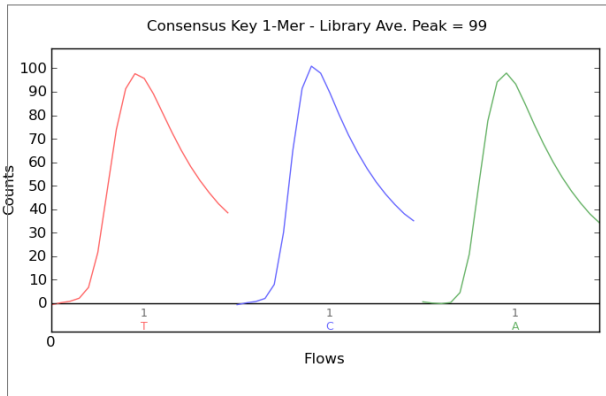
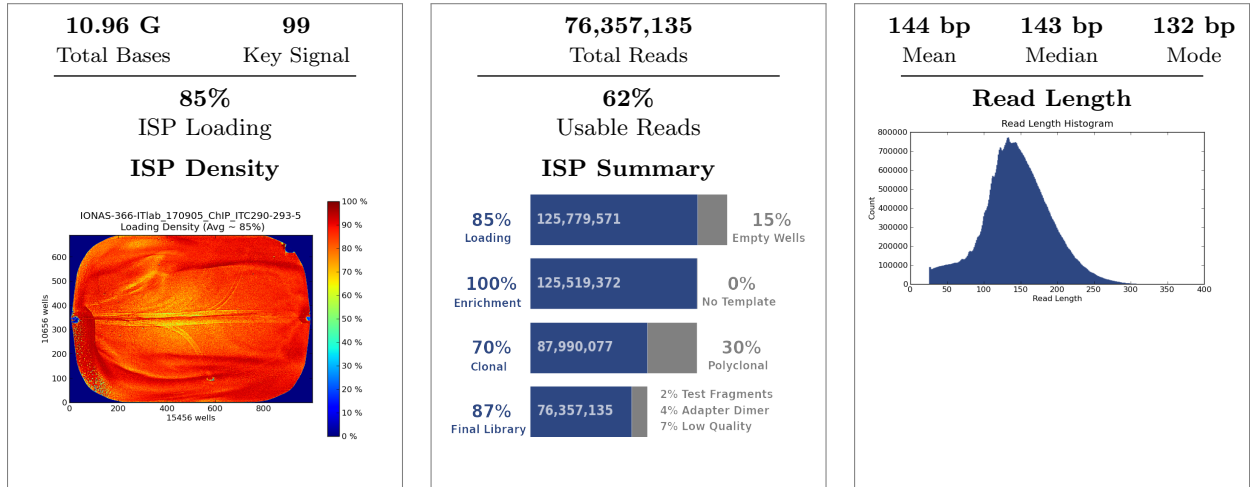


Run Summary



Addressable Wells	148,155,732	
With ISPs	125,779,571	84.9%
Live	125,519,372	99.8%
Test Fragment	1,972,401	01.6%
Library	123,546,971	98.4%
Library ISPs	123,546,971	
Filtered: Polyclonal	37,529,295	30.4%
Filtered: Low Quality	8,864,155	07.2%
Filtered: Adapter Dimer	3,114,463	02.5%
Final Library ISPs	76,357,135	61.8%

Notes: ITlab-Tereza_8ChIPseqs_PhosphoSeryn2POLII_Evaggelia_8ChIPseqs_POLII_PartRerunSeq170726

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	167,206,051	130,612,366	1,167,578	143 bp
IonXpress_001	ITC290-Pho-wt3	2,876,974,568	2,353,821,088	19,577,418	147 bp
IonXpress_004	ITC293-Pho-DENwt2	2,655,293,361	2,145,164,005	17,912,301	148 bp
IonXpress_005	ITC294-Pho-AlSm1	2,720,017,727	2,243,020,660	18,643,300	146 bp
IonXpress_006	ITC295-Pho-AlSm2	2,541,111,769	2,112,449,715	18,825,846	135 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,679,011	84%	

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_06_12_28_41_user_IONAS-366-ITlab_170905_ChIP_ITC290-293-5
Run Date	Sept. 6, 2017, 12:30 p.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC295-Pho-AISm2, ITC290-Pho-wt3, ITC293-Pho-DENwt2, ITC294-Pho-AISm1
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DACJ02539
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-366-ITlab_170905_ChIP_ITC290-293-5_472
Analysis Date	Sept. 6, 2017, 8:36 p.m.
Analysis Flows	0
runID	WOTZH
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. 6, 2017, 11:03 a.m.
Chef Instrument Name	CHEF00509
Sample Position	1
Tip Rack Barcode	252170135
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