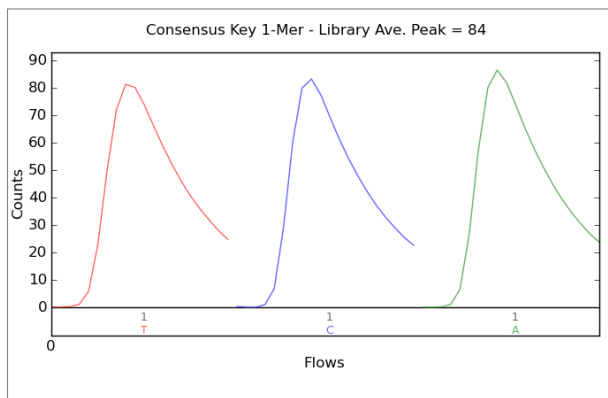
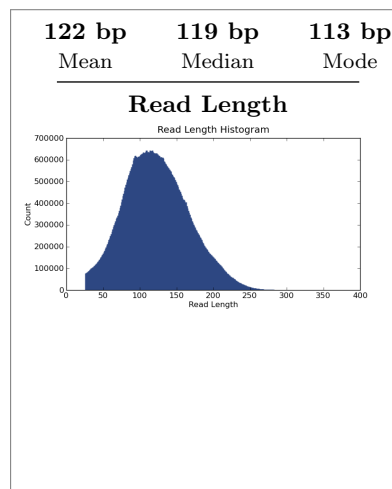
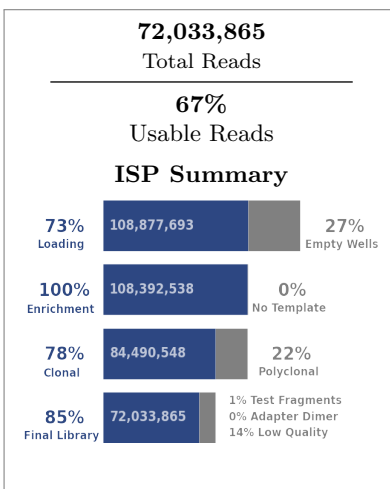
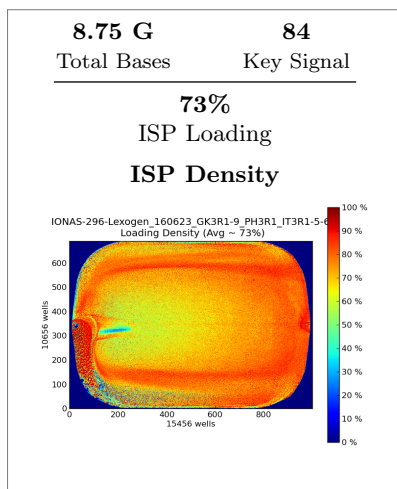


Run Summary




Addressable Wells	148,155,732	
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%
Library ISPs	107,173,205	
Filtered: Polyclonal	23,901,990	22.3%
Filtered: Low Quality	11,712,204	10.9%
Filtered: Adapter Dimer	177,537	00.2%
Final Library ISPs	72,033,865	67.2%

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	881,836,870	724,805,410	6,491,627	136 bp
IonXpress_001	GK3R1-T1	544,797,361	449,510,345	4,644,186	117 bp
IonXpress_002	GK3R2-T2	517,491,239	425,791,898	4,291,953	121 bp
IonXpress_003	GK3R3-T3	514,298,863	418,311,425	3,953,114	130 bp
IonXpress_004	GK3R4-U1	514,584,707	425,616,864	3,970,351	130 bp
IonXpress_005	none	29,315,098	25,370,383	217,441	135 bp
IonXpress_006	GK3R6-U3	493,195,641	396,456,804	3,767,739	131 bp
IonXpress_007	GK3R7-G1	619,891,902	505,756,004	4,941,242	125 bp
IonXpress_008	GK3R8-G2	579,685,198	482,568,506	5,007,997	116 bp
IonXpress_009	GK3R9-G3	1,236,297,762	1,025,060,416	10,300,128	120 bp
IonXpress_010	GK3R5-U2	620,669,861	505,600,552	5,103,078	122 bp
IonXpress_011	PH3R1-R	323,338,794	268,798,013	3,744,432	86 bp

Run Report for IONAS-296-Lexogen_160623_GK3R1-9_PH3R1_IT3R1-5-6_b2

IonXpress_012	IT3R1-wt1LM	707,432,401	575,527,376	5,768,791	123 bp
IonXpress_014	none	26,634,322	23,140,457	198,641	134 bp
IonXpress_016	IT3R5-wt1LF	530,672,386	431,011,464	4,446,419	119 bp
IonXpress_017	IT3R6-wt2LF	594,012,776	482,939,807	4,930,889	120 bp
IonXpress_024	none	17,468,906	14,294,153	151,600	115 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,130,950	67%	

Analysis Details

Run Name	R_2016_06_24_14_26_56_user_IONAS-296-Lexogen_160623_GK3R1-9_PH3R1_IT3R1-5-6
Run Date	June 24, 2016, 2:29 p.m.
Run Flows	520
Projects	GKLab_3RNAseq , PHLab_3RNAseq , LexoGen_QuantSeq , ITLab_3RNAseq
Sample	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
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	IONAS-296-Lexogen_160623_GK3R1-9_PH3R1_IT3R1-5-6_b2
Analysis Date	June 27, 2016, 6:29 p.m.
Analysis Flows	0
runID	HOJQQ
BeadFind Args	justBeadFind -beadfind-minlivesnr 3 -region-size=216,224 -total-timeout 600
Analysis Args	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 _p 1.1.17 _a mpliseq _e xome.param.json
Pre-BaseCaller Args for calibration	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -max-phasing-levels 2
Calibration Args	Calibration
BaseCaller Args	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -num-unfiltered 1000 -barcode-filter-postpone 1
Alignment Args	tmap mapall ... stage1 map4
IonStats Args	ionstats alignment
Analysis Parameters	default

Chef Summary

Chef Template Prep Information:

Chef Last Updated	June 24, 2016, 11:04 a.m.
Chef Instrument Name	CHEF00509
Sample Position	1
Tip Rack Barcode	25216009C
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	Apr2016
Chip Expiration 2	May2016
Templating Kit Type	Ion PI IC 200 Kit
Reagent Expiration	151225
Reagent Lot Number	0023442
Reagent Part Number	100023442
Solution Lot Number	0022894
Solution Part Number	100022894
Solution Expiration	01986
Chef Script Version	263
Chef Package Version	IC.5.0.1

Software Version

Torrent_Suite	5.0.4
host	FW7DQV1
ion-analysis	5.0.13-1
ion-chefupdates	5.0.3
ion-dbreports	5.0.33-1
ion-gpu	5.0.0-1
ion-pipeline	5.0.16-1
ion-plugins	5.0.28-1
ion-protonupdates	5.0.3
ion-torrentr	5.0.0-1
Script	2.1.33
LiveView	2045
DataCollect	3220
OIA	5002
OS	30
Graphics	52
Ion.Chef	IC.5.0.1