

T A P O R I M B		atagctgcaggaaactgct		Ross Haynes Correction - reverse complement of published forward primer			
58	Long MIE	T A P O R I M B	578	ACAAGGTGCTCACGCCACATTGATC	CACTGGCTCAGACTTGACAGACAC	TGAAGGTCTTTGCCAGTACATTCT	Boom 2002 Journal of Clinical Microbiology Vol: 40(11) p 4105-4113
59	Short MIE	T A P O R I M B	138	CCAGCGGGCTCTGATAACCAA	GGTCATCCACACTAGGAGAGCAGAC	TGAAGGTCTTTGCCAGTACATTCT	Boom 2002 Journal of Clinical Microbiology Vol: 40(11) p 4105-4113
60	IE	T A P O R I M B	127	CAAGCGGGCTCTGATAACCAA	ACTAGGAGAGCAGACTCTCAGAGGAT	FAM-TGCATGAAGGTCTTTGCCAGTACATTCT-TAMRA	Kalpoee 2004 JOURNAL OF CLINICAL MICROBIOLOGY, Apr. 2004, p. 1498-1504
61	IE	T A	369	GGGTGCTGTCTGTGTATGCTTA	CATCACTGTCTCACTTTCTTCC	CGGCCCTTGATAACCAAGCCTG	Li 2003 Journal of Clinical Microbiology Vol: 41(1) p 187-191
62	MIE	T A P O R I M B	73	AGCGCGCATTGAGGA	CAGACTCTCAGAGGATCGGCC	ATCTGCATGAAGGTCTTTGCCAGTACATT	Ross Haynes correction based on Genbank, Towne, AD169 and Merlin sequences
63	UL125	A P	86	CCAGTGCCTGGCAGTTTATT	ACCGGAGAGGCCCATGTC	AACATAACCTGGGATCCACGCGAAT	Lenuez-Ville 2003 JOURNAL OF CLINICAL MICROBIOLOGY, May 2003, p. 2040-2046
64	UL126	T A P O R I M B	67	ACCGTCAGATCGCTGGA	GATCGGCTCCGGTGTCTT	ACGCCATCACGCTGTTTGAACCTC	Boeckh 2004 Journal of Clinical Microbiology Vol: 42(3) p 1142-1148
65	UL123-exon4	T A P R I M B	84	TCCCCTTATCTCRGGTACA	TGAGCCTTTCGAGGASATGAA	TCTCATACATGCTCTGCATAGTTAGCCCAATACA	Boeckh 2004 Journal of Clinical Microbiology Vol: 42(3) p 1142-1148
66	MIE outer	T A	435	CCAAGCGGGCTCTGATAACCAAGCC	CAGCACCATCTCTCTCTCTGG	CAGCACCATCTCTCTCTCTCTGA	Ikwaki 2005 Bone Marrow Transplantation (2005) 35, 403-410
67	MIE inner	P O I M B	162	CCACCCGGTGGCCAGCTCC	CCCCTCTCTCTGAGCACC		Ross Haynes correction based on Towne and AD169 sequences
68	IE	T A P O R I M B	94	CAGATTAAGGTTGAGTGGACATG	AGGGCCAGTGAATTTCTCTT	[FAM]TGCAGGATAGAATCAAGGAGCACATG[TAMRA]	Ross Haynes Correction based on other sequence data
69	IE 2 exon 5 region	T A P O R I M B	53	GAGCCGACTTTACCATCCA	CAGCGGCGGTATCGA	VIC-ACCGCAACAAGATTMGBNFQ	Ross Haynes Correction based on AD169 (X17403) sequence data
US7 - 9							
70	US7, 8	?		GGATCCGCATGGCATTACCGTATGT	GAATTCAGTGGATAACCTGCGCGCA		Drouet et al. (1995) JOURNAL OF CLINICAL MICROBIOLOGY, Feb. 1995, p. 389-394
71	US9	?		GGACGTATCCACTCAGGTACACA	TACGTTACGAAACTGAGTCCCAC	CGTGTTCACAACTGCACCAGTACCAC-Fluor Red640-TAGAGGAATGTCAGGTAGCGTCTCTCCG-Phos	Corrected in Habbal et al., 2005 Razonable et al. (2001) JOURNAL OF CLINICAL MICROBIOLOGY, Dec. 2001, p. 4472-4476

US17		T A P O R I M B		CGTGTCTTTAGCCTCTGCA		FAM-TgATCgGcTtATCgCgTtTtGATC-TAMRA	
72	US17	A P R I M B	151	GCCTGCTTTTAGCCTCTGCA	AAAAGTTTGTGCCCAACGGTA	[FAM]TgATCgGcTtATCgCgTtTtGATC-TAMRA	Machida 2000 JOURNAL OF CLINICAL MICROBIOLOGY, July 2000, p. 2536-2542
72	US17			GCCTGCTTTTAGCCTCTGCA	AAAAGTTTGTGCCCAACGGTA	[FAM]TgATCgGcTtATCgCgTtTtGATC-TAMRA	Ikwaki 2003 JOURNAL OF CLINICAL MICROBIOLOGY, Sept. 2003, p. 4382-4387
72	US17			GCCTGCTTTTAGCCTCTGCA	AAAAGTTTGTGCCCAACGGTA	[FAM]TgATCgGcTtATCgCgTtTtGATC-TAMRA	Ikwaki 2005 Bone Marrow Transplantation (2005) 35, 403-410
73	US17	T A P O R I M B	60	CGATCAAGAAGCAGGATAACG	ACCGTCGATGGCAGGTCTAT	FAM-CGATCACAAAGCAGC-MGB	Sanghavi 2008 Journal of Clinical Virology 42 (2008) 335-342

* Primers originally a duplex
T = Towne (AY315197.2)
A = AD169 (X17403.1)
P = PH-BAC (AC146904.1)
O = Toledo (AC146905.1)
R = TR-BAC (AC146906.1)
I = FIX-BAC (AC146907.1)
M = Merlin (NC_006273.2)
B = TB40/E (EF999921.1)

Other resources

Errors in Published Sequences of Human Cytomegalovirus Primers and Probes: Do We Need More Quality Control?	Habbal 2005 JOURNAL OF CLINICAL MICROBIOLOGY, Oct. 2005, p. 5408-5409
Optimization of Human Cytomegalovirus LightCycler Real-Time PCR	Habbal 2001 J Infect Developing Countries 2008; 2(5):406-410
Comparative evaluation of published cytomegalovirus primers for rapid real-time PCR: which are the most sensitive?	Habbal 2009 Journal of Medical Microbiology (2009), 58, 878-883