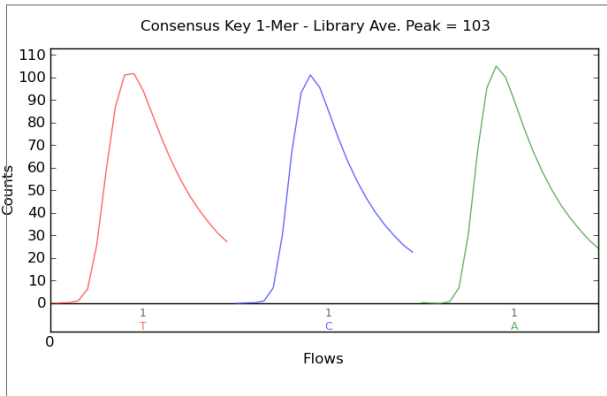
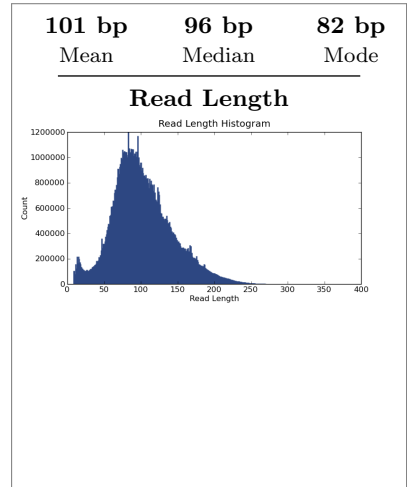
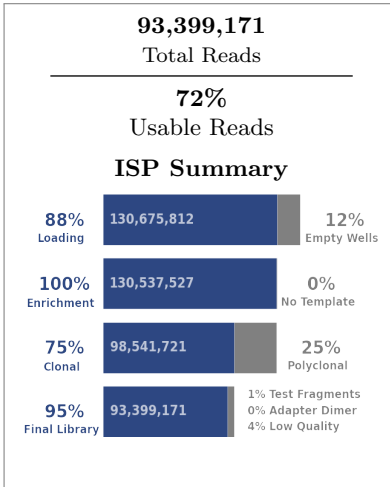
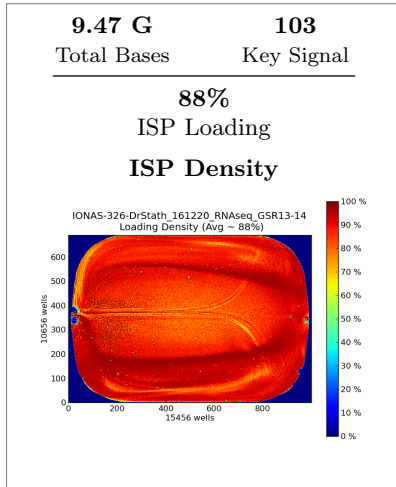


## Run Summary



<b>Addressable Wells</b>	<b>148,155,732</b>	
With ISPs	130,675,812	88.2%
Live	130,537,527	99.9%
Test Fragment	1,258,749	01.0%
Library	129,278,778	99.0%
<b>Library ISPs</b>	<b>129,278,778</b>	
Filtered: Polyclonal	31,995,806	24.7%
Filtered: Low Quality	4,518,748	03.5%
Filtered: Adapter Dimer	159,006	00.1%
<b>Final Library ISPs</b>	<b>93,399,171</b>	<b>72.2%</b>

Notes: DrStathopoulos\_4AKRNAseq\_GSR13-KPM3-bc3\_GSR14-KPM4-bc4

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	119,700,317	87,645,765	1,678,272	71 bp
IonXpressRNA_003	GSR13-KPM3	4,628,503,453	3,861,595,808	43,479,846	106 bp
IonXpressRNA_004	GSR14-KPM4	4,720,869,111	3,938,237,645	48,222,866	98 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>1,076,011</b>	<b>92%</b>	

## Analysis Details

<b>Run Name</b>	R_2016_12_21_13_27_14_user_IONAS-326-DrStath_161220_RNAseq_GSR13-14
<b>Run Date</b>	Dec. 21, 2016, 1:29 p.m.
<b>Run Flows</b>	520
<b>Projects</b>	DrStathopoulos_RNAseq
<b>Sample</b>	GSR13-KPM3, GSR14-KPM4
<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>	DABE25250
<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-326-DrStath_161220_RNAseq_GSR13-14_426
<b>Analysis Date</b>	Dec. 21, 2016, 10:02 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	D9VKL
<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>	Dec. 21, 2016, 10:34 a.m.
<b>Chef Instrument Name</b>	CHEF00509
<b>Sample Position</b>	2
<b>Tip Rack Barcode</b>	252260063
<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