</i>
<i>Weddel waterborne virus</i>	(WWBV)	<i>Tombusviridae</i>	<i>Carmovirus</i>
<i>Wheat American striate mosaic virus</i>	(WASMV)	<i>Rhabdoviridae</i>	<i>Cytorhabdovirus</i>
<i>Wheat chlorotic streak virus</i>	(WCSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Wheat dwarf virus</i>	(WDV)	<i>Geminiviridae</i>	<i>Mastrevirus</i>
<i>Wheat rosette stunt virus</i>	(WRSV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Wheat spindle streak mosaic virus</i>	(WSSMV)	<i>Potyviridae</i>	<i>Bymovirus</i>
<i>Wheat streak mosaic virus</i>	(WSMV)	<i>Potyviridae</i>	<i>Tritimovirus</i>
<i>Wheat yellow leaf virus</i>	(WYLV)	<i>Closteroviridae</i>	<i>Closterovirus</i>
<i>Wheat yellow mosaic virus</i>	(WYMV)	<i>Potyviridae</i>	<i>Bymovirus</i>
<i>White bryony mosaic virus</i>	(WBMV)	–	<i>Carlavirus</i>
<i>White bryony virus</i>	(WBV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>White clover cryptic virus 1</i>	(WCCV-1)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>White clover cryptic virus 2</i>	(WCCV-2)	<i>Partitiviridae</i>	<i>Betacryptovirus</i>
<i>White clover cryptic virus 3</i>	(WCCV-3)	<i>Partitiviridae</i>	<i>Alphacryptovirus</i>
<i>White clover mosaic virus</i>	(WCIMV)	–	<i>Potexvirus</i>
<i>White clover virus L</i>	(WCIVL)	–	Unassigned
<i>Wild cucumber mosaic virus</i>	(WCMV)	–	<i>Tymovirus</i>
<i>Wild potato mosaic virus</i>	(WPMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Winter wheat mosaic virus</i>	(WWMV)	–	<i>Tenuivirus</i>
<i>Winter wheat Russian mosaic virus</i>	(WWRMV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Wissadula golden mosaic virus</i>	(WGMV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Wisteria vein mosaic virus</i>	(WVMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Wound tumor virus</i>	(WTV)	<i>Reoviridae</i>	<i>Phytoreovirus</i>
<i>Yam mosaic virus</i>	(YMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Youcai mosaic virus</i>	(YoMV)	–	<i>Tobamovirus</i>
<i>Yucca bacilliform virus</i>	(YBV)	<i>Caulimoviridae</i>	<i>Badnavirus</i>
<i>Zea mays virus</i>	(ZMV)	<i>Rhabdoviridae</i>	<i>Nucleorhabdovirus</i>
<i>Zinnia leaf curl virus</i>	(ZiLCV)	<i>Geminiviridae</i>	<i>Begomovirus</i>
<i>Zoysia mosaic virus</i>	(ZoMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Zucchini lethal chlorosis virus</i>	(ZLCV)	<i>Bunyaviridae</i>	<i>Tospovirus</i>
<i>Zucchini yellow fleck virus</i>	(ZYFV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Zucchini yellow mosaic virus</i>	(ZYMV)	<i>Potyviridae</i>	<i>Potyvirus</i>
<i>Zygocactus symptomless virus</i>	(ZSLV)	–	<i>Potexvirus</i>

<sup>a</sup>Species or viruses not assigned to a particular genus are shown as “unassigned”, with an indication in the column “family” as to their broader classification

Table 2. List of plant names abbreviations discrepancies used in plant virus names

- A and Ar for artichoke
- A and Ant for *Anthoxanthum*
- A and Ant for *Anthriscus*
- A and Ap (once) for apple
- A and Aq for *Aquilegia*
- B, Ba and Bar (once) for barley
- B, Be (once) and for bean
- B, Bt (once) and for beet
- B, and Bl for blueberry
- C and Car (once) for carnation. Car is used only once but, for the type species of the genus *Carmovirus*
- C, and Ct for carrot

Continued

Table 2 (continued)

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- C and Cas for *Cassia*
- C and Ch for chicory
- C and Ci for citrus
- C and Cl for *Clitoria*
- C and Co for cocksfoot (since Co is also used for coffee and cole, Ck could be the new abbreviation)
- C and CP for cowpea
- C and Cu for cucumber
- D and Des (once) for *Desmodium*
- D (once) and Di for *Digitaria*
- E (once) and Euo for *Euonimus*
- F and Fre for *Freesia*
- H and Hn (once) for honeysuckle
- H and Hp for hop
- L and Lyc for *Lychnis*
- M and Ma for *Malva*
- M and Mb for mungbean
- N and Na (once) for *Nandina*
- N and Ne (once) for *Nerine*
- P and Pan (once) for *Panicum*
- P, Pa (once) and Pap (once) for papaya
- P (once) and Par for parsnip
- P (once) and PF for passion fruit
- P and Pe (once) for pea
- P and Pe for peanut
- P and Pel for *Pelargonium*
- P and Pep for pepper
- P and Pet for *Petunia*
- P and PP for pigeon pea
- Pl used for *Plantago* and plantain (i.e. the scientific and vernacular name of the same host)
- P and Pop for poplar
- P and Pru (once) for *Prunus*
- R (once) and Ra for radish
- R (once) and Ran (once) for *Ranunculus*
- R and Rp (once) for raspberry
- S and Sh for shallot
- S and Son (once) for *Sonchus*
- S and So (once) for southern
- S and Sb for soybean
- S and Sq (once) for squash
- T and To for tomato
- T and Tra (once) for *Tradescantia*
- T and Tu (once) for turnip
- Wm and W for watermelon

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Table 3. List of international country abbreviation names

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Afghanistan	AF	Antarctica	AQ	Azerbaijan	AZ
Albania	AL	Antigua and Barbuda	AG	Bahamas	BS
Algeria	DZ	Argentina	AR	Bahrain	BH
American Samoa	AS	Armenia	AM	Bangladesh	BD
Andorra	AD	Aruba	AW	Barbados	BB
Angola	AO	Australia	AU	Belarus	BY
Anguilla	AI	Austria	AT	Belgium	BE

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Continued

Table 3 (continued)

Belize	BZ	French Polynesia	PF	Maldives	MV
Benin	BJ	French Southern Territories	TF	Mali	ML
Bermuda	BM	Gabon	GA	Malta	MT
Bhutan	BT	Gambia	GM	Marshal Islands	MH
Bolivia	BO	Georgia	GE	Martinique	MO
Bosnia and Herzegovina	BA	Germany	DE	Mauritania	MR
Botswana	EW	Ghana	GH	Mauritius	MU
Bouvet Island	BV	Gibraltar	GI	Mayotte	YT
Brazil	BR	Greece	GR	Mexico	MX
British Indian Ocean Territory	IO	Greenland	GL	Micronesia	FM
Brunei Darussalam	BN	Grenada	GD	Moldova	MD
Bulgaria	BG	Guadeloupe	GP	Monaco	MC
Burkina Faso	BF	Guam	GU	Mongolia	MN
Burundi	BI	Guatemala	GT	Montserrat	MS
Cambodia	KH	Guinea	GN	Morocco	MA
Cameroon	CM	Guinea-Bissau	GW	Mozambique	MZ
Canada	CA	Guyana	GY	Myanmar	MM
Cape Verde	CV	Haiti	HT	Namibia	NA
Cayman Islands	KY	Heard and McDonald Islands	HM	Nauru	NR
Central African Republic	CF	Honduras	HN	Nepal	NP
Chad	TD	Hong Kong	HK	Netherlands	NL
Chile	CL	Hungary	HU	Netherlands Antilles	AN
China	CN	Iceland	IS	New Caledonia	NC
Christmas Island	CX	India	IN	New Zealand	NZ
Cocos (Keeling Islands)	CC	Indonesia	ID	Nicaragua	NI
Colombia	CO	Iran	IR	Niger	NE
Comoros	KM	Iraq	IQ	Nigeria	NG
Congo	CG	Ireland	IE	Niue	NU
Cook Islands	CK	Israel	IL	Norfolk Island	NF
Costa Rica	CR	Italy	IT	Northern Mariana Islands	MR
Cote D'Ivoire (Ivory Coast)	CI	Jamaica	JM	Norway	NO
Croatia (Hrvatska)	HR	Japan	JR	Oman	OM
Cuba	Cu	Jordan	JO	Pakistan	PK
Cyprus	CY	Kazakhstan	KZ	Palau	RW
Czech Republic	CZ	Kenya	KE	Panama	RA
Denmark	DK	Kiribati	KI	Papua New Guinea	PG
Djibouti	DJ	Korea (North)	KP	Paraguay	PY
Dominica	OM	Korea (South)	KR	Peru	RE
Dominican Republic	DO	Kuwait	KW	Philippines	PH
East Timor	TP	Kyrgyzstan	KG	Pitcairn	PN
Ecuador	EC	Laos	LA	Poland	PL
Egypt	EG	Latvia	LV	Portugal	PT
El Salvador	SV	Lebanon	LB	Puerto Rico	PR
Equatorial Guinea	GO	Lesotho	LS	Qatar	QA
Eritrea	ER	Liberia	LR	Reunion	RE
Estonia	EE	Libya	LY	Romania	RO
Ethiopia	ET	Liechtenstein	LI	Russian Federation	RU
Falkland Islands (Malvinas)	FK	Lithuania	LT	Rwanda	RW
Faroe Islands	FO	Luxembourg	LU	Saint Kitts and Nevis	KN
Fiji	FJ	Macau	MO	Saint Lucia	LC
Finland	FI	Macedonia	MK	Saint Vincent and	VC
France	FR	Madagascar	MG	The Grenadines	
France, Metropolitan	FX	Malawi	MW	Samoa	WS
French Guiana	GF	Malaysia	MY	San Marino	SM

Continued



Table 3 (continued)

Sao Tome and Principe	ST	Jan Mayen Islands		United Arab Emirates	AE
Saudi Arabia	SA	Swaziland	SZ	United Kingdom	UK
Senegal	SN	Sweden	SE	United States	US
Seychelles	SC	Switzerland	CH	US Minor Outlying Islands	UM
Sierra Leone	SL	Syria	SY	Uruguay	UY
Singapore	SG	Taiwan	TW	Uzbekistan	UZ
Slovak Republic	SK	Tajikistan	TJ	Vanuatu	VU
Slovenia	SI	Tanzania	TZ	Vatican City State	VA
Solomon Islands	SB	Thailand	TH	(Holy City)	
Somalia	SO	Togo	TG	Venezuela	VE
South Africa	ZA	Tokelau	TK	Vietnam	VN
S. Georgia and	GS	Tonga	TO	Virgin Islands (British)	VG
S. Sandwich Islands		Trinidad and Tobago	TT	Virgin Islands (US)	VI
Spain	ES	Tunisia	TN	Wallis and Futuna Islands	WF
Sri Lanka	LK	Turkey	TR	Western Sahara	EH
St. Helena	SH	Turkmenistan	TM	Yemen	YE
St. Pierre and Miquelon	PM	Turks and Caicos Islands	TC	Yugoslavia	YU
Sudan	SD	Tuvalu	TV	Zaire	ZR
Suriname	SR	Uganda	UG	Zambia	ZM
Svalbard and	SJ	Ukraine	UA	Zimbabwe	ZW