

Table S2 - Sequencing metrics and alignment quality of the NGS runs

	run 1	run 2	run 3	run 4								
total reads	24,188,008	24,335,061	22,236,676	22,705,820								
polyclonal	26%	24%	29%	32%								
final library	92%	92%	91%	95%								
median read length bp	128	129	126	128								
aligned bases	99%	99%	100%	99%								
unaligned bases	1%	1%	0%	1%								
mean raw accuracy 1X	99.6%	99.6%	99.6%	99.6%								
	run 1			run 2			run 3			run 4		
	AQ17	AQ20	Perfect	AQ17	AQ20	Perfect	AQ17	AQ20	Perfect	AQ17	AQ20	Perfect
Total Number of Bases [bp]	2.79 G	2.69 G	2.41 G	2.85 G	2.75 G	2.47 G	2.57 G	2.47 G	2.22 G	2.67 G	2.54 G	2.22 G
Mean Length [bp]	121	119	110	123	121	112	119	117	109	122	119	108
Longest Alignment [bp]	355	354	340	370	370	344	358	358	322	361	361	339
Mean Coverage Depth [x]	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.9	0.8	0.7