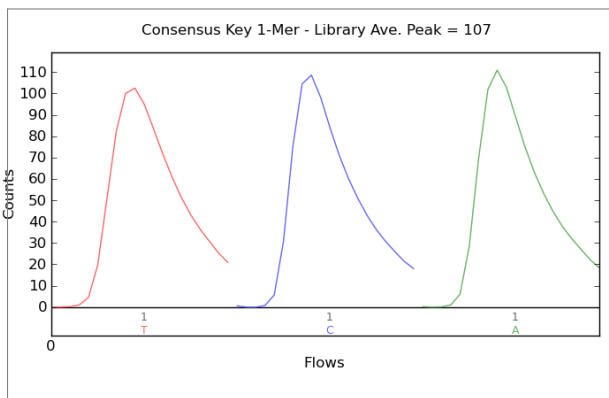
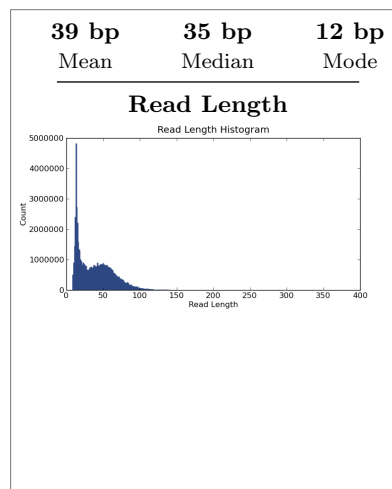
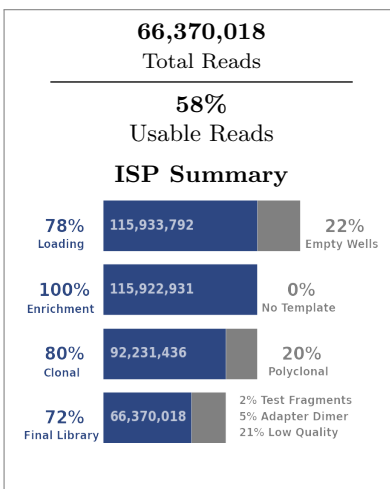
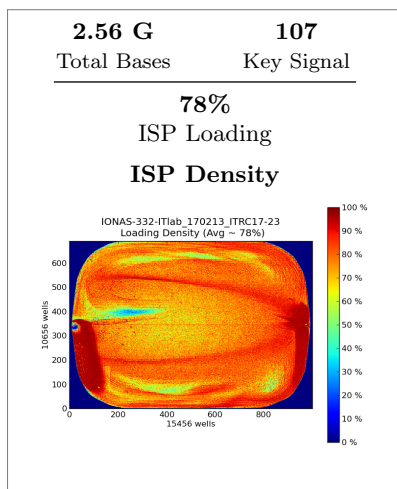


## Run Summary



Addressable Wells		148,155,732
With ISPs	115,933,792	78.3%
Live	115,922,931	100.0%
Test Fragment	2,121,727	01.8%
Library	113,801,204	98.2%
Library ISPs		113,801,204
Filtered: Polyclonal	23,691,495	20.8%
Filtered: Low Quality	20,085,837	17.6%
Filtered: Adapter Dimer	4,588,419	04.0%
<b>Final Library ISPs</b>	<b>66,370,018</b>	<b>58.3%</b>

Notes: ITlab\_6uRNAs\_wtvsko\_3Br\_3Eu

Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	122,172,663	38,553,699	5,523,316	22 bp
IonXpressRNA_009	ITRC17-wt1Br	235,756,084	204,312,874	9,649,069	24 bp
IonXpressRNA_010	ITRC18-wt2Br	769,908,372	673,622,659	16,193,928	48 bp
IonXpressRNA_012	ITRC20-ko2Br	630,565,100	553,172,761	11,314,851	56 bp
IonXpressRNA_013	ITRC21-wt1Eu	438,919,858	382,789,461	14,449,401	30 bp
IonXpressRNA_014	ITRC22-wt2Eu	278,107,645	241,274,761	7,079,656	39 bp
IonXpressRNA_015	ITRC23-ko1Eu	83,180,150	70,486,632	2,155,254	39 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>2,026,345</b>	<b>93%</b>	

## Analysis Details

<b>Run Name</b>	R_2017_02_14_11_22_48_user_IONAS-332-ITlab_170213_ITRC17-23
<b>Run Date</b>	Feb. 14, 2017, 11:24 a.m.
<b>Run Flows</b>	520
<b>Projects</b>	ITLab_uRNA
<b>Sample</b>	ITRC23-ko1Eu, ITRC22-wt2Eu, ITRC18-wt2Br, ITRC17-wt1Br, ITRC21-wt1Eu, ITRC20-ko2Br
<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>	DABE25257
<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-332-ITlab_170213_ITRC17-23_433
<b>Analysis Date</b>	Feb. 14, 2017, 6:21 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	A00QW
<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_p1.1.17_ampliseq_exome.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>	Feb. 14, 2017, 11:04 a.m.
<b>Chef Instrument Name</b>	CHEF00509
<b>Sample Position</b>	1
<b>Tip Rack Barcode</b>	25226007E
<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 IC 200 Kit
<b>Reagent Expiration</b>	83276
<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>	151231
<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