

**S1 Table. Number of reads.** Number of raw reads, reads after quality assessment, and reads not mapping to PhiX, and thus usable for subsequent analysis. *\_S* = sample, *\_C* = Negative control

<b>Sample</b>	<b>Raw Reads</b>	<b>After Quality Assessment</b>	<b>notPhiX</b>
<b>PEG_NUC_S</b>	3923962	3762219	3705374
<b>PEG_NUC_S</b>	3754402	3578360	3532436
<b>PEG_NUC_S</b>	4271192	4095460	4014236
<b>PEG_NUC_C</b>	559652	456178	443970
<b>SMF_NUC_S</b>	4508374	4332741	4264728
<b>SMF_NUC_S</b>	4360562	4192762	4130628
<b>SMF_NUC_S</b>	4241578	4084436	4026938
<b>SMF_NUC_</b>	1101064	1003153	988386
<b>MAF_NUC_S</b>	4259050	4084200	4030550
<b>MAF_NUC_S</b>	3719448	3529342	3494230
<b>MAF_NUC_S</b>	3566548	3394287	3360646
<b>MAF_NUC_C</b>	157096	119941	116114
<b>GW_NUC_S</b>	3411102	3289449	3215330
<b>GW_NUC_S</b>	2828116	2728447	2658842
<b>GW_NUC_S</b>	3295268	3141210	3017800
<b>GW_NUC_C</b>	17392	14362	13636
<b>PEG_QIA_S</b>	3801098	3634483	3495492
<b>PEG_QIA_S</b>	2305672	2185372	2080556
<b>PEG_QIA_S</b>	4290068	4145091	4034670
<b>PEG_QIA_C</b>	4333452	4175469	4073050
<b>SMF_QIA_S</b>	4563326	4418363	4320250

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<b>SMF_QIA_S</b>	2304182	2220290	2152844
<b>SMF_QIA_S</b>	3379888	3333397	3312860
<b>SMF_QIA_C</b>	3146584	3099536	3071026
<b>MAF_QIA_S</b>	1964426	1941789	1925920
<b>MAF_QIA_S</b>	1935286	1911652	1894644
<b>MAF_QIA_C</b>	2738054	2698372	2676234
<b>GW_QIA_S</b>	3721384	3626310	3605338
<b>GW_QIA_S</b>	2472348	2420355	2406568
<b>GW_QIA_C</b>	2300600	2217212	2200980
<b>PEG_MIN_S</b>	3698374	3633079	3600800
<b>PEG_MIN_S</b>	2738196	2697360	2668238
<b>PEG_MIN_S</b>	1397598	1364119	1344608
<b>PEG_MIN_C</b>	133788	123893	120862
<b>SMF_MIN_S</b>	2071278	2035964	2010478
<b>SMF_MIN_S</b>	1530636	1495490	1467210
<b>SMF_MIN_S</b>	1380108	1345321	1318090
<b>SMF_MIN_C</b>	67886	61172	58602
<b>MAF_MIN_S</b>	4847266	4740720	4647822
<b>MAF_MIN_S</b>	3504602	3437665	3380912
<b>MAF_MIN_S</b>	3932158	3851802	3781236
<b>MAF_MIN_C</b>	569434	545835	533460
<b>GW_MIN_S</b>	4373040	4276262	4213678
<b>GW_MIN_S</b>	3547238	3469203	3406014
<b>GW_MIN_S</b>	4630548	4519100	4442998
<b>GW_MIN_C</b>	753804	717635	705386

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<b>PEG_POW_S</b>	5761750	5654298	5569710
<b>PEG_POW_S</b>	5576440	5478318	5414066
<b>PEG_POW_S</b>	2058156	2020902	2007878
<b>PEG_POW_C</b>	248950	231433	228512
<b>SMF_POW_S</b>	4255058	4185925	4148056
<b>SMF_POW_S</b>	3539780	3490092	3458870
<b>SMF_POW_S</b>	3580896	3532534	3497672
<b>SMF_POW_</b>	1449418	1404258	1393284
<b>MAF_POW_S</b>	5355902	5272249	5206222
<b>MAF_POW_S</b>	3573108	3459546	3395826
<b>MAF_POW_S</b>	3922566	3795625	3722032
<b>MAF_POW_C</b>	105730	85315	83474
<b>GW_POW_S</b>	3202862	3127023	3074676
<b>GW_POW_S</b>	4823400	4769483	4732332
<b>GW_POW_S</b>	3343808	3276568	3241548
<b>GW_POW_C</b>	111302	105263	103502

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