

Dataset	Replica set	ID	Replica	Original sample Type	Diagnostic Pathogen load IU/ml	Extraction method	Volume extracted uL	Elution Volume uL	Library Prep Protocol	Estimated target genomes input	No. of pre-hyb PCR cycles	No. of post-hyb PCR cycles	Mean read depth following alignment
HIV	1	HIV1_2176	1	Plasma	225987	Qiagen DSP Virus pathogen Midi kit	1000	110	cDNA synthesis followed by standard SureSelectXT 200 ng protocol	16424	12	18	8605
			2		70389				22	6377			
	2	HIV1_2184	1		322841				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	20076		18	4496
			2		100379				22	7111			
	3	HIV1_2188	1		5300788				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	329925		18	7506
			2						1649623	18		16673	
	4	HIV1_2196	1		5834				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	1462		18	10059
			2						1814	18		106	
	5	HIV1_2199	1		4971483				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	360344		18	9061
			2						1544333	18		10622	
	6	HIV1_2200	1		133396				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	9678		18	2574
			2						41476	22		6256	
	7	HIV1_2204	1		38153				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	2765		18	615
			2						11852	22		1718	
	8	HIV1_2207	1		39286				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	2441		18	2953
			2						12204	22		4599	
	9	HIV1_2208	1		144655				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	9011		18	7058
			2						45056	22		9573	
	10	HIV1_2218	1		82080				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	7695		18	8394
			2						25650	22		3473	
	11	HIV1_2221	1		368546				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	22959		18	10037
			2						114793	22		6787	
	12	HIV1_2223	1		3799				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	592		18	36417
			2						1183	18		407	
	13	HIV1_2225	1		42622655				cDNA synthesis followed by standard SureSelectXT 200 ng protocol	3569501		18	5515
			2						13385627	18		12256	