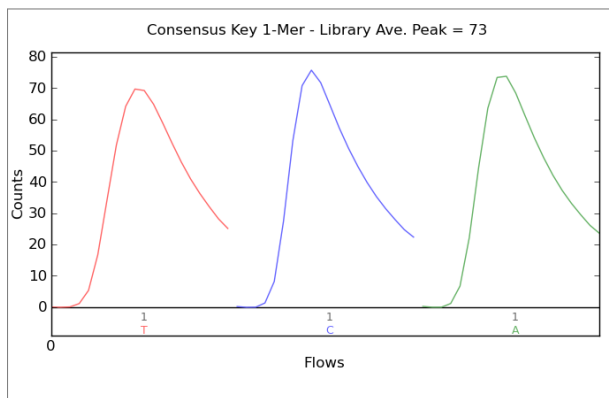
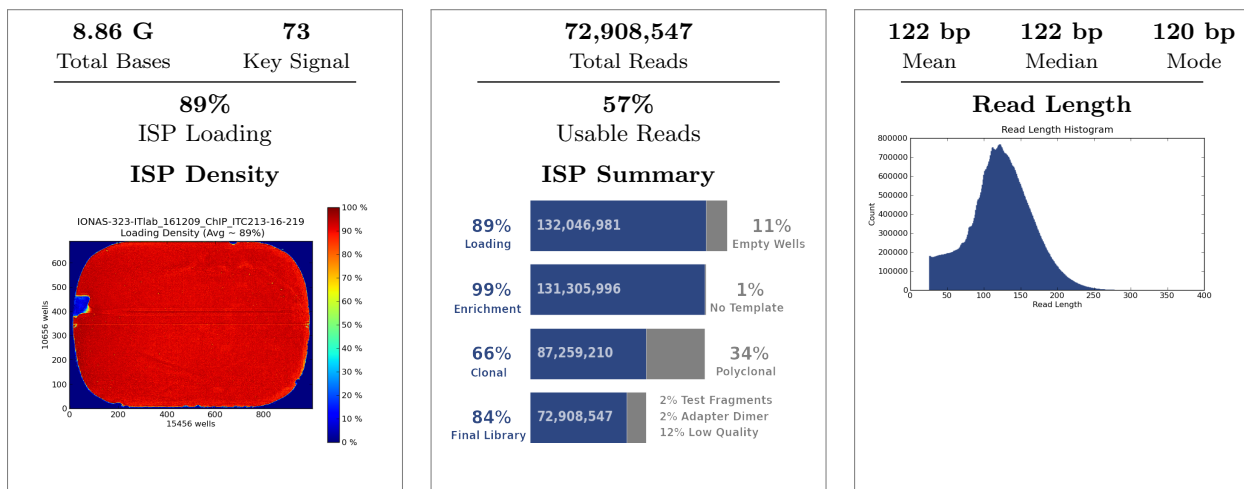


Run Summary



Addressable Wells		148,155,732
With ISPs	132,046,981	89.1%
Live	131,305,996	99.4%
Test Fragment	2,493,988	01.9%
Library	128,812,008	98.1%

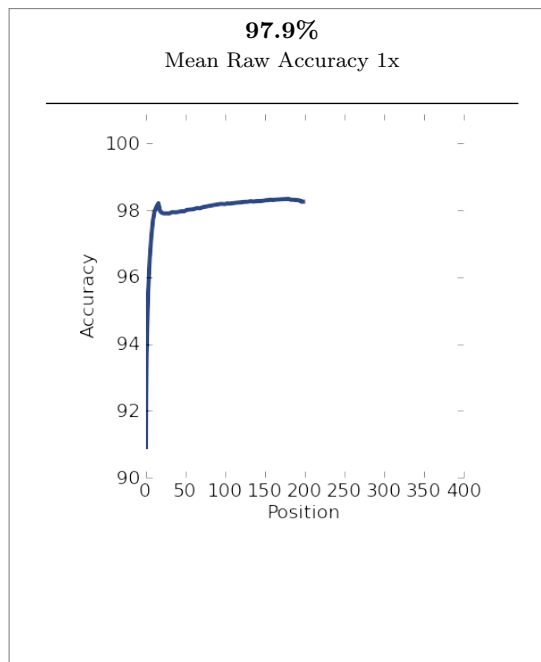
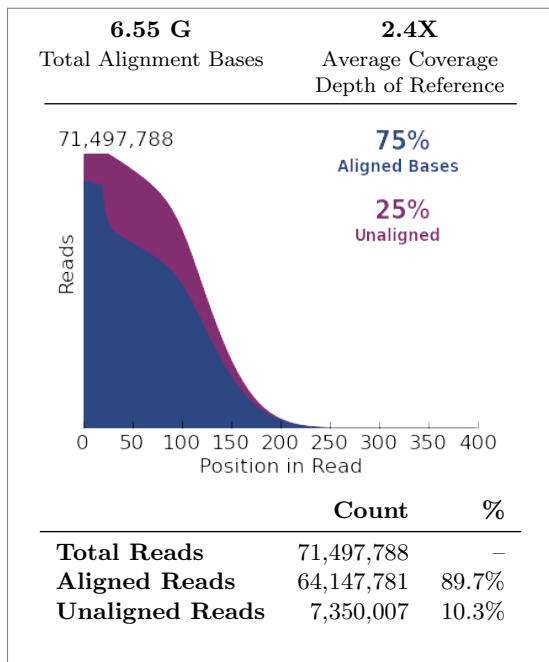
Library ISPs		128,812,008
Filtered: Polyclonal	44,046,786	34.2%
Filtered: Low Quality	10,136,187	07.9%
Filtered: Adapter Dimer	1,748,641	01.4%
Final Library ISPs	72,908,547	56.6%

Notes: ITlab_SG-19samples_ITC213-wt1Me3-bc19_ITC214-wt1TCPMe3-bc20_ITC215-wt3Me1-bc21_ITC216-wt3TCPMe1-bc22_ITC219-SET8ko2TCPINPUT-bc25

Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	138,255,254	99,451,978	1,378,781	100 bp
IonXpress_019	ITC213-wt1Me3	1,890,199,833	1,527,839,409	15,591,500	121 bp
IonXpress_020	ITC214-wt1TCPMe3	2,121,324,157	1,713,207,618	17,373,923	122 bp
IonXpress_021	ITC215-wt3Me1	1,132,666,237	903,227,445	9,067,024	125 bp
IonXpress_022	ITC216-wt3TCPMe1	1,873,527,589	1,499,040,796	15,325,919	122 bp
IonXpress_025	ITC219-SET8ko2TCPINPUT	1,706,119,180	1,373,617,267	14,139,422	121 bp

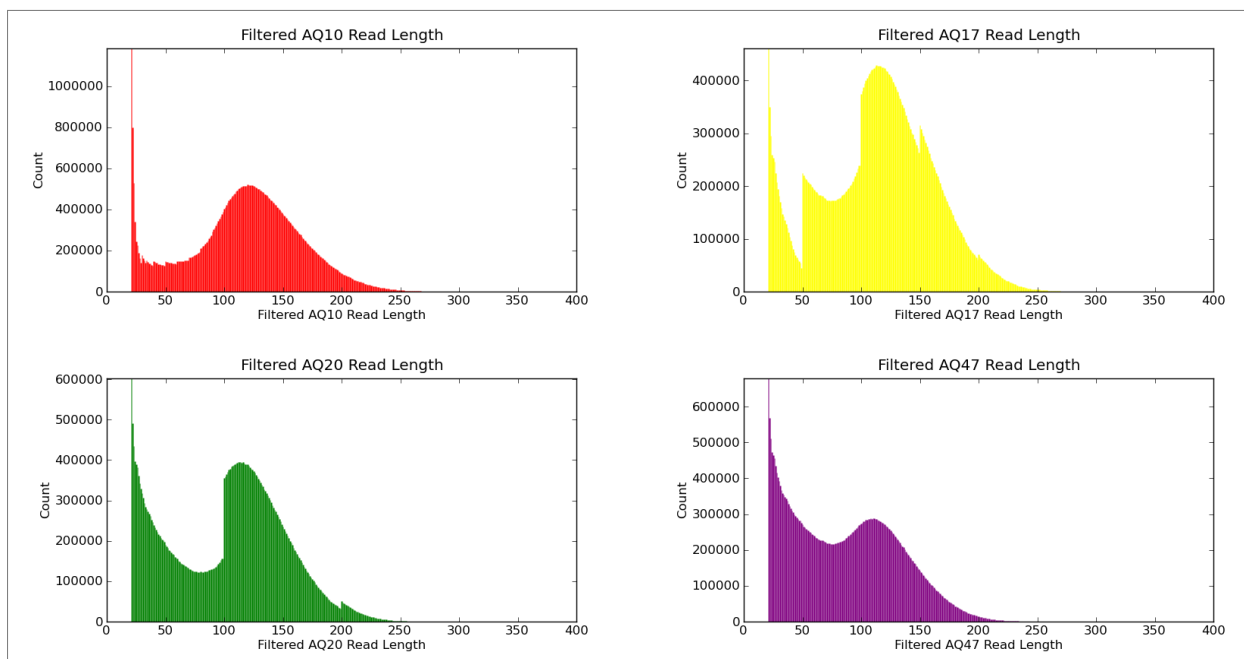
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,812,587	73%	

Alignment Summary (aligned to *Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	4.91 G	4.09 G	3.29 G
Mean Length [bp]	114	102	86
Longest Alignment [bp]	319	317	293
Mean Coverage Depth	1.8	1.5	1.2



Analysis Details

Run Name	R_2016_12_09_11_27_01_user_IONAS-323-ITlab_161209_Chip_ITC213-16-219
Run Date	Dec. 9, 2016, 11:28 a.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC213-wt1Me3, ITC215-wt3Me1, ITC219-SET8ko2TCPINPUT, ITC216-wt3TCPMe1, ITC214-wt1TCPMe3
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-323-ITlab_161209_Chip_ITC213-16-219_423
Analysis Date	Dec. 9, 2016, 8:02 p.m.
Analysis Flows	0
runID	3FXW7
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	5.0.5
host	FW7DQV1
ion-analysis	5.0.13-1
ion-chefupdates	5.0.7
ion-dbreports	5.0.34-1
ion-gpu	5.0.0-1
ion-pipeline	5.0.17-1
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