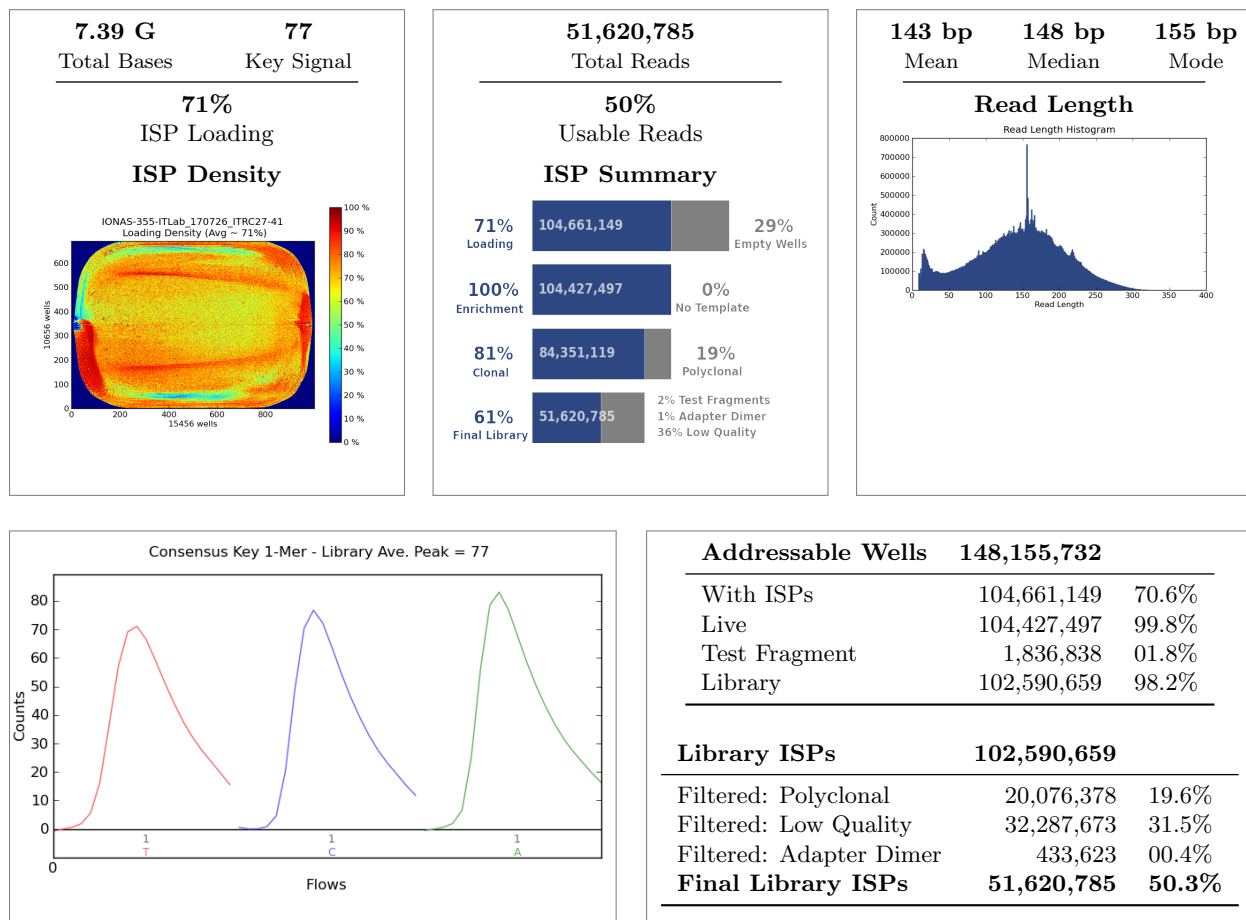


## Run Summary



Notes: ITlab\_15uRNAs\_ITRC27-41


Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	127,762,788	74,506,454	2,114,025	60 bp
IonXpressRNA_002	ITRC27-BrEU-wt3	228,163,845	190,094,369	2,503,706	91 bp
IonXpressRNA_003	ITRC28-BrEU-wt4	461,644,947	365,148,256	2,977,119	155 bp
IonXpressRNA_004	ITRC29-GRO-DENTC-wt1a	86,127,827	71,773,516	743,223	116 bp
IonXpressRNA_005	ITRC30-GRO-DENTC-wt1b	153,554,620	125,119,191	1,153,160	133 bp
IonXpressRNA_006	ITRC31-GRO-USP22-DENTC-ko1	698,021,953	559,367,749	4,558,581	153 bp
IonXpressRNA_007	ITRC32-GRO-USP22-DENTC-ko2	373,090,023	302,899,763	2,601,145	143 bp
IonXpressRNA_008	ITRC33-GRO-USP22-DENTC-ko3	640,792,267	511,343,428	4,100,937	156 bp
IonXpressRNA_009	ITRC34-EU-wt1	397,110,469	317,768,605	3,009,770	132 bp
IonXpressRNA_010	ITRC35-EU-wt2	506,745,633	394,988,406	3,329,530	152 bp

Run Report for Auto\_user\_IONAS-355-ITLab\_170726\_ITRC27-41\_458

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IonXpressRNA_011	ITRC36-EU-USP22-ko1	618,387,115	465,808,670	3,808,762	162 bp
IonXpressRNA_012	ITRC37-EU-USP22-ko2	534,181,728	413,297,208	3,249,570	164 bp
IonXpressRNA_013	ITRC38-EU-DENTC-wt2	761,371,828	603,376,157	4,952,699	154 bp
IonXpressRNA_014	ITRC39-EU-DENTC-wt3	774,958,914	596,168,647	4,745,661	163 bp
IonXpressRNA_015	ITRC40-EU-USP22-DENTC-ko4	625,918,947	468,984,372	3,867,998	162 bp
IonXpressRNA_016	ITRC41-EU-USP22-DENTC-ko5	405,928,437	330,165,801	3,904,894	104 bp

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Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>1,771,301</b>	<b>94%</b>	

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## Analysis Details

<b>Run Name</b>	R_2017_07_26_13_31_42_user_IONAS-355-ITLab_170726_ITRC27-41
<b>Run Date</b>	July 26, 2017, 1:33 p.m.
<b>Run Flows</b>	520
<b>Projects</b>	ITLab_uRNA
<b>Sample</b>	ITRC30-GRO-DENTC-wt1b, ITRC31-GRO-USP22-DENTC-ko1, ITRC29-GRO-DENTC-wt1a, ITRC37-EU-USP22-ko2, ITRC41-EU-USP22-DENTC-ko5, ITRC35-EU-wt2, ITRC36-EU-USP22-ko1, ITRC38-EU-DENTC-wt2, ITRC40-EU-USP22-DENTC-ko4, ITRC33-GRO-USP22-DENTC-ko3, ITRC39-EU-DENTC-wt3, ITRC32-GRO-USP22-DENTC-ko2, ITRC28-BrEU-wt4, ITRC34-EU-wt1, ITRC27-BrEU-wt3
<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>	DACJ02546
<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-355-ITLab_170726_ITRC27-41_458
<b>Analysis Date</b>	July 26, 2017, 8:52 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	7WZYV
<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>	July 6, 2017, 11:33 a.m.
<b>Chef Instrument Name</b>	CHEF00509
<b>Sample Position</b>	2
<b>Tip Rack Barcode</b>	2520500BD
<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>	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