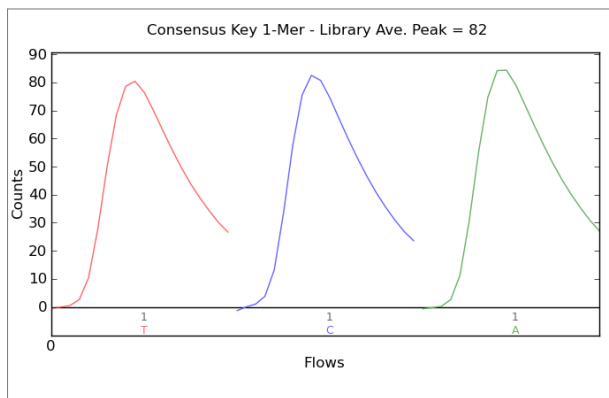
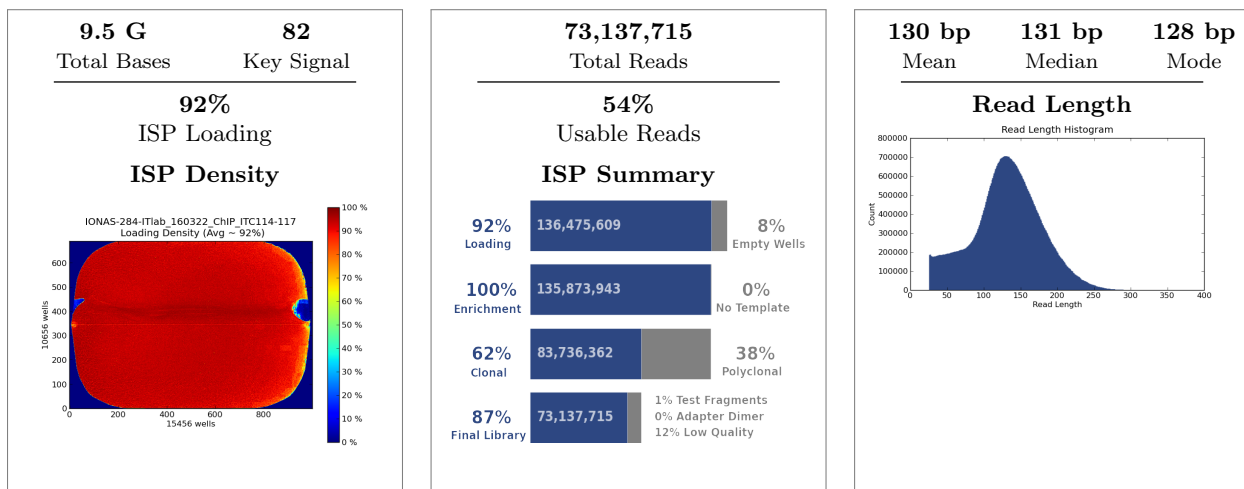


Run Summary



Addressable Wells	148,155,732	
With ISPs	136,475,609	92.1%
Live	135,873,943	99.6%
Test Fragment	997,233	00.7%
Library	134,876,710	99.3%

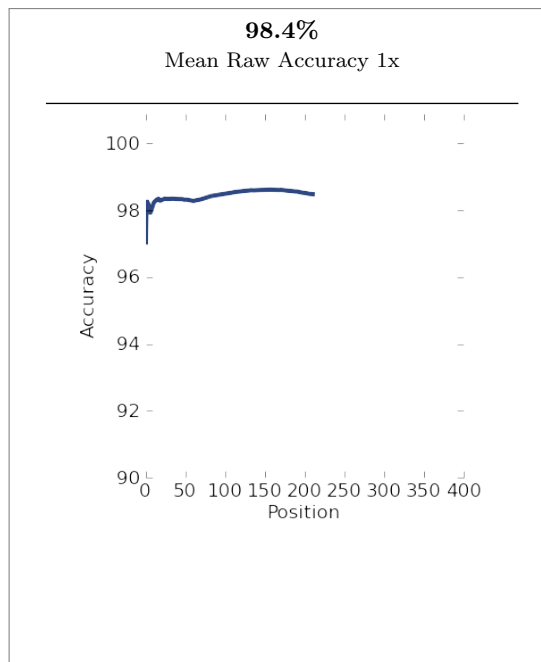
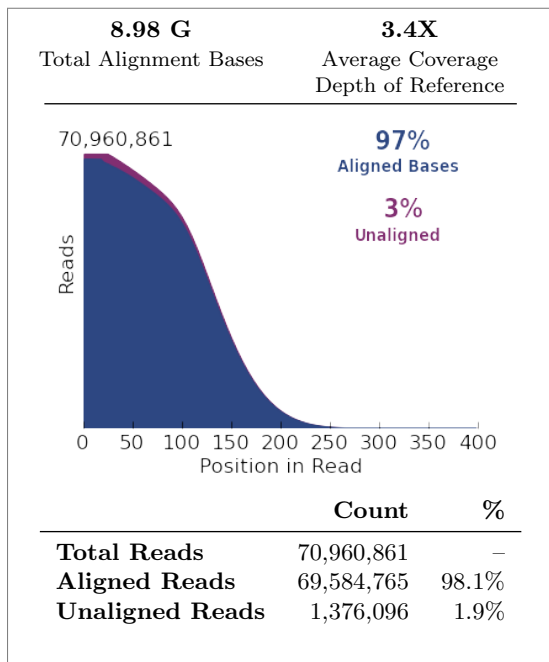
Library ISPs	134,876,710	
Filtered: Polyclonal	52,137,581	38.7%
Filtered: Low Quality	11,133,315	08.3%
Filtered: Adapter Dimer	116,110	00.1%
Final Library ISPs	73,137,715	54.2%

Notes: ITlab-28NKChIPs_ITC114-wt1Input-bc4_ITC115-wt2Input-bc5_ITC116-SET9KO1Input-bc6_ITC117-SET9KO2Input-bc7

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	237,058,515	172,118,305	2,161,102	110 bp
IonXpress_004	ITC114-wt1Input	2,232,827,950	1,822,468,793	16,798,159	133 bp
IonXpress_005	ITC115-wt2Input	2,055,495,959	1,669,783,660	15,809,770	130 bp
IonXpress_006	ITC116-KO1Input	2,316,828,640	1,885,807,648	18,231,006	127 bp
IonXpress_007	ITC117-KO2Input	2,657,150,863	2,169,333,599	20,121,926	132 bp

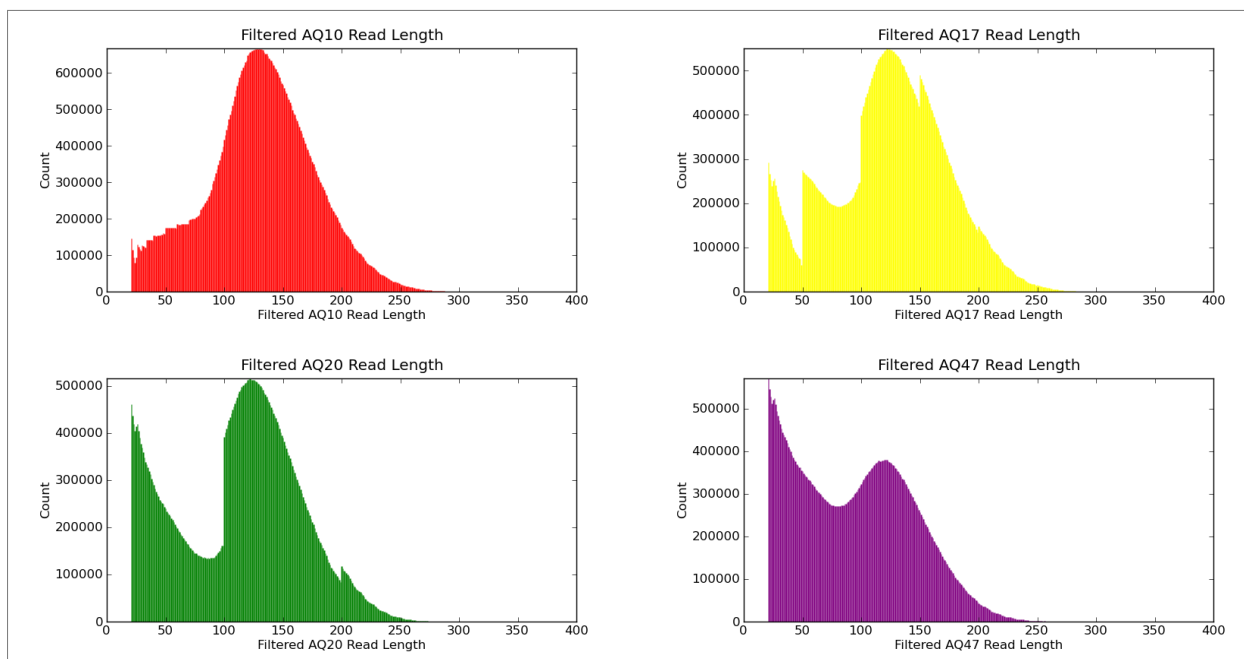
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	698,752	72%	

Alignment Summary *(aligned to Mus musculus)*



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	7.37 G	6.25 G	4.97 G
Mean Length [bp]	124	113	94
Longest Alignment [bp]	327	326	308
Mean Coverage Depth	2.8	2.4	1.9



Analysis Details

Run Name	R_2016_03_22_12_34_57_user_IONAS-284-ITlab_160322_ChIP_ITC114-117
Run Date	March 22, 2016, 12:36 p.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC115-wt2Input, ITC116-KO1Input, ITC114-wt1Input, ITC117-KO2Input
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-284-ITlab_160322_ChIP_ITC114-117_380
Analysis Date	March 22, 2016, 8:53 p.m.
Analysis Flows	0
runID	C6UG8
BeadFind Args	justBeadFind -beadfind-minlivesnr 3 -region-size=216,224 -total-timeout 600
Analysis Args	Analysis -from-beadfind -clonal-filter-bkgmodel true -region-size=216,224 -bkg-bfmask-update false -gpuWorkLoad 1 -total-timeout 600 -gopt /opt/ion/config/gopt _p 1.1.17 _a mpliseq _e xome.param.json
Pre-BaseCaller Args for calibration	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -max-phasing-levels 2
Calibration Args	Calibration
BaseCaller Args	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -num-unfiltered 1000 -barcode-filter-postpone 1
Alignment Args	tmap mapall ... stage1 map4
IonStats Args	ionstats alignment
Analysis Parameters	default

Chef Summary

Ion Chef was not used for this run |

Software Version

Torrent_Suite	5.0.4
host	FW7DQV1
ion-analysis	5.0.13-1
ion-chefupdates	5.0.3
ion-dbreports	5.0.33-1
ion-gpu	5.0.0-1
ion-pipeline	5.0.16-1
ion-plugins	5.0.28-1
ion-protonupdates	5.0.3
ion-torrentr	5.0.0-1
Script	2.1.33
LiveView	2045
DataCollect	3220
OIA	5002
OS	30
Graphics	52