Supporting Materials
Manuscript title
Detection of a conspecific mycovirus in two closely related native and introduced fungal hosts and evidence for interspecific virus transmission

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Table S1: Details on the isolates in the study with sample locations, years and GenBank accession numbers, etc. *In case sequences were previously submitted to GenBank, the respective reverence is given. – indicates that no sequence was submitted.

							GenBank Accession numbers			
ID	Year	Species	Canton	Coordinates N	Coordinates E	Region	RdRP 495 *	RdRP full ORF	ITS_	SSR	Reference
AIG01L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG01P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	-	MK079873	no	x	[13]
AIG02L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG04L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG06P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG09P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG11P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG16P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG20L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG22P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG23L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG23P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG29P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	-	MK079874	no	x	[13]
AIG35L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG35P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	-	MK079876	no	x	[13]
AIG41L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG43L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	-	MK079875	no	x	[13]
AIG46P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
AIG47L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	-	In revision	no	x	[13]
AIG60L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE05L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE14L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	-	MK079877	no	x	[13]
BIE16L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE17P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE21P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.32589	6.93349	South-Western Switzerland (SW-CH)	-	MK079878	no	x	[13]
BIE22L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	-	MK079879	no	x	[13]
BIE24L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	-	MK079880	no	x	[13]
BIE25L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	-	MK079881	no	x	[13]
BIE26P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE31P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE32P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	-	MK079882	no	x	[13]
BIE39L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE43P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE45P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE48L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE49P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE53L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE54P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE57L	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
BIE59P	2013	*Hymenoscyphus fraxineus*	Vaud (VD)	46.53104	6.36983	South-Western Switzerland (SW-CH)	[13]		no	x	[13]
KUE02L	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE05L	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	-	MK079872	no	x	[13]
KUE06L	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE06P	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE10L	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	-	MK079869	no	x	[13]
KUE11L	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE11P	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE24L	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	-	MK079870	no	x	[13]
KUE13L	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE15L	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE24P	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE36L	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE37P	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	-	MK079871	no	x	[13]
KUE39P	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE42P	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]

KUE43P	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE53L	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE53P	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE54P	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
KUE60P	2013	*Hymenoscyphus fraxineus*	Schwyz (SZ)	47.07013	8.458	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR02P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR03L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	-	MK079859	no	x	[13]
SAR07L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR07P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR11P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR12L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR13L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	-	MK079855	no	x	[13]
SAR14P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR16L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR22L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR24L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	-	MK079856	no	x	[13]
SAR26P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	-	MK079857	no	x	[13]
SAR28L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	-	MK079858	no	x	[13]
SAR28P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR33L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR41P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR43P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	-	MK079860	no	x	[13]
SAR48L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
SAR51L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	-	MK079861	no	x	[13]
SAR52P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.26583	9.48278	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL03L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL06P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL10L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL12P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL13L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL18L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL19L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	-	MK079862	no	x	[13]
WIL19P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL20L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	-	MK079863	no	x	[13]
WIL22L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	-	MK079864	no	x	[13]
WIL22P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL27P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL32P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL34P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL37P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	-	MK079865	no	x	[13]
WIL41P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL47L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	-	MK079866	no	x	[13]
WIL49L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	[13]		no	x	[13]
WIL54P	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	-	MK079867	no	x	[13]
WIL56L	2013	*Hymenoscyphus fraxineus*	St Gallen (SG)	47.50861	9.155	Northern Switzerland (N-CH)	-	MK079868	no	x	[13]
GSE1	2014	*Hymenoscyphus fraxineus*	Ile de France	48.4678	2.3532	North-Western France (France)	[15]		no	x	[15]
GSE2	2014	*Hymenoscyphus fraxineus*	Ile de France	48.4678	2.3532	North-Western France (France)	[15]		no	x	[15]
GSE6	2014	*Hymenoscyphus fraxineus*	Ile de France	48.4678	2.3532	North-Western France (France)	[15]		no	x	[15]
NSE2	2014	*Hymenoscyphus fraxineus*	Ile de France	48.3683	2.5083	North-Western France (France)	[15]		no	x	[15]
NSE8	2014	*Hymenoscyphus fraxineus*	Ile de France	48.3683	2.5083	North-Western France (France)	[15]		no	x	[15]
VIC1	2014	*Hymenoscyphus fraxineus*	Dolomites	46.416667	11.666667	Southern Switzerland (S-CH)	[15]		no	x	[15]
VIC2	2014	*Hymenoscyphus fraxineus*	Dolomites	46.416667	11.666667	Southern Switzerland (S-CH)	[15]		no	x	[15]
CEV1	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.31112	8.60697	Southern Switzerland (S-CH)	-	MK079883			this study
CEV3	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.31112	8.60697	Southern Switzerland (S-CH)	MK079718				this study
FOR2	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.37395	8.54773	Southern Switzerland (S-CH)	MK079719				this study
FOR20	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.37395	8.54773	Southern Switzerland (S-CH)	MK079720				this study
FOR28	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.37395	8.54773	Southern Switzerland (S-CH)	MK079721				this study
FOR5	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.37395	8.54773	Southern Switzerland (S-CH)	MK079722				this study
FOR6	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.37395	8.54773	Southern Switzerland (S-CH)	MK079723				this study
FORdr	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.37395	8.54773	Southern Switzerland (S-CH)	MK079724				this study
RIV16	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079725				this study

RIV17	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079726	this study
RIV18	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079727	this study
RIV19	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079728	this study
RIV20	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079729	this study
RIV21	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	-	this study
RIV22	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079730	this study
RIV23	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079731	this study
RIV24	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079732	this study
RIV25	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079733	this study
RIV27	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079734	this study
RIV28	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079735	this study
RIV29	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079736	this study
RIVdr	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.29343	8.63958	Southern Switzerland (S-CH)	MK079737	this study
ROD12	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079738	this study
ROD14	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079739	this study
ROD15	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079740	this study
ROD16	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079741	this study
ROD18	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079742	this study
ROD19	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079743	this study
ROD20	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079744	this study
ROD21	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	-	this study
ROD24	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079745	this study
ROD25	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	-	this study
ROD26	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079746	this study
ROD27	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079747	this study
ROD28	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079748	this study
ROD29	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	-	this study
ROD5	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	-	this study
ROD6	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079749	this study
ROD7	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.49869	8.72837	Southern Switzerland (S-CH)	MK079750	this study
COG12	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.26838	8.68245	Southern Switzerland (S-CH)	MK079751	this study
COG13	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.26838	8.68245	Southern Switzerland (S-CH)	MK079752	this study
MAG6	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.25264	8.69938	Southern Switzerland (S-CH)	MK079753	this study
MAG7a	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.25264	8.69938	Southern Switzerland (S-CH)	MK079754	this study
MAG7b	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.25264	8.69938	Southern Switzerland (S-CH)	MK079755	this study
SCAR17	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.41017	8.52587	Southern Switzerland (S-CH)	MK079756	this study
SCAR21	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.41017	8.52587	Southern Switzerland (S-CH)	MK079757	this study
SCAR26	2014	*Hymenoscyphus fraxineus*	Ticino (TI)	46.41017	8.52587	Southern Switzerland (S-CH)	MK079758	this study
WAS10	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079759	this study
WAS11	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079760	this study
WAS12	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079761	this study
WAS14	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079762	this study
WAS15	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079763	this study
WAS16	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079764	this study
WAS17	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	-	this study
WAS18	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079765	this study
WAS19a	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079766	this study
WAS19b	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079767	this study
WAS20	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079768	this study
WAS21	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079769	this study
WAS23	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079770	this study
WAS24	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	-	this study
WAS25	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079771	this study
WAS27	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079772	this study
WAS28	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079773	this study
WAS29	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079774	this study
WAS30	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079775	this study
WAS4	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079776	this study
WAS5	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079777	this study
WAS6	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079778	this study
WAS7	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079779	this study

WAS8	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	MK079780			this study
WAS9	2014	*Hymenoscyphus fraxineus*	Uri (UR)	46.70185	8.59726	Northern Switzerland (N-CH)	-			this study
SOA10c	2016	*Hymenoscyphus fraxineus*	Grison (GR)	46.35	9.216667	Southern Switzerland (S-CH)	MK079714		-	this study
SOA2a	2016	*Hymenoscyphus fraxineus*	Grison (GR)	46.35	9.216667	Southern Switzerland (S-CH)	MK079715		-	this study
SOA8a	2016	*Hymenoscyphus fraxineus*	Grison (GR)	46.35	9.216667	Southern Switzerland (S-CH)	MK079716		-	this study
SOA9b	2016	*Hymenoscyphus fraxineus*	Grison (GR)	46.35	9.216667	Southern Switzerland (S-CH)	MK079717		-	this study
COR10a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.44526	8.93785	Southern Switzerland (S-CH)	MK079781		MF765422	this study
COR1a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.44526	8.93785	Southern Switzerland (S-CH)	MK079782		MF765423	this study
COR3a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.44526	8.93785	Southern Switzerland (S-CH)	-		MF765425	this study
COR5a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.44526	8.93785	Southern Switzerland (S-CH)	MK079783		MF765427	this study
COR6a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.44526	8.93785	Southern Switzerland (S-CH)	-		MF765428	this study
COR7b	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.44526	8.93785	Southern Switzerland (S-CH)	MK079784		MF765429	this study
COR8a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.44526	8.93785	Southern Switzerland (S-CH)	MK079785		MF765430	this study
COR9b	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.44526	8.93785	Southern Switzerland (S-CH)	MK079786		MF765431	this study
BRI10a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46298265	8790192	Southern Switzerland (S-CH)	MK079787			this study
BRI3a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46298265	8790192	Southern Switzerland (S-CH)	MK079788			this study
BRI4a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46298265	8790192	Southern Switzerland (S-CH)	MK079789			this study
BRI5a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46298265	8790192	Southern Switzerland (S-CH)	MK079790			this study
BRI6a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46298265	8790192	Southern Switzerland (S-CH)	MK079791			this study
BRI8a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46298265	8790192	Southern Switzerland (S-CH)	MK079792			this study
BRI9a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46298265	8790192	Southern Switzerland (S-CH)	MK079793			this study
AMB10a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46500727	8720870	Southern Switzerland (S-CH)	MK079794			this study
AMB11a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46500727	8720870	Southern Switzerland (S-CH)	MK079795			this study
AMB13a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46500727	8720870	Southern Switzerland (S-CH)	MK079796			this study
AMB2b	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46500727	8720870	Southern Switzerland (S-CH)	MK079797			this study
AMB4b	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46500727	8720870	Southern Switzerland (S-CH)	MK079798			this study
AMB7b	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46500727	8720870	Southern Switzerland (S-CH)	MK079799			this study
AMB8c	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46500727	8720870	Southern Switzerland (S-CH)	MK079800			this study
AMB9c	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46500727	8720870	Southern Switzerland (S-CH)	MK079801			this study
SER13a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	-	MK079884		this study
SER14a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079802			this study
SER15a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079803			this study
SER17b	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079804			this study
SER18c	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079805			this study
SER1a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079806			this study
SER2c	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079807			this study
SER3a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079808			this study
SER4a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079809			this study
SER5a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079810			this study
SER6a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079811			this study
SER7a	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079812			this study
SER8c	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079813			this study
SER9b	2016	*Hymenoscyphus fraxineus*	Ticino (TI)	46.416667	8.983333	Southern Switzerland (S-CH)	MK079814			this study
VIS7a	2016	*Hymenoscyphus fraxineus*	Valais (VS)	46.292216	7.882776	South-Western Switzerland (SW-CH)	MK079713			this study
2373	2009	*Hymenoscyphus albidus*	Valais (VS)	46.22553	7.37201	South-Western Switzerland (SW-CH)	MK079831	MK079852	MF765342	this study
3210	2010	*Hymenoscyphus albidus*	Ticino (TI)	46.154458	8.865217	Southern Switzerland (S-CH)	MK079824		-	[35]; this study
4301	2009	*Hymenoscyphus albidus*	Valais (VS)	46.34	7.633	South-Western Switzerland (SW-CH)	MK079832	MK079854	MF765397	[35]; this study
4310	2009	*Hymenoscyphus albidus*	Ticino (TI)	46.28244	8.56191	Southern Switzerland (S-CH)	MK079819		MF765346	[35]; this study
4312	2009	*Hymenoscyphus albidus*	Glarus (GL)	47.0235	9.04468	Northern Switzerland (N-CH)	MK079816		MF765347	[35]; this study
4315	2009	*Hymenoscyphus albidus*	Glarus (GL)	47.0235	9.04468	Northern Switzerland (N-CH)	MK079817		MF765348	[35]; this study
4324	2009	*Hymenoscyphus albidus*	Glarus (GL)	47.0235	9.04468	Northern Switzerland (N-CH)	MK079818	MK079849	MF765350	[35]; this study
4333	2009	*Hymenoscyphus albidus*	Valais (VS)	46.22553	7.633	South-Western Switzerland (SW-CH)	MK079833		MF765351	[35]; this study
4338	2009	*Hymenoscyphus albidus*	Ticino (TI)	46.26153	8.50237	Southern Switzerland (S-CH)	-		MF765353	[35]; this study
4341	2009	*Hymenoscyphus albidus*	Valais (VS)	46.22553	7.633	South-Western Switzerland (SW-CH)	MK079834		MF765354	[35]; this study
4342	2009	*Hymenoscyphus albidus*	Valais (VS)	46.22553	7.633	South-Western Switzerland (SW-CH)	MK079835		-	[35]; this study
4344	2009	*Hymenoscyphus albidus*	Valais (VS)	46.22553	7.633	South-Western Switzerland (SW-CH)	MK079836		MF765355	[35]; this study
4346	2009	*Hymenoscyphus albidus*	Valais (VS)	46.22553	7.633	South-Western Switzerland (SW-CH)	MK079837		MF765356	[35]; this study
4348	2009	*Hymenoscyphus albidus*	Valais (VS)	46.22553	7.633	South-Western Switzerland (SW-CH)	MK079838		MF765357	[35]; this study
4352	2009	*Hymenoscyphus albidus*	Valais (VS)	46.22553	7.633	South-Western Switzerland (SW-CH)	MK079839	MK079853	-	[35]; this study
4356	2009	*Hymenoscyphus albidus*	Valais (VS)	46.22553	7.633	South-Western Switzerland (SW-CH)	MK079840		MF765358	[35]; this study
4365	2009	*Hymenoscyphus albidus*	Ticino (TI)	46.30148	8.42595	Southern Switzerland (S-CH)	MK079823		MF765361	[35]; this study

4370	2009	*Hymenoscyphus albidus*	Ticino (TI)	46.11532	8.34095	Southern Switzerland (S-CH)	-		-	[35]; this study
4377	2009	*Hymenoscyphus albidus*	Valais (VS)	46.22553	7.633	South-Western Switzerland (SW-CH)	MK079841		MF765366	this study
6003	2012	*Hymenoscyphus albidus*	Vaud (VD)	46.5	6.383333	South-Western Switzerland (SW-CH)	-		MF765367	this study
6802	2012	*Hymenoscyphus albidus*	Ticino (TI)	45.899583	9.046583	Southern Switzerland (S-CH)	MK079825		MF765368	[35]; this study
6807	2012	*Hymenoscyphus albidus*	Ticino (TI)	45.899583	9.046583	Southern Switzerland (S-CH)	MK079826		MF765372	[35]; this study
6811	2012	*Hymenoscyphus albidus*	Ticino (TI)	45.899583	9.046583	Southern Switzerland (S-CH)	MK079829		MF765374	[35]; this study
6812	2012	*Hymenoscyphus albidus*	Ticino (TI)	45.899583	9.046583	Southern Switzerland (S-CH)	MK079827		MF765375	[35]; this study
6814	2012	*Hymenoscyphus albidus*	Ticino (TI)	45.899583	9.046583	Southern Switzerland (S-CH)	MK079828		MF765377	[35]; this study
8003	2009	*Hymenoscyphus albidus*	Ticino (TI)	46.28244	8.56191	Southern Switzerland (S-CH)	MK079820		-	[35]; this study
8005	2009	*Hymenoscyphus albidus*	Ticino (TI)	46.28244	8.56191	Southern Switzerland (S-CH)	MK079821	MK079851	MF765380	[35]; this study
90723	2009	*Hymenoscyphus albidus*	Glarus (GL)	47.0235	9.04468	Northern Switzerland (N-CH)	MK079815	MK079850	MK079850	this study
90812	2009	*Hymenoscyphus albidus*	Valais (VS)	46.22553	7.37201	South-Western Switzerland (SW-CH)	MK079830		MF765343	this study
CAR10	2012	*Hymenoscyphus albidus*	Britany	47.37256	3.04206	North-Western France (France)	MK079842	MK079847	MF765384	[17]; this study
CAR16	2012	*Hymenoscyphus albidus*	Britany	47.37256	3.04206	North-Western France (France)	MK079843		MF765385	[17]; this study
CAR26	2012	*Hymenoscyphus albidus*	Britany	47.37256	3.04206	North-Western France (France)	MK079844		MF765389	[17]; this study
CAR31	2012	*Hymenoscyphus albidus*	Britany	47.37256	3.04206	North-Western France (France)	MK079845	MK079848	MF765393	[17]; this study
CAR32	2012	*Hymenoscyphus albidus*	Britany	47.37256	3.04206	North-Western France (France)	MK079846		MF765388	[17]; this study
81010	2008	*Hymenoscyphus fraxineus*	Glarus (GL)	47.0235	9.04468	Northern Switzerland (N-CH)	-		MF765432	this study
4330	2009	*Hymenoscyphus fraxineus*	Zurich (ZH)	47.480381	8.37464	Northern Switzerland (N-CH)	-		MF765433	this study
4339	2009	*Hymenoscyphus fraxineus*	Zurich (ZH)	47.480381	8.37464	Northern Switzerland (N-CH)	-		MF765434	this study
4380	2009	*Hymenoscyphus fraxineus*	Zurich (ZH)	47.480381	8.37464	Northern Switzerland (N-CH)	-		MF765435	this study
6006	2012	*Hymenoscyphus fraxineus*	Vaud (VD)	46.5	6.383333	South-Western Switzerland (SW-CH)	-		MF765436	this study

Table A2: List of additional primers used to sequence the full open reading frame of *Hymenoscyphus fraxineus mitovirus 1* and 5′ and 3′ flanking regions of HfMV1. Tm = annealing temperature in degrees Celsius.

Name	Sequence (5'-3')	Tm (ºC)	Location (bp)	Region
Cf_1F_cc	AAGGCCCCACTCTACTATTA	55	64-666	1
Cf_1R_cc	GTCCACACCTAATTTACCAAG			
Cf_1R2_cc	GGGCAAGAAKWATTTCRTTGT	55	64-646	
Cf_2F_cc	CCGGACTCCCAAAGGTAAT	55	492-1424	2
Cf2R_cc	CGCTTATACTCTGTGGCCAAA			
Cf_2F2_cc	ACGCGCGGACTTAATTACG	55	380-1428	
Cf_2R2_cc	ATACGCTTRTACTCTGTGGC			
Cf_3F_cc	GATTATGACAAAGGAACCGT	58	1244-1749	3
Cf_3R_cc	CATGAAATGAATGCGTAGAA			
Cf_3F2_cc	CAAGAGGGAGTGGAVAAGRT	53	1093-1670	3
Cf_3R2_cc	GCRAGATGAGARAAGAAATGC			
Cf_4F_cc	GTGGGTTTCCTATTGTDGGY	53	1570-2154	4
Cf_4R_cc	GGRCTTGGAGGTAATTTYAA			
Cf_6F2_cc	GCCGCGTTATCAAAAGAAAG	53	2058-2365	6
Cf_6R_cc	CATCGTCCACTGCCACTTAA			

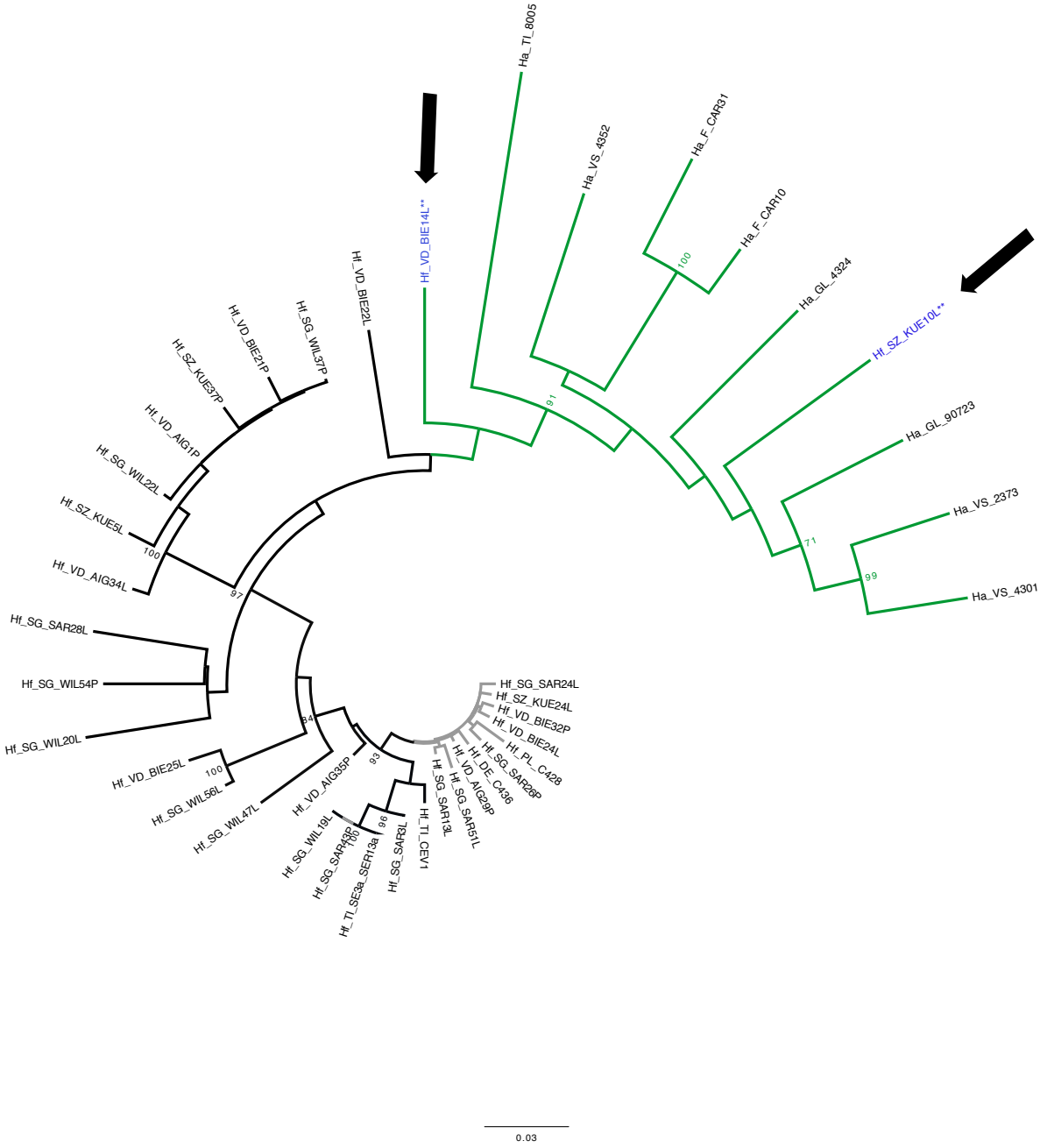

Figure S1: Phylogenetic tree resulting from the RaxML analysis conducted with 40 (8 *H. albidus*, 32 *H. fraxineus*) full sequences (2151 bp) of the RdRP gene of the mitovirus HfMV1. Green color depicts HfMV1 *H. albidus* group isolates. Black color depicts HfMV1 group 2 isolates and grey color HfMV1 group isolates. Blue color and *** mark *H. fraxineus* isolates within the *H. albidus* group. Hf characterizes viral sequences from *H. fraxineus*, Ha from *H. albidus* isolates. For abbreviation see Table 1. Bootstrap values are shown if > 70. Arrows indicate intermixing of *H. albidus* and *H. fraxineus* HfMV1 sequences.

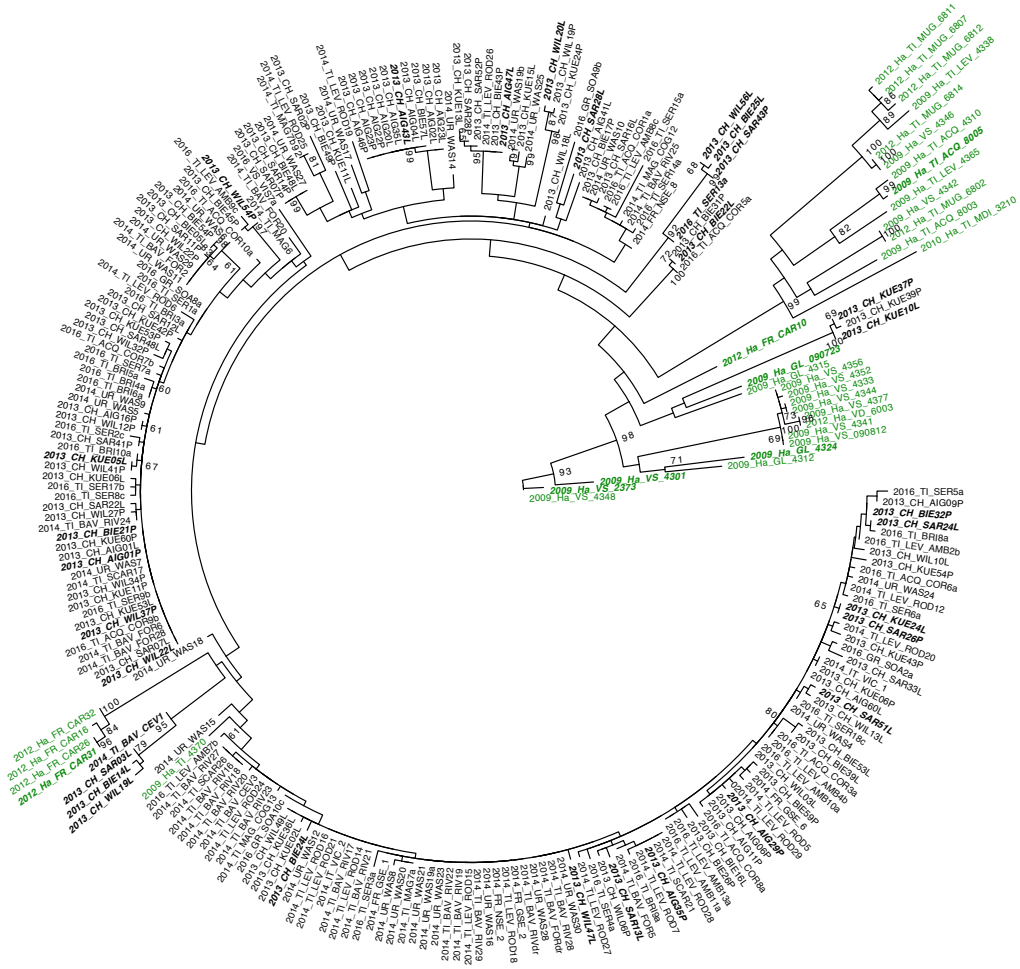

Figure S2: RAxML analysis conducted with 255 sequences (495 bp) of the partial RdRP gene of the mitovirus HfMV1. Green color depicts *H. albidus* isolates. Each sample is named with the sampling year, followed by the sampling locality (for abbreviation see Table 1) and sample name. Bootstrap values are show if ≥ 60. Samples marked in bold and italics are included in the full-length analysis.