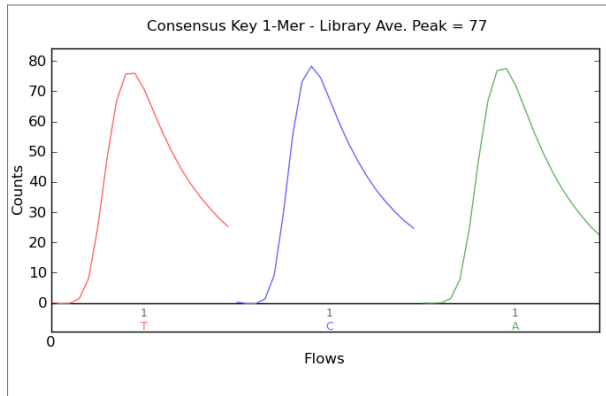
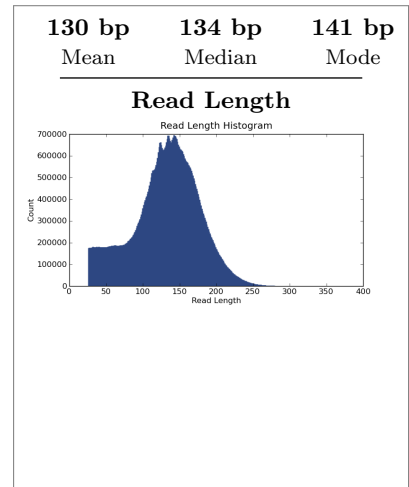
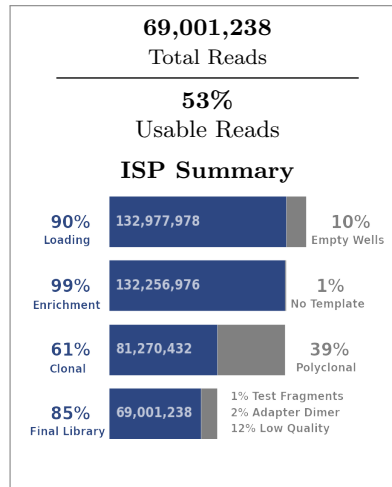
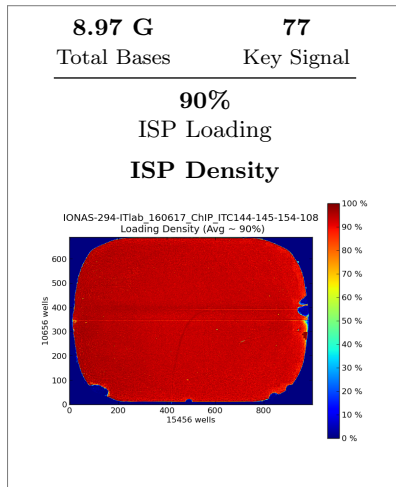


Run Summary



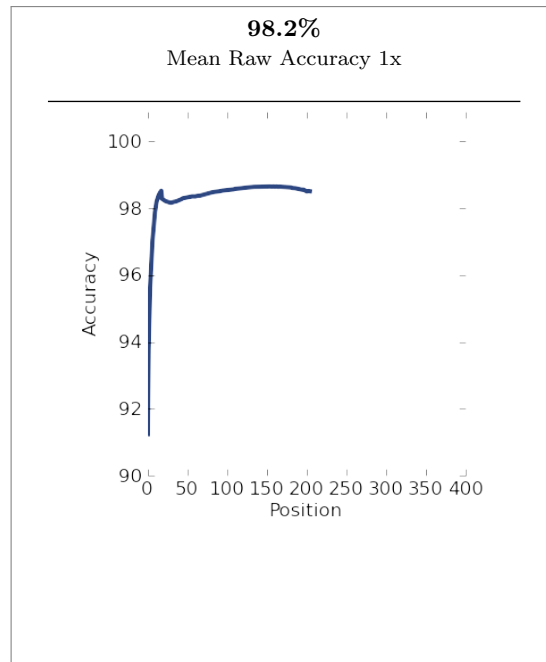
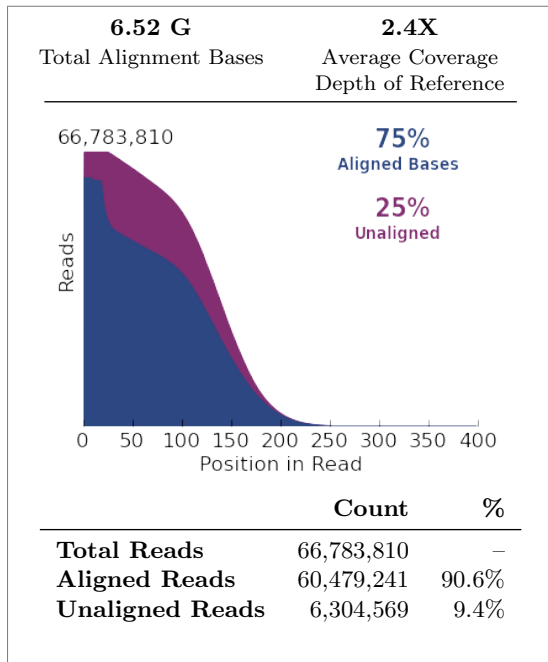
Addressable Wells	148,155,732	
With ISPs	132,977,978	89.8%
Live	132,256,976	99.5%
Test Fragment	1,390,407	01.1%
Library	130,866,569	98.9%
Library ISPs	130,866,569	
Filtered: Polyclonal	50,986,544	39.0%
Filtered: Low Quality	9,347,452	07.1%
Filtered: Adapter Dimer	1,541,551	01.2%
Final Library ISPs	69,001,238	52.7%

Notes: ITlab-13YK-FOXA1-ChIPs_ITC144-InputP14-bc4_ITC145-InputP60-bc5_ITC154-Med12P60-bc14_repeat-ITC108-wt1Ser2-bc1

Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	242,238,329	177,136,597	2,186,157	111 bp
IonXpress_001	ITC108-wt1Ser2	2,545,920,126	2,086,524,382	19,543,546	130 bp
IonXpress_004	ITC144-InputP14	2,692,059,200	2,221,010,832	20,552,489	131 bp
IonXpress_005	ITC145-InputP60	1,898,382,728	1,559,044,348	14,440,615	131 bp
IonXpress_014	ITC154-Med12P60	1,594,586,313	1,322,957,186	12,247,160	130 bp

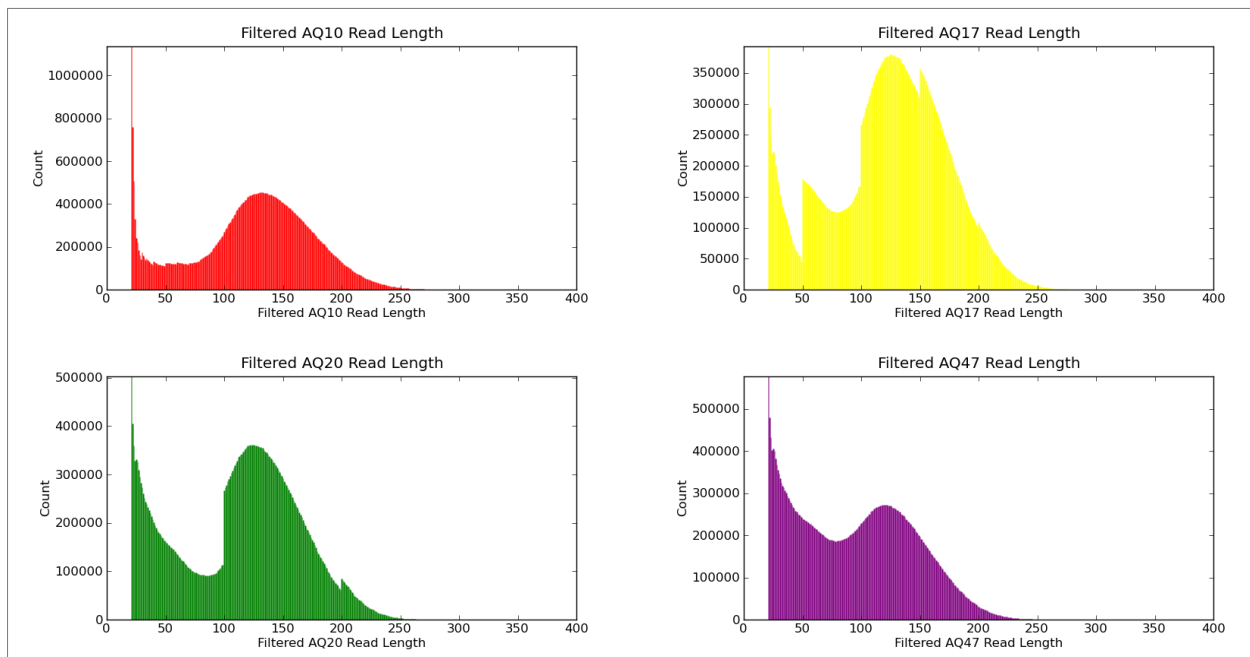
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,008,339	72%	

Alignment Summary (aligned to *Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	5.22 G	4.49 G	3.61 G
Mean Length [bp]	123	113	94
Longest Alignment [bp]	320	315	311
Mean Coverage Depth	1.9	1.6	1.3



Analysis Details

Run Name	R_2016_06_17_12_24_20_user_IONAS-294-ITlab_160617_ChIP_ITC144-145-154-108
Run Date	June 17, 2016, 12:25 p.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC145-InputP60, ITC154-Med12P60, ITC108-wt1Ser2, ITC144-InputP14
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-294-ITlab_160617_ChIP_ITC144-145-154-108_392
Analysis Date	June 17, 2016, 8:31 p.m.
Analysis Flows	0
runID	TA46W
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