

Table S2. All Statistics

Sample	Con1	Con2	Con3	AS1	AS2	AS3	AS4	AS5
before_filtering_total reads	654571368	695470842	747925644	830823004	1094016514	700652942	662781036	765620324
before_filtering_total bases	98185705200	104320626300	112188846600	124623450600	164102477100	105097941300	99417155400	114843048600
before_filtering_q20 bases	89556313361	94004971032	99948678175	113022776408	147744661160	93426546514	91630522869	103808201919
before_filtering_q30 bases	82591594560	85727672212	90230470831	103173703393	134010854605	83230167253	84624577632	94763716176
before_filtering_q20 rate	0.912111526	1	0.890896744	0.906914195	0.900319506	0.888947446	0.921677174	1
before_filtering_q30 rate	0.841177383	1	0.804273095	0.82788354	0.816629078	0.791929568	0.85120699	1
before_filtering_gc content	0.39519	0	0.394229	0.397462	0.344719	0.400996	0.394995	0
after_filtering_total reads	624667778	639359900	712147982	786101054	960557758	667794094	629481392	708761324
after_filtering_total bases	91800239355	88684567416	103347353150	115244282664	137761917992	97790479939	92680416788	100830698272
after_filtering_q20 bases	84210672495	80878179374	92390566010	105328115819	125899756866	87274039515	85903654960	92084118113
after_filtering_q30 bases	77906853008	74147634758	83652827565	96516912562	115244888911	77891492928	79600403452	84542739534
after_filtering_q20 rate	0.917325195	1	0.89398096	0.913955238	0.913893757	0.892459466	0.926880326	1
after_filtering_q30 rate	0.848656317	1	0.809433672	0.837498489	0.836551135	0.796514067	0.858869718	1
after_filtering_gc content	0.398149	0	0.39596	0.401759	0.363334	0.401551	0.39852	0
ReadsFilter%	95.43157684	92	95.21641459	94.61715073	87.80102912	95.31025333	94.97576995	93
BaseFilter%	93.49654226	85	92.11909765	92.47399435	83.94871328	93.04699857	93.22376648	88
low_quality_reads	5524	630	826	23266	13362	7288	5824	4756
too_many_N_reads	18702	24534	37790	598308	54946	50748	14540	596286
too_short_reads	29879364	56085778	35739046	44100376	133390448	32800812	33279280	56257958
too_long_reads	0	0	0	0	0	0	0	0