

Virus name*	Virus abbrev. (Fig. 1)	Acc. no. (genome)	Genome (nt)	RdRp (aa)	UGA no.†	UGG no.	%Trp=UGA	%Trp=UGG	Stop codon
Cryphonectria parasitica mitovirus 1	CpMV1	L31849	2728	809	9	8	53	47	UAA
Cryphonectria cubensis mitovirus 1a		AY328476	2555	744	20	14	59	41	UAA
Cryphonectria cubensis mitovirus 1b	CcMV1b	AY328477	2601	744	16	9	64	36	UAA
Cryphonectria cubensis mitovirus 1c		AY328478	2501	744	20	14	59	41	UAA
Ophiostoma novo-ulmi mitovirus 3a	OnuMV3a	AJ004930	2617	718	12	3	80	20	UAA
Ophiostoma novo-ulmi mitovirus 4	OnuMV4	A1132754	2599	783	11	2	85	15	UAA
Ophiostoma novo-ulmi mitovirus 5	OnuMV5	A1132755	2474	729	8	0	100	0	UAG
Ophiostoma novo-ulmi mitovirus 6	OnuMV6	A1132756	2343	695	7	2	78	22	UAA
Ophiostoma novo-ulmi mitovirus 1a	OnuMV1a	AM087548	3147	782	8	4	67	33	UAA
Ophiostoma novo-ulmi mitovirus 1b	OnuMV1b	AM087549	2572	776	9	6	60	40	UAG
Ophiostoma novo-ulmi mitovirus 3b	OnuMV3b	AM087550	2332	738	11	1	92	8	UAA
Ophiostoma novo-ulmi mitovirus 1c		KF026355	3107	788	13	3	81	19	UAG
Ophiostoma novo-ulmi mitovirus 7	OnuMV7	KF031943	2804	720	3	4	43	57	UAA
Buergenerula spartinae mitovirus 1	BsMV1	KJ485703	2735	809	16	6	73	37	UAA
Fusarium circinatum mitovirus 1	FciMV1	KF803546	2419	731	12	1	92	8	UAG
Fusarium circinatum mitovirus 2-1	FciMV2-1	KF803547	2193	724	11	1	92	8	UAG
Fusarium globosum mitovirus 1	FgMV1	LC006128	2414	717	13	2	87	13	UAG
Fusarium coeruleum mitovirus 1	FcoMV1	LC006129	2423	757	13	3	81	19	UAG
Fusarium poae mitovirus 1	FpMV1	LC150564	2397	726	12	1	92	8	UAA
Fusarium poae mitovirus 2	FpMV2	LC150565	2414	764	10	3	77	23	UAG
Fusarium poae mitovirus 3	FpMV3	LC150566	2718	789	16	1	94	6	UAG
Fusarium poae mitovirus 4	FpMV4	LC150567	2387	689	6	3	67	33	UAG
Thielaviopsis basicola mitovirus	TbMV	AY563138	2896	705	10	2	83	17	UAG
Thielaviopsis basicola mitovirus		DQ173015	2896	705	10	2	83	17	UAG
Botrytis cinerea mitovirus 1		EF580100	2804	738	11	2	85	15	UAA
Botrytis cinerea mitovirus 1	BcMV1	LN827940	2873	738	10	2	83	17	UAA
Botrytis cinerea mitovirus 2	BcMV2	LN827941	2497	710	11	0	100	0	UAA
Botrytis cinerea mitovirus 3	BcMV3	LN827942	2922	786	11	2	85	15	UAG
Botrytis cinerea mitovirus 1		LN827944	2820	738	11	1	92	8	UAA
Botrytis cinerea mitovirus 2		LN827945	2496	710	11	0	100	0	UAA
Botrytis cinerea mitovirus 3		LN827946	2930	786	11	2	85	15	UAG
Botrytis cinerea mitovirus 4	BcMV4	LN827947	2768	731	18	1	95	5	UAA
Sclerotinia homoeocarpa mitovirus	ShMV	AY172454	2632	720	12	3	80	20	UAA
Sclerotinia sclerotiorum mitovirus 1		JQ013377	2513	691	8	4	67	33	UAG
Sclerotinia sclerotiorum mitovirus 2		JQ013378	2445	676	6	5	55	45	UAA
Sclerotinia sclerotiorum mitovirus 2	SsMV2	JX401536	2438	678	6	5	55	45	UAG
Sclerotinia sclerotiorum mitovirus 3	SsMV3	JX401537	2588	712	11	1	92	8	UAG
Sclerotinia sclerotiorum mitovirus 4		JX401538	2744	731	16	3	84	16	UAA
Sclerotinia sclerotiorum mitovirus 6		KC602001	2563	698	8	2	80	20	UAA
Sclerotinia sclerotiorum mitovirus 6	SsMV6	KF913881	2535	703	9	0	100	0	UAG
Sclerotinia sclerotiorum mitovirus 7		KF913882	2648	703	10	8	56	44	UAG
Sclerotinia sclerotiorum mitovirus 8	SsMV8	KF913883	2565	698	8	2	80	20	UAA
Sclerotinia sclerotiorum mitovirus 9	SsMV9	KF913884	2562	695	10	9	53	47	UAA
Sclerotinia sclerotiorum mitovirus 11	SsMV11	KF913886	2708	683	4	4	50	50	UAA
Sclerotinia sclerotiorum mitovirus 12	SsMV12	KF913887	2593	693	4	9	31	69	UAG
Sclerotinia sclerotiorum mitovirus 14		KF913889	2564	715	5	6	45	55	UAA
Sclerotinia sclerotiorum mitovirus 15	SsMV15	KF913890	2548	703	11	8	58	42	UAA
Sclerotinia sclerotiorum mitovirus 2		KJ462508	2438	678	6	5	55	45	UAG
Sclerotinia sclerotiorum mitovirus 5		KJ462509	2498	718	7	3	70	30	UAG
Sclerotinia sclerotiorum mitovirus 5		KJ462510	2498	718	7	3	70	30	UAG
Sclerotinia sclerotiorum mitovirus 5		KJ462511	2497	718	7	3	70	30	UAG
Sclerotinia sclerotiorum mitovirus 6		KJ462512	2584	715	4	7	36	64	UAA
Sclerotinia sclerotiorum mitovirus 6		KJ462513	2586	742	6	7	46	54	UAA
Sclerotinia sclerotiorum mitovirus 7	SsMV7	KJ462514	2815	689	11	8	58	42	UAG
Sclerotinia sclerotiorum mitovirus 1	SsMV1	KJ463570	2530	723	10	3	77	23	UAG
Sclerotinia sclerotiorum mitovirus 17		KP900924	2447	678	6	5	55	45	UAA
Sclerotinia sclerotiorum mitovirus 18		KP900925	2509	722	6	4	60	40	UAG
Sclerotinia sclerotiorum mitovirus 19		KP900926	3185	688	10	7	59	41	UAG
Sclerotinia sclerotiorum mitovirus 20		KP900927	2648	703	10	8	56	44	UAG
Sclerotinia nivialis mitovirus 1	SsMV1	KT365895	2720	731	17	2	89	11	UAA
Sclerotinia nivialis mitovirus 2	SsMV2	KT365896	2583	712	12	0	100	0	UAG
Sclerotinia sclerotiorum mitovirus 4	SsMV4	KT962974	2752	731	15	14	79	21	UAA
Sclerotinia sclerotiorum mitovirus 3		LN827949	2617	711	12	0	100	0	UAG
Grremmeniella abietina mitochondrial RNA virus S1		AF534641	2572	741	16	1	94	6	UAA
Grremmeniella abietina mitochondrial RNA virus S2	GaMRV-S2	AY615209	2587	741	16	1	94	6	UAA
Grremmeniella abietina mitovirus		HE586988	2575	741	14	3	82	18	UAA
Grremmeniella abietina non-host-specific mitochondrial RNA virus S1	GaMRV-S1	JN654496	2544	691	3	3	50	50	UAA
Hymenoscyphus fraxineus mitovirus 1	HfMV1	KJ667051	2387	717	12	7	63	37	UAG
Hymenoscyphus fraxineus mitovirus 1		KT809403	2350	717	12	7	63	37	UAG
Tuber aestivum mitovirus	TaMV	HQ992989	3480	793	12	5	71	29	UAG
Tuber excavatum mitovirus	TeMV	JN22389	3305	797	5	4	56	44	UAG
Alternaria brassicicola mitovirus	AbMV	KP705075	2506	719	10	1	91	9	UAA
Alternaria arborescens mitovirus 1	AaMV1	LC145036	2506	717	9	1	90	10	UAG
Macrophomina phaseolina mitovirus 1	MpMV1	KP900894	2572	715	4	7	36	64	UAA
Macrophomina phaseolina mitovirus 3	MpMV3	KT823703	4179	1029	0	25	0	100	UAG
Helicobasidium mompa mitovirus 1-18	HmMV1-18	AB110977	2411	700	11	2	85	15	UAG
Cronartium ribicola mitovirus 1	CrMV1	KT921179	2715	800	18	6	75	25	UAA
Cronartium ribicola mitovirus 2	CrMV2	KT921180	2471	689	8	6	57	43	UAG
Cronartium ribicola mitovirus 3	CrMV3	KT921181	2522	713	10	6	63	38	UAG
Cronartium ribicola mitovirus 4	CrMV4	KT921182	2479	721	16	4	80	20	UAG
Cronartium ribicola mitovirus 5	CrMV5	KT921183	2631	772	13	6	68	32	UAA
Heterobasidium annosum mitovirus 1	HaMV1	KJ873059	4379	836	9	12	43	57	UAA
Thanatephorus cucumeris mitovirus	TcMV	U51331	3570	754	0	14	0	100	UAA
Rhizoctonia solani mitovirus 1 RS002	RsMV1-RS002	KC792591	2797	826	0	11	0	100	UAA
Rhizoctonia solani mitovirus 1 RS006-2		KC792598	2779	826	0	11	0	100	UAA
Rhizoctonia cerealis mitovirus	RcMV	KM517201	3149	812	0	18	0	100	UAA
Rhizoctonia solani mitovirus 11	RsMV11	KP900906	3283	905	0	17	0	100	UAG
Rhizoctonia solani mitovirus 12	RsMV12	KP900907	3378	746	3	11	21	79	UAA
Rhizoctonia solani mitovirus 13	RsMV13	KP900908	3039	917	0	17	0	100	UAG
Rhizoctonia solani mitovirus 15	RsMV15	KP900910	3901	961	1	14	7	93	UAA
Rhizoctonia solani mitovirus 2	RsMV2	KP900911	2865	716	0	20	0	100	UAA
Rhizoctonia solani mitovirus 6	RsMV6	KP900915	2615	657	0	15	0	100	UAG
Rhizoctonia solani mitovirus 8	RsMV8	KP900917	3225	890	2	21	9	91	UAG
Binucleate Rhizoctonia sp. mitovirus K1	BRMV-K1	KR005622	2794	829	0	11	0	100	UAA
Rhizoctonia oryzae-sativae mitovirus 1	RosMV1	KU057949	3038	820	0	13	0	100	UAG
Agaricus bisporus mitovirus 1	AbMV1	KY357500	3439	956	5	19	21	79	UAA
Clitocybe odora mitovirus	CoMV	HE717021	3765	1137	1	25	4	96	UAG
Rhizoglyphus clarus RF1 mitovirus	RcMV-RF1	AB558120	2895	820	0	17	0	100	UAA
Rhizoglyphus sp. HR1 mitovirus	RMV-HR1	AB855794	3668	835	0	15	0	100	UAA
		medians:	2599	726	10	4	67	33	
Saccharomyces cerevisiae naravirus 235 [T]	ScRNV235	U90136	2891	941	0	20	0	100	UGA
Saccharomyces cerevisiae naravirus 205 [W]	ScRNV205	AF039063	2514	829	0	18	0	100	UGA

* Viruses are grouped as follows, top to bottom: mitoviruses from ascomycetes (cyan), basidiomycetes (green), and glomeromycetes (orange); naraviruses from ascomycetes (cyan). Mitoviruses with no or few UGA(Trp) codons are shaded (%Trp=UGA values <21%).

† In RdRp ORF, not including stop codon