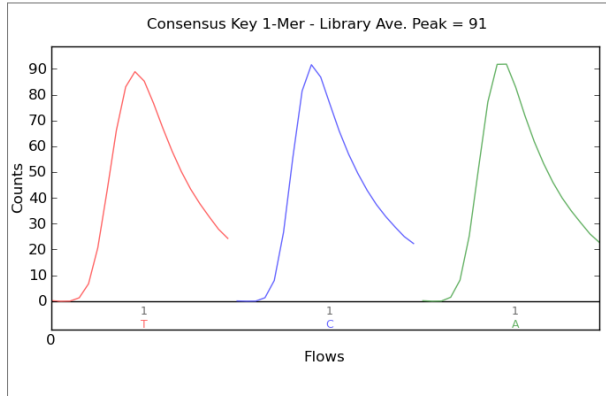
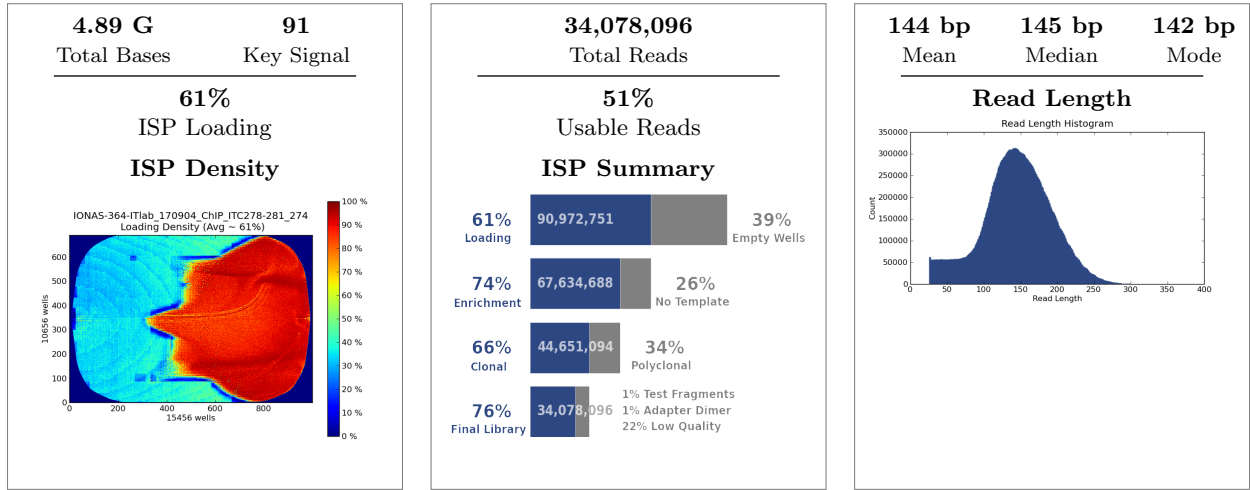


Run Summary



Addressable Wells	148,155,732	
With ISPs	90,972,751	61.4%
Live	67,634,688	74.3%
Test Fragment	536,465	00.8%
Library	67,098,223	99.2%
Library ISPs	67,098,223	
Filtered: Polyclonal	22,983,594	34.3%
Filtered: Low Quality	11,105,131	16.6%
Filtered: Adapter Dimer	317,659	00.5%
Final Library ISPs	34,078,096	50.8%

Notes: ITlab-Tereza_8ChIPseqs_POLII_PartRerunSeq170726_ITC274-TechnicalReplicate

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	67,029,626	47,760,091	528,729	127 bp
IonXpress_017	ITC274-PolII-wt3	900,795,072	707,657,780	6,290,660	143 bp
IonXpress_021	ITC278-PolII-AISm1	1,100,235,649	863,829,634	7,622,931	144 bp
IonXpress_022	ITC279-PolII-AISm2	920,127,120	725,772,638	6,390,895	144 bp
IonXpress_023	ITC280-PolII-DENAIsm3	1,006,055,827	798,680,354	6,998,272	144 bp
IonXpress_024	ITC281-PolII-DENAIsm4	898,355,059	711,060,025	6,241,784	144 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	333,450	55%	

Alignment Summary (*aligned to*)

0	
Total Alignment Bases	Average Coverage Depth of Reference
alignment_rate_plot.png	
Count	%
Total Reads	0 -
Aligned Reads	0 0%

%	
Mean Raw Accuracy 1x	
base_error_plot.png	

Alignment Quality			
	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	0	0	0
Mean Length [bp]	0	0	0
Longest Alignment [bp]	0	0	0
Mean Coverage Depth			

Filtered_Alignments_Q10.png

Filtered_Alignments_Q17.png

Filtered_Alignments_Q20.png

Filtered_Alignments_Q47.png

Analysis Details

Run Name	R_2017_09_05_12.00_46_user_IONAS-364-ITlab_170904_ChIP_ITC278-281_274
Run Date	Sept. 5, 2017, 12:02 p.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC278-PolIII-AlSm1, ITC280-PolIII-DENAlSm3, ITC274-PolIII-wt3, ITC281-PolIII-DENAlSm4, ITC279-PolIII-AlSm2
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DACJ02534
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-364-ITlab_170904_ChIP_ITC278-281_274_470
Analysis Date	Sept. 5, 2017, 6:56 p.m.
Analysis Flows	0
runID	XK56V
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

Chef Template Prep Information:

Chef Last Updated	Sept. 5, 2017, 11:04 a.m.
Chef Instrument Name	CHEF00509
Sample Position	2
Tip Rack Barcode	252170136
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	Oct2017
Chip Expiration 2	Oct2017
Templating Kit Type	Ion PI IC 200 Kit
Reagent Expiration	151225
Reagent Lot Number	0023442
Reagent Part Number	100023442
Solution Lot Number	0022894
Solution Part Number	100022894
Solution Expiration	01986
Chef Script Version	263
Chef Package Version	IC.5.0.1

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
Ion.Chef	IC.5.0.1