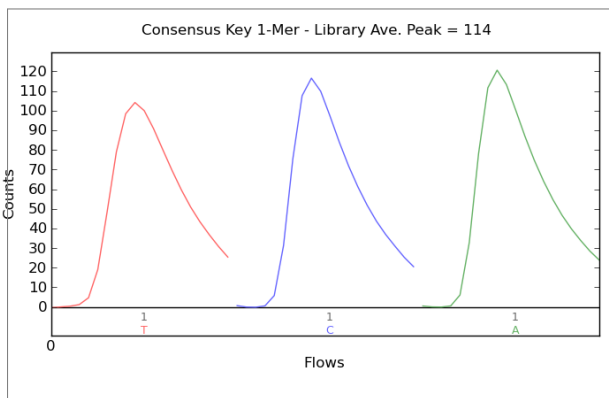
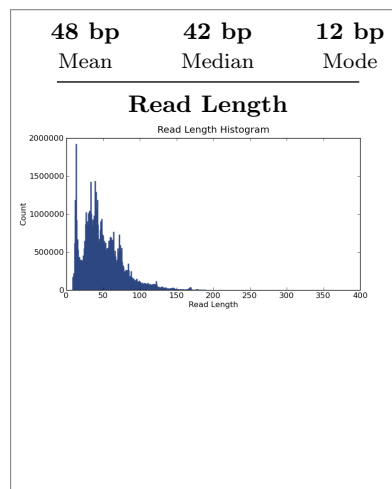
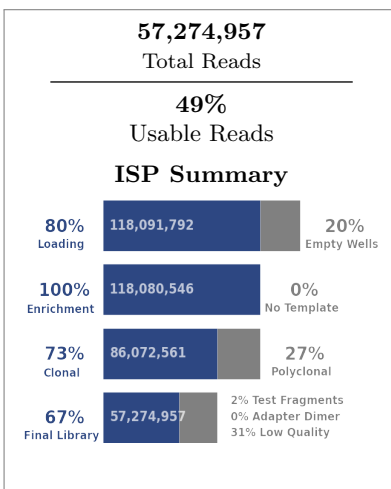
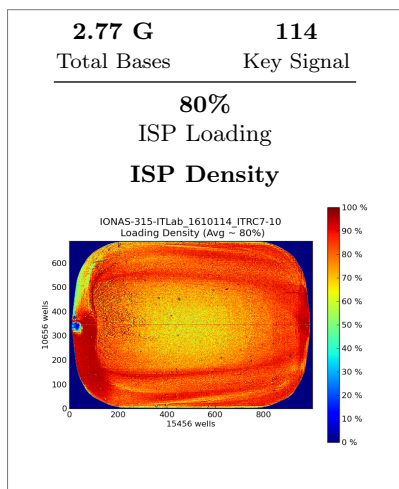


## Run Summary



Addressable Wells		148,155,732
With ISPs	118,091,792	79.7%
Live	118,080,546	100.0%
Test Fragment	1,606,010	01.4%
Library	116,474,536	98.6%

Library ISPs		116,474,536
Filtered: Polyclonal	32,007,985	27.5%
Filtered: Low Quality	27,657,793	23.7%
Filtered: Adapter Dimer	245,668	00.2%
<b>Final Library ISPs</b>	<b>57,274,957</b>	<b>49.2%</b>

Notes: ITlab\_4KN-4uRNAs\_ITRC7-wt1bioUTP-bc5\_ITRC8-SET8ko1bioUTP-bc6\_ITRC9-wt1brUTP-bc7\_ITRC10-SET8ko1brUTP-bc8

Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	79,885,464	35,941,385	2,531,468	32 bp
IonXpressRNA_005	ITRC7-wt1bioUTP	490,677,196	409,851,555	12,427,217	39 bp
IonXpressRNA_006	ITRC8-SET8ko1bioUTP	827,055,153	699,740,435	14,695,989	56 bp
IonXpressRNA_007	ITRC9-wt1brUTP	877,716,004	743,650,903	15,693,377	56 bp
IonXpressRNA_008	ITRC10-SET8ko1brUTP	496,393,383	417,542,727	11,926,708	42 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>982,415</b>	<b>97%</b>	
<b>TF_1</b>	<b>592,031</b>	<b>91%</b>	



## Analysis Details

<b>Run Name</b>	R_2016_11_15_10_33_17_user_IONAS-315-ITLab_1610114_ITRC7-10
<b>Run Date</b>	Nov. 15, 2016, 10:35 a.m.
<b>Run Flows</b>	520
<b>Projects</b>	ITLab_RNASeq , ITLab_uRNA
<b>Sample</b>	ITRC10-SET8ko1brUTP, ITRC9-wt1brUTP, ITRC8-SET8ko1bioUTP, ITRC7-wt1bioUTP
<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>	DABE25265
<b>Chip Check</b>	Passed
<b>Chip Type</b>	P1.1.17
<b>Chip Data</b>	tiled
<b>Barcode Set</b>	IonXpressRNA
<b>Analysis Name</b>	Auto_user_IONAS-315-ITLab_1610114_ITRC7-10_414
<b>Analysis Date</b>	Nov. 15, 2016, 5:34 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	COLJ4
<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 -min-read-length 8 -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>	Nov. 15, 2016, 10:31 a.m.
<b>Chef Instrument Name</b>	CHEF00509
<b>Sample Position</b>	2
<b>Tip Rack Barcode</b>	455280041
<b>Chip Type 1</b>	P1v3
<b>Chip Type 2</b>	P1v3
<b>Chip Expiration 1</b>	May2016
<b>Chip Expiration 2</b>	May2016
<b>Templating Kit Type</b>	Ion PI Hi-Q Chef Kit
<b>Reagent Expiration</b>	03710
<b>Reagent Lot Number</b>	1703710
<b>Reagent Part Number</b>	A27284C
<b>Solution Lot Number</b>	1703711
<b>Solution Part Number</b>	A27282C
<b>Solution Expiration</b>	03711
<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