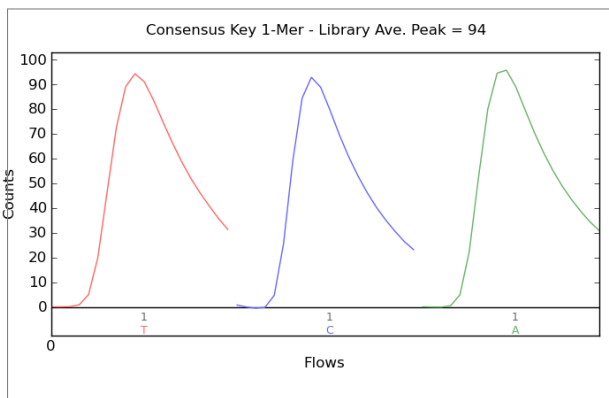
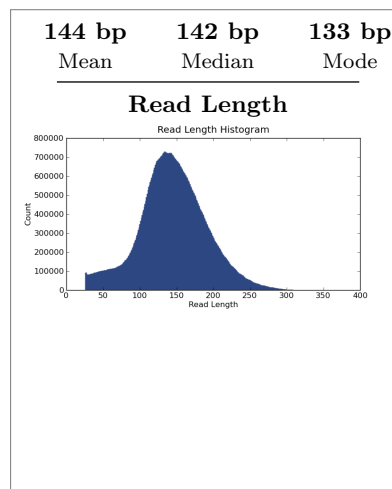
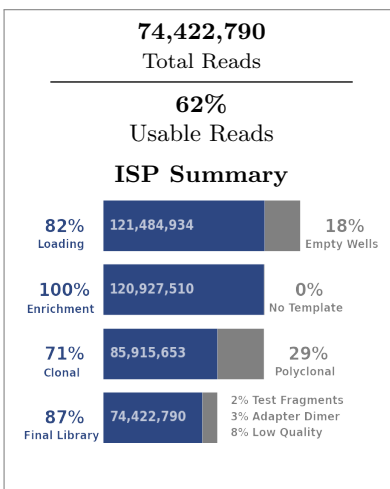
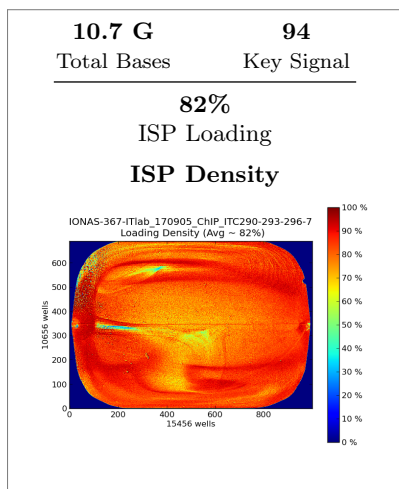


## Run Summary



Addressable Wells		148,155,732
With ISPs	121,484,934	82.0%
Live	120,927,510	99.5%
Test Fragment	1,817,255	01.5%
Library	119,110,255	98.5%

Library ISPs		119,110,255
Filtered: Polyclonal	35,011,857	29.4%
Filtered: Low Quality	9,334,312	07.8%
Filtered: Adapter Dimer	2,456,626	02.1%
<b>Final Library ISPs</b>	<b>74,422,790</b>	<b>62.5%</b>

Notes: ITlab-Tereza\_8ChIPseqs\_PhosphoSeryn2POLII\_Evaggelia\_8ChIPseqs\_POLII\_PartRerunSeq170726

Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	149,240,094	111,750,368	1,102,894	135 bp
IonXpress_001	ITC290-Pho-wt3	2,524,437,868	2,036,660,769	17,381,746	145 bp
IonXpress_004	ITC293-Pho-DENwt2	2,294,503,492	1,849,222,255	15,541,335	148 bp
IonXpress_007	ITC296-Pho-DENAIsm3	3,028,000,430	2,464,754,951	21,316,363	142 bp
IonXpress_008	ITC297-Pho-DENAIsm4	2,664,120,497	2,174,882,954	18,936,066	141 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>1,586,448</b>	<b>85%</b>	

## 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

<b>Run Name</b>	R_2017_09_06_15_17_51_user_IONAS-367-ITlab_170905_Chip_ITC290-293-296-7
<b>Run Date</b>	Sept. 6, 2017, 3:19 p.m.
<b>Run Flows</b>	520
<b>Projects</b>	ITLab_ChipSeq
<b>Sample</b>	ITC296-Pho-DENAIsm3, ITC297-Pho-DENAIsm4, ITC290-Pho-wt3, ITC293-Pho-DENwt2
<b>Reference</b>	
<b>Instrument</b>	IONAS
<b>Flow Order</b>	TACGTACGTCTGAGCATCGATCGATGTACAGC
<b>Library Key</b>	TCAG
<b>TF Key</b>	ATCG
<b>Chip ID</b>	DACJ02541
<b>Chip Check</b>	Passed
<b>Chip Type</b>	P1.1.17
<b>Chip Data</b>	tiled
<b>Barcode Set</b>	IonXpress
<b>Analysis Name</b>	Auto_user_IONAS-367-ITlab_170905_Chip_ITC290-293-296-7_471
<b>Analysis Date</b>	Sept. 6, 2017, 11:57 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	WWNFK
<b>BeadFind Args</b>	justBeadFind -beadfind-minlivesnr 3 -region-size=216,224 -total-timeout 600
<b>Analysis Args</b>	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 <sub>p</sub> 1.1.17 <sub>a</sub> mpliseq <sub>e</sub> xome.param.json
<b>Pre-BaseCaller Args for calibration</b>	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -max-phasing-levels 2
<b>Calibration Args</b>	Calibration
<b>BaseCaller Args</b>	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -num-unfiltered 1000 -barcode-filter-postpone 1
<b>Alignment Args</b>	tmap mapall ... stage1 map4
<b>IonStats Args</b>	ionstats alignment
<b>Analysis Parameters</b>	default

## Chef Summary

### Chef Template Prep Information:

<b>Chef Last Updated</b>	Sept. 6, 2017, 11:03 a.m.
<b>Chef Instrument Name</b>	CHEF00509
<b>Sample Position</b>	2
<b>Tip Rack Barcode</b>	252170135
<b>Chip Type 1</b>	P1v3
<b>Chip Type 2</b>	P1v3
<b>Chip Expiration 1</b>	Oct2017
<b>Chip Expiration 2</b>	Oct2017
<b>Templating Kit Type</b>	Ion PI IC 200 Kit
<b>Reagent Expiration</b>	151225
<b>Reagent Lot Number</b>	0023442
<b>Reagent Part Number</b>	100023442
<b>Solution Lot Number</b>	0022894
<b>Solution Part Number</b>	100022894
<b>Solution Expiration</b>	01986
<b>Chef Script Version</b>	263
<b>Chef Package Version</b>	IC.5.0.1

## Software Version

<b>Torrent_Suite</b>	5.0.5
<b>host</b>	FW7DQV1
<b>ion-analysis</b>	5.0.13-1
<b>ion-chefupdates</b>	5.0.7
<b>ion-dbreports</b>	5.0.34-1
<b>ion-gpu</b>	5.0.0-1
<b>ion-pipeline</b>	5.0.17-1
<b>ion-plugins</b>	5.0.28-1
<b>ion-protonupdates</b>	5.0.3
<b>ion-torrentr</b>	5.0.0-1
<b>Script</b>	2.1.33
<b>LiveView</b>	2045
<b>DataCollect</b>	3220
<b>OIA</b>	5002
<b>OS</b>	30
<b>Graphics</b>	52
<b>Ion.Chef</b>	IC.5.0.1