

## Supplemental Tables and Figures

**Table S1 HIV-1 Poly Protease Sequence Information**

Sequence Information	HIV-1 Poly protease 198mer synthesized from bases 2253 – 2550
Source	HIV-1 Reference Sequence, Los Alamos National Laboratory
Target sequence (3' to 5')	GGAAGCTCTATTAGATACAGGAGCAGATGATACAGTATTAGAAGAAATGA GTTTGCCAGGAAGATGGAAACCAAAAATGATAGGGGGAATTGGAGGTTTT ATCAAAGTAAGACAGTATGATCAGATACTCATAGAAATCTGTGGACATAA AGCTATAGGTACAGTATTAGTAGGACCTACACCTGTCAACATAAATTGG
Forward Primer (3' to 5')	GGAAGCTCTATTAGATACAGGAGCAG
Reverse Primer (3' to 5')	CCAATTATGTTGACAGGTGTAGGTCC
Probe 1 (3' to 5')	/56-FAM/TGAGTTTGCCAGGAAGATGGAAACCA/3BHQ_1/

**Table S2 HIV-1 P17 Sequence Information**

Sequence Name	HIV-1 P17 199mer synthesized from bases 790 – 1186
Source	HIV-1 Reference Sequence, Los Alamos National Laboratory
Target sequence (3' to 5')	CAGCTACAACCATCCCTTCAGACAGGATCAGAAGAAGCTTAGATCATTATA TAATACAGTAGCAACCCCTCTATTGTGTGCATCAAAGGATAGAGATAAAAAG ACACCAAGGAAGCTTTAGACAAGATAGAGGAAGAGCAAAAACAAAAGTAAG AAAAAAGCACAGCAAGCAGCAGCTGACACAGGACACAGCAATCAGGTCA
Forward Primer (3' to 5')	CAGCTACAACCATCCCTTCAGACA
Reverse Primer (3' to 5')	TGACCTGATTGCTGTGTCTCTGTGT
Probe 1 (3' to 5')	/56-FAM/AGCAACCCCTCTATTGTGTGCATCAAAGG/3BHQ_1
Probe 2 (3' to 5')	/5Cy3/AAAGCACAGCAAGCAGCAGCTGA/3BHQ_2/

**Table S3 Malaria ChR7 Sequence Information**

Sequence Name	Malaria ChR7 199mer synthesized from bases 1139138 - 1141223
Source	UCSC Plasmodium falciparum Genome Browser Gateway
Target sequence (3' to 5')	GCCTAACATGGCTATGACGGGTAACGGGGAATTAGAGTTCGATTCGGGAG AGGGAGCCTGAGAAATAGCTACCACATCTAAGGAAGGCAGCAGGCGCGTA AATTACCCAATTCTAAAGAAGAGAGGTAGTGACAAGAAATAACAATGCAA GGCCAATTTAAAACCTTCCCAGAGTAACAATTGGAGGGCAAGTCTGGTG
Forward Primer (3' to 5')	GCCTAACATGGCTATGACGGGTA
Reverse Primer (3' to 5')	CACCAGACTTGCCCTCCAATTGTT
Probe 1 (3' to 5')	/56-FAM/ATTCCGGAGAGGGAGCCTGAGAAATA/3BHQ_1/
Probe 2 (3' to 5')	/56-ROXN/AAGGAAGGCAGCAGGCGCGTAAATTA/3BHQ_2/

**Table S4 Herpes Simplex Virus-2 Sequence Information**

Sequence Name	HSV-2 193mer synthesized from HSV-2 genome
Source	EMBL Bank AJ303204
Target sequence (3' to 5')	TCAGCCCATCCCTCCCTTCGGCAGTATGGAGGGTGTGCGCGCGGGCAGCCGC CGTCCCCAAAGACGTGCGGGTTCGTACACGTACACGTACCAGGGCGGGCGGG CCTCCGACCCGGTACGCTCTCGTAAATGCTTCCCTGCTGGTGCCGATCTG GGACCGCGCCGCGGAGACATTCGAGTACCAGATCGAACTCGG

Forward Primer (3' to 5')	TCAGCCCATCCTCCTTCGGCAGTAT
Reverse Primer (3' to 5')	CCGAGTTCGATCTGGTACTCGAATGT
Probe 1 (3' to 5')	/56-FAM/AAAGACGTGCGGGTCGTACACGTACA/3BHQ_1/
Probe 2 (3' to 5')	/5Cy5/TAAATGCTTCCCTGCTGGTGCCGAT/3IAbRQSp/

**Table S5 Tuberculosis rpoB Sequence Information**

Sequence Name	Mycobacterium Tuberculosis rpoB 200mer synthesized from Mycobacterium tuberculosis rpoB genome
Source	EMBL Bank GQ395623
Target sequence (3' to 5')	GAGTGCAAAGACAAGGACATGACGTACGCGGCCCGCTGTTTCGTCACGGC CGAGTTCATCAACAACAACACCGGGCGAGATCAAGAGCCAGACGGTGTTCAT TGGGTGACTTCCCGATGATGACCGAGAAGGGCACCTTCATCATCAACGGC ACCGAGCGGTCGTGGTCAGCCAGCTGGTCCGTCGCCCCGGTGTGTACTT
Forward Primer (3' to 5')	GAGTGCAAAGACAAGGACATGACG
Reverse Primer (3' to 5')	AAGTACACACCGGGCGAGC
Probe 1 (3' to 5')	/56-FAM/CGCTGTTTCGTCACGGCCGAGTTCAT/3BHQ_1/
Probe 2 (3' to 5')	/5Cy3/AGATCAAGAGCCAGACGGTGTTCATG/3BHQ_2/
Probe 3 (3' to 5')	/5Cy5/AAGGGCACCTTCATCATCAACGGCA/3IAbRQSp/

**Table S6 Dengue Virus Type 3 Sequence Information**

Sequence Name	Dengue Virus Type 3 200mer synthesized from Dengue Virus Type 3 genome
Source	GenBank M93130
Target sequence (3' to 5')	ATGCCAACTGTGATTGAGCACTTAGAAAGACTACAAAGGAAACATGGAGG AATGCTTGTGAGAAATCCACTCTCACGAAACTCCACGCACGAAATGTATT GGATATCCAATGGTACAGGCAACATCGTCTCATTCACAATGACACACAGG AGACCCACCATAGAGAAAGATGTGGATTTAGGAGCAGGAACCCGACATGT
Forward Primer (3' to 5')	ATGCCAACTGTGATTGAGCACT
Reverse Primer (3' to 5')	ACATGTCGGGTTCCCTGCTCCTAAA
Probe 1 (3' to 5')	/56-FAM/ACAAAGGAAACATGGAGGAATGCTTGTGA/3BHQ_1/
Probe 2 (3' to 5')	/5Cy3/ACTCTCACGAAACTCCACGCACGAAA/3BHQ_2/
Probe 3 (3' to 5')	/56-ROXN/ACAATGACACACAGGAGACCCACCAT/3BHQ_2/
Probe 4 (3' to 5')	/5Cy5/GGATATCCAATGGTACAGGCAACATCGT/3IAbRQSp/

**Table S7 Experiment 1 Cocktail**

Reagents	Concentration	Volume Added
UltraPure Water	-	34µL
Taq 5x Master Mix	-	42µL
Templates	Concentration	Volume Added
Poly Protease Template	17nM	2µL
Primers	Concentration	Volume Added
Poly Protease FWD Primer	1µM	2µL
Poly Protease RVS Primer	1µM	2µL
Probes	Concentration	Volume Added
Poly Protease Probe 1	1µM	2µL

**Table S8 Experiment 2 Cocktail**

Reagents	Concentration	Volume Added
UltraPure Water	-	28 $\mu$ L
Taq 5x Master Mix	-	42 $\mu$ L
Templates	Concentration	Volume Added
Malaria Template	15nM	2 $\mu$ L
Herpes Template	17nM	2 $\mu$ L
TB Template	16nM	2 $\mu$ L
Dengue Virus Template	17nM	2 $\mu$ L
Primers	Concentration	Volume Added
Poly Protease FWD Primer	1 $\mu$ M	2 $\mu$ L
Poly Protease RVS Primer	1 $\mu$ M	2 $\mu$ L
Probes	Concentration	Volume Added
Poly Protease Probe 1	1 $\mu$ M	2 $\mu$ L

**Table S9 Experiment 3 Cocktail**

Reagents	Concentration	Volume Added
UltraPure Water	-	32 $\mu$ L
Taq 5x Master Mix	-	42 $\mu$ L
Templates	Concentration	Volume Added
Malaria Template	15nM	2 $\mu$ L
Primers	Concentration	Volume Added
Malaria FWD Primer	1 $\mu$ M	2 $\mu$ L
Malaria RVS Primer	1 $\mu$ M	2 $\mu$ L
Probes	Concentration	Volume Added
Malaria Probe 1	1 $\mu$ M	2 $\mu$ L
Malaria Probe 2	1 $\mu$ M	2 $\mu$ L

**Table S10 Experiment 4 Cocktail**

Reagents	Concentration	Volume Added
UltraPure Water	-	26 $\mu$ L
Taq 5x Master Mix	-	42 $\mu$ L
Templates	Concentration	Volume Added
Poly Protease Template	17nM	2 $\mu$ L
Herpes Template	17nM	2 $\mu$ L
TB Template	16nM	2 $\mu$ L
Dengue Virus Template	17nM	2 $\mu$ L
Primers	Concentration	Volume Added
Malaria FWD Primer	1 $\mu$ M	2 $\mu$ L
Malaria RVS Primer	1 $\mu$ M	2 $\mu$ L
Probes	Concentration	Volume Added
Malaria Probe 1	1 $\mu$ M	2 $\mu$ L
Malaria Probe 2	1 $\mu$ M	2 $\mu$ L

**Table S11 Experiment 5 Cocktail**

Reagents	Concentration	Volume Added
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UltraPure Water	-	32µL
Taq 5x Master Mix	-	42µL
<b>Templates</b>	<b>Concentration</b>	<b>Volume Added</b>
Herpes Template	17nM	2µL
<b>Primers</b>	<b>Concentration</b>	<b>Volume Added</b>
Herpes FWD Primer	1µM	2µL
Herpes RVS Primer	1µM	2µL
<b>Probes</b>	<b>Concentration</b>	<b>Volume Added</b>
Herpes Probe 1	1µM	2µL
Herpes Probe 2	1µM	2µL

**Table S12 Experiment 6 Cocktail**

<b>Reagents</b>	<b>Concentration</b>	<b>Volume Added</b>
UltraPure Water	-	26µL
Taq 5x Master Mix	-	42µL
<b>Templates</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease Template	17nM	2µL
Malaria Template	15nM	2µL
TB Template	16nM	2µL
Dengue Virus Template	17nM	2µL
<b>Primers</b>	<b>Concentration</b>	<b>Volume Added</b>
Herpes FWD Primer	1µM	2µL
Herpes RVS Primer	1µM	2µL
<b>Probes</b>	<b>Concentration</b>	<b>Volume Added</b>
Herpes Probe 1	1µM	2µL
Herpes Probe 2	1µM	2µL

**Table S13 Experiment 7 Cocktail**

<b>Reagents</b>	<b>Concentration</b>	<b>Volume Added</b>
UltraPure Water	-	30µL
Taq 5x Master Mix	-	42µL
<b>Templates</b>	<b>Concentration</b>	<b>Volume Added</b>
TB Template	16nM	2µL
<b>Primers</b>	<b>Concentration</b>	<b>Volume Added</b>
TB FWD Primer	1µM	2µL
TB RVS Primer	1µM	2µL
<b>Probes</b>	<b>Concentration</b>	<b>Volume Added</b>
TB Probe 1	1µM	2µL
TB Probe 2	1µM	2µL
TB Probe 3	1µM	2µL

**Table S14 Experiment 8 Cocktail**

<b>Reagents</b>	<b>Concentration</b>	<b>Volume Added</b>
UltraPure Water	-	30µL
Taq 5x Master Mix	-	42µL

Templates	Concentration	Volume Added
Poly Protease Template	17nM	2µL
Malaria Template	15nM	2µL
Herpes Template	17nM	2µL
Dengue Virus Template	17nM	2µL
Primers	Concentration	Volume Added
TB FWD Primer	1µM	2µL
TB RVS Primer	1µM	2µL
Probes	Concentration	Volume Added
TB Probe 1	1µM	2µL
TB Probe 2	1µM	2µL
TB Probe 3	1µM	2µL

**Table S15 Experiment 9 Cocktail**

Reagents	Concentration	Volume Added
UltraPure Water	-	28µL
Taq 5x Master Mix	-	42µL
Templates	Concentration	Volume Added
Dengue Virus Template	17nM	2µL
Primers	Concentration	Volume Added
Dengue Virus FWD Primer	1µM	2µL
Dengue Virus RVS Primer	1µM	2µL
Probes	Concentration	Volume Added
Dengue Virus Probe 1	1µM	2µL
Dengue Virus Probe 2	1µM	2µL
Dengue Virus Probe 3	1µM	2µL
Dengue Virus Probe 4	1µM	2µL

**Table S16 Experiment 10 Cocktail**

Reagents	Concentration	Volume Added
UltraPure Water	-	22µL
Taq 5x Master Mix	-	42µL
Templates	Concentration	Volume Added
Poly Protease Template	17nM	2µL
Malaria Template	15nM	2µL
Herpes Template	17nM	2µL
TB Template	16nM	2µL
Primers	Concentration	Volume Added
Dengue Virus FWD Primer	1µM	2µL
Dengue Virus RVS Primer	1µM	2µL
Probes	Concentration	Volume Added
Dengue Virus Probe 1	1µM	2µL
Dengue Virus Probe 2	1µM	2µL
Dengue Virus Probe 3	1µM	2µL
Dengue Virus Probe 4	1µM	2µL

**Table S17 Experiment 11 Cocktail**

Reagents	Concentration	Volume Added
Taq 5x Master Mix	-	42µL
Templates	Concentration	Volume Added
Poly Protease Template	17nM	2µL
Malaria Template	15nM	2µL
Herpes Template	17nM	2µL
Dengue Virus Template	17nM	2µL
Primers	Concentration	Volume Added
Poly Protease FWD Primer	1µM	2µL
Poly Protease RVS Primer	1µM	2µL
Malaria FWD Primer	1µM	2µL
Malaria RVS Primer	1µM	2µL
Herpes FWD Primer	1µM	2µL
Herpes RVS Primer	1µM	2µL
Dengue Virus FWD Primer	1µM	2µL
Dengue Virus RVS Primer	1µM	2µL
Probes	Concentration	Volume Added
Poly Protease Probe 1	1µM	2µL
Malaria Probe 1	1µM	2µL
Malaria Probe 2	1µM	2µL
Herpes Probe 1	1µM	2µL
Herpes Probe 2	1µM	2µL
Dengue Virus Probe 1	1µM	2µL
Dengue Virus Probe 2	1µM	2µL
Dengue Virus Probe 3	1µM	2µL
Dengue Virus Probe 4	1µM	2µL

**Table S18 Experiment 12 Cocktail**

Reagents	Concentration	Volume Added
UltraPure Water	-	2µL
Taq 5x Master Mix	-	42µL
Templates	Concentration	Volume Added
Poly Protease Template	17nM	2µL
Malaria Template	15nM	2µL
Herpes Template	17nM	2µL
TB Template	16nM	2µL
Primers	Concentration	Volume Added
Poly Protease FWD Primer	1µM	2µL
Poly Protease RVS Primer	1µM	2µL
Malaria FWD Primer	1µM	2µL
Malaria RVS Primer	1µM	2µL
Herpes FWD Primer	1µM	2µL
Herpes RVS Primer	1µM	2µL

TB FWD Primer		1µM	2µL
TB RVS Primer		1µM	2µL
<b>Probes</b>	<b>Concentration</b>		<b>Volume Added</b>
Poly Protease Probe 1		1µM	2µL
Malaria Probe 1		1µM	2µL
Malaria Probe 2		1µM	2µL
Herpes Probe 1		1µM	2µL
Herpes Probe 2		1µM	2µL
TB Probe 1		1µM	2µL
TB Probe 2		1µM	2µL
TB Probe 3		1µM	2µL

**Table S19 Experiment 13 Cocktail**

<b>Reagents</b>	<b>Concentration</b>		<b>Volume Added</b>
UltraPure Water		-	12µL
Taq 5x Master Mix		-	42µL
<b>Templates</b>	<b>Concentration</b>		<b>Volume Added</b>
Poly Protease Template		17nM	2µL
Herpes Template		17nM	2µL
TB Template		16nM	2µL
<b>Primers</b>	<b>Concentration</b>		<b>Volume Added</b>
Poly Protease FWD Primer		1µM	2µL
Poly Protease RVS Primer		1µM	2µL
Herpes FWD Primer		1µM	2µL
Herpes RVS Primer		1µM	2µL
TB FWD Primer		1µM	2µL
TB RVS Primer		1µM	2µL
<b>Probes</b>	<b>Concentration</b>		<b>Volume Added</b>
Poly Protease Probe 1		1µM	2µL
Herpes Probe 1		1µM	2µL
Herpes Probe 2		1µM	2µL
TB Probe 1		1µM	2µL
TB Probe 2		1µM	2µL
TB Probe 3		1µM	2µL

**Table S20 Experiment 14 Cocktail**

<b>Reagents</b>	<b>Concentration</b>		<b>Volume Added</b>
UltraPure Water		-	10µL
Taq 5x Master Mix		-	42µL
<b>Templates</b>	<b>Concentration</b>		<b>Volume Added</b>
Poly Protease Template		17nM	2µL
Malaria Template		15nM	2µL
Dengue Virus Template		17nM	2µL
<b>Primers</b>	<b>Concentration</b>		<b>Volume Added</b>
Poly Protease FWD Primer		1µM	2µL

Poly Protease RVS Primer	1µM	2µL
Malaria FWD Primer	1µM	2µL
Malaria RVS Primer	1µM	2µL
Dengue Virus FWD Primer	1µM	2µL
Dengue Virus RVS Primer	1µM	2µL
<b>Probes</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease Probe 1	1µM	2µL
Malaria Probe 1	1µM	2µL
Malaria Probe 2	1µM	2µL
Dengue Virus Probe 1	1µM	2µL
Dengue Virus Probe 2	1µM	2µL
Dengue Virus Probe 3	1µM	2µL
Dengue Virus Probe 4	1µM	2µL

**Table S21 Binary FAM Experiment 1 Cocktail**

<b>Reagents</b>	<b>Concentration</b>	<b>Volume Added</b>
UltraPure Water	-	50µL
Taq 5x Master Mix	-	25µL
<b>Templates</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease Template	17nM	4µL
P17 Template	15nM	4µL
Dengue Virus Template	17nM	4µL
<b>Primers</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease FWD Primer	1µM	4µL
Poly Protease RVS Primer	1µM	4µL
P17 FWD Primer	1µM	4µL
P17 RVS Primer	1µM	4µL
Dengue Virus FWD Primer	1µM	4µL
Dengue Virus RVS Primer	1µM	4µL
<b>Probes</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease Probe 1	800nM	4µL
P17 Probe 1	400nM	4µL
Dengue Virus Probe 1	200nM	4µL

**Table S22 Binary FAM Experiment 2 Cocktail**

<b>Reagents</b>	<b>Concentration</b>	<b>Volume Added</b>
UltraPure Water	-	54µL
Taq 5x Master Mix	-	25µL
<b>Templates</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease Template	17nM	-
P17 Template	15nM	4µL
Dengue Virus Template	17nM	4µL
<b>Primers</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease FWD Primer	1µM	4µL
Poly Protease RVS Primer	1µM	4µL



P17 FWD Primer	1µM	4µL
P17 RVS Primer	1µM	4µL
Dengue Virus FWD Primer	1µM	4µL
Dengue Virus RVS Primer	1µM	4µL
<b>Probes</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease Probe 1	800nM	4µL
P17 Probe 1	400nM	4µL
Dengue Virus Probe 1	200nM	4µL

**Table S23 Binary FAM Experiment 3 Cocktail**

<b>Reagents</b>	<b>Concentration</b>	<b>Volume Added</b>
UltraPure Water	-	54µL
Taq 5x Master Mix	-	25µL
<b>Templates</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease Template	17nM	4µL
P17 Template	15nM	-
Dengue Virus Template	17nM	4µL
<b>Primers</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease FWD Primer	1µM	4µL
Poly Protease RVS Primer	1µM	4µL
P17 FWD Primer	1µM	4µL
P17 RVS Primer	1µM	4µL
Dengue Virus FWD Primer	1µM	4µL
Dengue Virus RVS Primer	1µM	4µL
<b>Probes</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease Probe 1	800nM	4µL
P17 Probe 1	400nM	4µL
Dengue Virus Probe 1	200nM	4µL

**Table S24 Binary FAM Experiment 4 Cocktail**

<b>Reagents</b>	<b>Concentration</b>	<b>Volume Added</b>
UltraPure Water	-	54µL
Taq 5x Master Mix	-	25µL
<b>Templates</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease Template	17nM	4µL
P17 Template	15nM	4µL
Dengue Virus Template	17nM	-
<b>Primers</b>	<b>Concentration</b>	<b>Volume Added</b>
Poly Protease FWD Primer	1µM	4µL
Poly Protease RVS Primer	1µM	4µL
P17 FWD Primer	1µM	4µL
P17 RVS Primer	1µM	4µL
Dengue Virus FWD Primer	1µM	4µL
Dengue Virus RVS Primer	1µM	4µL
<b>Probes</b>	<b>Concentration</b>	<b>Volume Added</b>

Poly Protease Probe 1	800nM	4µL
P17 Probe 1	400nM	4µL
Dengue Virus Probe 1	200nM	4µL

**Table S25 Binary FAM Experiment 5 Cocktail**

Reagents	Concentration	Volume Added
UltraPure Water	-	58µL
Taq 5x Master Mix	-	25µL
Templates	Concentration	Volume Added
Poly Protease Template	17nM	-
P17 Template	15nM	-
Dengue Virus Template	17nM	4µL
Primers	Concentration	Volume Added
Poly Protease FWD Primer	1µM	4µL
Poly Protease RVS Primer	1µM	4µL
P17 FWD Primer	1µM	4µL
P17 RVS Primer	1µM	4µL
Dengue Virus FWD Primer	1µM	4µL
Dengue Virus RVS Primer	1µM	4µL
Probes	Concentration	Volume Added
Poly Protease Probe 1	800nM	4µL
P17 Probe 1	400nM	4µL
Dengue Virus Probe 1	200nM	4µL

**Table S26 Binary FAM Experiment 6 Cocktail**

Reagents	Concentration	Volume Added
UltraPure Water	-	58µL
Taq 5x Master Mix	-	25µL
Templates	Concentration	Volume Added
Poly Protease Template	17nM	-
P17 Template	15nM	4µL
Dengue Virus Template	17nM	-
Primers	Concentration	Volume Added
Poly Protease FWD Primer	1µM	4µL
Poly Protease RVS Primer	1µM	4µL
P17 FWD Primer	1µM	4µL
P17 RVS Primer	1µM	4µL
Dengue Virus FWD Primer	1µM	4µL
Dengue Virus RVS Primer	1µM	4µL
Probes	Concentration	Volume Added
Poly Protease Probe 1	800nM	4µL
P17 Probe 1	400nM	4µL
Dengue Virus Probe 1	200nM	4µL

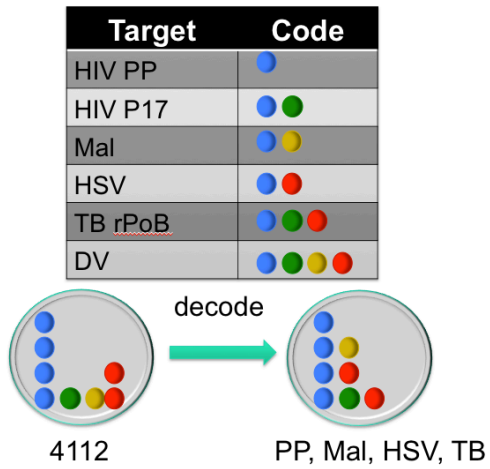
**Table S27 Binary FAM Experiment 7 Cocktail**

Reagents	Concentration	Volume Added
UltraPure Water	-	58µL
Taq 5x Master Mix	-	25µL
Templates	Concentration	Volume Added
Poly Protease Template	17nM	4µL
P17 Template	15nM	-
Dengue Virus Template	17nM	-
Primers	Concentration	Volume Added
Poly Protease FWD Primer	1µM	4µL
Poly Protease RVS Primer	1µM	4µL
P17 FWD Primer	1µM	4µL
P17 RVS Primer	1µM	4µL
Dengue Virus FWD Primer	1µM	4µL
Dengue Virus RVS Primer	1µM	4µL
Probes	Concentration	Volume Added
Poly Protease Probe 1	800nM	4µL
P17 Probe 1	400nM	4µL
Dengue Virus Probe 1	200nM	4µL

**Figure S1 TaqMan Probe Coding of Control and Target Sequences for Supercolor Coded PCR using the First Scheme**



**Figure S2 Readout of a Valid Code**



**Figure S3 Readout of an Invalid Code**

