

Screening Primers			
Polyomavirus	Primer Name	Sequence (5' to 3')	Reference
JC, BK (Outer)	P-3	GTATACACAGCAAAGGAAGC	Giraud et al., 2008
	P-4	GCTCATCAGCCTGATTTTGG	
JC, BK (Inner)	P-1	AGTCTTTAGGGTCTTCTACC	Giraud et al., 2008
	P-2	GGTGCCAACCTATGGAACAG	
KI, WU	KIPyV2263.F	TTGGATGAAAATGGCATTGG	Giraud et al., 2008
	KIPyV2404.R	TAACCCTTCTTTGTCTAAAATGTAGCC	
MCV	MCV.F	GGAATTGAACACCCTTTGGA	Ho et al., 2014
	MCV.R	CTACAATGCTGGCGAGACAA	
HPyV6	HPyV6.F	GGCATTTCAGGAAGTATT	Ho et al., 2014
	HPyV6.R	AAGTTGAATGCCACCCTGAG	
HPyV7	HPyV7.F	AAACTCTGGCCCCAAAACT	Ho et al., 2014
	HPyV7.R	GAGATCCCCAGAAAATGCAA	
TSPyV	TSA.F	TGAAGGCCTATTTTGCAGGT	Ho et al., 2014
	TSA.R	AGCCAGGTAGGCTCATGGTA	
HPyV9	HPyV9.F	AGAGGCGCAGCAAACCTAAA	Ho et al., 2014
	HPyV9.R	TGGTGGATATCCTGATTGCAT	
STL, MW	STLMWScreen.F	GRATGAAAYRCWWTTACAGGTTGCCACC	Lim et al., 2013
	STLMWScreen.R	GTGGWAAAACAACGTAGCWGCTGC	
HPyV12	HPyV12.VP1731.F	GTGGGAAGCTGTCAGTGTGA	Korup et al., 2013
	HPyV12.VP1868.R	CCACCTACTGCAAACATGTG	
Sequencing Primers			
Polyomavirus	Primer Name	Sequence (5' to 3')	Reference
HPyV6	H6_4628R	TGAAGACATTTGGTCCCTC	Schowalter et al., 2010
	H6_395L	AAAGCAGCAGCAGACTGTAGAGCC	
	H6_160R	ACTGAGGTTGACCACCGTTG	
	H6_992L	ACTCCATTGCCCTCAAAC	
	H6_679R	AAGTTTGGTCTTGGGGAGG	
	H6_1465L	GGCTTCCCAAACCAACAAAGTATC	
	H6_2032L	CTCTCCTCTGTCTGAAGTGAAC	
	H6_3110R	CAGCAGCCAATGTTGTTTTG	
	H6_4117L	AATAGAGGCTGGGACGATG	
	H6_3774R	GCATTTAGCATAGCAGACACTC	
	H6_4539L	TTGCCTTCTCAAAAAGGAGC	
	H6_1068F	GGGCCCTGTTAGAAGGAAGG	this study
	H6_1710F	AGCCCCTTGATGTCATTGG	
	H6_1710R	GAGGGGTTTACAGCTCACCC	
	H6_2384F	GCAAATTTGTTTGGGCCTCCA	

	H6_2384R	CAAGGTGTCCCAGCTGTTT	
	H6_2872F	CCTCTGGCAATTCTGGCCTT	
	H6_2872R	AGCAGCACAAAGAAGGGTGT	
	H6_3587F	CAGCTTGCTGGATCATTGGC	
	H6_3857R	GGTTTGGCCTACCTGTGGAA	
	H6_4143F	GAGAGTTGCCTTCACCAGGG	
	H6_4143R	ATGGATCGCCTTTTAGCCAGAG	
	H6_4716F	ACATTTGGTCCCTCAGGGTG	
	H6_4716R	TGGATCGCCTTTTAGCCAGAG	
HPyV7	contig1.F	TAGAAGGGTGGAGGCAAATG	Ho et al., 2014
	contig1.R	CTTCATTGGACACTGCCAGA	
	contig2.F	AGCCCTTCAAAGTGCTGCT	
	contig2.R	CTACTCAACAGGCTTGCCAAT	
	contig3.F	TTCTACTACAGAACAGGAAGAGAG	
	contig3.R	TGTGTCCTCCGTGAGTGGTA	
	contig4.F	GGAAATGGACCCACACAAA	
	contig4.R	ACTTGCTTTCTGAGGGCTTG	
	contig5.F	TGAAGCCCTAGAAGGTCCAG	
	contig5.R	GCTGCATTTGCTCCATTGTA	
	contig6.F	CAGAAGCCACAGGTGCAG	
	contig6.R	GAACCAGTGTCTGACTTTGTTGA	
	contig7.F	CCATATGACACCCACTGTTCA	
	contig7.R	CAGCTGCCATTCTGGATTTA	
	contig8.F	CAATAGCACATCCCAGTTCAAA	
	contig8.R	TTTGCTACAGAGCCATCACTG	
	contig9.F	TGCTTCTCATGGTGTTGGTG	
	contig9.R	GCCATGCCACTTTAGGTAACA	
	contig10.F	TTCTCATAAAGCAACATACTTTTCTCA	
	contig10.R	CACTTTTGGCGGGCTAAT	
qPCR Primers			
Polyomavirus	Primer Name	Sequence (5' to 3')	Reference
HPyV6	HPyV6qPCR.F	TAGCACTTGTAGCACCAG	Schowalter et al., 2010
	HPyV6qPCR.R	ATGCCTTCATTGCCTTCT	
HPyV7	HPyV7qPCR.F	TCTAACCTTATGCTGTATG	
	HPyV7qPCR.R	GGTAGAGATGAAGTCAAG	
MCV	MCVqPCR.F	GGTGCAGATGCAGTAAGCAG	
	MCVqPCR.R	TTGTCTCGCCAGCATTGTAG	
LINE1	LINE1qPCR.F	TTGCGGCATTATTCACAATAGC	Yu et al., 2008
	LINE1qPCR.R	GTGCCACATTTTCTTAATCCAGTCT	

Table S1. Viral Genomic Changes

Location	HPyV7_UTSW7.1	HPyV6_UTSW6.1
NCCR	n.148del2	Ins/del with mult. nt changes
	n.C202G	
Early (sT, LT)	n.G2594A (p.Thr→Ile)	n.A2567T
	n.C2877T (p.Val→Ile)	n.T2923C (p.Ile→Val)
	n.C3751T	n.G2927C (p.Asp→Glu)
	n.A3889G	n.A3026G
		n.G3402T (p.Thr→Lys)
		n.T3479A; n.C3478T
		(p.Ala→Thr)
		n.C3756T (p.Arg→Lys)
Late (VP1/2/3)		n.A3831G (p.Ile→Thr)
	n.G771C	n.A920G
	n.A1016G	n.C1449A
	n.A1404C (p.Glut→Asp)	n.1500insCAC (p.insThr)
	n.G1929T	n.G1661A (p.Arg→Lys)
Other		n.T2034C
	n.C4303A	n.G2422C (p.Glu→Gln)