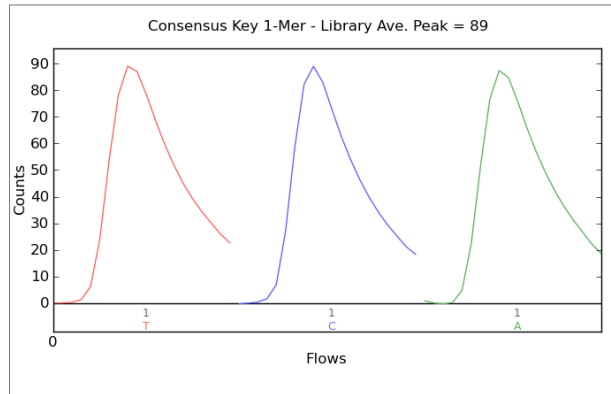
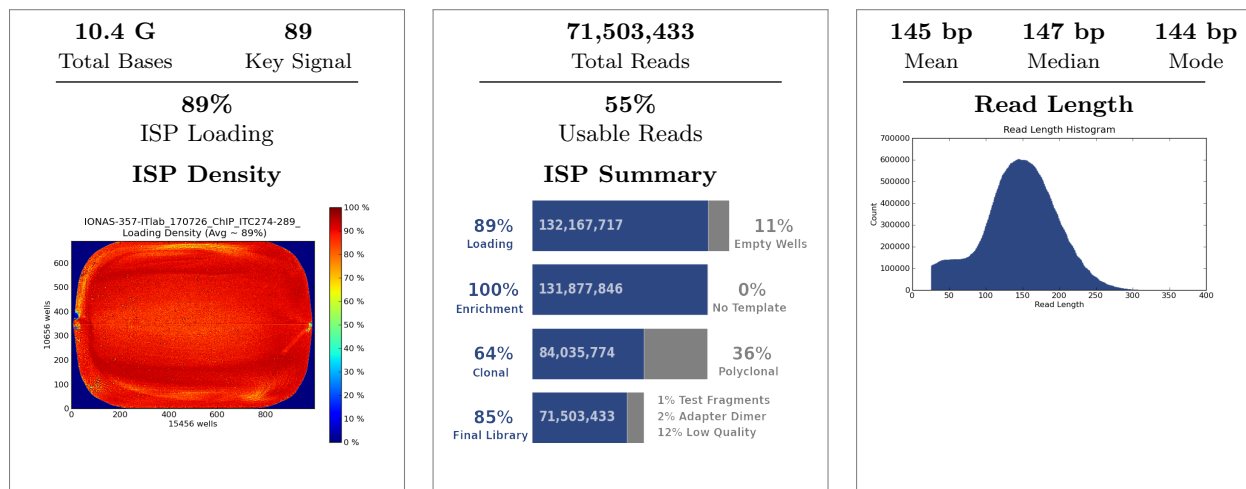


Run Summary




Addressable Wells	148,155,732	
With ISPs	132,167,717	89.2%
Live	131,877,846	99.8%
Test Fragment	859,166	00.7%
Library	131,018,680	99.3%
Library ISPs	131,018,680	
Filtered: Polyclonal	47,842,072	36.5%
Filtered: Low Quality	12,987,249	09.9%
Filtered: Adapter Dimer	1,285,591	01.0%
Final Library ISPs	71,503,433	54.6%

Notes: ITlab-Tereza_16ChIPseqs_POLII-H2BmonomethylK5

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	325,408,616	214,579,483	2,444,300	133 bp
IonXpress_017	ITC274-PolII-wt3	532,987,351	409,925,311	3,754,030	142 bp
IonXpress_018	ITC275-PolII-wt4	537,636,790	415,771,109	3,702,092	145 bp
IonXpress_019	ITC276-PolII-DENwt1	550,411,907	425,055,645	3,795,024	145 bp
IonXpress_020	ITC277-PolII-DENwt2	761,213,272	588,153,503	5,229,796	146 bp
IonXpress_021	ITC278-PolII-AISm1	744,735,389	572,734,579	5,231,185	142 bp
IonXpress_022	ITC279-PolII-AISm2	575,167,905	444,301,954	4,027,566	143 bp
IonXpress_023	ITC280-PolII-DENAIsm3	526,302,855	412,154,401	3,705,083	142 bp
IonXpress_024	ITC281-PolII-DENAIsm4	710,661,680	552,075,407	4,885,967	145 bp
IonXpress_025	ITC282-H2B-wt3	552,801,162	424,929,267	3,857,153	143 bp

Run Report for Auto_user_IONAS-357-ITlab_170726_ChIP_ITC274-289_462

IonXpress_026	ITC283-H2B-wt4	628,016,123	472,450,266	4,264,208	147 bp
IonXpress_027	ITC284-H2B-DENwt1	633,238,159	485,731,773	4,325,147	146 bp
IonXpress_028	ITC285-H2B-DENwt2	637,127,644	489,633,856	4,459,402	143 bp
IonXpress_029	ITC286-H2B-A1Sm1	548,452,771	414,825,296	3,733,810	147 bp
IonXpress_030	ITC287-H2B-A1Sm3	854,155,856	643,642,290	5,704,242	150 bp
IonXpress_031	ITC288-H2B-DENAlSm1	651,930,875	488,815,824	4,370,359	149 bp
IonXpress_032	ITC289-H2B-DENAlSm3	589,496,314	448,048,072	4,008,635	147 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	657,421	70%	

Alignment Summary (*aligned to*)

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

%	
Mean Raw Accuracy 1x	
base_error_plot.png	

Alignment Quality			
	AQ17	AQ20	Perfect
Total Reads	0	-	
Aligned Reads	0	0	
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_07_27_12.04.09_user_IONAS-357-ITlab_170726_ChIP_ITC274-289_
Run Date	July 27, 2017, 12:06 p.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC289-H2B-DENAlSm3, ITC275-PolII-wt4, ITC278-PolII-AlSm1, ITC285-H2B-DENwt2, ITC288-H2B-DENAlSm1, ITC279-PolII-AlSm2, ITC280-PolIII-DENAlSm3, ITC274-PolIII-wt3, ITC284-H2B-DENwt1, ITC277-PolIII-DENwt2, ITC283-H2B-wt4, ITC287-H2B-AlSm3, ITC286-H2B-AlSm1, ITC282-H2B-wt3, ITC281-PolII-DENAlSm4, ITC276-PolIII-DENwt1
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DACJ02532
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-357-ITlab_170726_ChIP_ITC274-289_462
Analysis Date	July 27, 2017, 8:18 p.m.
Analysis Flows	0
runID	CYA3N
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	July 27, 2017, 11:04 a.m.
Chef Instrument Name	CHEF00509
Sample Position	1
Tip Rack Barcode	25205012B
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