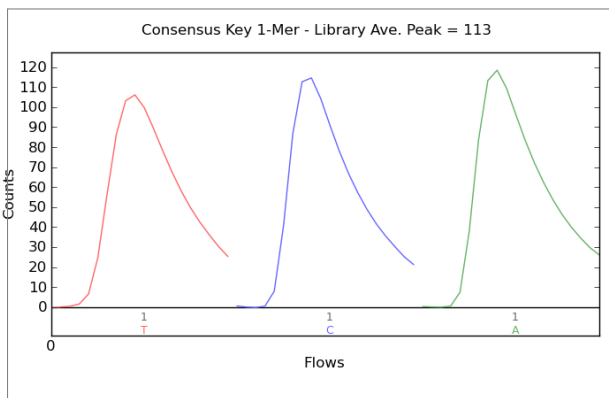
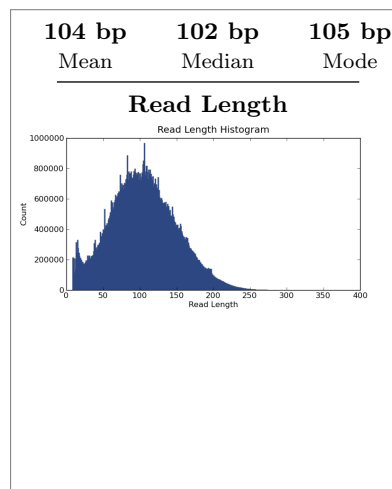
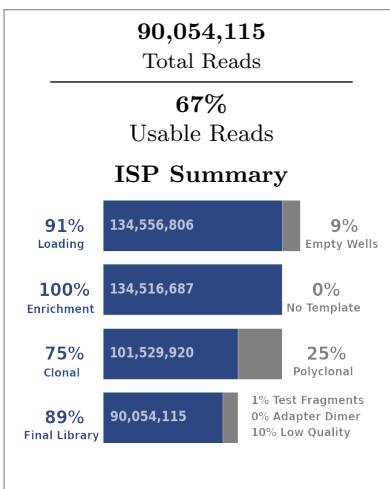
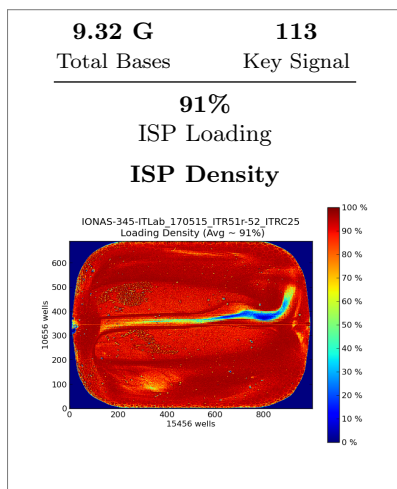


Run Summary



Addressable Wells		148,155,732
With ISPs	134,556,806	90.8%
Live	134,516,687	100.0%
Test Fragment	737,911	00.5%
Library	133,778,776	99.5%

Library ISPs		133,778,776
Filtered: Polyclonal	32,986,767	24.7%
Filtered: Low Quality	11,489,253	08.6%
Filtered: Adapter Dimer	222,111	00.2%
Final Library ISPs	90,054,115	67.3%

Notes: ITlab_7RNaseqSamples_ITRC2EPsamples

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	164,993,889	106,024,098	2,393,719	69 bp
IonXpressRNA_002	ITR52-Set9ko2	3,696,588,391	2,911,054,433	29,139,987	127 bp
IonXpressRNA_014	ITR51r-Set9ko1	4,683,531,975	3,833,330,874	49,486,850	95 bp
IonXpressRNA_015	ITRC25-wt1	777,659,151	640,630,943	9,030,918	86 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	292,046	92%	
TF_1	410,302	89%	

Analysis Details

Run Name	R_2017_05_16_12_13_35_user_IONAS-345-ITLab_170515_ITR51r-52_ITRC25
Run Date	May 16, 2017, 12:15 p.m.
Run Flows	520
Projects	ITLab_uRNA , ITLab_RNASeq
Sample Reference	ITR51r-Set9ko1, ITRC25-wt1, ITR52-Set9ko2
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DACD12015
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpressRNA
Analysis Name	Auto_user_IONAS-345-ITLab_170515_ITR51r-52_ITRC25_448
Analysis Date	May 16, 2017, 8:36 p.m.
Analysis Flows	0
runID	0Q5IL
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 -min-read-length 8 -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	May 16, 2017, 11:01 a.m.
Chef Instrument Name	CHEF00509
Sample Position	1
Tip Rack Barcode	44C1100C1
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	Apr2017
Chip Expiration 2	Apr2017
Templating Kit Type	Ion PI Hi-Q Chef Kit
Reagent Expiration	03710
Reagent Lot Number	1703710
Reagent Part Number	A27284C
Solution Lot Number	1703711
Solution Part Number	A27282C
Solution Expiration	03711
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