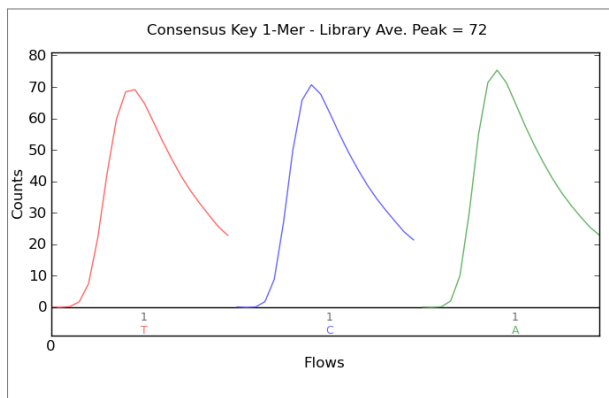
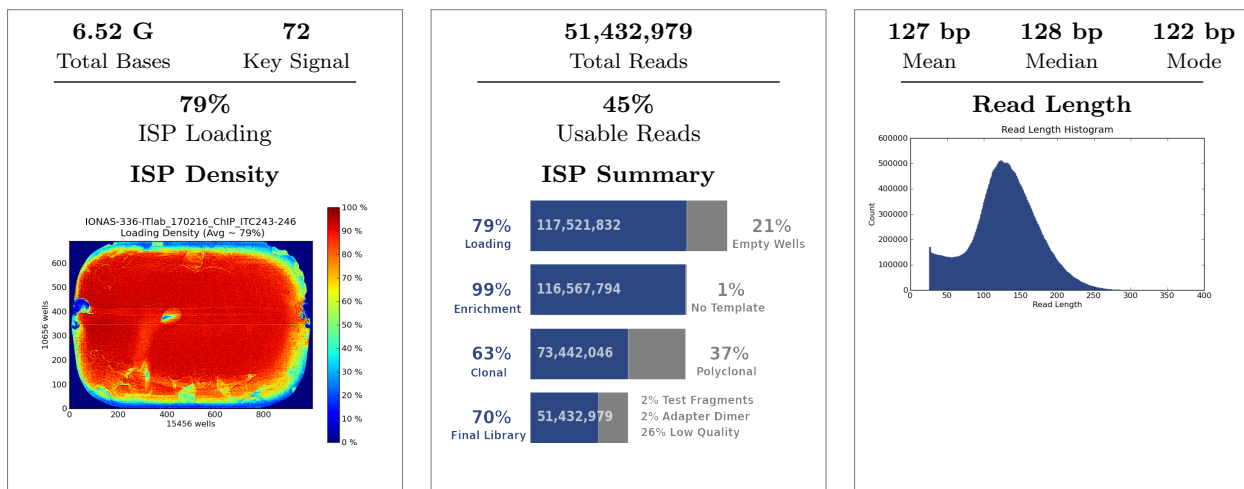


Run Summary



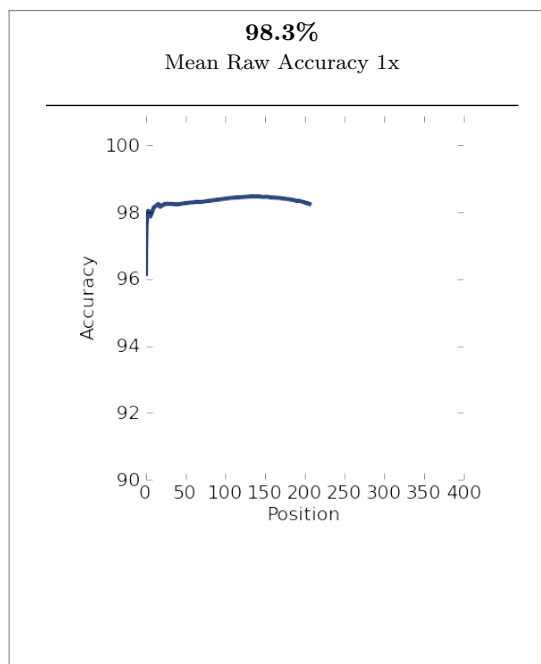
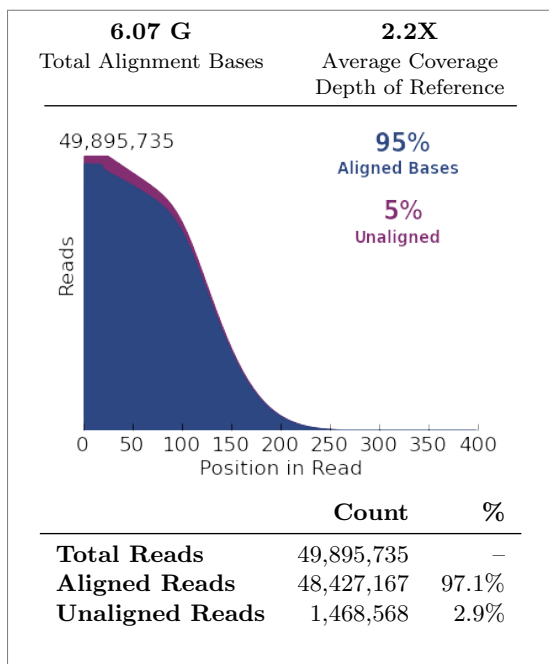
Addressable Wells		148,155,732
With ISPs	117,521,832	79.3%
Live	116,567,794	99.2%
Test Fragment	1,587,043	01.4%
Library	114,980,751	98.6%
Library ISPs		114,980,751
Filtered: Polyclonal	43,125,748	37.5%
Filtered: Low Quality	19,992,653	17.4%
Filtered: Adapter Dimer	1,105,401	01.0%
Final Library ISPs	51,432,979	44.7%

Notes: ITlab_EP28samples_ITC243-246_wt-wtDENTCP-Usp22origene

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	146,502,017	103,064,797	1,535,294	95 bp
IonXpress_001	ITC243-wt3-Usp	2,261,797,996	1,812,947,268	17,733,381	128 bp
IonXpress_002	ITC244-wt4-Usp	1,525,717,312	1,222,379,591	11,759,139	130 bp
IonXpress_003	ITC245-wt1DENTCP-Usp	1,473,279,961	1,209,664,721	11,671,124	126 bp
IonXpress_004	ITC246-wt2DENTCP-Usp	1,111,139,759	910,948,778	8,732,091	127 bp

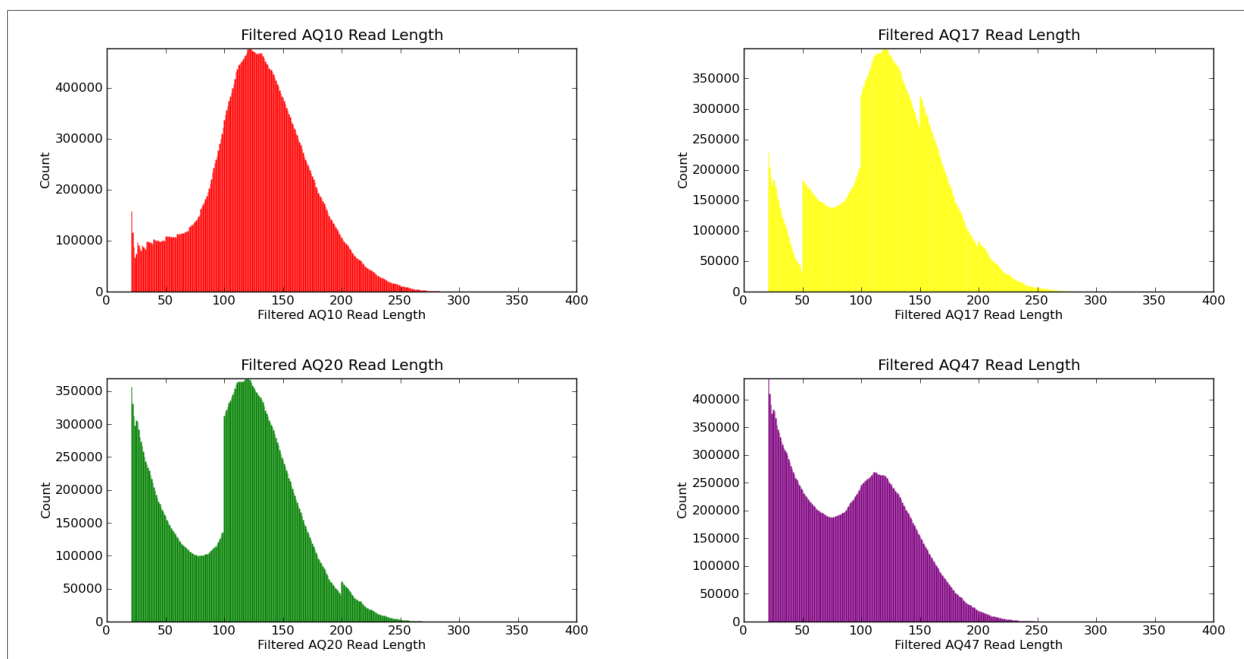
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,425,774	82%	

Alignment Summary (aligned to *Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	4.86 G	4.05 G	3.2 G
Mean Length [bp]	120	109	90
Longest Alignment [bp]	322	318	306
Mean Coverage Depth	1.8	1.5	1.2



Analysis Details

Run Name	R_2017_02_16_12_09_42_user_IONAS-336-ITlab_170216_ChIP_ITC243-246
Run Date	Feb. 16, 2017, 12:11 p.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC245-wt1DENTCP-Usp, ITC246-wt2DENTCP-Usp, ITC243-wt3-Usp, ITC244-wt4-Usp
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-336-ITlab_170216_ChIP_ITC243-246_436
Analysis Date	Feb. 16, 2017, 6:51 p.m.
Analysis Flows	0
runID	494AS
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