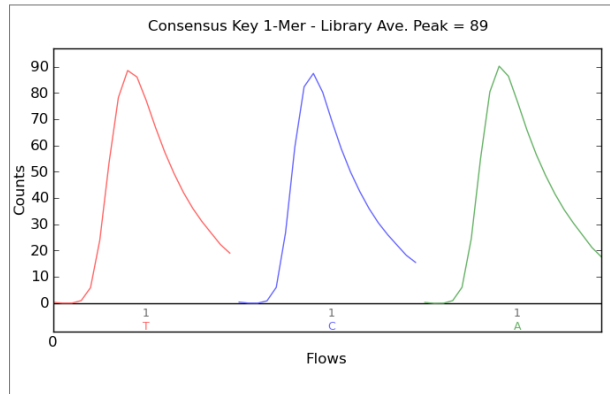
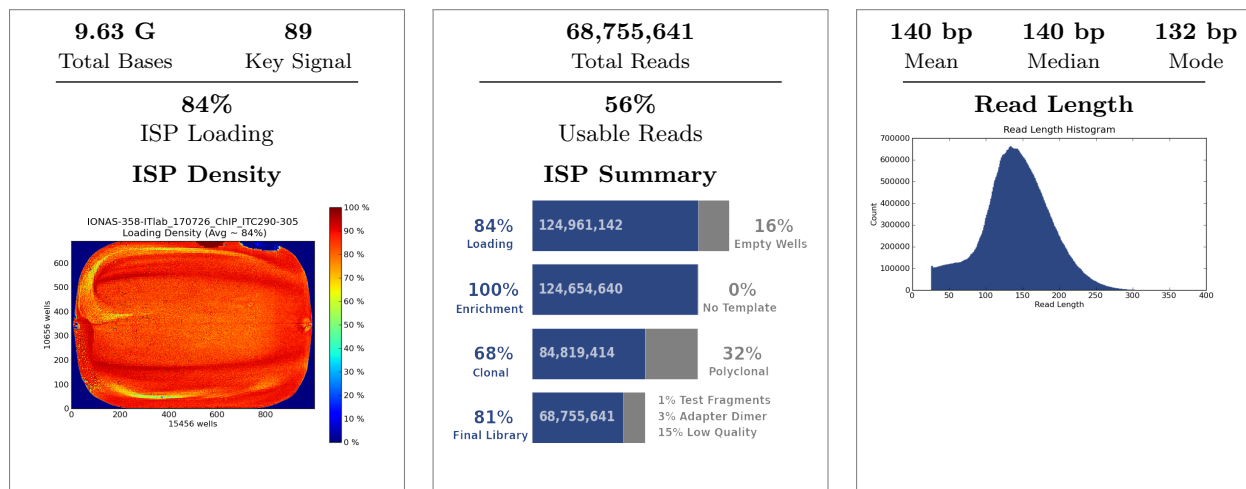


Run Summary



Addressable Wells	148,155,732	
With ISPs	124,961,142	84.3%
Live	124,654,640	99.8%
Test Fragment	1,092,039	00.9%
Library	123,562,601	99.1%
Library ISPs	123,562,601	
Filtered: Polyclonal	39,835,226	32.2%
Filtered: Low Quality	15,084,880	12.2%
Filtered: Adapter Dimer	2,316,158	01.9%
Final Library ISPs	68,755,641	55.6%

Notes: ITlab-Tereza_8ChIPseqs_PhosphoSeryn2POLII_Evaggelia_8ChIPseqs_POLII

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	153,292,193	113,276,963	1,157,785	132 bp
IonXpress_001	ITC290-Pho-wt3	445,583,433	348,426,913	3,127,293	142 bp
IonXpress_002	ITC291-Pho-wt4	539,410,889	437,168,185	3,898,043	138 bp
IonXpress_003	ITC292-Pho-DENwt1	717,336,013	584,601,288	5,139,870	140 bp
IonXpress_004	ITC293-Pho-DENwt2	465,732,812	362,459,988	3,211,372	145 bp
IonXpress_005	ITC294-Pho-AlSm1	489,940,759	389,034,720	3,424,324	143 bp
IonXpress_006	ITC295-Pho-AlSm2	485,552,261	388,267,732	3,667,315	132 bp
IonXpress_007	ITC296-Pho-DENAlSm3	576,118,517	455,156,187	4,134,132	139 bp
IonXpress_008	ITC297-Pho-DENAlSm4	504,693,239	401,734,388	3,628,923	139 bp
IonXpress_009	ITC298-PolII-Untrwt3	658,538,577	511,519,608	4,585,777	144 bp

Run Report for Auto_user_IONAS-358-ITlab_170726_ChIP_ITC290-305_463

IonXpress_010	ITC299-PolII- Untrwt4	889,603,461	681,895,144	6,174,713	144 bp
IonXpress_011	ITC300-PolII- Untrko1	599,208,372	463,437,009	4,293,736	140 bp
IonXpress_012	ITC301-PolII- Untrko3	521,422,682	410,732,863	3,699,738	141 bp
IonXpress_013	ITC302-PolII- DENTCPwt1	698,840,460	544,908,224	5,045,873	138 bp
IonXpress_014	ITC303-PolII- DENTCPwt3	586,783,097	460,457,095	4,181,182	140 bp
IonXpress_015	ITC304-PolII- DENTCPko2	660,766,958	518,940,961	4,698,354	141 bp
IonXpress_016	ITC305-PolII- DENTCPko4	636,235,940	500,637,522	4,610,379	138 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
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TF_C	943,579	80%	
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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_14_55_50_user_IONAS-358-ITlab_170726_ChIP_ITC290-305
Run Date	July 27, 2017, 2:57 p.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC296-Pho-DENAlSm3, ITC303-PolIII-DENTCPwt3, ITC300-PolIII-Untrko1, ITC294-Pho-AlSm1, ITC293-Pho-DENwt2, ITC297-Pho-DENAlSm4, ITC290-Pho-wt3, ITC301-PolIII-Untrko3, ITC304-PolIII-DENTCPko2, ITC298-PolIII-Untrwt3, ITC291-Pho-wt4, ITC295-Pho-AlSm2, ITC292-Pho-DENwt1, ITC302-PolIII-DENTCPwt1, ITC305-PolIII-DENTCPko4, ITC299-PolIII-Untrwt4
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DACJ02531
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-358-ITlab_170726_ChIP_ITC290-305_463
Analysis Date	July 27, 2017, 11:46 p.m.
Analysis Flows	0
runID	CJ591
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	2
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