

Risk Classification of Organisms:

Pathogenicity classification of DNA and RNA viruses

Status December 2024

COGEM advice CGM/241210-02

1. Dutch Regulations Genetically Modified Organisms

In the Dutch Decree on Genetically Modified Organisms (GMO Decree) and its accompanying more detailed Regulations (GMO Regulations) genetically modified micro-organisms are grouped in four pathogenicity classes, ranging from the lowest pathogenicity Class 1, to the highest Class 4.¹ The pathogenicity classifications are used to determine the containment level for working with GMOs.

A micro-organism of Class 1 should comply with at least one of the following conditions:

- 1) the micro-organism does not belong to a species of which representatives are known to be pathogenic for humans, animals or plants,
- 2) the micro-organism has a long history of safe use under conditions without specific containment measures,
- 3) the micro-organism belongs to a species that includes representatives of class 2, 3 or 4, but the particular strain does not contain genetic material that is responsible for the virulence,
- 4) the micro-organism has been shown to be non-virulent through adequate tests.

A micro-organism is grouped in Class 2 when it can cause a disease in humans or animals whereby it is unlikely to spread within the population while an effective prophylaxis, treatment or control strategy exists, as well as an organism that can cause a disease in plants.

A micro-organism is grouped in Class 3 when it can cause a serious disease in humans or animals whereby it is likely to spread within the population while an effective prophylaxis, treatment or control strategy exists.

A micro-organism is grouped in Class 4 when it can cause a very serious disease in humans or animals whereby it is likely to spread within the population while no effective prophylaxis, treatment or control strategy exists.

2. Pathogenicity classification of DNA and RNA viruses

The Netherlands Commission on Genetic Modification (COGEM) advises the Dutch government (amongst others) on the classification in risk groups (classes) of organisms according to the risk they pose to human health and the environment. These classifications are written in Dutch and, therefore, published only on the Dutch part of the COGEM website.

1. Ministerie van Infrastructuur en Milieu. Regeling genetisch gemodificeerde organismen milieubeheer 2013. <https://wetten.overheid.nl/BWBR0035072/2024-07-01> [In Dutch]. Visited 19 November, 2024.

To inform organisations outside the Netherlands about the classification of viruses by COGEM, the most recent classification list has been translated. The current update includes RNA and DNA viruses that have been classified by COGEM until the 10th of December, 2024. Table 1 and 3 contain the classifications of the DNA viruses, and table 2 and 3 the classifications of the RNA viruses. The viruses are sorted taxonomically (tables 1 and 2) and alphabetically by species name (tables 3 and 4). The taxonomy is according to the International Committee on Taxonomy of Viruses (ICTV) 2024 release.²

2. International Committee on Taxonomy of Viruses (ICTV). <https://ictv.global/taxonomy> Visited on 10th of December, 2024

Table 1. Pathogenicity classification of human and animal pathogenic DNA viruses, taxonomically sorted. Species name in italics according to ICTV release 2023, V3. If the virus has been classified as a strictly animal infecting virus in the COGEM advice CGM/141216-02, this is marked with an asterisk (*) after the advice number. PC – pathogenicity class. A - strictly animal pathogen.

Family	Genus	Species	Virus/subgroup/strain	PC	A?	Name used in COGEM advice	Advice number
Adenoviridae	Aviadenovirus	<i>Aviadenovirus ventriculi</i>		2	A	Fowl aviadenovirus A, Fowl adenovirus A	CGM/130917-01*
	Barthadenovirus	<i>Barthadenovirus bosquartum</i>	bovine atadenovirus 4	2	A		CGM/130606-01*
		unclassified	snake adenovirus 2	2	A		CGM/161124-02
	Mastadenovirus	<i>Mastadenovirus adami</i>	viruses isolated from humans	2		Human mastadenovirus A, Human adenovirus A	CGM/130917-01
		<i>Mastadenovirus blackbeardi</i>	viruses isolated from humans and apes	2		Human mastadenovirus B, Human adenovirus B	CGM/130917-01
		<i>Mastadenovirus bostertium</i>		2	A	Bovine mastadenovirus B, Bovine adenovirus B	CGM/130917-01*
		<i>Mastadenovirus caesari</i>	chimpanzee adenovirus 3	2		Pan troglodytes adenovirus 3	CGM/160906-01
		<i>Mastadenovirus caesari</i>	viruses isolated from humans and apes	2		Human mastadenovirus C, Human adenovirus C	CGM/130917-01
		<i>Mastadenovirus canidae</i>		2	A	Canine mastadenovirus A, Canine adenovirus A, ssp. Canine adenovirus 1/2	CGM/130917-01*
		<i>Mastadenovirus chlorocebi</i>	simian adenovirus 17	2			CGM/161124-02
		<i>Mastadenovirus cynocephali</i>	simian adenovirus 19	2			CGM/130606-01
		<i>Mastadenovirus dominans</i>	human adenovirus 56	2			CGM/161124-02
		<i>Mastadenovirus dominans</i>	viruses isolated from humans	2		Human mastadenovirus D, Human adenovirus D	CGM/130917-01
		<i>Mastadenovirus exoticum</i>	chimpanzee adenovirus Y25	2			CGM/170123-01
		<i>Mastadenovirus exoticum</i>	viruses isolated from humans and apes	2		Human mastadenovirus E, Human adenovirus E	CGM/130917-01
		<i>Mastadenovirus faecale</i>	viruses isolated from humans	2		Human mastadenovirus F, Human adenovirus F	CGM/130917-01
		<i>Mastadenovirus macacae</i>	simian adenovirus 13	2			CGM/130606-01
		<i>Mastadenovirus muris</i>	murine adenovirus 2	2	A		CGM/130606-01*
		<i>Mastadenovirus porcusquartum</i>		2		Porcine mastadenovirus B, Porcine adenovirus B	CGM/230823-01
		<i>Mastadenovirus porcusquintum</i>		2		Porcine mastadenovirus C, Porcine adenovirus C	CGM/230823-01
		<i>Mastadenovirus porcusterium</i>		2		Porcine mastadenovirus A, Porcine adenovirus A	CGM/230823-01
		<i>Mastadenovirus russelli</i>	simian adenovirus 51-53	2		Rhesus adenovirus 51-53	CGM/150615-01
		<i>Mastadenovirus russelli</i>	viruses isolated from humans	2		Human mastadenovirus G, Human adenovirus G	CGM/130917-01
Alloherpesviridae	Cyivirus	<i>Cyivirus cyprinidallo3</i>		2	A	Cyprinid herpesvirus 3	CGM/151014-01
Anelloviridae	Alphatorquevirus	<i>Alphatorquevirus homin1-29</i>		2		Torque teno virus 1-29	CGM/120301-01
	Betatorquevirus	<i>Betatorquevirus homini1-12</i>		2		Torque teno mini virus 1-12	CGM/120301-01
	Gammatorquevirus	<i>Gammatorquevirus homidi1-15</i>		2		Torque teno midi virus 1-15	CGM/230412-03
	Gyrovirus	<i>Gyrovirus chickenanemia</i>		2	A	Chicken anemia virus	CGM/130917-01*
Ascoviridae	virussen belonging to the family Ascoviridae			2	A		CGM/190715-01
Asfarviridae	Asfivirus	<i>African swine fever virus</i>		4	A	Afrikaanse varkenspestvirus	CGM/060420-04*
Baculoviridae	viruses belonging to the family Baculoviridae			2	A		CGM/190715-01
Bidnaviridae	viruses belonging to the family Bidnaviridae			2	A		CGM/190715-01

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Circoviridae	Circovirus	<i>Circovirus porcine1</i>		1	A	Porcine circovirus 1, Porcine circovirus-1	CGM/130917-01*
		<i>Circovirus porcine2</i>		2	A	Porcine circovirus 2, Porcine circovirus-2	CGM/130917-01*
Hepadnaviridae	Orthohepadnavirus	<i>Orthohepadnavirus hominoidei</i>		2		Hepatitis B virus	CGM/100706-01
		<i>Orthohepadnavirus marmotae</i>		2	A	Woodchuck hepatitis virus	CGM/130917-01*
Hytrosaviridae	viruses belonging to the family Hytrosaviridae			2	A		CGM/190715-01
Iridoviridae	<i>Iridovirus</i>	<i>Iridovirus chilo1</i>		2	A	Invertebrate iridescent virus 6	CGM/160908-01
	<i>Megalocytiavirus</i>	<i>Megalocytiavirus lates1</i>		2	A	Scale drop disease virus	CGM/170322-02
		<i>Megalocytiavirus pagrus1</i>		2	A	Red sea bream iridovirus	CGM/170322-02
Nimaviridae	<i>Whispovirus</i>	<i>White spot syndrome virus</i>		2	A		CGM/190820-01
Nudiviridae	viruses belonging to the family Nudiviridae			2	A		CGM/190715-01
Orthoherpesviridae	<i>Cytomegalovirus</i>	<i>Cytomegalovirus cercopithecinebeta5</i>		2		Cercopithecine betaherpesvirus 5, Cercopithecine herpesvirus 5	CGM/120301-01
		<i>Cytomegalovirus humanbeta5</i>		2		Human betaherpesvirus 5, Human cytomegalovirus, Human herpesvirus 5	CGM/120301-01
		<i>Cytomegalovirus macacinebeta3</i>		2		Macacine betaherpesvirus 3, Macacine herpesvirus 3	CGM/120301-01
		<i>Cytomegalovirus paninebeta2</i>		2		Panine betaherpesvirus 2, Panine herpesvirus 2	CGM/120301-01
	<i>Iltoavirus</i>	<i>Iltoavirus gallidalpha1</i>		2	A	Gallid alphaherpesvirus 1, Infectious laryngotracheitis virus, Gallid herpesvirus 1	CGM/130917-01*
		<i>Iltoavirus psittacidalpha1</i>		2	A	Psittacid alphaherpesvirus 1, Psittacid herpesvirus 1	CGM/130917-01*
	<i>Lymphocryptovirus</i>	<i>Lymphocryptovirus humangamma4</i>		2		Human gammaherpesvirus 4, Epstein-Barr virus, Human herpesvirus 4	CGM/120301-01
	<i>Mardivirus</i>	<i>Mardivirus anatalalpha1</i>		2	A	Anatid alphaherpesvirus 1, Duck enteritis virus	CGM/211230-01
		<i>Mardivirus gallidalpha2</i>		2	A	Gallid alphaherpesvirus 2, Marek's disease virus, Gallid herpesvirus 2, Marek's disease virus type 1	CGM/130917-01*
		<i>Mardivirus gallidalpha3</i>		2	A	Gallid alphaherpesvirus 3, Gallid herpesvirus 3, Marek's disease virus type 2	CGM/161130-02
		<i>Mardivirus meleagridalpha1</i>	vaccine strain 'FC-126'	1	A	Meleagrid alphaherpesvirus 1, Herpesvirus of turkeys, Marek's disease virus type 3	CGM/130917-01*
	<i>Muromegalovirus</i>	<i>Muromegalovirus muridbeta1</i>		2	A	Murid betaherpesvirus 1, Murid herpesvirus 1	CGM/151014-01
		<i>Muromegalovirus muridbeta2</i>		2	A	Rat cytomegalovirus	CGM/230815-01
	<i>Proboscivirus</i>	<i>Proboscivirus elephantidbeta1</i>		2	A	Elephantid betaherpesvirus 1, Elephantid herpesvirus	CGM/150902-01
	<i>Rhadinovirus</i>	<i>Rhadinovirus bovinegamma4</i>		2	A	Bovine gammaherpesvirus 4, Bovine herpesvirus 4	CGM/130917-01*
		<i>Rhadinovirus humangamma8</i>		2		Human gammaherpesvirus 8, Kaposi's sarcoma-associated herpesvirus, Human herpesvirus 8	CGM/130917-01
		<i>Rhadinovirus muridgamma4</i>		2	A	Murid gammaherpesvirus 4	CGM/170824-01
		<i>Rhadinovirus saimiriinegamma2</i>		2		Saimiriine gammaherpesvirus 2, Herpesvirus saimiri, Saimiriine herpesvirus 2	CGM/120301-01
Orthoherpesviridae	<i>Roseolovirus</i>	<i>Roseolovirus humanbeta6a</i>		2		Human betaherpesvirus 6A	CGM/170522-03
		<i>Roseolovirus humanbeta6b</i>		2		Human betaherpesvirus 6B	CGM/170522-03
		<i>Roseolovirus humanbeta7</i>		2		Human betaherpesvirus 7, Human herpesvirus 7	CGM/130917-01

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Orthoherpesviridae	Simplexvirus	Simplexvirus humanalpha1		2		Human alphaherpesvirus 1, Herpes simplex virus 1, Human herpesvirus 1	CGM/120301-01
		Simplexvirus humanalpha2		2		Human alphaherpesvirus 2, Herpes simplex virus 2, Human herpesvirus 2	CGM/120301-01
		Simplexvirus macacinealpha1		3		Macacine alphaherpesvirus 1, Herpes virus B, Herpesvirus simiae, Cercopithecine herpesvirus 1, Macacine herpesvirus 1	CGM/130917-01
	Varicellovirus	Varicellovirus bovinealpha1		2	A	Bovine alphaherpesvirus 1, Bovine herpesvirus 1	CGM/130917-01*
		Varicellovirus cercopithecinealpha9		2	A	Cercopithecine alphaherpesvirus 9	CGM/180824-01
		Varicellovirus equidalpha1		2	A	Equid alphaherpesvirus 1, Equid herpesvirus 1	CGM/150416-01
		Varicellovirus equidalpha4		2	A	Equid alphaherpesvirus 4, Equid herpesvirus 4	CGM/160706-01
		Varicellovirus felidalpha1		2	A	Felid alphaherpesvirus 1, Feline herpesvirus 1, Felid herpesvirus 1	CGM/120301-01*
		Varicellovirus humanalpha3		2		Human alphaherpesvirus 3, Varicella-zoster virus, Human herpesvirus 3	CGM/130917-01
		Varicellovirus suidalpha1		3	A	Suid alphaherpesvirus 1, Pseudorabiesvirus, Aujeszky's disease virus, Suid herpesvirus 1	CGM/070626-01*
Papillomaviridae	Alphapapillomavirus	Alphapapillomavirus 1		2		Human papillomavirus 32	CGM/151216-02
		Alphapapillomavirus 2		2		Human papillomavirus 10	CGM/151216-02
		Alphapapillomavirus 3		2		Human papillomavirus 61	CGM/151216-02
		Alphapapillomavirus 4		2		Human papillomavirus 2	CGM/151216-02
		Alphapapillomavirus 5		2		Human papillomavirus 26	CGM/151216-02
		Alphapapillomavirus 6		2		Human papillomavirus 53	CGM/151216-02
		Alphapapillomavirus 7		2		Human papillomavirus 18	CGM/151216-02
		Alphapapillomavirus 8		2		Human papillomavirus 7	CGM/151216-02
		Alphapapillomavirus 9		2		Human papillomavirus 16	CGM/151216-02
		Alphapapillomavirus 10		2		Human papillomavirus 6	CGM/151216-02
		Alphapapillomavirus 11		2		Human papillomavirus 34	CGM/151216-02
		Alphapapillomavirus 13		2		Human papillomavirus 54	CGM/151216-02
		Alphapapillomavirus 14		2		Human papillomavirus cand90	CGM/151216-02
	Betapapillomavirus	Betapapillomavirus 1		2		Human papillomavirus 5	CGM/151216-02
		Betapapillomavirus 2		2		Human papillomavirus 9	CGM/151216-02
		Betapapillomavirus 3		2		Human papillomavirus 49	CGM/151216-02
		Betapapillomavirus 4		2		Human papillomavirus cand92	CGM/151216-02
		Betapapillomavirus 5		2		Human papillomavirus cand96	CGM/151216-02
	Deltapapillomavirus	Deltapapillomavirus 4	bovine papillomavirus 1, bovine papillomavirus 2	2	A	Bovine papillomavirus 1, Bovine papillomavirus 2	CGM/210428-01
	Gammapapillomavirus	Gammapapillomavirus 1		2		Human papillomavirus 4	CGM/151216-02
		Gammapapillomavirus 2		2		Human papillomavirus 48	CGM/151216-02
		Gammapapillomavirus 3		2		Human papillomavirus 50	CGM/151216-02
		Gammapapillomavirus 4		2		Human papillomavirus 60	CGM/151216-02
		Gammapapillomavirus 5		2		Human papillomavirus 88	CGM/151216-02

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Papillomaviridae	Gammapapillomavirus	Gammapapillomavirus 6		2		Human papillomavirus 101	CGM/151216-02
		Gammapapillomavirus 7		2		Human papillomavirus 109	CGM/151216-02
		Gammapapillomavirus 8		2		Human papillomavirus 112	CGM/151216-02
		Gammapapillomavirus 9		2		Human papillomavirus 116	CGM/151216-02
		Gammapapillomavirus 10		2		Human papillomavirus 121	CGM/151216-02
		Gammapapillomavirus 11		2		Human papillomavirus 126	CGM/151216-02
		Gammapapillomavirus 12		2		Human papillomavirus 127	CGM/151216-02
		Gammapapillomavirus 13		2		Human papillomavirus 128	CGM/151216-02
		Gammapapillomavirus 14		2		Human papillomavirus 131	CGM/151216-02
		Gammapapillomavirus 15		2		Human papillomavirus 135	CGM/151216-02
		Gammapapillomavirus 16		2		Human papillomavirus 137	CGM/151216-02
		Gammapapillomavirus 17		2		Human papillomavirus 144	CGM/151216-02
		Gammapapillomavirus 18		2		Human papillomavirus 156	CGM/151216-02
		Gammapapillomavirus 19		2		Human papillomavirus 161	CGM/151216-02
		Gammapapillomavirus 20		2		Human papillomavirus 163	CGM/151216-02
	Mupapillomavirus	Mupapillomavirus 1		2		Human papillomavirus 1	CGM/151216-02
		Mupapillomavirus 2		2		Human papillomavirus 63	CGM/151216-02
	Nupapillomavirus	Nupapillomavirus 1		2		Human papillomavirus 41	CGM/151216-02
Parvoviridae	Aquambidensovirus	Aquambidensovirus asteroid1		2	A	Asteroid aquambidensovirus 1	CGM/211117-01
		Aquambidensovirus decapod1		2	A	Decapod aquambidensovirus 1	CGM/211117-01
	Blattambidensovirus	viruses belonging to the genus Blattambidensovirus		2	A		CGM/211117-01
	Bocaparvovirus	Bocaparvovirus primate1	human bocavirus 1 (HBoV-1), human bocavirus 3 (HBoV-3), gorilla bocavirus 1 (GBoV-1)	2		Primate bocaparvovirus 1	CGM/180201-01
		Bocaparvovirus primate2	human bocavirus 2 (HBoV-2), human bocavirus 4 (HBoV-4)	2		Primate bocaparvovirus 2	CGM/180201-01
		unclassified	gorilla bocaparvovirus 2 (GBoV-2)	2			CGM/180201-01
	Brevihamaparvovirus	viruses belonging to the genus Brevihamaparvovirus		2	A		CGM/190715-01
	Copiparvovirus	Copiparvovirus ungulate6		2	A	Equine parvovirus-H	CGM/210428-01
		Copiparvovirus ungulate7		2	A	Eqcopivirus, Equine copiparvovirus	CGM/210428-01
		Copiparvovirus ungulate8		2	A	Horse parvovirus-CSF	CGM/210428-01
	Dependoparvovirus	Dependoparvovirus mammalian1		1		Adeno-associated dependoparvovirus B, Adeno-associated virus (AAV)	CGM/180321-01
		Dependoparvovirus primate1		1		Adeno-associated dependoparvovirus A, Adeno-associated virus (AAV)	CGM/180321-01
		unclassified	AAVpo1	1			CGM/180321-01
		unclassified	AAVrh10	1			CGM/180321-01
	Erythroparvovirus	Erythroparvovirus primate1		2		Primate erythroparvovirus 1, Human parvovirus B19	CGM/130917-01

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Parvoviridae	<i>Hemiambidensovirus</i>	viruses belonging to the genus <i>Hemiambidensovirus</i>		2	A		CGM/190715-01
	<i>Iteradensovirus</i>	viruses belonging to the genus <i>Iteradensovirus</i>		2	A		CGM/190715-01
	<i>Pefuambidensovirus</i>	viruses belonging to the genus <i>Pefuambidensovirus</i>		2	A		CGM/190715-01
	<i>Protoambidensovirus</i>	viruses belonging to the genus <i>Protoambidensovirus</i>		2	A		CGM/190715-01
	<i>Protoparvovirus</i>	<i>Protoparvovirus carnivoran1</i>		2	A	Carnivore protoparvovirus 1, Feline panleukopenia virus, Canine parvovirus	CGM/130917-01*
		<i>Protoparvovirus rodent1</i>	H-1 parvovirus, minute virus of mice	2	A	Rodent protoparvovirus 1, Rodent parvovirus H-1	CGM/130917-01*
	<i>Scindoambidensovirus</i>	viruses belonging to the genus <i>Scindoambidensovirus</i>		2	A		CGM/190715-01
Polydnaviriformidae	viriforms belonging to the family <i>Polydnaviriformidae</i>			2	A		CGM/190715-01
Polyomaviridae	<i>Alphapolyomavirus</i>	<i>Alphapolyomavirus muris</i>		2	A	Mus musculus polyomavirus 1, Murine polyomavirus	CGM/130917-01*
		<i>Alphapolyomavirus octihominis</i>		2		Human polyomavirus 8, Trichodysplasia spinulosa-associated polyomavirus	CGM/120229-01
		<i>Alphapolyomavirus panos</i>		2		Pan troglodytes polyomavirus 1, Chimpanzee polyomavirus	CGM/130917-01
		<i>Alphapolyomavirus ponabelii</i>		2		Pongo abelii polyomavirus 1, Sumatran orangutan polyomavirus	CGM/130917-01
		<i>Alphapolyomavirus ponpygmaeus</i>		2		Pongo pygmaeus polyomavirus 1, Bornean orangutan polyomavirus	CGM/130917-01
		<i>Alphapolyomavirus quintihominis</i>		2		Human polyomavirus 5, Merkel cell polyomavirus	CGM/130917-01
	<i>Betapolyomavirus</i>	<i>Betapolyomavirus hominis</i>		2		Human polyomavirus 1, BK polyomavirus	CGM/120301-01
		<i>Betapolyomavirus macacae</i>		2		Macaca mulatta polyomavirus 1, SV40, Simian virus 40	CGM/130917-01
		<i>Betapolyomavirus saboliviensis</i>		2		Saimiri boliviensis polyomavirus 1, Squirrel monkey polyomavirus	CGM/130917-01
		<i>Betapolyomavirus secuominis</i>		2		Human polyomavirus 2, JC polyomavirus	CGM/120301-01
		<i>Betapolyomavirus secuominis</i>		2		Human polyomavirus 3, KI polyomavirus, Human polyomavirus 4, WU polyomavirus	CGM/130917-01
	<i>Deltapolyomavirus</i>	<i>Deltapolyomavirus septihominis</i>		2		Human polyomavirus 7	CGM/130917-01
		<i>Deltapolyomavirus sextihominis</i>		2		Human polyomavirus 6	CGM/130917-01
	<i>Epsilonpolyomavirus</i>	<i>Epsilonpolyomavirus bovis</i>		2	A	Bovine polyomavirus 1	CGM/221205-02
	<i>Gammapolyomavirus</i>	<i>Gammapolyomavirus avis</i>		2	A	Aves polyomavirus 1, Avian polyomavirus, Budgerigar fledgling disease virus	CGM/010413-03*
	unclassified	bovine polyomavirus 2		2	A		CGM/221205-02
		bovine polyomavirus 3		2	A		CGM/221205-02
		unclassified	African green monkey polyomavirus	2			CGM/130917-01
		unclassified	baboon polyomavirus 2	2			CGM/130917-01
		unclassified	cynomolgus polyomavirus	2			CGM/130917-01

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<i>Polyomaviridae</i>	unclassified	unclassified	simian virus 12	2			CGM/130917-01
		unclassified	subgroep Primate polyomaviruses	2			CGM/071127-01
<i>Poxviridae</i>	<i>Avipoxvirus</i>	<i>Avipoxvirus canarypox</i>		2	A	Canarypox virus	CGM/130917-01*
		<i>Avipoxvirus canarypox</i>	vaccine strain 'ALVAC'	1	A	Canarypox virus	CGM/030922-04*
		<i>Avipoxvirus fowlpox</i>		2	A	Fowlpox virus	CGM/130917-01*
		<i>Avipoxvirus fowlpox</i>	vaccine strain 'TROVAC'	1	A	Fowlpox virus	CGM/030519-06*
	<i>Capripoxvirus</i>	<i>Capripoxvirus goatpox</i>		3	A	Goatpox virus, Geitenpokkenvirus, Capripoxvirus	CGM/060420-04*
		<i>Capripoxvirus lumpyskinpox</i>		3	A	Lumpy skin disease virus	CGM/060420-04*
		<i>Capripoxvirus sheeppox</i>		3	A	Sheeppox virus, Schapenpokkenvirus, Capripoxvirus	CGM/060420-04*
	<i>Leporipoxvirus</i>	<i>Leporipoxvirus myxoma</i>		2	A	Myxoma virus	CGM/060420-04*
	<i>Orthopoxvirus</i>	<i>Orthopoxvirus cowpox</i>		2		Cowpox virus	CGM/150318-01
		<i>Orthopoxvirus vaccinia</i>		2		Vaccinia virus	CGM/120301-01
		<i>Orthopoxvirus vaccinia</i>	vaccine strain 'MVA'; vaccine strain 'NYVAC'	1		Vaccinia virus	CGM/030519-06
		<i>Orthopoxvirus vaccinia</i>	vaccine strain 'WR'	2		Vaccinia virus	CGM/030519-06
	<i>Suipoxvirus</i>	<i>Suipoxvirus swinepox</i>		2	A	Swinepox virus	CGM/130917-01*
	<i>Yatapoxvirus</i>	<i>Yatapoxvirus yabapox</i>		2		Yaba monkey tumor virus, Yaba-like disease virus	CGM/130917-01
	viruses belonging to the subfamily <i>Entomopoxvirinae</i>			2	A		CGM/190715-01

Tabel 2. Pathogenicity classification of human and animal pathogenic RNA viruses, taxonomically sorted. Species name in *italics* according to ICTV release 2023, V3. If the virus has been classified as a strictly animal infecting virus in the COGEM advice CGM/141216-02, this is marked with an asterisk (*) after the advice number. PC – pathogenicity class. A - strictly animal pathogen.

Family	Genus	Species	Virus/subgroup/strain	PC	A?	Name mentioned in COGEM advice	Advice number
<i>Alphatetraviridae</i>	viruses belonging to the family <i>Alphatetraviridae</i>			2	A		CGM/190715-01
<i>Amnoonviridae</i>	<i>Tilapinevirus</i>	<i>Tilapinevirus tilapiae</i>		2	A	Tilapia lake virus, Tilapia tilapinevirus	CGM/170322-02
<i>Arenaviridae</i>	<i>Mammarenavirus</i>	<i>Mammarenavirus braziliense</i>		4		Brazilian mammarenavirus	CGM/230412-02
		<i>Mammarenavirus caliense</i>		2		Cali mammarenavirus, Pichinde virus	CGM/190703-03
		<i>Mammarenavirus chapareense</i>		4		Chapare mammarenavirus	CGM/230412-02
		<i>Mammarenavirus choriomeningitidis</i>		3		Lymphocytic choriomeningitis mammarenavirus, Lymphocytic choriomeningitis virus	CGM/160513-01
		<i>Mammarenavirus choriomeningitidis</i>	Strain Armstrong; strain Docile; strain WE	2		Lymphocytic choriomeningitis mammarenavirus	CGM/160513-01
		<i>Mammarenavirus guanaritoense</i>		4		Guanarito mammarenavirus	CGM/230412-02
		<i>Mammarenavirus juninense</i>		4		Argentinian mammarenavirus, Junín virus, Junín mammarenavirus	CGM/131031-02
		<i>Mammarenavirus lassaense</i>		4		Lassa mammarenavirus, Lassa virus	CGM/131031-02
		<i>Mammarenavirus lujoense</i>		4		Lujo mammarenavirus	CGM/230412-02
		<i>Mammarenavirus machupoense</i>		4		Machupo mammarenavirus, Machupo virus	CGM/131031-02
<i>Arteriviridae</i>		<i>Mammarenavirus tacaribeense</i>		2	A	Tacaribe mammarenavirus, Tacaribe virus	CGM/131031-02*
		<i>Mammarenavirus whitewaterense</i>		4		Whitewater arroyo mammarenavirus	CGM/230412-02
		<i>Alphaarterivirus</i>	<i>Alphaarterivirus equid</i>	2	A	Equine arteritis virus	CGM/120301-01*
		<i>Betaarterivirus</i>	<i>Betaarterivirus americense</i>	2	A	Betaarterivirus suid 2, Porcine reproductive and respiratory syndrome virus 2	CGM/151214-01
			<i>Betaarterivirus europensis</i>	2	A	Betaarterivirus suid 1, Lelystadvirus, Porcine reproductive and respiratory syndrome virus, Porcine reproductive and respiratory syndrome virus 1	CGM/151214-01*
		<i>Deltaarterivirus</i>	<i>Deltaarterivirus hemfev</i>	2	A	Simian hemorrhagic fever virus	CGM/120301-01*
		<i>Epsilonarterivirus</i>	<i>Epsilonarterivirus hemcep</i>	2	A	Simian hemorrhagic encephalitis virus	CGM/151214-01
		<i>Etaarterivirus</i>	<i>Etaarterivirus ugarco</i>	2	A	Etaarterivirus ugarco 1, Kibale red colobus virus 2	CGM/151214-01
		<i>Gammaarterivirus</i>	<i>Gammaarterivirus lacdeh</i>	2	A	Lactate dehydrogenase-elevating virus	CGM/120301-01*
		<i>Iotaarterivirus</i>	<i>Iotaarterivirus debrazzo</i>	2	A	DeBrazza's monkey arterivirus	CGM/151214-01
			<i>Iotaarterivirus kibreg</i>	2	A	Iotaarterivirus kibreg 1, Kibale red-tailed guenon virus, Kibale red-tailed guenon virus 1	CGM/151214-01
			<i>Iotaarterivirus pejah</i>	2	A	Pebjah virus	CGM/151214-01
		<i>Kappaarterivirus</i>	<i>Kappaarterivirus wobum</i>	2	A	Wobbly possum disease virus	CGM/151214-01
		<i>Lambdaarterivirus</i>	<i>Lambdaarterivirus afriporav</i>	2	A	African pouched rat arterivirus 1, Forest pouched giant rat arterivirus, African pouched rat arterivirus	CGM/151214-01
		<i>Thetaarterivirus</i>	<i>Thetaarterivirus mikelba</i>	2	A	Thetaarterivirus mikelba 1, Mikumi yellow baboon virus 1	CGM/151214-01
		<i>Zetaarterivirus</i>	<i>Zetaarterivirus ugarco</i>	2	A	Zetaarterivirus ugarco 1, Kibale red colobus virus 1	CGM/151214-01
<i>Astroviridae</i>	<i>Mamastrovirus</i>	<i>Mamastrovirus hominis</i>		2		Mamastrovirus 1, Human Astrovirus serotype 1-8	CGM/230815-03
		<i>Mamastrovirus homustovis</i>		2		Mamastrovirus 8	CGM/230925-02

Family	Genus	Species	Virus/subgroup/strain	PC	A?	Name mentioned in COGEM advice	Advice number
Astroviridae	Mamastrovirus	Mamastrovirus melbournense		2		Mamastrovirus 6	CGM/230925-02
		Mamastrovirus virginiaense		2		Mamastrovirus 9	CGM/230925-02
Birnaviridae	Avibirnavirus	Avibirnavirus gumboroense		2	A	Infectious bursal disease virus, Ziekte van Gumborovirus	CGM/131031-02*
	Entomobirnavirus	viruses belonging to the genus Entomobirnavirus		2	A		CGM/190715-01
Caliciviridae	Lagovirus	Lagovirus europaeus		2	A	Rabbit hemorrhagic disease virus, Viraal hemorrhagisch syndroom van konijnen virus	CGM/060420-04*
	Norovirus	Norovirus norwalkense		2		Norwalk virus	CGM/131031-02
	Sapovirus	Sapovirus sapporoense		2		Sapporo virus	CGM/131031-02
	Vesivirus	Vesivirus exanthema		2	A	Vesicular exanthema of swine virus	CGM/060420-04*
		Vesivirus felis		2	A	Feline calicivirus	CGM/131031-02*
Coronaviridae	Alphacoronavirus	Alphacoronavirus amsterdamense		2		Human coronavirus NL63	CGM/090227-03
		Alphacoronavirus chicagoense		2		Human coronavirus 229E	CGM/120301-01
		Alphacoronavirus porci		2	A	Porcine epidemic diarrhea virus	CGM/131031-02*
		Alphacoronavirus suis	canine coronavirus (type I en II); provisional ssp. Ferret coronavirus (ferret enteric coronavirus and ferret systemic coronavirus); porcine respiratory coronavirus; transmissible gastroenteritis virus	2	A	Alphacoronavirus 1	CGM/131031-02*
		Alphacoronavirus suis	feline coronavirus (type I en II)	2	A	Alphacoronavirus 1, Feline infectious peritonitis virus	CGM/010724-02*
		swine acute diarrhea syndrome coronavirus		2	A	Swine enteric alphacoronavirus, Porcine enteric alphacoronavirus	CGM/210428-01
	Betacoronavirus	Betacoronavirus cameli		3		Middle East respiratory syndrome-related coronavirus, HCoV EMC, MERS-coronavirus	CGM/130822-01
		Betacoronavirus gravedinis	bovine coronavirus; equine coronavirus; porcine hemagglutinating encephalomyelitis virus; rabbit coronavirus HKU14	2	A	Betacoronavirus 1	CGM/131031-02*
		Betacoronavirus gravedinis	human coronavirus OC43	2		Betacoronavirus 1	CGM/120301-01
		Betacoronavirus hongkongense		2		Human coronavirus HKU1	CGM/090227-03
		Betacoronavirus muris		2	A	Murine coronavirus, Mouse hepatitis virus	CGM/120301-01*
		Betacoronavirus pandemicum		3		Severe acute respiratory syndrome-related coronavirus	CGM/030429-01
		Betacoronavirus pandemicum	severe acute respiratory syndrome coronavirus 2	3		Severe acute respiratory syndrome-related coronavirus, SARS-CoV-2	CGM/200211-01
		Betacoronavirus pandemicum	severe acute respiratory syndrome coronavirus 2 variants Alpha, Beta, Gamma, Delta, Epsilon, Zeta, Eta, Iota, Theta, Kappa, Lambda, Mu, Omicron, original haplotypes of SARS-CoV-2 (Pango lineage A and B; Nextstrain 19A, 19B, 20A, 20B, 20C, 20D, 20E, and 20G)	2			CGM/241210-01

Family	Genus	Species	Virus/subgroup/strain	PC	A?	Name mentioned in COGEM advice	Advice number
Coronaviridae	Betacoronavirus	<i>Betacoronavirus pandemicum</i>	strain Bat coronavirus BM48-31/BGR/2008, strain Bat coronavirus BtKY72, strain Bat coronavirus Cp/Yunnan2011, strain Bat coronavirus RaTG13, strain Bat coronavirus Rf1, strain Bat coronavirus Rs4081, strain Bat coronavirus SHC014, strain Bat coronavirus WIV1, strain Pangolin coronavirus Pangolin BetaCoV Guandong2019	3		Severe acute respiratory syndrome-related coronavirus	CGM/230502-01
				2	A	Coronavirus HKU15, Porcine deltacoronavirus	CGM/200915-01
			bottlenose dolphin coronavirus	2	A		CGM/190412-03
				2	A	Beluga whale coronavirus SW1	CGM/190412-03
				2	A	Avian coronavirus, Infectious bronchitis virus	CGM/120104-01*
Dicistroviridae	<i>Aparavirus</i>	<i>Aparavirus tauraense</i>		2	A	Taura syndrome virus	CGM/201030-02
	viruses belonging to the family <i>Dicistroviridae</i>			2	A		CGM/190715-01
Filoviridae	<i>Orthoebolavirus</i>	<i>Orthoebolavirus restonense</i>		4		Reston ebolavirus	CGM/120301-01
		<i>Orthoebolavirus sudanense</i>		4		Sudan ebolavirus	CGM/120301-01
		<i>Orthoebolavirus taiense</i>		4		Tai Forest ebolavirus	CGM/120301-01
		<i>Orthoebolavirus zaireense</i>		4		Zaire ebolavirus	CGM/120301-01
	<i>Orthomarburgvirus</i>	<i>Orthomarburgvirus marburgense</i>		4		Marburg marburgvirus, Lake Victoria marburgvirus, Marburgvirus	CGM/120301-01
Flaviviridae	<i>Hepacivirus</i>	<i>Hepacivirus hominis</i>		2		Hepacivirus C, Hepatitis C virus	CGM/170224-02
	<i>Orthoflavivirus</i>	Binjari virus		2	A		CGM/201210-02
		<i>Orthoflavivirus bagazaense</i>		2	A	Bagaza virus	CGM/210118-03
		<i>Orthoflavivirus denguei</i>		3		Dengue virus	CGM/050615-01
		<i>Orthoflavivirus denguei</i>	vaccine strain DENV-2 PDK-53	2			CGM/240404-01
		<i>Orthoflavivirus encephalitis</i>	European subtype; Far Eastern subtype; Siberian subtype	3		Tick-borne encephalitis virus	CGM/131031-02
		<i>Orthoflavivirus flavi</i>		3		Yellow fever virus	CGM/050615-01
		<i>Orthoflavivirus flavi</i>	vaccine strain 'YF-17D'	2		Yellow fever virus	CGM/050615-01
		<i>Orthoflavivirus israelense</i>		2	A	Israel turkey meningoencephalomyelitis virus	CGM/210118-03
		<i>Orthoflavivirus japonicum</i>		3		Japanese encephalitis virus	CGM/120301-01
		<i>Orthoflavivirus modocense</i>		2		Modoc virus	CGM/150902-01
		<i>Orthoflavivirus nilense</i>		3		West Nile virus	CGM/030930-04
		<i>Orthoflavivirus tembusu</i>		2	A	Tembusu virus	CGM/210118-03
		<i>Orthoflavivirus usutuense</i>		2		Usutu virus	CGM/180827-01
		<i>Orthoflavivirus yokoseense</i>		3	A	Yokose virus	CGM/090119-04*
		<i>Orthoflavivirus zikaense</i>		3		Zika virus	CGM/160307-01

Family	Genus	Species	Virus/subgroup/strain	PC	A?	Name mentioned in COGEM advice	Advice number
Flaviviridae	Orthoflavivirus	viruses belonging to the taxonomical group 'classical insect-specific flaviviruses' (CISFs)		2	A		CGM/190715-01
	Pestivirus	<i>Pestivirus australiense</i>	Bungowannah virus	3	A	Pestivirus F	CGM/160331-01
		<i>Pestivirus bovis</i>		2	A	Pestivirus A, Bovine viral diarrhea virus 1	CGM/070626-03*
		<i>Pestivirus ovis</i>		2	A	Pestivirus D, Border disease virus	CGM/131031-02*
		<i>Pestivirus scrofae</i>	atypical porcine pestivirus	2	A	Pestivirus K	CGM/170302-01
		<i>Pestivirus suis</i>		4	A	Pestivirus C, Klassieke varkenspestivirus, Hog cholera virus, Classical swine fever virus	CGM/070626-03*
		<i>Pestivirus tauri</i>		2	A	Pestivirus B, Bovine viral diarrhea virus 2	CGM/070626-03*
	unclassified	unclassified	cell fusing agent virus	2	A		CGM/170510-01*
Hantaviridae	Orthohantavirus	<i>Orthohantavirus sinnombreense</i>		3		Sin Nombre orthohantavirus	CGM/210830-01
		<i>Orthohantavirus tulaense</i>		2		Tula orthohantavirus	CGM/211006-01
Hepeviridae	Paslahepevirus	<i>Paslahepevirus balayani</i>	hepatitis E virus-1 en -2	2		Orthohepevirus A	CGM/131031-02
		<i>Paslahepevirus balayani</i>	hepatitis E virus-3 en -4	2		Orthohepevirus A	CGM/121221-01
Iflaviridae		viruses belonging to the family Iflaviridae		2	A		CGM/190715-01
	unclassified	Diaphorina citri picorna-like virus		2	A		CGM/221114-01
Kolmioviridae	Deltavirus	<i>Deltavirus italiense</i>		2		Hepatitis D virus	CGM/100707-01
Matonaviridae	Rubivirus	<i>Rubivirus rubellae</i>		2		Rubella virus	CGM/131031-02
Mesoniviridae		viruses belonging to the family Mesoniviridae		2	A		CGM/190715-01
Nairoviridae	Orthonairovirus	<i>Orthonairovirus haemorrhagiae</i>	Crimean-Congo hemorrhagic fever virus	4		Crimean-Congo hemorrhagic fever orthonairovirus, Crimean-Congo hemorrhagic fever nairovirus (species)	CGM/110321-01
Narnaviridae	unclassified	unclassified	AejapNV1	2	A		CGM/230412-01
		unclassified	CxNV1	2	A		CGM/230412-01
Nodaviridae	Alphanodavirus	<i>Alphanodavirus flockense</i>		2	A	Flock House virus	CGM/200212-01
		<i>Alphanodavirus nodamuraense</i>		2	A	Nodamura virus	CGM/231121-01
	Betanodavirus	<i>Betanodavirus epinepheli</i>		2	A	Redspotted grouper nervous necrosis virus	CGM/170322-02
		<i>Betanodavirus pseudocarangis</i>		2	A	Striped jack nervous necrosis virus	CGM/120301-01*
		<i>Betanodavirus takifugui</i>		2	A	Tiger puffer nervous necrosis virus	CGM/170322-02
		<i>Betanodavirus verasperi</i>		2	A	Barfin flounder nervous necrosis virus	CGM/170322-02
		unclassified	turbot betanodavirus	2	A		CGM/170322-02
	unclassified	Orsay virus		2	A		CGM/210902-01
Noraviridae	Orthonoravirus	viruses belonging to the genus <i>Orthonoravirus</i>		2	A	virussen behorende tot de taxonomische groep 'Noravirus'	CGM/190715-01
Orthomyxoviridae	Alphainfluenzavirus	<i>Alphainfluenzavirus influenzae</i>	All influenza A viruses with exception of several more virulent viruses (see below)	2		Influenza A virus	CGM/201006-02

Family	Genus	Species	Virus/subgroup/strain	PC	A?	Name mentioned in COGEM advice	Advice number
Orthomyxoviridae	Alphainfluenzavirus	Alphainfluenzavirus influenzae	HPAI H5. HPAI H7, 1918 H1N1 'Spanish flu', 1957 H2N2 'Asian flu', H7N9 viruses, and 'new' influenza A viruses with pandemic potential	3		Influenza A virus	CGM/201006-02
		Alphainfluenzavirus influenzae	strain 'HongKong/1/68'	2		Influenza A virus	CGM/130530-01
		Alphainfluenzavirus influenzae	strain 'Udorn/307/72'	2		Influenza A virus	CGM/100830-02
		Alphainfluenzavirus influenzae	strain 'WSN/33'	2		Influenza A virus	CGM/050201-01
		Alphainfluenzavirus influenzae	vaccine strain 'Port Chalmers/1/73'	2		Influenza A virus	CGM/060724-03
		Alphainfluenzavirus influenzae	vaccine strain 'Puerto Rico/8/34'	2		Influenza A virus	CGM/060228-02
		Bat Influenza A virus H17N10		2	A		CGM/210618-02
		Bat Influenza A virus H18N11		2	A		CGM/210618-02
	Beta	Beta					
	Beta	Beta					
	Beta	Beta					
	Beta	Beta					
Paramyxoviridae	Henipavirus	Henipavirus hendraense		4		Hendra henipavirus, Hendra virus	CGM/160706-01
		Henipavirus nipahense		4		Nipah henipavirus, Nipah virus	CGM/160706-01
	Metaavulavirus	Metaavulavirus delawarensis		2	A	Avian metaavulavirus 8, Avian paramyxovirus 8	CGM/131031-02*
		Metaavulavirus hongkongense		2	A	Avian metaavulavirus 6, Avian paramyxovirus 6	CGM/131031-02*
		Metaavulavirus kunitachiense		2	A	Avian metaavulavirus 5, Avian paramyxovirus 5	CGM/131031-02*
		Metaavulavirus tennesse		2	A	Avian metaavulavirus 7, Avian paramyxovirus 7	CGM/131031-02*
		Metaavulavirus yucaipaense		2	A	Avian metaavulavirus 2, Avian paramyxovirus 2	CGM/131031-02*
	Morbillivirus	Morbillivirus canis		2	A	Canine morbillivirus, Canine distemper virus	CGM/100616-01*
		Morbillivirus caprinae		3	A	Small ruminant morbillivirus, Peste-des-petits-ruminants virus	CGM/060420-04*
		Morbillivirus hominis		2		Measles morbillivirus, Mazelen, Measles virus	CGM/121206-01
		Morbillivirus pecoris		4	A	Rinderpest morbillivirus, Rinderpestvirus, Runderpestvirus	CGM/170510-02*
		Morbillivirus phocae		2	A	Phocine morbillivirus, Phocine distemper virus	CGM/131202-01*
		Morbillivirus phyllostomi		3		Phyllostomus bat morbillivirus	CGM/230615-01
		Morbillivirus suis		3		Porcine morbillivirus	CGM/230615-01
	Orthoavulavirus	Orthoavulavirus javaense	Lentogenic NDV strains, provided that they meet two preconditions: monobasic cleavage site, and ICPI <0.7	2	A	Avian orthoavulavirus 1, O.a. LaSota en Clone 30	CGM/201202-02
		Orthoavulavirus javaense		3	A	Avian orthoavulavirus 1, Pseudovogelpest virus, Newcastle disease virus	CGM/020318-06*
		Orthoavulavirus newyorkense		2	A	Avian orthoavulavirus 9, Avian paramyxovirus 9	CGM/131031-02*
	Orthorubulavirus	Orthorubulavirus hominis		2		Human orthorubulavirus 4, Human parainfluenza virus 4	CGM/120301-01
		Orthorubulavirus laryngotracheitidis		2		Human orthorubulavirus 2, Human parainfluenza virus 2	CGM/120301-01
		Orthorubulavirus mammalis		2	A	Mammalian orthorubulavirus 5, Parainfluenza virus 5	CGM/120301-01*
		Orthorubulavirus parotitidis		2		Mumps orthorubulavirus, Bof, Mumps virus	CGM/130528-01

Family	Genus	Species	Virus/subgroup/strain	PC	A?	Name mentioned in COGEM advice	Advice number
Paramyxoviridae	Paraavulavirus	<i>Paraavulavirus hongkongense</i>		2	A	Avian paraavulavirus 4, Avian paramyxovirus 4	CGM/131031-02*
		<i>Paraavulavirus wisconsinense</i>		2	A	Avian paraavulavirus 3, Avian paramyxovirus 3	CGM/131031-02*
	Respirovirus	<i>Respirovirus bovis</i>		2	A	Bovine respirovirus 3, Bovine parainfluenza virus 3	CGM/120301-01*
		<i>Respirovirus laryngotracheitidis</i>		2		Human respirovirus 1, Human parainfluenza virus 1	CGM/120301-01
		<i>Respirovirus muris</i>		2		Murine respirovirus, Sendai virus	CGM/130329-01*
		<i>Respirovirus pneumoniae</i>		2		Human respirovirus 3, Human parainfluenza virus 3	CGM/120301-01
Peribunyaviridae	Herbevirus	viruses belonging to the genus <i>Herbevirus</i>		2	A		CGM/190715-01
	Orthobunyavirus	<i>Orthobunyavirus akabaneense</i>	Akabane virus	3	A	Akabane orthobunyavirus	CGM/131031-02*
		<i>Orthobunyavirus bunyamweraense</i>	Bunyamwera virus	2		Bunyamwera orthobunyavirus	CGM/131031-02
		<i>Orthobunyavirus lacrosseense</i>		3		La Crosse orthobunyavirus	CGM/211006-01
		<i>Orthobunyavirus schmallenbergense</i>	Schmallenberg virus, Shamonda virus	2	A	Schmallenberg orthobunyavirus, Sathuperi orthobunyavirus, Shamonda orthobunyavirus	CGM/131031-02*
		<i>Orthobunyavirus shuniense</i>	Shuni virus	2	A	Shuni orthobunyavirus	CGM/131031-02*
Permutotetraviridae		viruses belonging to the family <i>Permutotetraviridae</i>		2	A		CGM/190715-01
Phasmaviridae	Feravirus	viruses belonging to the genus <i>Feravirus</i>		2	A		CGM/190715-01
	Jonvirus	viruses belonging to the genus <i>Jonvirus</i>		2	A		CGM/190715-01
	Orthophasmavirus	viruses belonging to the genus <i>Orthophasmavirus</i>		2	A		CGM/190715-01
Phenuiviridae	Bandavirus	<i>Bandavirus dabieense</i>	severe fever with thrombocytopenia virus	4		Dabie bandavirus, Huaiyangshan virus, ssp. Severe fever with thrombocytopenia syndrome virus, SFTS phlebovirus	CGM/130502-01
	Phasivirus	<i>Phasivirus baduense</i>		2	A	Badu phasivirus	CGM/210902-01
	Phlebovirus	<i>Phlebovirus napoliense</i>	Toscana virus	2		Naples phlebovirus	CGM/180530-01
		<i>Phlebovirus riftense</i>	Rift Valley fever virus	3		Rift Valley fever phlebovirus	CGM/080313-05
		<i>Phlebovirus siciliaense</i>	Sandfly fever Sicilian virus	2		Sicilian phlebovirus	CGM/180530-01
	Uukuvirus	<i>Uukuvirus uukuniemiense</i>	Uukuniemi virus	2	A	Uukuniemi uukuvirus	CGM/131031-02*
Picornaviridae	Aphthovirus	<i>Aphthovirus burrowsi</i>		2	A	Equine rhinitis A virus	CGM/160706-01
		<i>Aphthovirus vesiculae</i>		4	A	Foot-and-mouth disease virus, Mond- en klauwzeervirus	CGM/060420-04*
	Cardiovirus	<i>Cardiovirus rueckerti</i>		2		Cardiovirus A, Encephalomyocarditis virus	CGM/120301-01
		<i>Cardiovirus theileri</i>	Saffold virus 1-11; Vilyuisk human encephalomyelitis virus	2		Cardiovirus B, Theilovirus	CGM/120301-01
		<i>Cardiovirus theileri</i>	Theiler's murine encephalomyelitis virus; Thera virus	2	A	Cardiovirus B, Theilovirus	CGM/120301-01*
	Enterovirus	<i>Enterovirus alphacoxsackie</i>	Coxsackievirus types A2-A8, A10, A12, A14, A16; Enterovirus A71	2		Enterovirus A	CGM/131031-02
		<i>Enterovirus alpharhino</i>		2		Rhinovirus A	CGM/131031-02
		<i>Enterovirus betacoxsackie</i>	Coxsackievirus A9, B1-B6; Echovirus 1-7, 9, 11-15, 17, 18, 20, 21, 24-27, 29-33; Enterovirus B69	2		Enterovirus B	CGM/131031-02

Family	Genus	Species	Virus/subgroup/strain	PC	A?	Name mentioned in COGEM advice	Advice number
Picornaviridae	Enterovirus	<i>Enterovirus betacoxsackie</i>	variant Swine vesicular disease virus	3	A	Enterovirus B, Vesiculaire varkensziektevirus	CGM/060420-04*
		<i>Enterovirus betarhino</i>		2		Rhinovirus B	CGM/131031-02
		<i>Enterovirus cerhino</i>		2		Rhinovirus C	CGM/131031-02
		<i>Enterovirus coxsackiepol</i>	Coxsackievirus A1, A11, A19, A21, A22	2		Enterovirus C	CGM/170522-03
		<i>Enterovirus coxsackiepol</i>	Coxsackievirus A13, A17, A20, A24	2		Enterovirus C	CGM/131031-02
		<i>Enterovirus coxsackiepol</i>	Poliovirus type 1 en 3	3		Enterovirus C	CGM/210916-01
		<i>Enterovirus coxsackiepol</i>	Poliovirus type 2	3		Enterovirus C	CGM/170511-01
		<i>Enterovirus deconjuncti</i>	Enterovirus D68, D70	2		Enterovirus D	CGM/131031-02
	<i>Erbovirus</i>	<i>Erbovirus aequirhi</i>		2	A	Erbovirus A, Equine rhinitis B virus 1	CGM/190412-02
	<i>Hepatovirus</i>	<i>Hepatovirus ahepa</i>		2		Hepatovirus A, Hepatitis A virus	CGM/120301-01
	<i>Kobuvirus</i>	<i>Kobuvirus aichi</i>		2		Aichivirus A, Aichi virus	CGM/131031-02
		<i>Kobuvirus bejaponia</i>	bovine kobuvirus 1; ferret kobuvirus 1; ovine kobuvirus	2	A	Aichivirus B	CGM/190412-01
	<i>Parechovirus</i>	<i>Parechovirus ahumpari</i>	human parechovirus 1-5	2		Parechovirus A	CGM/070115-01
		<i>Parechovirus beljungani</i>		2		Parechovirus B, Ljungan virus	CGM/131031-02
	<i>Senecavirus</i>	<i>Senecavirus valles</i>		3	A	Senecavirus A, Seneca Valley virus	CGM/131031-02*
	<i>Teschovirus</i>	<i>Teschovirus asilesi</i>		2	A	Teschovirus A	CGM/160706-01
Pneumoviridae	<i>Metapneumovirus</i>	<i>Metapneumovirus avis</i>		2	A	Avian metapneumovirus, Avian pneumovirus	CGM/120301-01*
		<i>Metapneumovirus hominis</i>		2		Human metapneumovirus	CGM/030205-01
	<i>Orthopneumovirus</i>	<i>Orthopneumovirus bovis</i>		2	A	Bovine orthopneumovirus, Bovine respiratory syncytial virus	CGM/131031-02*
		<i>Orthopneumovirus hominis</i>		2		Human orthopneumovirus, Respiratory syncytial virus, Human respiratory syncytial virus	CGM/120301-01
		<i>Orthopneumovirus muris</i>		2	A	Murine orthopneumovirus, Pneumonia virus of mice, Murine pneumonia virus	CGM/131031-02*
Retroviridae	<i>Alpharetrovirus</i>	<i>Alpharetrovirus avileu</i>		2	A	Avian leukosis virus	CGM/120301-01*
		<i>Alpharetrovirus avirousar</i>		2	A	Rous sarcoma virus	CGM/120301-01*
	<i>Betaretrovirus</i>	<i>Betaretrovirus maspfimon</i>		2	A	Mason-Pfizer monkey virus	CGM/210830-02
		<i>Betaretrovirus murmamtum</i>		2	A	Mouse mammary tumor virus	CGM/151013-01
	<i>Deltaretrovirus</i>	<i>Deltaretrovirus boveleu</i>		2		Bovine leukemia virus	CGM/221227-02
		<i>Deltaretrovirus priTlym1</i>		3		Primate T-lymphotropic virus 1, human T-lymphotropic virus 1	CGM/131031-02
		<i>Deltaretrovirus priTlym2</i>		3		Primate T-lymphotropic virus 2, human T-lymphotropic virus 2	CGM/131031-02
		<i>Deltaretrovirus priTlym3</i>		3		Primate T-lymphotropic virus 3, human T-lymphotropic virus 3	CGM/131031-02
	<i>Felispumavirus</i>	<i>Felispumavirus felcatfo</i>		2	A	Feline foamy virus	CGM/131031-02*
	<i>Gammaretrovirus</i>	Baboon endogenous retrovirus		2	A		CGM/210316-02
		<i>Gammaretrovirus aviretend</i>		2	A	Reticuloendotheliosis virus	CGM/171221-02
		<i>Gammaretrovirus felleu</i>		2	A	Feline leukemia virus	CGM/171221-02
		<i>Gammaretrovirus gibleu</i>		2	A	Gibbon ape leukemia virus	CGM/150529-01
		<i>Gammaretrovirus momursar</i>		2	A	Moloney murine sarcoma virus	CGM/150529-01

Family	Genus	Species	Virus/subgroup/strain	PC	A?	Name mentioned in COGEM advice	Advice number
Retroviridae	Gammaretrovirus	Gammaretrovirus murleu		2	A	Murine leukemia virus	CGM/120301-01*
	Lentivirus	Lentivirus bovimdef		2	A	Bovine immunodeficiency virus	CGM/131031-02*
		Lentivirus capartenc		2	A	Caprine arthritis encephalitis virus	CGM/140317-01*
		Lentivirus equinfane		2	A	Equine infectious anemia virus	CGM/080205-01*
		Lentivirus felimdef		2	A	Feline immunodeficiency virus	CGM/120301-01*
		Lentivirus humimdef1		3		Human immunodeficiency virus 1	CGM/120301-01
		Lentivirus humimdef2		3		Human immunodeficiency virus 2	CGM/120301-01
		Lentivirus ovivismae		2	A	Visna-maedi virus, Visna/maedi virus	CGM/140317-01*
		Lentivirus simimdef		3		Simian immunodeficiency virus	CGM/120301-01
	Simiispumavirus	Simiispumavirus chlaetfo		2		Grivet simian foamy virus, Primate foamy virus, African green monkey simian foamy virus	CGM/120301-01
		Simiispumavirus maccycfo		2		Taiwanese macaque simian foamy virus, Primate foamy virus, Macaque simian foamy virus	CGM/120301-01
		Simiispumavirus pantroschfo		2		Eastern chimpanzee simian foamy virus, Primate foamy virus, Simian foamy virus	CGM/120301-01
	unclassified	unclassified	feline endogenous virus RD-114	2	A		CGM/150529-01
Rhabdoviridae	Almendravirus	viruses belonging to the genus Almendravirus		2	A		CGM/190715-01
	Lyssavirus	Lyssavirus duvenhage		3		Duvenhage lyssavirus, Duvenhage virus	CGM/101109-03
		Lyssavirus mokola		3		Mokola lyssavirus, Mokola virus	CGM/101109-03
		Lyssavirus rabies		3		Rabies lyssavirus, Rabies virus	CGM/101109-03
		Lyssavirus rabies	vaccine strain 'ORA-DPC'	2		Rabies lyssavirus, Rabies virus	CGM/140903-03
		Lyssavirus rabies	vaccine strain 'SAD B19'	2		Rabies lyssavirus, Rabies virus	CGM/020318-06
	Novirhabdovirus	Novirhabdovirus piscine		2	A	Piscine novirhabdovirus, Viral hemorrhagic septicemia virus	CGM/181011-01
		Novirhabdovirus salmonid		2	A	Salmonid novirhabdovirus, Infectious hematopoietic necrosis virus	CGM/181011-01
	Sigmavirus	viruses belonging to the genus Sigmavirus		2	A		CGM/190715-01
	Sprivirus	Sprivirus cyprinus		2	A	Carp sprivirus, Spring viraemia of carp virus, Rhabdovirus carpio	CGM/151014-01
	Vesiculovirus	Vesiculovirus alagoas		3		Alagoas vesiculovirus, Vesicular stomatitis Alagoas virus	CGM/131031-02*
		Vesiculovirus cocal		3		Cocal vesiculovirus	CGM/220308-01
		Vesiculovirus indiana		3		Indiana vesiculovirus, Vesicular stomatitis Indiana virus	CGM/110815-03*
		Vesiculovirus newjersey		3		New Jersey vesiculovirus, Vesicular stomatitis New Jersey virus	CGM/131031-02*
Sedoreoviridae	Orbivirus	Orbivirus alphaequi		3	A	African horse sickness virus, Afrikaanse paardenpestvirus	CGM/070424-01*
		Orbivirus betaequi		3	A	Equine encephalosis virus	CGM/100712-05*
		Orbivirus caerulinguae		3	A	Bluetongue virus	CGM/061024-03*
		Orbivirus ruminantium		3	A	Epizootic hemorrhagic disease virus	CGM/100712-05*
	Rotavirus	Rotavirus alphagastroenteritidis		2		Rotavirus A	CGM/120301-01
		Rotavirus betagastroenteritidis		2		Rotavirus B	CGM/120301-01

Family	Genus	Species	Virus/subgroup/strain	PC	A?	Name mentioned in COGEM advice	Advice number
Sedoreoviridae	Rotavirus	<i>Rotavirus deltagastroenteritidis</i>		2	A	Rotavirus D	CGM/120301-01*
		<i>Rotavirus tritogastroenteritidis</i>		2		Rotavirus C	CGM/120301-01
Spinareoviridae	Cypovirus	viruses belonging to the genus <i>Cypovirus</i>		2	A		CGM/190715-01
	Dinovernavirus	viruses belonging to the genus <i>Dinovernavirus</i>		2	A		CGM/190715-01
	Idnoreovirus	viruses belonging to the genus <i>Idnoreovirus</i>		2	A		CGM/190715-01
	Orthoreovirus	<i>Orthoreovirus mammalis</i>		2		Mammalian orthoreovirus	CGM/131031-02
		<i>Orthoreovirus piscis</i>		2	A	Piscine orthoreovirus	CGM/170322-02
Tobaniviridae	Torovirus	<i>Torovirus bovis</i>		2	A	Bovine torovirus	CGM/131031-02*
		<i>Torovirus equi</i>		2	A	Equine torovirus, Berne virus	CGM/120301-01*
		<i>Torovirus suis</i>		2	A	Porcine torovirus	CGM/131031-02*
Togaviridae	Alphavirus	<i>Alphavirus barmah</i>		2		Barmah Forest virus	CGM/220217-01
		<i>Alphavirus bebaru</i>		2		Bebaru virus	CGM/220217-01
		<i>Alphavirus chikungunya</i>		3		Chikungunya virus	CGM/100304-08
		<i>Alphavirus eastern</i>		3		Eastern equine encephalitis virus	CGM/101028-04
		<i>Alphavirus getah</i>		2		Getah virus	CGM/220217-01
		<i>Alphavirus mayaro</i>		3		Mayaro virus	CGM/210902-01
		<i>Alphavirus middelburg</i>		2	A	Middelburg virus	CGM/131031-02*
		<i>Alphavirus onyong</i>		2		Onyong-nyong virus, O'nyong-nyong virus	CGM/101028-04
		<i>Alphavirus rossriver</i>		2		Ross River virus	CGM/101028-04
		<i>Alphavirus salmon</i>		2	A	Salmon pancreas disease virus	CGM/120301-01*
		<i>Alphavirus seal</i>		2	A	Southern elephant seal virus	CGM/220217-01
		<i>Alphavirus semliki</i>		2		Semliki Forest virus	CGM/120301-01
		<i>Alphavirus sindbis</i>		2		Sindbis virus	CGM/120301-01
		<i>Alphavirus una</i>		2		Una virus	CGM/220217-01
		<i>Alphavirus venezuelan</i>		3		Venezuelan equine encephalitis virus	CGM/101028-04
		<i>Alphavirus venezuelan</i>	vaccine strain 'TC-83'	2		Venezuelan equine encephalitis virus	CGM/170328-05
		<i>Alphavirus western</i>		3		Western equine encephalitis virus	CGM/101028-04
		<i>Alphavirus whataroa</i>		2		Whataroa virus	CGM/220217-01
		Taï forest alphavirus		2	A	Taï forest virus	CGM/220217-01
		viruses belonging to the taxonomical group 'Eilat virus group'		2	A		CGM/190715-01
Tymoviridae	unclassified	<i>Bombyx mori latent virus</i>		2	A		CGM/210823-02
Xinmoviridae	Anphevirus	viruses belonging to the genus <i>Anphevirus</i>		2	A		CGM/190715-01
unclassified	unclassified	chronic bee paralysis virus		2	A		CGM/210823-02
unclassified	unclassified	viruses belonging to the taxonomical group 'Negevirus'		2	A		CGM/190715-01

Table 3. Pathogenicity classification of human and animal pathogenic DNA viruses, sorted alphabetically. Species name in italics according to ICTV release 2023, V3. If the virus has been classified as a strictly animal infecting virus in the COGEM advice CGM/141216-02, this is marked with an asterisk (*) after the advice number. PC – pathogenicity class. A - strictly animal pathogen.

Species	Virus/subgroup/strain	PC	A?	Name used in COGEM advice	Advice number
<i>African swine fever virus</i>		4	A	Afrikaanse varkenspestvirus	<u>CGM/060420-04*</u>
<i>Alphapapillomavirus 1</i>		2		Human papillomavirus 32	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 2</i>		2		Human papillomavirus 10	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 3</i>		2		Human papillomavirus 61	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 4</i>		2		Human papillomavirus 2	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 5</i>		2		Human papillomavirus 26	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 6</i>		2		Human papillomavirus 53	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 7</i>		2		Human papillomavirus 18	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 8</i>		2		Human papillomavirus 7	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 9</i>		2		Human papillomavirus 16	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 10</i>		2		Human papillomavirus 6	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 11</i>		2		Human papillomavirus 34	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 13</i>		2		Human papillomavirus 54	<u>CGM/151216-02</u>
<i>Alphapapillomavirus 14</i>		2		Human papillomavirus cand90	<u>CGM/151216-02</u>
<i>Alphapolyomavirus muris</i>		2	A	Mus musculus polyomavirus 1, Murine polyomavirus	<u>CGM/130917-01*</u>
<i>Alphapolyomavirus octihominis</i>		2		Human polyomavirus 8, Trichodysplasia spinulosa-associated polyomavirus	<u>CGM/120229-01</u>
<i>Alphapolyomavirus panos</i>		2		Pan troglodytes polyomavirus 1, Chimpanzee polyomavirus	<u>CGM/130917-01</u>
<i>Alphapolyomavirus ponabelii</i>		2		Pongo abelii polyomavirus 1, Sumatran orangutan polyomavirus	<u>CGM/130917-01</u>
<i>Alphapolyomavirus ponpygmaeus</i>		2		Pongo pygmaeus polyomavirus 1, Bornean orangutan polyomavirus	<u>CGM/130917-01</u>
<i>Alphapolyomavirus quintihominis</i>		2		Human polyomavirus 5, Merkel cell polyomavirus	<u>CGM/130917-01</u>
<i>Alphatorquevirus homin1-29</i>		2		Torque teno virus 1-29	<u>CGM/120301-01</u>
<i>Aquambidensovirus asteroid1</i>		2	A	Asteroid aquambidensovirus 1	<u>CGM/211117-01</u>
<i>Aquambidensovirus decapod1</i>		2	A	Decapod aquambidensovirus 1	<u>CGM/211117-01</u>
<i>Aviadenovirus ventriculi</i>		2	A	Fowl aviadenovirus A, Fowl adenovirus A	<u>CGM/130917-01*</u>
<i>Avipoxvirus canarypox</i>		2	A	Canarypox virus	<u>CGM/130917-01*</u>
<i>Avipoxvirus canarypox</i>	vaccine strain 'ALVAC'	1	A	Canarypox virus	<u>CGM/030922-04*</u>
<i>Avipoxvirus fowlpox</i>		2	A	Fowlpox virus	<u>CGM/130917-01*</u>
<i>Avipoxvirus fowlpox</i>	vaccine strain 'TROVAC'	1	A	Fowlpox virus	<u>CGM/030519-06*</u>
<i>Barthadenovirus bosquartum</i>	bovine atadenovirus 4	2	A		<u>CGM/130606-01*</u>
<i>Betapapillomavirus 1</i>		2		Human papillomavirus 5	<u>CGM/151216-02</u>
<i>Betapapillomavirus 2</i>		2		Human papillomavirus 9	<u>CGM/151216-02</u>
<i>Betapapillomavirus 3</i>		2		Human papillomavirus 49	<u>CGM/151216-02</u>
<i>Betapapillomavirus 4</i>		2		Human papillomavirus cand92	<u>CGM/151216-02</u>
<i>Betapapillomavirus 5</i>		2		Human papillomavirus cand96	<u>CGM/151216-02</u>
<i>Betapolyomavirus hominis</i>		2		Human polyomavirus 1, BK polyomavirus	<u>CGM/120301-01</u>
<i>Betapolyomavirus macacae</i>		2		Macaca mulatta polyomavirus 1, SV40, Simian virus 40	<u>CGM/130917-01</u>
<i>Betapolyomavirus saboliviensis</i>		2		Saimiri boliviensis polyomavirus 1, Squirrel monkey polyomavirus	<u>CGM/130917-01</u>
<i>Betapolyomavirus secuhominis</i>		2		Human polyomavirus 2, JC polyomavirus	<u>CGM/120301-01</u>

Species	Virus/subgroup/strain	PC	A?	Name used in COGEM advice	Advice number
<i>Betapolyomavirus secuhominis</i>		2		Human polyomavirus 3, KI polyomavirus, Human polyomavirus 4, WU polyomavirus	CGM/130917-01
<i>Betatorquevirus homini1-12</i>		2		Torque teno mini virus 1-12	CGM/120301-01
<i>Bocaparvovirus primate1</i>	human bocavirus 1 (HBoV-1), human bocavirus 3 (HBoV-3), gorilla bocavirus 1 (GBoV-1)	2		Primate bocaparvovirus 1	CGM/180201-01
<i>Bocaparvovirus primate2</i>	human bocavirus 2 (HBoV-2), human bocavirus 4 (HBoV-4)	2		Primate bocaparvovirus 2	CGM/180201-01
<i>bovine polyomavirus 2</i>		2	A		CGM/221205-02
<i>bovine polyomavirus 3</i>		2	A		CGM/221205-02
<i>Capripoxvirus goatpox</i>		3	A	Goatpox virus, Geitenpokkenvirus, Capripoxvirus	CGM/060420-04*
<i>Capripoxvirus lumpy skinpox</i>		3	A	Lumpy skin disease virus	CGM/060420-04*
<i>Capripoxvirus sheepox</i>		3	A	Sheepox virus, Schapenpokkenvirus, Capripoxvirus	CGM/060420-04*
<i>Circovirus porcine1</i>		1	A	Porcine circovirus 1, Porcine circovirus-1	CGM/130917-01*
<i>Circovirus porcine2</i>		2	A	Porcine circovirus 2, Porcine circovirus-2	CGM/130917-01*
<i>Copiparvovirus ungulate6</i>		2	A	Equine parvovirus-H	CGM/210428-01
<i>Copiparvovirus ungulate7</i>		2	A	Eqcopivirus, Equine copiparvovirus	CGM/210428-01
<i>Copiparvovirus ungulate8</i>		2	A	Horse parvovirus-CSF	CGM/210428-01
<i>Cytomegalovirus cercopithecinebeta5</i>		2		Cercopithecine betaherpesvirus 5, Cercopithecine herpesvirus 5	CGM/120301-01
<i>Cytomegalovirus humanbeta5</i>		2		Human betaherpesvirus 5, Human cytomegalovirus, Human herpesvirus 5	CGM/120301-01
<i>Cytomegalovirus macacinebeta3</i>		2		Macacine betaherpesvirus 3, Macacine herpesvirus 3	CGM/120301-01
<i>Cytomegalovirus paninebeta2</i>		2		Panine betaherpesvirus 2, Panine herpesvirus 2	CGM/120301-01
<i>Cyavirus cyprinidallo3</i>		2	A	Cyprinid herpesvirus 3	CGM/151014-01
<i>Deltapapillomavirus 4</i>	bovine papillomavirus 1, bovine papillomavirus 2	2	A	Bovine papillomavirus 1, Bovine papillomavirus 2	CGM/210428-01
<i>Deltapolyomavirus septihominis</i>		2		Human polyomavirus 7	CGM/130917-01
<i>Deltapolyomavirus sextihominis</i>		2		Human polyomavirus 6	CGM/130917-01
<i>Dependoparvovirus mammalian1</i>		1		Adeno-associated dependoparvovirus B, Adeno-associated virus (AAV)	CGM/180321-01
<i>Dependoparvovirus primate1</i>		1		Adeno-associated dependoparvovirus A, Adeno-associated virus (AAV)	CGM/180321-01
<i>Epsilonpolyomavirus bovis</i>		2	A	Bovine polyomavirus 1	CGM/221205-02
<i>Erythroparvovirus primate1</i>		2		Primate erythroparvovirus 1, Human parvovirus B19	CGM/130917-01
<i>Gammapapillomavirus 1</i>		2		Human papillomavirus 4	CGM/151216-02
<i>Gammapapillomavirus 2</i>		2		Human papillomavirus 48	CGM/151216-02
<i>Gammapapillomavirus 3</i>		2		Human papillomavirus 50	CGM/151216-02
<i>Gammapapillomavirus 4</i>		2		Human papillomavirus 60	CGM/151216-02
<i>Gammapapillomavirus 5</i>		2		Human papillomavirus 88	CGM/151216-02
<i>Gammapapillomavirus 6</i>		2		Human papillomavirus 101	CGM/151216-02
<i>Gammapapillomavirus 7</i>		2		Human papillomavirus 109	CGM/151216-02
<i>Gammapapillomavirus 8</i>		2		Human papillomavirus 112	CGM/151216-02
<i>Gammapapillomavirus 9</i>		2		Human papillomavirus 116	CGM/151216-02
<i>Gammapapillomavirus 10</i>		2		Human papillomavirus 121	CGM/151216-02
<i>Gammapapillomavirus 11</i>		2		Human papillomavirus 126	CGM/151216-02

Species	Virus/subgroup/strain	PC	A?	Name used in COGEM advice	Advice number
<i>Gammapapillomavirus 12</i>		2		Human papillomavirus 127	CGM/151216-02
<i>Gammapapillomavirus 13</i>		2		Human papillomavirus 128	CGM/151216-02
<i>Gammapapillomavirus 14</i>		2		Human papillomavirus 131	CGM/151216-02
<i>Gammapapillomavirus 15</i>		2		Human papillomavirus 135	CGM/151216-02
<i>Gammapapillomavirus 16</i>		2		Human papillomavirus 137	CGM/151216-02
<i>Gammapapillomavirus 17</i>		2		Human papillomavirus 144	CGM/151216-02
<i>Gammapapillomavirus 18</i>		2		Human papillomavirus 156	CGM/151216-02
<i>Gammapapillomavirus 19</i>		2		Human papillomavirus 161	CGM/151216-02
<i>Gammapapillomavirus 20</i>		2		Human papillomavirus 163	CGM/151216-02
<i>Gammapolyomavirus avis</i>		2	A	Aves polyomavirus 1, Avian polyomavirus, Budgerigar fledgling disease virus	CGM/010413-03*
<i>Gammatorquevirus homidi1-15</i>		2		Torque teno midi virus 1-15	CGM/230412-03
<i>Gyrovirus chickenanemia</i>		2	A	Chicken anemia virus	CGM/130917-01*
<i>Iltoivirus gallidalpha1</i>		2	A	Gallid alphaherpesvirus 1, Infectious laryngotracheitis virus, Gallid herpesvirus 1	CGM/130917-01*
<i>Iltoivirus psittacidalpha1</i>		2	A	Psittacid alphaherpesvirus 1, Psittacid herpesvirus 1	CGM/130917-01*
<i>Iridovirus chilo1</i>		2	A	Invertebrate iridescent virus 6	CGM/160908-01
<i>Leporipoxvirus myxoma</i>		2	A	Myxoma virus	CGM/060420-04*
<i>Lymphocryptovirus humangamma4</i>		2		Human gammaherpesvirus 4, Epstein-Barr virus, Human herpesvirus 4	CGM/120301-01
<i>Mardivirus anatalalpha1</i>		2	A	Anatid alphaherpesvirus 1, Duck enteritis virus	CGM/211230-01
<i>Mardivirus gallidalpha2</i>		2	A	Gallid alphaherpesvirus 2, Marek's disease virus, Gallid herpesvirus 2, Marek's disease virustype 1	CGM/130917-01*
<i>Mardivirus gallidalpha3</i>		2	A	Gallid alphaherpesvirus 3, Gallid herpesvirus 3, Marek's disease virus type 2	CGM/161130-02
<i>Mardivirus meleagridalpha1</i>	vaccine strain 'FC-126'	1	A	Meleagrid alphaherpesvirus 1, Herpesvirus of turkeys, Marek's disease virus type 3	CGM/130917-01*
<i>Mastadenovirus adami</i>	viruses isolated from humans	2		Human mastadenovirus A, Human adenovirus A	CGM/130917-01
<i>Mastadenovirus blackbeardi</i>	viruses isolated from humans and apes	2		Human mastadenovirus B, Human adenovirus B	CGM/130917-01
<i>Mastadenovirus bostertium</i>		2	A	Bovine mastadenovirus B, Bovine adenovirus B	CGM/130917-01*
<i>Mastadenovirus caesari</i>	chimpanzee adenovirus 3	2		Pan troglodytes adenovirus 3	CGM/160906-01
<i>Mastadenovirus caesari</i>	viruses isolated from humans and apes	2		Human mastadenovirus C, Human adenovirus C	CGM/130917-01
<i>Mastadenovirus canidae</i>		2	A	Canine mastadenovirus A, Canine adenovirus A, ssp. Canine adenovirus 1/2	CGM/130917-01*
<i>Mastadenovirus chlorocebi</i>	simian adenovirus 17	2			CGM/161124-02
<i>Mastadenovirus cynocephali</i>	simian adenovirus 19	2			CGM/130606-01
<i>Mastadenovirus dominans</i>	human adenovirus 56	2			CGM/161124-02
<i>Mastadenovirus dominans</i>	viruses isolated from humans	2		Human mastadenovirus D, Human adenovirus D	CGM/130917-01
<i>Mastadenovirus exoticum</i>	chimpanzee adenovirus Y25	2			CGM/170123-01
<i>Mastadenovirus exoticum</i>	viruses isolated from humans and apes	2		Human mastadenovirus E, Human adenovirus E	CGM/130917-01
<i>Mastadenovirus faecale</i>	viruses isolated from humans	2		Human mastadenovirus F, Human adenovirus F	CGM/130917-01
<i>Mastadenovirus macacae</i>	simian adenovirus 13	2			CGM/130606-01
<i>Mastadenovirus muris</i>	murine adenovirus 2	2	A		CGM/130606-01*

Species	Virus/subgroup/strain	PC	A?	Name used in COGEM advice	Advice number
<i>Mastadenovirus porcusquartum</i>		2		Porcine mastadenovirus B, Porcine adenovirus B	CGM/230823-01
<i>Mastadenovirus porcusquintum</i>		2		Porcine mastadenovirus C, Porcine adenovirus C	CGM/230823-01
<i>Mastadenovirus porcusterium</i>		2		Porcine mastadenovirus A, Porcine adenovirus A	CGM/230823-01
<i>Mastadenovirus russelli</i>	simian adenovirus 51-53	2		Rhesus adenovirus 51-53	CGM/150615-01
<i>Mastadenovirus russelli</i>	viruses isolated from humans	2		Human mastadenovirus G, Human adenovirus G	CGM/130917-01
<i>Megalocytivirus lates1</i>		2	A	Scale drop disease virus	CGM/170322-02
<i>Megalocytivirus pagrus1</i>		2	A	Red sea bream iridovirus	CGM/170322-02
<i>Mupapillomavirus 1</i>		2		Human papillomavirus 1	CGM/151216-02
<i>Mupapillomavirus 2</i>		2		Human papillomavirus 63	CGM/151216-02
<i>Muromegalovirus muridbeta1</i>		2	A	Murid betaherpesvirus 1, Murid herpesvirus 1	CGM/151014-01
<i>Muromegalovirus muridbeta2</i>		2	A	Rat cytomegalovirus	CGM/230815-01
<i>Nupapillomavirus 1</i>		2		Human papillomavirus 41	CGM/151216-02
<i>Orthohepadnavirus hominoidei</i>		2		Hepatitis B virus	CGM/100706-01
<i>Orthohepadnavirus marmotae</i>		2	A	Woodchuck hepatitis virus	CGM/130917-01*
<i>Orthopoxvirus cowpox</i>		2		Cowpox virus	CGM/150318-01
<i>Orthopoxvirus vaccinia</i>		2		Vaccinia virus	CGM/120301-01
<i>Orthopoxvirus vaccinia</i>	vaccine strain 'MVA'; vaccine strain 'NYVAC'	1		Vaccinia virus	CGM/030519-06
<i>Orthopoxvirus vaccinia</i>	vaccine strain 'WR'	2		Vaccinia virus	CGM/030519-06
<i>Proboscivirus elephantidbeta1</i>		2	A	Elephantid betaherpesvirus 1, Elephantid herpesvirus	CGM/150902-01
<i>Protoparvovirus carnivoran1</i>		2	A	Carnivore protoparvovirus 1, Feline panleukopenia virus, Canine parvovirus	CGM/130917-01*
<i>Protoparvovirus rodent1</i>	H-1 parvovirus, minute virus of mice	2	A	Rodent protoparvovirus 1, Rodent parvovirus H-1	CGM/130917-01*
<i>Rhadinovirus bovinegamma4</i>		2	A	Bovine gammaherpesvirus 4, Bovine herpesvirus 4	CGM/130917-01*
<i>Rhadinovirus humangamma8</i>		2		Human gammaherpesvirus 8, Kaposi's sarcoma-associated herpesvirus, Human herpesvirus 8	CGM/130917-01
<i>Rhadinovirus muridgamma4</i>		2	A	Murid gammaherpesvirus 4	CGM/170824-01
<i>Rhadinovirus saimiriinegamma2</i>		2		Saimiriine gammaherpesvirus 2, Herpesvirus saimiri, Saimiriine herpesvirus 2	CGM/120301-01
<i>Roseolovirus humanbeta6a</i>		2		Human betaherpesvirus 6A	CGM/170522-03
<i>Roseolovirus humanbeta6b</i>		2		Human betaherpesvirus 6B	CGM/170522-03
<i>Roseolovirus humanbeta7</i>		2		Human betaherpesvirus 7, Human herpesvirus 7	CGM/130917-01
<i>Simplexvirus humanalpha1</i>		2		Human alphaherpesvirus 1, Herpes simplex virus 1, Human herpesvirus 1	CGM/120301-01
<i>Simplexvirus humanalpha2</i>		2		Human alphaherpesvirus 2, Herpes simplex virus 2, Human herpesvirus 2	CGM/120301-01
<i>Simplexvirus macacinealpha1</i>		3		Macacine alphaherpesvirus 1, Herpes virus B, Herpesvirus simiae, Cercopithecine herpesvirus 1, Macacine herpesvirus 1	CGM/130917-01
<i>Suipoxvirus swinepox</i>		2	A	Swinepox virus	CGM/130917-01*
<i>Varicellovirus bovinealpha1</i>		2	A	Bovine alphaherpesvirus 1, Bovine herpesvirus 1	CGM/130917-01*
<i>Varicellovirus cercopithecinealpha9</i>		2	A	Cercopithecine alphaherpesvirus 9	CGM/180824-01

Species	Virus/subgroup/strain	PC	A?	Name used in COGEM advice	Advice number
<i>Varicellovirus equidalpha1</i>		2	A	Equid alphaherpesvirus 1, Equid herpesvirus 1	CGM/150416-01
<i>Varicellovirus equidalpha4</i>		2	A	Equid alphaherpesvirus 4, Equid herpesvirus 4	CGM/160706-01
<i>Varicellovirus felidalpha1</i>		2	A	Felid alphaherpesvirus 1, Feline herpesvirus 1, Felid herpesvirus 1	CGM/120301-01*
<i>Varicellovirus humanalpha3</i>		2		Human alphaherpesvirus 3, Varicella-zoster virus, Human herpesvirus 3	CGM/130917-01
<i>Varicellovirus suidalpha1</i>		3	A	Suid alphaherpesvirus 1, Pseudorabiesvirus, Aujeszky's disease virus, Suid herpesvirus 1	CGM/070626-01*
<i>White spot syndrome virus</i>		2	A		CGM/190820-01
<i>Yatapoxvirus yabapox</i>		2		Yaba monkey tumor virus, Yaba-like disease virus	CGM/130917-01
viriforms belonging to the family <i>Polydnavirifomidae</i>		2	A		CGM/190715-01
viruses belonging to the family <i>Ascoviridae</i>		2	A		CGM/190715-01
viruses belonging to the family <i>Baculoviridae</i>		2	A		CGM/190715-01
viruses belonging to the family <i>Bidnaviridae</i>		2	A		CGM/190715-01
viruses belonging to the family <i>Hytrosaviridae</i>		2	A		CGM/190715-01
viruses belonging to the family <i>Nudiviridae</i>		2	A		CGM/190715-01
virussen behorende tot de subfamilie <i>Entomopoxvirinae</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Blattambidensovirus</i>		2	A		CGM/211117-01
viruses belonging to the genus <i>Brevihamaparvovirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Hemiambidensovirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Iteradensovirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Pefuambidensovirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Protoambidensovirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Scindoambidensovirus</i>		2	A		CGM/190715-01
unclassified	AAVpo1	1			CGM/180321-01
unclassified	AAVrh10	1			CGM/180321-01
unclassified	African green monkey polyomavirus	2			CGM/130917-01
unclassified	baboon polyomavirus 2	2			CGM/130917-01
unclassified	cynomolgus polyomavirus	2			CGM/130917-01
unclassified	gorilla bocaparvovirus 2 (GBov-2)	2			CGM/180201-01
unclassified	simian virus 12	2			CGM/130917-01
unclassified	snake adenovirus 2	2	A		CGM/161124-02
unclassified	subgroep Primate polyomaviruses	2			CGM/071127-01

Table 4. Pathogenicity classification of human and animal pathogenic RNA viruses, sorted alphabetically. Species name in italics according to ICTV release 2023, V3. If the virus has been classified as a strictly animal infecting virus in the COGEM advice CGM/141216-02, this is marked with an asterisk (*) after the advice number. PC – pathogenicity class. A - strictly animal pathogen.

Species	Subgroup/strain/type	PC	A?	Name mentioned in COGEM advice	Advice number
<i>Alphaarterivirus equid</i>		2	A	Equine arteritis virus	<u>CGM/120301-01*</u>
<i>Alphacoronavirus amsterdamense</i>		2		Human coronavirus NL63	<u>CGM/090227-03</u>
<i>Alphacoronavirus chicagoense</i>		2		Human coronavirus 229E	<u>CGM/120301-01</u>
<i>Alphacoronavirus porci</i>		2	A	Porcine epidemic diarrhea virus	<u>CGM/131031-02*</u>
<i>Alphacoronavirus suis</i>	canine coronavirus (type I en II); provisional ssp. Ferret coronavirus (ferret enteric coronavirus and ferret systemic coronavirus); porcine respiratory coronavirus; transmissible gastroenteritis virus	2	A	Alphacoronavirus 1	<u>CGM/131031-02*</u>
<i>Alphacoronavirus suis</i>	feline coronavirus (type I en II)	2	A	Alphacoronavirus 1, Feline infectious peritonitis virus	<u>CGM/010724-02*</u>
<i>Alphainfluenzavirus influenzae</i>	all influenza A viruses with the exception of several more virulent viruses (see below)	2		Influenza A virus	<u>CGM/201006-02</u>
<i>Alphainfluenzavirus influenzae</i>	HPAI H5, HPAI H7, 1918 H1N1 'Spanish flu', 1957 H2N2 'Asian flu', H7N9 viruses, and 'new' influenza A viruses with pandemic potential	3		Influenza A virus	<u>CGM/201006-02</u>
<i>Alphainfluenzavirus influenzae</i>	strain 'HongKong/1/68'	2		Influenza A virus	<u>CGM/130530-01</u>
<i>Alphainfluenzavirus influenzae</i>	strain 'Udorn/307/72'	2		Influenza A virus	<u>CGM/100830-02</u>
<i>Alphainfluenzavirus influenzae</i>	strain 'WSN/33'	2		Influenza A virus	<u>CGM/050201-01</u>
<i>Alphainfluenzavirus influenzae</i>	vaccine strain 'Port Chalmers/1/73'	2		Influenza A virus	<u>CGM/060724-03</u>
<i>Alphainfluenzavirus influenzae</i>	vaccine strain 'Puerto Rico/8/34'	2		Influenza A virus	<u>CGM/060228-02</u>
<i>Alphanodavirus flockense</i>		2	A	Flock House virus	<u>CGM/200212-01</u>
<i>Alphanodavirus nodamuraense</i>		2	A	Nodamura virus	<u>CGM/231121-01</u>
<i>Alpharetrovirus avileu</i>		2	A	Avian leukosis virus	<u>CGM/120301-01*</u>
<i>Alpharetrovirus avirousar</i>		2	A	Rous sarcoma virus	<u>CGM/120301-01*</u>
<i>Alphavirus barmah</i>		2		Barmah Forest virus	<u>CGM/220217-01</u>
<i>Alphavirus bebaru</i>		2		Bebaru virus	<u>CGM/220217-01</u>
<i>Alphavirus chikungunya</i>		3		Chikungunya virus	<u>CGM/100304-08</u>
<i>Alphavirus eastern</i>		3		Eastern equine encephalitis virus	<u>CGM/101028-04</u>
<i>Alphavirus getah</i>		2		Getah virus	<u>CGM/220217-01</u>
<i>Alphavirus mayaro</i>		3		Mayaro virus	<u>CGM/210902-01</u>
<i>Alphavirus middelburg</i>		2	A	Middelburg virus	<u>CGM/131031-02*</u>
<i>Alphavirus onyong</i>		2		Onyong-nyong virus, O'nyong-nyong virus	<u>CGM/101028-04</u>
<i>Alphavirus rossriver</i>		2		Ross River virus	<u>CGM/101028-04</u>
<i>Alphavirus salmon</i>		2	A	Salmon pancreas disease virus	<u>CGM/120301-01*</u>
<i>Alphavirus seal</i>		2	A	Southern elephant seal virus	<u>CGM/220217-01</u>
<i>Alphavirus semliki</i>		2		Semliki Forest virus	<u>CGM/120301-01</u>
<i>Alphavirus sindbis</i>		2		Sindbis virus	<u>CGM/120301-01</u>
<i>Alphavirus una</i>		2		Una virus	<u>CGM/220217-01</u>
<i>Alphavirus venezuelan</i>		3		Venezuelan equine encephalitis virus	<u>CGM/101028-04</u>
<i>Alphavirus venezuelan</i>	vaccine strain 'TC-83'	2		Venezuelan equine encephalitis virus	<u>CGM/170328-05</u>

Species	Subgroup/strain/type	PC	A?	Name mentioned in COGEM advice	Advice number
<i>Alphavirus western</i>		3		Western equine encephalitis virus	CGM/101028-04
<i>Alphavirus whataroa</i>		2		Whataroa virus	CGM/220217-01
<i>Aparavirus tauraense</i>		2	A	Taura syndrome virus	CGM/201030-02
<i>Aphthovirus burrowsi</i>		2	A	Equine rhinitis A virus	CGM/160706-01
<i>Aphthovirus vesiculae</i>		4	A	Foot-and-mouth disease virus, Mond-en klauwzeervirus	CGM/060420-04*
<i>Avibirnavirus gumboroense</i>		2	A	Infectious bursal disease virus, Ziekte van Gumborovirus	CGM/131031-02*
<i>Baboon endogenous retrovirus</i>		2	A		CGM/210316-02
<i>Bandavirus dabieense</i>	severe fever with thrombocytopenia virus	4		Dabie bandavirus, Huaiyangshan virus, ssp. Severe fever with thrombocytopenia syndrome virus, SFTS phlebovirus	CGM/130502-01
Bat Influenza A virus H17N10		2	A		CGM/210618-02
Bat Influenza A virus H18N11		2	A		CGM/210618-02
<i>Betaarterivirus americense</i>		2	A	Betaarterivirus suid 2, Porcine reproductive and respiratory syndrome virus 2	CGM/151214-01
<i>Betaarterivirus europensis</i>		2	A	Betaarterivirus suid 1, Lelystadvirus, Porcine reproductive and respiratory syndrome virus, Porcine reproductive and respiratory syndrome virus 1	CGM/151214-01*
<i>Betacoronavirus cameli</i>		3		Middle East respiratory syndrome-related coronavirus, HCoV EMC, MERS-coronavirus	CGM/130822-01
<i>Betacoronavirus gravedinis</i>	bovine coronavirus; equine coronavirus; porcine hemagglutinating encephalomyelitis virus; rabbit coronavirus HKU14	2	A	Betacoronavirus 1	CGM/131031-02*
<i>Betacoronavirus gravedinis</i>	human coronavirus OC43	2		Betacoronavirus 1	CGM/120301-01
<i>Betacoronavirus hongkongense</i>		2		Human coronavirus HKU1	CGM/090227-03
<i>Betacoronavirus muris</i>		2	A	Murine coronavirus, Mouse hepatitis virus	CGM/120301-01*
<i>Betacoronavirus pandemicum</i>		3		Severe acute respiratory syndrome-related coronavirus	CGM/030429-01
<i>Betacoronavirus pandemicum</i>	severe acute respiratory syndrome coronavirus 2	3		Severe acute respiratory syndrome-related coronavirus, SARS-CoV-2	CGM/200211-01
<i>Betacoronavirus pandemicum</i>	severe acute respiratory syndrome coronavirus 2 varianten Alpha, Beta, Gamma, Delta, Epsilon, Zeta, Eta, Iota, Theta, Kappa, Lambda, Mu, Omicron, oorspronkelijke haplotypen van SARS-CoV-2 (Pango lineage A en B; Nextstrain 19A, 19B, 20A, 20B, 20C, 20D, 20E, 20G)	2			CGM/241210-01
<i>Betacoronavirus pandemicum</i>	stam Bat coronavirus BM48-31/BGR/2008, stam Bat coronavirus BtKY72, stam Bat coronavirus Cp/Yunnan2011, stam Bat coronavirus RaTG13, stam Bat coronavirus Rf1, stam Bat coronavirus Rs4081, stam Bat coronavirus SHC014, stam Bat coronavirus WIV1, stam Pangolin coronavirus Pangolin BetaCoV Guandong2019	3		Severe acute respiratory syndrome-related coronavirus	CGM/230502-01
<i>Betainfluenzavirus influenzae</i>		2		Influenza B virus	CGM/130118-01
<i>Betanodavirus epinepheli</i>		2	A	Redspotted grouper nervous necrosis virus	CGM/170322-02
<i>Betanodavirus pseudocarangis</i>		2	A	Striped jack nervous necrosis virus	CGM/120301-01*
<i>Betanodavirus takifugui</i>		2	A	Tiger puffer nervous necrosis virus	CGM/170322-02

Species	Subgroup/strain/type	PC	A?	Name mentioned in COGEM advice	Advice number
<i>Betanodavirus verasperii</i>		2	A	Barfin flounder nervous necrosis virus	CGM/170322-02
<i>Betaretrovirus maspfimon</i>		2	A	Mason-Pfizer monkey virus	CGM/210830-02
<i>Betaretrovirus murmamtum</i>		2	A	Mouse mammary tumor virus	CGM/151013-01
Binjari virus		2	A		CGM/201210-02
<i>Bombyx mori latent virus</i>		2	A		CGM/210823-02
<i>Cardiovirus rueckerti</i>		2		Cardiovirus A, Encephalomyocarditis virus	CGM/120301-01
<i>Cardiovirus theileri</i>	Saffold virus 1-11; Vilyuisk human encephalomyelitis virus	2		Cardiovirus B, Theilovirus	CGM/120301-01
<i>Cardiovirus theileri</i>	Theiler's murine encephalomyelitis virus; Thera virus	2	A	Cardiovirus B, Theilovirus	CGM/120301-01*
Chronic bee paralysis virus		2	A		CGM/210823-02
<i>Deltaarterivirus hemfev</i>		2	A	Simian hemorrhagic fever virus	CGM/120301-01*
<i>Deltacoronavirus suis</i>		2	A	Coronavirus HKU15, Porcine deltacoronavirus	CGM/200915-01
<i>Deltainfluenzavirus influenzae</i>		2	A		CGM/231018-01
<i>Deltaretrovirus bovine</i>		2		Bovine leukemia virus	CGM/221227-02
<i>Deltaretrovirus priTlym1</i>		3		Primate T-lymphotropic virus 1, human T-lymphotropic virus 1	CGM/131031-02
<i>Deltaretrovirus priTlym2</i>		3		Primate T-lymphotropic virus 2, human T-lymphotropic virus 2	CGM/131031-02
<i>Deltaretrovirus priTlym3</i>		3		Primate T-lymphotropic virus 3, human T-lymphotropic virus 3	CGM/131031-02
<i>Deltavirus italiense</i>		2		Hepatitis D virus	CGM/100707-01
Diaphorina citri picorna-like virus		2	A		CGM/221114-01
<i>Enterovirus alphacoxsackie</i>	Coxsackievirus types A2-A8, A10, A12, A14, A16; Enterovirus A71	2		Enterovirus A	CGM/131031-02
<i>Enterovirus alpharhino</i>		2		Rhinovirus A	CGM/131031-02
<i>Enterovirus betacoxsackie</i>	Coxsackievirus A9, B1-B6; Echovirus 1-7, 9, 11-15, 17, 18, 20, 21, 24-27, 29-33; Enterovirus B69	2		Enterovirus B	CGM/131031-02
<i>Enterovirus betacoxsackie</i>	variant Swine vesicular disease virus	3	A	Enterovirus B, Vesiculaire varkensziektevirus	CGM/060420-04*
<i>Enterovirus betarhino</i>		2		Rhinovirus B	CGM/131031-02
<i>Enterovirus cerhino</i>		2		Rhinovirus C	CGM/131031-02
<i>Enterovirus coxsackiepol</i>	Coxsackievirus A1, A11, A19, A21, A22	2		Enterovirus C	CGM/170522-03
<i>Enterovirus coxsackiepol</i>	Coxsackievirus A13, A17, A20, A24	2		Enterovirus C	CGM/131031-02
<i>Enterovirus coxsackiepol</i>	Poliovirus type 1 en 3	3		Enterovirus C	CGM/210916-01
<i>Enterovirus coxsackiepol</i>	Poliovirus type 2	3		Enterovirus C	CGM/170511-01
<i>Enterovirus deconjuncti</i>	Enterovirus D68, D70	2		Enterovirus D	CGM/131031-02
<i>Epsilonarterivirus hemcep</i>		2	A	Simian hemorrhagic encephalitis virus	CGM/151214-01
<i>Erbovirus aequirhi</i>		2	A	Erbovirus A, Equine rhinitis B virus 1	CGM/190412-02
<i>Etaarterivirus ugarco</i>		2	A	Etaarterivirus ugarco 1, Kibale red colobus virus 2	CGM/151214-01
<i>Felispuumavirus felcatfo</i>		2	A	Feline foamy virus	CGM/131031-02*
<i>Gammaarterivirus lacdeh</i>		2	A	Lactate dehydrogenase-elevating virus	CGM/120301-01*
<i>Gammacoronavirus delphinapteri</i>	bottlenose dolphin coronavirus	2	A		CGM/190412-03
<i>Gammacoronavirus delphinapteri</i>		2	A	Beluga whale coronavirus SW1	CGM/190412-03
<i>Gammacoronavirus galli</i>		2	A	Avian coronavirus, Infectious bronchitis virus	CGM/120104-01*

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<i>Gammmainfluenzavirus influenzae</i>		2		Influenza C virus	CGM/131031-02
<i>Gammaretrovirus aviretend</i>		2	A	Reticuloendotheliosis virus	CGM/171221-02
<i>Gammaretrovirus felleu</i>		2	A	Feline leukemia virus	CGM/171221-02
<i>Gammaretrovirus gibleu</i>		2	A	Gibbon ape leukemia virus	CGM/150529-01
<i>Gammaretrovirus momursar</i>		2	A	Moloney murine sarcoma virus	CGM/150529-01
<i>Gammaretrovirus murleu</i>		2	A	Murine leukemia virus	CGM/120301-01*
<i>Henipavirus hendraense</i>		4		Hendra henipavirus, Hendra virus	CGM/160706-01
<i>Henipavirus nipahense</i>		4		Nipah henipavirus, Nipah virus	CGM/160706-01
<i>Hepacivirus hominis</i>		2		Hepacivirus C, Hepatitis C virus	CGM/170224-02
<i>Hepatovirus ahepa</i>		2		Hepatovirus A, Hepatitis A virus	CGM/120301-01
<i>Iotaarterivirus debrazzo</i>		2	A	DeBrazza's monkey arterivirus	CGM/151214-01
<i>Iotaarterivirus kibreg</i>		2	A	Iotaarterivirus kibreg 1, Kibale red-tailed guenon virus, Kibale red-tailed guenon virus 1	CGM/151214-01
<i>Iotaarterivirus pejah</i>		2	A	Pebjah virus	CGM/151214-01
<i>Isavirus salaris</i>		2	A	Salmon isavirus, Infectious salmon anemia virus	CGM/170322-02
<i>Kappaarterivirus wobum</i>		2	A	Wobbly possum disease virus	CGM/151214-01
<i>Kobuvirus aichi</i>		2		Aichivirus A, Aichi virus	CGM/131031-02
<i>Kobuvirus bejaponia</i>	bovine kobuvirus 1; ferret kobuvirus 1; ovine kobuvirus	2	A	Aichivirus B	CGM/190412-01
<i>Lagovirus europaeus</i>		2	A	Rabbit hemorrhagic disease virus, Viraal hemorrhagisch syndroom van konijnen virus	CGM/060420-04*
<i>Lambdaarterivirus afriporav</i>		2	A	African pouched rat arterivirus 1, Forest pouched giant rat arterivirus, African pouched rat arterivirus	CGM/151214-01
<i>Lentivirus bovimdef</i>		2	A	Bovine immunodeficiency virus	CGM/131031-02*
<i>Lentivirus capartenc</i>		2	A	Caprine arthritis encephalitis virus	CGM/140317-01*
<i>Lentivirus equinfane</i>		2	A	Equine infectious anemia virus	CGM/080205-01*
<i>Lentivirus felimdef</i>		2	A	Feline immunodeficiency virus	CGM/120301-01*
<i>Lentivirus humimdef1</i>		3		Human immunodeficiency virus 1	CGM/120301-01
<i>Lentivirus humimdef2</i>		3		Human immunodeficiency virus 2	CGM/120301-01
<i>Lentivirus ovivismae</i>		2	A	Visna-maedi virus, Visna/maedi virus	CGM/140317-01*
<i>Lentivirus simimdef</i>		3		Simian immunodeficiency virus	CGM/120301-01
<i>Lyssavirus duvenhage</i>		3		Duvenhage lyssavirus, Duvenhage virus	CGM/101109-03
<i>Lyssavirus mokola</i>		3		Mokola lyssavirus, Mokola virus	CGM/101109-03
<i>Lyssavirus rabies</i>		3		Rabies lyssavirus, Rabies virus	CGM/101109-03
<i>Lyssavirus rabies</i>	vaccine strain 'ORA-DPC'	2		Rabies lyssavirus, Rabies virus	CGM/140903-03
<i>Lyssavirus rabies</i>	vaccine strain 'SAD B19'	2		Rabies lyssavirus, Rabies virus	CGM/020318-06
<i>Mamastrovirus hominis</i>		2		Mamastrovirus 1, Human Astrovirus serotype 1-8	CGM/230815-03
<i>Mamastrovirus homustovis</i>		2		Mamastrovirus 8	CGM/230925-02
<i>Mamastrovirus melbournense</i>		2		Mamastrovirus 6	CGM/230925-02
<i>Mamastrovirus virginiaense</i>		2		Mamastrovirus 9	CGM/230925-02
<i>Mammarenavirus braziliense</i>		4		Brazilian mammarenavirus	CGM/230412-02
<i>Mammarenavirus caliense</i>		2		Cali mammarenavirus, Pichinde virus	CGM/190703-03
<i>Mammarenavirus chapareense</i>		4		Chapare mammarenavirus	CGM/230412-02
<i>Mammarenavirus choriomeningitidis</i>		3		Lymphocytic choriomeningitis mammarenavirus, Lymphocytic choriomeningitis virus	CGM/160513-01
<i>Mammarenavirus choriomeningitidis</i>	strain Armstrong; strain Docile; strain WE	2		Lymphocytic choriomeningitis mammarenavirus	CGM/160513-01

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<i>Mammarenavirus guanaritoense</i>		4		Guanarito mammarenavirus	CGM/230412-02
<i>Mammarenavirus juninense</i>		4		Argentinian mammarenavirus, Junín virus, Junín mammarenavirus	CGM/131031-02
<i>Mammarenavirus lassaense</i>		4		Lassa mammarenavirus, Lassa virus	CGM/131031-02
<i>Mammarenavirus lujoense</i>		4		Lujo mammarenavirus	CGM/230412-02
<i>Mammarenavirus machupoense</i>		4		Machupo mammarenavirus, Machupo virus	CGM/131031-02
<i>Mammarenavirus tacaribeense</i>		2	A	Tacaribe mammarenavirus, Tacaribe virus	CGM/131031-02*
<i>Mammarenavirus whitewaterense</i>		4		Whitewater arroyo mammarenavirus	CGM/230412-02
<i>Metaavulavirus delawarensis</i>		2	A	Avian metaavulavirus 8, Avian paramyxovirus 8	CGM/131031-02*
<i>Metaavulavirus hongkongense</i>		2	A	Avian metaavulavirus 6, Avian paramyxovirus 6	CGM/131031-02*
<i>Metaavulavirus kunitachiense</i>		2	A	Avian metaavulavirus 5, Avian paramyxovirus 5	CGM/131031-02*
<i>Metaavulavirus tennessense</i>		2	A	Avian metaavulavirus 7, Avian paramyxovirus 7	CGM/131031-02*
<i>Metaavulavirus yucaipaense</i>		2	A	Avian metaavulavirus 2, Avian paramyxovirus 2	CGM/131031-02*
<i>Metapneumovirus avis</i>		2	A	Avian metapneumovirus, Avian pneumovirus	CGM/120301-01*
<i>Metapneumovirus hominis</i>		2		Human metapneumovirus	CGM/030205-01
<i>Morbillivirus canis</i>		2	A	Canine morbillivirus, Canine distemper virus	CGM/100616-01*
<i>Morbillivirus caprinae</i>		3	A	Small ruminant morbillivirus, Peste-des-petits-ruminants virus	CGM/060420-04*
<i>Morbillivirus hominis</i>		2		Measles morbillivirus, Mazelen, Measles virus	CGM/121206-01
<i>Morbillivirus pecoris</i>		4	A	Rinderpest morbillivirus, Rinderpestvirus, Runderpestvirus	CGM/170510-02*
<i>Morbillivirus phocae</i>		2	A	Phocine morbillivirus, Phocine distemper virus	CGM/131202-01*
<i>Morbillivirus phyllostomi</i>		3		Phyllostomus bat morbillivirus	CGM/230615-01
<i>Morbillivirus suis</i>		3		Porcine morbillivirus	CGM/230615-01
<i>Norovirus norwalkense</i>		2		Norwalk virus	CGM/131031-02
<i>Novirhabdovirus piscine</i>		2	A	Piscine novirhabdovirus, Viral hemorrhagic septicemia virus	CGM/181011-01
<i>Novirhabdovirus salmonid</i>		2	A	Salmonid novirhabdovirus, Infectious hematopoietic necrosis virus	CGM/181011-01
<i>Orbivirus alphaequi</i>		3	A	African horse sickness virus, Afrikaanse paardenpestvirus	CGM/070424-01*
<i>Orbivirus betaequi</i>		3	A	Equine encephalosis virus	CGM/100712-05*
<i>Orbivirus caerulinguae</i>		3	A	Bluetongue virus	CGM/061024-03*
<i>Orbivirus ruminantium</i>		3	A	Epizootic hemorrhagic disease virus	CGM/100712-05*
Orsay virus		2	A		CGM/210902-01
<i>Orthoavulavirus javaense</i>	lentogenic NDV strains, provided that they meet two preconditions: monobasic cleavage site, and ICPI <0.7	2	A	Avian orthoavulavirus 1, O.a. LaSota en Clone 30	CGM/201202-02
<i>Orthoavulavirus javaense</i>		3	A	Avian orthoavulavirus 1, Pseudovogelpest virus, Newcastle disease virus	CGM/020318-06*
<i>Orthoavulavirus newyorkense</i>		2	A	Avian orthoavulavirus 9, Avian paramyxovirus 9	CGM/131031-02*
<i>Orthobunyavirus akabaneense</i>	Akabane virus	3	A	Akabane orthobunyavirus	CGM/131031-02*
<i>Orthobunyavirus bunyamweraense</i>	Bunyamwera virus	2		Bunyamwera orthobunyavirus	CGM/131031-02
<i>Orthobunyavirus lacrosseense</i>		3		La Crosse orthobunyavirus	CGM/211006-01

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<i>Orthobunyavirus schmallenbergense</i>	Schmallenberg virus, Shamonda virus	2	A	Schmallenberg orthobunyavirus, Sathuperi orthobunyavirus, Shamonda orthobunyavirus	CGM/131031-02*
<i>Orthobunyavirus shuniense</i>	Shuni virus	2	A	Shuni orthobunyavirus	CGM/131031-02*
<i>Orthoebolavirus restonense</i>		4		Reston ebolavirus	CGM/120301-01
<i>Orthoebolavirus sudanense</i>		4		Sudan ebolavirus	CGM/120301-01
<i>Orthoebolavirus taiense</i>		4		Tai Forest ebolavirus	CGM/120301-01
<i>Orthoebolavirus zaireense</i>		4		Zaire ebolavirus	CGM/120301-01
<i>Orthoflavivirus bagazaense</i>		2	A	Bagaza virus	CGM/210118-03
<i>Orthoflavivirus denguei</i>		3		Dengue virus	CGM/050615-01
<i>Orthoflavivirus denguei</i>	vaccine strain DENV-2 PDK-53	2			CGM/240404-01
<i>Orthoflavivirus encephalitis</i>	European subtype; Far Eastern subtype; Siberian subtype	3		Tick-borne encephalitis virus	CGM/131031-02
<i>Orthoflavivirus flavi</i>	n.a.	3		Yellow fever virus	CGM/050615-01
<i>Orthoflavivirus flavi</i>	vaccine strain 'YF-17D'	2		Yellow fever virus	CGM/050615-01
<i>Orthoflavivirus israelense</i>		2	A	Israel turkey meningoencephalomyelitis virus	CGM/210118-03
<i>Orthoflavivirus japonicum</i>		3		Japanese encephalitis virus	CGM/120301-01
<i>Orthoflavivirus modocense</i>		2		Modoc virus	CGM/150902-01
<i>Orthoflavivirus nilense</i>		3		West Nile virus	CGM/030930-04
<i>Orthoflavivirus tembusu</i>		2	A	Tembusu virus	CGM/210118-03
<i>Orthoflavivirus usutuense</i>		2		Usutu virus	CGM/180827-01
<i>Orthoflavivirus yokoseense</i>		3	A	Yokose virus	CGM/090119-04*
<i>Orthoflavivirus zikaense</i>		3		Zika virus	CGM/160307-01
<i>Orthohantavirus sinnombreense</i>		3		Sin Nombre orthohantavirus	CGM/210830-01
<i>Orthohantavirus tulaense</i>		2		Tula orthohantavirus	CGM/211006-01
<i>Orthomareburgvirus marburgense</i>		4		Marburg marburgvirus, Lake Victoria marburgvirus, Marburgvirus	CGM/120301-01
<i>Orthonairovirus haemorrhagiae</i>	Crimean-Congo hemorrhagic fever virus	4		Crimean-Congo hemorrhagic fever orthonairovirus, Crimean-Congo hemorrhagic fever nairovirus (species)	CGM/110321-01
<i>Orthopneumovirus bovis</i>		2	A	Bovine orthopneumovirus, Bovine respiratory syncytial virus	CGM/131031-02*
<i>Orthopneumovirus hominis</i>		2		Human orthopneumovirus, Respiratory syncytial virus, Human respiratory syncytial virus	CGM/120301-01
<i>Orthopneumovirus muris</i>		2	A	Murine orthopneumovirus, Pneumonia virus of mice, Murine pneumonia virus	CGM/131031-02*
<i>Orthoreovirus mammalis</i>		2		Mammalian orthoreovirus	CGM/131031-02
<i>Orthoreovirus piscis</i>		2	A	Piscine orthoreovirus	CGM/170322-02
<i>Orthorubulavirus hominis</i>		2		Human orthorubulavirus 4, Human parainfluenza virus 4	CGM/120301-01
<i>Orthorubulavirus laryngotracheitidis</i>		2		Human orthorubulavirus 2, Human parainfluenza virus 2	CGM/120301-01
<i>Orthorubulavirus mammalis</i>		2	A	Mammalian orthorubulavirus 5, Parainfluenza virus 5	CGM/120301-01*
<i>Orthorubulavirus parotitidis</i>		2		Mumps orthorubulavirus, Bof, Mumps virus	CGM/130528-01
<i>Paraavulavirus hongkongense</i>		2	A	Avian paraavulavirus 4, Avian paramyxovirus 4	CGM/131031-02*
<i>Paraavulavirus wisconsinense</i>		2	A	Avian paraavulavirus 3, Avian paramyxovirus 3	CGM/131031-02*
<i>Parechovirus ahumpani</i>	human parechovirus 1-5	2		Parechovirus A	CGM/070115-01
<i>Parechovirus beljungani</i>		2		Parechovirus B, Ljungan virus	CGM/131031-02
<i>Paslahepevirus balayani</i>	hepatitis E virus-1 and -2	2		Orthohepevirus A	CGM/131031-02

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<i>Paslahepevirus balayani</i>	hepatitis E virus-3 and -4	2		Orthohepevirus A	CGM/121221-01
<i>Pestivirus australiaense</i>	Bungowannah virus	3	A	Pestivirus F	CGM/160331-01
<i>Pestivirus bovis</i>		2	A	Pestivirus A, Bovine viral diarrhea virus 1	CGM/070626-03*
<i>Pestivirus ovis</i>		2	A	Pestivirus D, Border disease virus	CGM/131031-02*
<i>Pestivirus scrofae</i>	atypical porcine pestivirus	2	A	Pestivirus K	CGM/170302-01
<i>Pestivirus suis</i>		4	A	Pestivirus C, Klassieke varkenspestivirus, Hog cholera virus, Classical swine fever virus	CGM/070626-03*
<i>Pestivirus tauri</i>		2	A	Pestivirus B, Bovine viral diarrhea virus 2	CGM/070626-03*
<i>Phasivirus baduense</i>		2	A	Badu phasivirus	CGM/210902-01
<i>Phlebovirus napolienne</i>	Toscana virus	2		Naples phlebovirus	CGM/180530-01
<i>Phlebovirus riftense</i>	Rift Valley fever virus	3		Rift Valley fever phlebovirus	CGM/080313-05
<i>Phlebovirus siciliense</i>	Sandfly fever Sicilian virus	2		Sicilian phlebovirus	CGM/180530-01
<i>Respirovirus bovis</i>		2	A	Bovine respirovirus 3, Bovine parainfluenza virus 3	CGM/120301-01*
<i>Respirovirus laryngotracheitidis</i>		2		Human respirovirus 1, Human parainfluenza virus 1	CGM/120301-01
<i>Respirovirus muris</i>		2	A	Murine respirovirus, Sendai virus	CGM/130329-01*
<i>Respirovirus pneumoniae</i>		2		Human respirovirus 3, Human parainfluenza virus 3	CGM/120301-01
<i>Rotavirus alphagastroenteritidis</i>		2		Rotavirus A	CGM/120301-01
<i>Rotavirus betagastroenteritidis</i>		2		Rotavirus B	CGM/120301-01
<i>Rotavirus deltagastroenteritidis</i>		2	A	Rotavirus D	CGM/120301-01*
<i>Rotavirus tritogastroenteritidis</i>		2		Rotavirus C	CGM/120301-01
<i>Rubivirus rubellae</i>		2		Rubella virus	CGM/131031-02
<i>Sapovirus sapporoense</i>		2		Sapporo virus	CGM/131031-02
<i>Senecavirus valles</i>		3	A	Senecavirus A, Seneca Valley virus	CGM/131031-02*
<i>Simiispumavirus chlaetfo</i>		2		Grivet simian foamy virus, Primate foamy virus, African green monkey simian foamy virus	CGM/120301-01
<i>Simiispumavirus maccycfo</i>		2		Taiwanese macaque simian foamy virus, Primate foamy virus, Macaque simian foamy virus	CGM/120301-01
<i>Simiispumavirus pantroschfo</i>		2		Eastern chimpanzee simian foamy virus, Primate foamy virus, Simian foamy virus	CGM/120301-01
<i>Sprivirus cyprinus</i>		2	A	Carp sprivirus, Spring viraemia of carp virus, Rhabdovirus carpio	CGM/151014-01
swine acute diarrhea syndrome coronavirus		2	A	Swine enteric alphacoronavirus, Porcine enteric alphacoronavirus	CGM/210428-01
Tai forest alphavirus		2	A	Tai forest virus	CGM/220217-01
<i>Teschovirus asilesi</i>		2	A	Teschovirus A	CGM/160706-01
<i>Thetaarterivirus mikelba</i>		2	A	Thetaarterivirus mikelba 1, Mikumi yellow baboon virus 1	CGM/151214-01
<i>Tilapinevirus tilapiae</i>		2	A	Tilapia lake virus, Tilapia tilapinevirus	CGM/170322-02
<i>Torovirus bovis</i>		2	A	Bovine torovirus	CGM/131031-02*
<i>Torovirus equi</i>		2	A	Equine torovirus, Berne virus	CGM/120301-01*
<i>Torovirus suis</i>		2	A	Porcine torovirus	CGM/131031-02*
<i>Uukuvirus uukuniemiense</i>	Uukuniemi virus	2	A	Uukuniemi uukuvirus	CGM/131031-02*
<i>Vesiculovirus alagoas</i>		3	A	Alagoas vesiculovirus, Vesicular stomatitis Alagoas virus	CGM/131031-02*
<i>Vesiculovirus cocal</i>		3		Cocal vesiculovirus	CGM/220308-01
<i>Vesiculovirus indiana</i>		3	A	Indiana vesiculovirus, Vesicular stomatitis Indiana virus	CGM/110815-03*

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<i>Vesiculovirus newjersey</i>		3	A	New Jersey vesiculovirus, Vesicular stomatitis New Jersey virus	CGM/131031-02*
<i>Vesivirus exanthema</i>		2	A	Vesicular exanthema of swine virus	CGM/060420-04*
<i>Vesivirus felis</i>		2	A	Feline calicivirus	CGM/131031-02*
<i>Zetaarterivirus ugarco</i>		2	A	Zetaarterivirus ugarco 1, Kibale red colobus virus 1	CGM/151214-01
viruses belonging to the family <i>Alphatetraviridae</i>		2	A		CGM/190715-01
viruses belonging to the family <i>Dicistroviridae</i>		2	A		CGM/190715-01
viruses belonging to the family <i>Iflaviridae</i>		2	A		CGM/190715-01
viruses belonging to the family <i>Mesoniviridae</i>		2	A		CGM/190715-01
viruses belonging to the family <i>Permutotetraviridae</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Almendravirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Anphevirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Cypovirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Dinovernavirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Entomobirnavirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Feravirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Herbevirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Idnoreovirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Jonvirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Orthonoravirus</i>		2	A	virussen behorende tot de taxonomische groep 'Noravirus'	CGM/190715-01
viruses belonging to the genus <i>Orthophasmavirus</i>		2	A		CGM/190715-01
viruses belonging to the genus <i>Sigmavirus</i>		2	A		CGM/190715-01
viruses belonging to the taxonomical group 'classical insect-specific flaviviruses' (CISFs)		2	A		CGM/190715-01
viruses belonging to the taxonomical group 'Eilat virus group'		2	A		CGM/190715-01
viruses belonging to the taxonomical group 'Negevirus'		2	A		CGM/190715-01
unclassified	AejapNV1	2	A		CGM/230412-01
unclassified	cell fusing agent virus	2	A		CGM/170510-01*
unclassified	CxNV1	2	A		CGM/230412-01
unclassified	feline endogenous virus RD-114	2	A		CGM/150529-01
unclassified	turbot betanodavirus	2	A		CGM/170322-02