



Hantavirus S Segment targeting oligonucleotide primers

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Oligo name	Sequence as mapped	Sequence as ordered	bp	Position	GC content (%)	Melt Temp °C	Hairpin ΔG	HmDim ΔG	HtDim	Application	Reference
HTS F538	GAAGADGTCAAYGGBAT	GAAGADGTCAAYGGBAT	17	496	44.1 %	46.9 °C	0.29	-4.19	-5.85	RT-qPCR	Chu YK, 2003
HTS R1163	ACWCARTCWATGGGRATHCA	TGDATYCCCATWGAYTGWGT	20	1102	41.7 %	51.3 °C	1.14	-9.04	-5.85	RT-qPCR	Chu YK, 2003
HTS NF691	AGYCCWGTATGGGDGTVAT	AGYCCWGTATGGGDGTVAT	20	649	50%	55.4 °C	1.46	-8.09	-8.94	RT-qPCR	Chu YK, 2003
HTS NR1061	CTBCAGGAYATGMGAAAYAC	GTRTTTCKCATRTCCTGVAG	20	1000	45.8 %	50.9 °C	1.23	-9.57	-8.94	RT-qPCR	Chu YK, 2003
HNT-SOF2	GTTTGGGTGTTTGCATGTGC	GTTTGGGTGTTTGCATGTGC	20	910	50%	55 °C	-0.87	-7.05	-5.99	RT-qPCR	Chu YK, 2008
HNT-SOR	ATGGGRATTCAACTGGACCA	TGGTCCAGTTGAATYCCCAT	20	1111	47.5 %	54.8 °C	-0.51	-9.08	-5.99	RT-qPCR	Chu YK, 2008
HNT-SIF2	CCCACCGACAGCATTATATG	CCCACCGACAGCATTATATG	20	942	50%	52,9 °C	-0.12	-3.91	-5.02	RT-qPCR	Chu YK, 2008
HNT-SIR	ATGGCATCAAAGTCTGTAGG	CCTACAGACTTTGATGCCAT	20	1024	45%	51.9 °C	0.26	-3.43	-5.02	RT-qPCR	Chu YK, 2008
FWR	GCAGACGGGCAGCTGTG	GCAGACGGGCAGCTGTG	17	137	70.6 %	59.4 °C	-0.89	-10.24	-9.75	RT-qPCR	Botten J, 2003
REV	AGCGGGAACCTGGCTGATCT	AGATCAGCCAGTTCCCGCT	19	185	57.9 %	58.6 °C	-0.27	-4.74	-9.75	RT-qPCR	Botten J, 2003
HPS-S-F1	AATGAGCACCCCTCAAAGAAGT	AATGAGCACCCCTCAAAGAAGT	21	-1	42.9 %	54 °C	-2.01	-5.13	-6.14	RT-qPCR	Terajima M, 1999
HPS-S-R2	GGGATTGAACCTGATGACCAT	ATGGTCATCAGGTTCAATCCC	21	247	47.6 %	54.5 °C	-0.46	-3.43	-6.14	RT-qPCR	Terajima M, 1999
S208L	ACCAAACCTCGGAGAACTCAAAC	ACCAAACCTCGGAGAACTCAAAC	22	166	45.5 %	54.9 °C	-0.86	-3.61	-5.02	RT-qPCR	Bagamian K, 2013
S1094R	CAAAATCTGTGGGAACATCTGA	TCAGATGTTCCACAGATTTTG	22	1031	40.9 %	52.8 °C	-1.53	-3.3	-5.02	RT-qPCR	Bagamian K, 2013

Notes: 1.-Calculated through IDT oligo design tool (<https://www.idtdna.com/calc/analyzer>) using .2uM oligo concentration, 50mM Na+ concentration, 2mM Mg++ concentration and 2.4mM dNTP concentration.
2.-DeltaG's calculated using oligo sequence as ordered