

Dataset	Sample	Number of reads	Number of reads removed because of:						Final read number	Reduced by (%)	average reads length	sequence output (Mbp)
			Outside bounds (150-400)	Ambiguous bases	Mean quality <25	Homopolymer runs >7bp	Primer mismatch >1	Low quality window truncation results in <150bp				
Healthy controls	HC4	705107	117184	0	0	485	49256	22309	515873	26.84%	187.2	96.57
	HC6	516755	64323	0	0	701	30268	16062	405401	21.55%	189.1	76.66
	HC8	452171	83112	0	0	664	19712	17609	331074	26.78%	193.25	63.98
	HC9	800844	154617	0	0	1175	49787	35075	560190	30.05%	186.3	104.36
	HC11	750409	102522	0	0	646	27941	24678	594622	20.76%	192.2	114.29
	HC13	682959	157189	0	0	7249	19937	38886	459698	32.69%	191.1	87.85
	HC14	950453	170255	0	0	7614	35618	26086	710879	25.21%	189	134.36
	HC16	624186	91195	0	0	705	20792	15731	495763	20.57%	186.4	92.41
	HC19	1324073	418738	0	0	2426	35519	33300	834090	37.01%	187.4	156.31
	HC20	1523816	349659	0	0	1469	142882	63653	966152	36.60%	189.6	183.18
	HC21	822090	99350	0	0	855	59218	19277	643390	21.74%	189.3	121.79
	HC22	559020	65118	0	0	1086	33420	14406	444990	20.40%	191.7	85.30
	HC26	647372	154647	0	0	672	23038	23939	445076	31.25%	186.3	82.92
	HC27	766684	297828	0	0	2071	16239	40393	410153	46.50%	184	75.47
	HC28	803461	169323	0	0	4049	30558	24060	575471	28.38%	189.6	109.11
	HC29	837208	354714	0	0	158	30128	21789	430419	48.59%	190.2	81.87
	HC30	784110	86460	0	0	1414	61435	21367	613434	21.77%	193.3	118.58
HC31	835948	97078	0	0	648	48554	19778	669890	19.86%	191.2	128.08	
HC32	1419470	189686	0	0	1954	90892	38689	1098249	22.63%	188.6	207.13	
HC33	653027	137698	0	0	596	44159	19113	451461	30.87%	188.5	85.10	
SLE patients	SLE1	593645	145786	0	0	1825	13490	18748	413796	30.30%	187.1	77.42
	SLE2	1008507	190635	0	0	4002	34536	24177	755155	25.12%	193.7	146.27
	SLE4	675462	245708	0	0	223	31425	11020	387086	42.69%	194.5	75.29
	SLE5	815861	173680	0	0	844	57027	34675	549635	32.63%	189.5	104.16
	SLE6	1609871	237380	0	0	1886	68786	34556	1267263	21.28%	193	244.58
	SLE7	529028	101529	0	0	663	32569	26278	367989	30.44%	190.4	70.07
	SLE11	596855	99732	0	0	1006	25782	23688	446647	25.17%	187	83.52
	SLE12	1203765	222933	0	0	1196	49622	41299	888715	26.17%	195.8	174.01
	SLE13	1184606	301608	0	0	1092	40057	33837	808012	31.79%	192.3	155.38
	SLE14	752639	195841	0	0	1008	23901	36877	495012	34.23%	190.2	94.15
	SLE15	1378807	331578	0	0	3851	49347	36457	957574	30.55%	190.6	182.51
	SLE16	976561	244070	0	0	586	52941	29671	649293	33.51%	190.8	123.89
	SLE17	1091503	248805	0	0	938	98180	37672	705908	35.33%	191	134.83
	SLE18	550336	87101	0	0	777	46112	20734	395612	28.11%	195.9	77.50
	SLE19	719033	132480	0	0	950	61030	24548	500025	30.46%	197.5	98.75
	SLE20	524211	96018	0	0	944	28466	15987	382796	26.98%	192	73.50
	SLE21	827185	82885	0	0	2110	28076	18795	695319	15.94%	197	136.98
SLE22	552419	74815	0	0	394	22631	8735	445844	19.29%	200	89.17	
SLE24	625567	129481	0	0	130	18311	6806	470839	24.73%	190.7	89.79	
SLE26	609646	96214	0	0	1267	29003	29774	453388	25.63%	190.9	86.55	
Average		832117	169974	0	0	1558	42016	26263	592305	28.51%	190.85	113.09