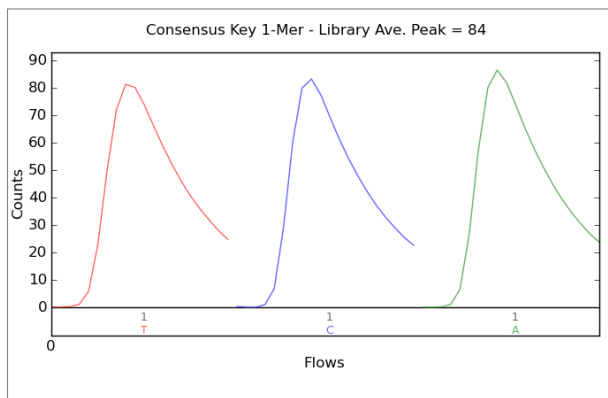
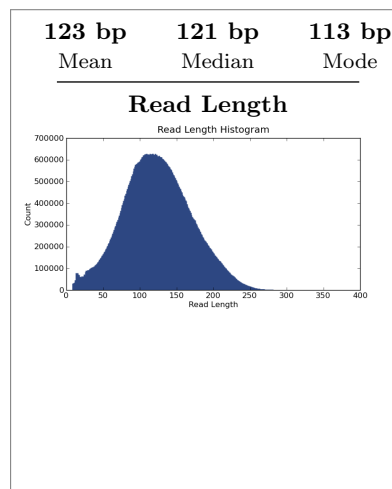
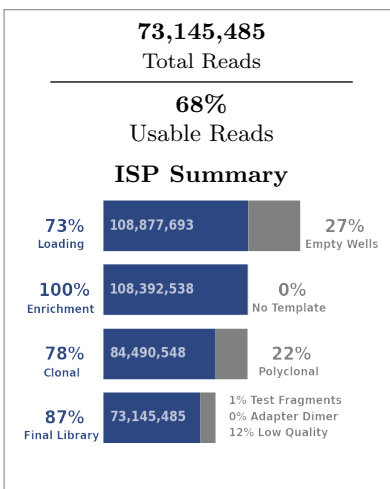
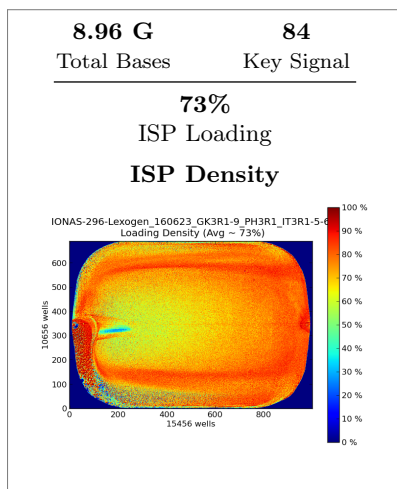


## Run Summary



<b>Addressable Wells</b>	<b>148,155,732</b>	
With ISPs	108,877,693	73.5%
Live	108,392,538	99.6%
Test Fragment	1,219,333	01.1%
Library	107,173,205	98.9%
<b>Library ISPs</b>	<b>107,173,205</b>	
Filtered: Polyclonal	23,901,990	22.3%
Filtered: Low Quality	10,739,022	10.0%
Filtered: Adapter Dimer	39,099	00.0%
<b>Final Library ISPs</b>	<b>73,145,485</b>	<b>68.2%</b>


Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	6,026,995,518	4,453,698,739	47,596,519	127 bp
BC01	GK3R1-T1	200,493,848	151,830,694	1,784,241	112 bp
BC02	GK3R2-T2	176,842,070	132,917,196	1,523,123	116 bp
BC03	GK3R3-T3	259,012,223	193,387,505	2,095,619	124 bp
BC04	GK3R4-U1	187,371,618	142,623,846	1,509,902	124 bp
BC05	none	13,645,732	11,034,736	102,976	133 bp
BC06	GK3R6-U3	186,290,453	137,668,043	1,509,296	123 bp
BC07	GK3R7-G1	332,374,475	250,564,164	2,789,351	119 bp
BC08	GK3R8-G2	126,382,633	96,606,463	1,128,839	112 bp
BC09	GK3R9-G3	480,739,551	366,460,430	4,172,965	115 bp
BC10	GK3R5-U2	166,147,816	124,242,731	1,446,192	115 bp
BC11	PH3R1-R	146,453,628	113,259,251	1,759,620	83 bp

Run Report for Auto\_user\_IONAS-296-Lexogen\_160623\_GK3R1-9\_PH3R1\_IT3R1-5-6\_393

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BC12	IT3R1-wt1LM	343,926,833	258,434,007	2,973,514	116 bp
BC14	none	8,042,907	6,471,716	60,619	133 bp
BC16	IT3R5-wt1LF	128,251,154	94,953,163	1,125,242	114 bp
BC17	IT3R6-wt2LF	163,536,569	122,622,824	1,440,258	114 bp
BC24	none	9,333,949	7,035,641	86,723	108 bp

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Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>1,132,711</b>	<b>67%</b>	

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## Analysis Details

<b>Run Name</b>	R_2016_06_24_14_26_56_user_IONAS-296-Lexogen_160623_GK3R1-9_PH3R1_IT3R1-5-6
<b>Run Date</b>	June 24, 2016, 2:29 p.m.
<b>Run Flows</b>	520
<b>Projects</b>	GKLab_3RNAseq , PHLab_3RNAseq , LexoGen_QuantSeq , ITLab_3RNAseq
<b>Sample</b>	IT3R6-wt2LF, GK3R7-G1, IT3R1-wt1LM, GK3R6-U3, GK3R2-T2, GK3R5-U2, GK3R8-G2, PH3R1-R, GK3R3-T3, GK3R1-T1, IT3R5-wt1LF, GK3R4-U1, GK3R9-G3
<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>	
<b>Chip Check</b>	Passed
<b>Chip Type</b>	P1.1.17
<b>Chip Data</b>	tiled
<b>Barcode Set</b>	Lexogen_RNA_48
<b>Analysis Name</b>	Auto_user_IONAS-296-Lexogen_160623_GK3R1-9_PH3R1_IT3R1-5-6_393
<b>Analysis Date</b>	June 24, 2016, 10:22 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	SGIB6
<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>	June 24, 2016, 11:04 a.m.
<b>Chef Instrument Name</b>	CHEF00509
<b>Sample Position</b>	1
<b>Tip Rack Barcode</b>	25216009C
<b>Chip Type 1</b>	P1v3
<b>Chip Type 2</b>	P1v3
<b>Chip Expiration 1</b>	Apr2016
<b>Chip Expiration 2</b>	May2016
<b>Templating Kit Type</b>	Ion PI IC 200 Kit
<b>Reagent Expiration</b>	151225
<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>	01986
<b>Chef Script Version</b>	263
<b>Chef Package Version</b>	IC.5.0.1

### Software Version

<b>Torrent_Suite</b>	5.0.4
<b>host</b>	FW7DQV1
<b>ion-analysis</b>	5.0.13-1
<b>ion-chefupdates</b>	5.0.3
<b>ion-dbreports</b>	5.0.33-1
<b>ion-gpu</b>	5.0.0-1
<b>ion-pipeline</b>	5.0.16-1
<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