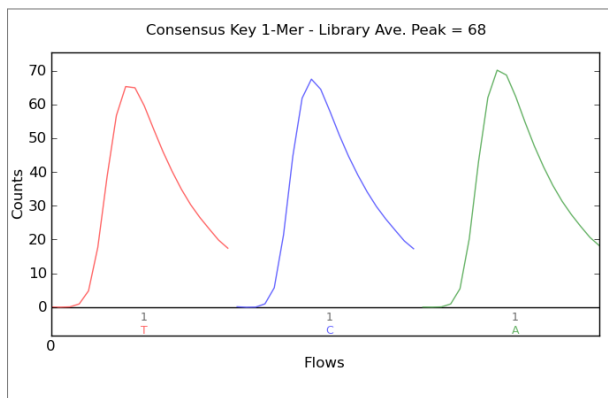
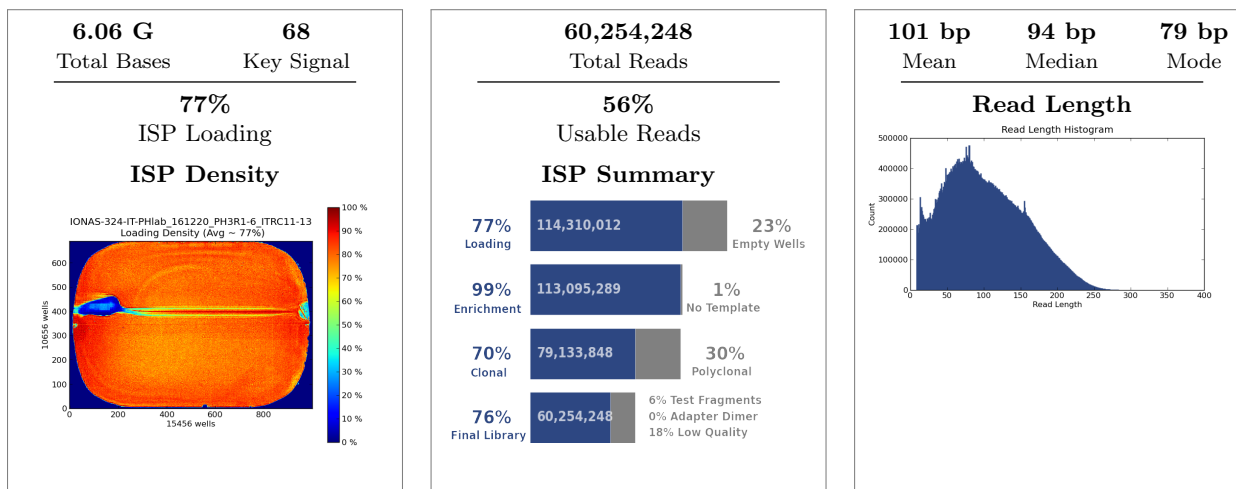


Run Summary



Addressable Wells		148,155,732
With ISPs	114,310,012	77.2%
Live	113,095,289	98.9%
Test Fragment	5,056,201	04.5%
Library	108,039,088	95.5%


Library ISPs		108,039,088
Filtered: Polyclonal	33,961,441	31.4%
Filtered: Low Quality	13,468,540	12.5%
Filtered: Adapter Dimer	380,270	00.4%
Final Library ISPs	60,254,248	55.8%

Notes: PHLab-6-3RNAseq-ITLab-3of9-uRNAs

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	489,126,193	320,397,193	4,669,138	105 bp
IonXpressRNA_001	PH3R1-neg1	1,092,249	790,441	10,888	100 bp
IonXpressRNA_002	PH3R2-neg2	424,941	327,814	4,841	88 bp
IonXpressRNA_003	PH3R3-neg3	3,848,535	2,664,805	33,332	115 bp
IonXpressRNA_004	PH3R4-Ig3-1	3,284,622	2,530,119	34,397	95 bp
IonXpressRNA_005	PH3R5-Ig3-2	340,979	233,597	2,999	114 bp
IonXpressRNA_006	PH3R6-Ig3-3	2,795,633	1,911,263	24,751	113 bp
IonXpressRNA_007	none	896,917,788	606,399,359	7,806,892	115 bp
IonXpressRNA_009	none	319,935,446	215,441,957	2,779,793	115 bp
IonXpressRNA_010	none	723,444,830	486,249,467	6,577,515	110 bp
IonXpressRNA_011	ITRC11-wt2EUStrep	541,015,898	360,011,945	4,850,769	112 bp

Run Report for Auto_user_IONAS-324-IT-PHlab_161220_PH3R1-6_ITRC11-13_424

IonXpressRNA_012	ITRC12-wt2BioUTP	885,762,980	590,240,350	7,643,641	116 bp
IonXpressRNA_013	ITRC12-wt2BrUTP	628,222,975	417,742,368	6,089,661	103 bp
IonXpressRNA_014	none	663,789,819	521,804,953	6,697,101	99 bp
IonXpressRNA_015	none	634,605,324	510,313,250	7,708,316	82 bp
IonXpressRNA_016	none	265,849,896	212,859,146	5,311,453	50 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	4,648,526	86%	 <p>The histogram shows a distribution of read lengths for the TF_C fragment. The x-axis represents read length in base pairs (bp), and the y-axis represents the number of reads. The distribution is centered around 116 bp, with a significant number of reads extending up to 150 bp. A vertical blue line is drawn at 116 bp, indicating the peak of the distribution.</p>

Analysis Details

Run Name	R_2016_12_20_11_18_53_user_IONAS-324-IT-PHlab_161220_PH3R1-6_ITRC11-13
Run Date	Dec. 20, 2016, 11:20 a.m.
Run Flows	520
Projects	ITLab_uRNA , PHLab_3RNAseq
Sample	PH3R6-Ig3-3, PH3R1-neg1, PH3R4-Ig3-1, ITRC12-wt2BrUTP, PH3R2-neg2, PH3R5-Ig3-2, ITRC12-wt2BioUTP, ITRC11-wt2EUSrep, PH3R3-neg3
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	IonXpressRNA
Analysis Name	Auto_user_IONAS-324-IT-PHlab_161220_PH3R1-6_ITRC11-13_424
Analysis Date	Dec. 20, 2016, 6:43 p.m.
Analysis Flows	0
runID	53RDI
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 -min-read-length 8 -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

Ion Chef was not used for this run |

Software Version

Torrent_Suite	5.0.5
host	FW7DQV1
ion-analysis	5.0.13-1
ion-chefupdates	5.0.7
ion-dbreports	5.0.34-1
ion-gpu	5.0.0-1
ion-pipeline	5.0.17-1
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