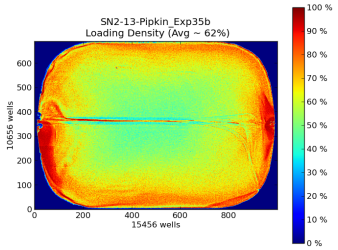
Run Summary

5 G Total Bases | **107** Key Signal

62% ISP Loading

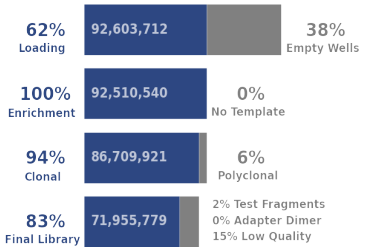
ISP Density



71,955,779 Total Reads

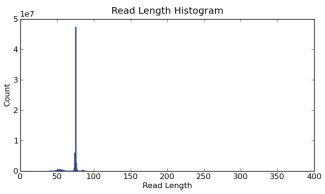
80% Usable Reads

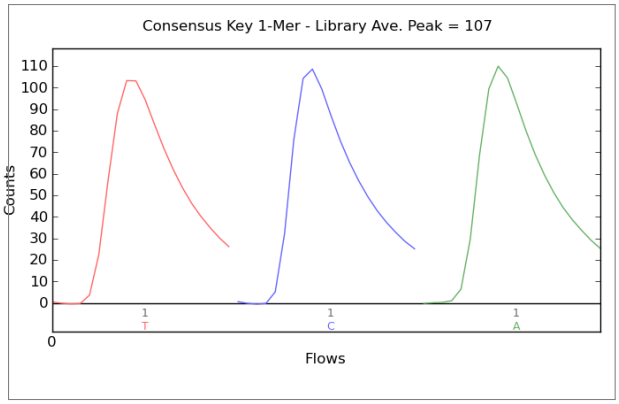
ISP Summary



None bp Mean | **75 bp** Median | **75 bp** Mode

Read Length



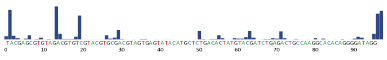


Addressable Wells	**148,603,956**	
With ISPs	92,603,712	62.3%
Live	92,510,540	99.9%
Test Fragment	2,058,334	02.2%
Library	90,452,206	97.8%

Library ISPs	**90,452,206**	
Filtered: Polyclonal	5,800,619	06.4%
Filtered: Low Quality	12,725,106	14.1%
Filtered: Primer Dimer	5,399	00.0%
Final Library ISPs	**71,955,779**	**79.6%**

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	639,662,278	428,776,703	10,868,860	58 bp
BC_1	Input P1-7	286,092,304	272,320,569	3,913,019	73 bp
BC_3	P1-7 Q2	327,125,292	310,145,841	4,484,919	72 bp
BC_6	Input P8-14	352,124,872	334,533,489	4,813,178	73 bp
BC_7	P8-14 Q1	460,283,003	437,156,906	6,309,924	72 bp
BC_8	P8-14 Q2	364,547,569	346,996,318	4,974,634	73 bp
BC_10	P8-14 Q4	369,656,449	351,744,999	5,043,375	73 bp
BC_11	Input P15-21	357,637,588	339,219,864	4,906,216	72 bp
BC_12	P15-21 Q1	375,248,568	354,841,006	5,135,578	73 bp
BC_13	P15-21 Q2	428,500,886	403,883,811	5,899,185	72 bp
BC_15	P15-21 Q4	364,880,279	344,511,145	5,009,953	72 bp
BC_17	P1-7 Q1	441,613,520	417,273,398	6,069,103	72 bp

BC_20	P1-7 Q4	330,475,603	313,280,807	4,521,641	73 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	**1,836,114**	**46%**	

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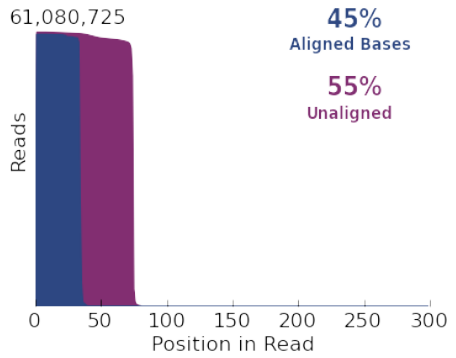
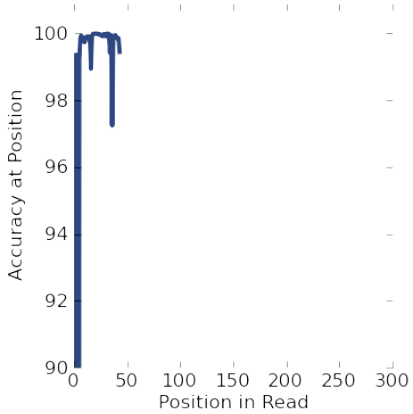
Alignment Summary *(aligned to chromatinRegSHRNA_ref)*

2 G
Total Alignment Bases

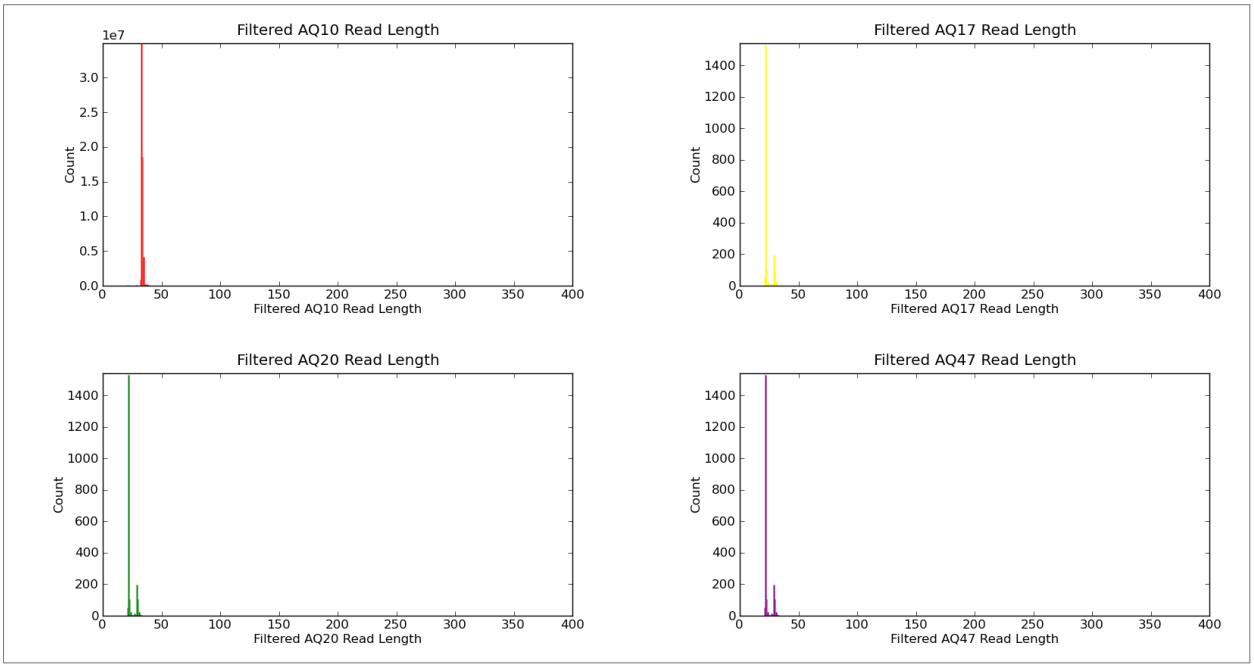
16653.2X
Average Coverage Depth of Reference



93.9%
Mean Raw Accuracy 1x



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	48.6 K	48.6 K	48.6 K
Mean Length [bp]	23	23	23
Longest Alignment [bp]	33	33	33
Mean Coverage Depth	0.4	0.4	0.4



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Analysis Details

Run Name	R_2014_12_19_11_57_36_user_SN2-13-Pipkin_Exp35b
Run Date	Dec. 19, 2014, noon
Run Flows	520
Projects	Pipkin_screen1
Sample	P15-21_Q2, P1-7_Q4, Input_P8-14, P15-21_Q1, Input_P15-21, P15-21_Q4, P8-14_Q4, P8-14_Q1, P8-14_
Reference	
PGM	sn2456565-0923
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	Pipkin
Analysis Name	Auto_user_SN2-13-Pipkin_Exp35b_54
Analysis Date	Dec. 19, 2014, 8:13 p.m.
Analysis Flows	0
runID	CSL8R

Software Version

Torrent_Suite	4.2.1
host	JSHJSW1
ion-analysis	4.2.18-1
ion-chefupdates	4.2.0
ion-dbreports	4.2.22-1
ion-gpu	4.2.2-1
ion-pipeline	4.2.12-1
ion-plugins	4.2.28-1
ion-protonupdates	4.2.2
ion-torrentr	4.2.1-1
LiveView	1835
DataCollect	2929
OIA	4201
OS	21
Graphics	34

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