

Table S1a

TuMV name	Name of the first host from which the TuMV was isolated	GenBank ID
2J	<i>Brassica pekinensis</i>	AB093622
59J	<i>Raphanus sativus</i>	AB093620
A102/11	<i>Anemone coronaria</i>	AB093597
A64	<i>Anemone coronaria</i>	AB093599
Al	<i>Alliaria officinalis</i>	AB093598
BZ1	<i>Brassica oleracea</i>	AB093611
C42J	<i>Brassica rapa</i>	AB093625
Cal1	<i>Calendula officinalis</i>	AB093601
CDN1	<i>Brassica napus</i>	AB093610
CHN12	Not known	AY090660
CP845J	<i>Calendula officinalis</i>	AB093614
CZE1	<i>Brassica oleracea</i>	AB093608
DMJ	<i>Raphanus sativus</i>	AB093623
HRD	<i>Raphanus sativus</i>	AB093627
IS1	<i>Allium ampeloprasum</i>	AB093602
ITA7	<i>Raphanus raphanistrum</i>	AB093600
Ka1J	<i>Brassica pekinensis</i>	AB093624
KD32J	<i>Raphanus sativus</i>	AB093621
KEN1	<i>Brassica oleracea</i>	AB093605
KYD81J	<i>Raphanus sativus</i>	AB093613
NZ290	<i>Brassica pekinensis</i>	AB093612
PV0104	<i>Lactuca sativa</i>	AB093603
PV376-Br	<i>Brassica napus</i>	AB093604
Q-Ca	<i>Brassica rapa</i>	D10927
RUS1	<i>A Armoracia rusticana</i>	AB093606
RUS2	<i>Brassica napus</i>	AB093607
St48	<i>Limonium sinuatum</i>	AB093596
TW	Not known	AF394602
UK1	<i>Brassica napus</i>	AF169561
USA1	<i>Brassica oleracea</i>	AB093609

Table S1b

PV name	Name of the first host from which the PV was isolated	GenBank ID
AaPV1	<i>Alces alces</i>	M15953
BPV1	<i>Bos taurus</i>	X02346
BPV7	<i>Bos taurus</i>	DQ217793
BPV8	<i>Bos taurus</i>	DQ098913
CcaPV1	<i>Capreolus capreolus</i>	EF680235
CcPV1	<i>Caretta caretta</i>	EU493092
ChPV1	<i>Capra hircus</i>	DQ091200
CmPV1	<i>Chelonia mydas</i>	EU493091
CPV1	<i>Canis familiaris</i>	D55633
CPV2	<i>Canis familiaris</i>	AY722648
CPV4	<i>Canis familiaris</i>	EF584537
CPV5	<i>Canis familiaris</i>	FJ492743
CPV6	<i>Canis familiaris</i>	FJ492744
CPV7	<i>Canis familiaris</i>	FJ492742
EcPV1	<i>Equus caballus</i>	AF498323
EcPV2	<i>Equus caballus</i>	EU503122
EdPV1	<i>Erethizon dorsatum</i>	AY684126
EePV1	<i>Erinaceus europaeus</i>	FJ379293
FcaPV1	<i>Felis domesticus</i>	AF480454
FcaPV2	<i>Felis domesticus</i>	EU796884
HPV6	<i>Homo sapiens</i>	X00203
HPV10	<i>Homo sapiens</i>	X74465
HPV13	<i>Homo sapiens</i>	X62843
HPV16_C	<i>Homo sapiens</i>	AF472509
HPV18	<i>Homo sapiens</i>	X05015
HPV24	<i>Homo sapiens</i>	U31782
HPV26	<i>Homo sapiens</i>	X74472
HPV31	<i>Homo sapiens</i>	J04353
HPV32	<i>Homo sapiens</i>	X74475
HPV36	<i>Homo sapiens</i>	U31785
HPV38	<i>Homo sapiens</i>	U31787
HPV39	<i>Homo sapiens</i>	M62849
HPV40	<i>Homo sapiens</i>	X74478
HPV41	<i>Homo sapiens</i>	X56147
HPV44	<i>Homo sapiens</i>	U31788
HPV45	<i>Homo sapiens</i>	X74479
HPV50	<i>Homo sapiens</i>	U31790
HPV54	<i>Homo sapiens</i>	AF436129
HPV56	<i>Homo sapiens</i>	X74483
HPV57	<i>Homo sapiens</i>	X55965
HPV58	<i>Homo sapiens</i>	D90400
HPV60	<i>Homo sapiens</i>	U31792
HPV61	<i>Homo sapiens</i>	U31793
HPV63	<i>Homo sapiens</i>	X70828
HPV65	<i>Homo sapiens</i>	X70829
HPV73	<i>Homo sapiens</i>	X94165
HPV76	<i>Homo sapiens</i>	Y15174
HPV80	<i>Homo sapiens</i>	Y15176
HPV85	<i>Homo sapiens</i>	AF131950
HPV87	<i>Homo sapiens</i>	AJ400628
HPV90	<i>Homo sapiens</i>	AY057438
HPV92	<i>Homo sapiens</i>	AF531420
HPV96	<i>Homo sapiens</i>	AY382779
HPV102	<i>Homo sapiens</i>	DQ080083
HPV104	<i>Homo sapiens</i>	FM955840
HPV109	<i>Homo sapiens</i>	EU541441
LrPV1	<i>Lynx rufus</i>	AY904722
MaPV1	<i>Mesocricetus auratus</i>	E15111
McPV2	<i>Mastomys coucha</i>	DQ664501
MfPV1	<i>Macaca fascicularis</i>	EF028290
MfPV3_b	<i>Macaca fascicularis</i>	EF591299
MfPV6	<i>Macaca fascicularis</i>	EF558840
MfPV8	<i>Macaca fascicularis</i>	EF558842
MmiPV1	<i>Micromys minutus</i>	DQ269468
MnPV1	<i>Mastomys natalensis</i>	U01834
OaPV1	<i>Ovis aries</i>	U83594
OcPV1	<i>Oryctolagus cuniculus</i>	AF227240
OvPV1	<i>Odocoileus virginianus</i>	M11910
PcPV1	<i>Puma concolor</i>	AY904723
PlpPV1	<i>Panthera leo persica</i>	AY904724
PIPV1	<i>Procyon lotor</i>	AY763115
PpPV1	<i>Pan paniscus</i>	X62844
PtPV1	<i>Pan troglodytes</i>	AF020905
RaPV1	<i>Rousettus aegyptiacus</i>	DQ366842
RnPV1	<i>Rattus norvegicus</i>	GQ180114
RtPV1	<i>Rangifer tarandus</i>	AF443292
SfPV1	<i>Sylvilagus floridanus</i>	K02708
TmPV1	<i>Trichechus manatus latirostris</i>	AY609301
UuPV1	<i>Uncia uncia</i>	DQ180494