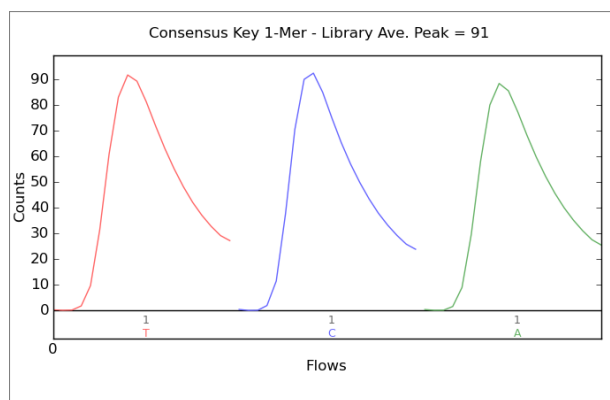
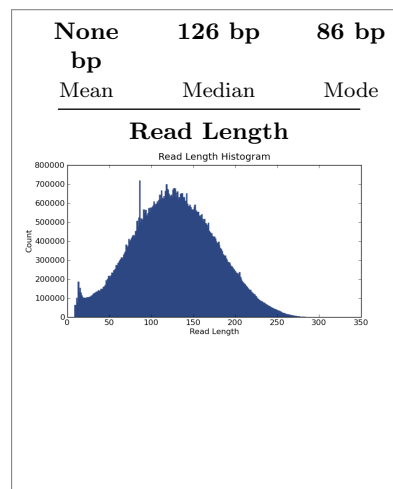
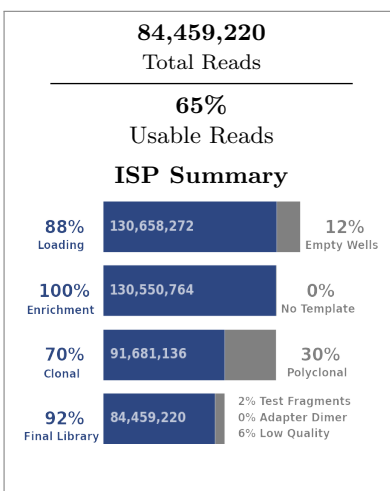
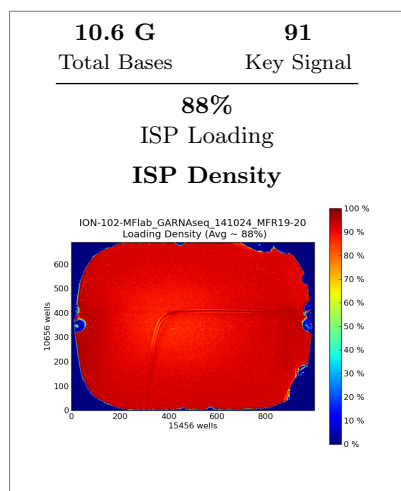


Run Summary



Addressable Wells	148,603,956	
With ISPs	130,658,272	87.9%
Live	130,550,764	99.9%
Test Fragment	1,554,610	01.2%
Library	128,996,154	98.8%

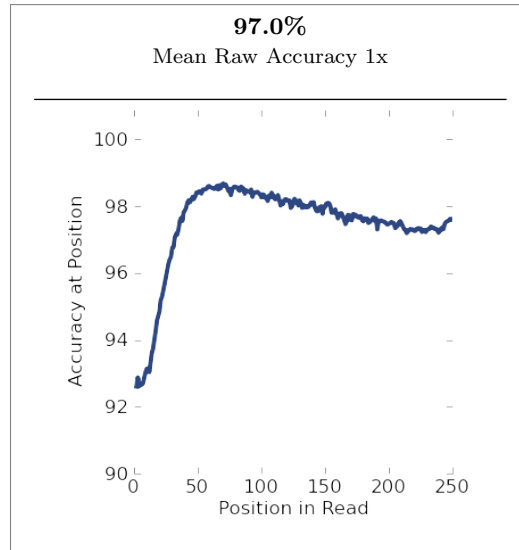
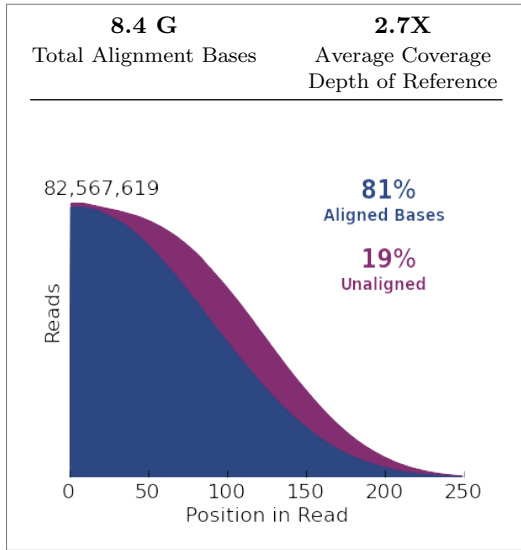
Library ISPs	128,996,154	
Filtered: Polyclonal	38,869,628	30.1%
Filtered: Low Quality	5,433,849	04.2%
Filtered: Primer Dimer	239,406	00.2%
Final Library ISPs	84,459,220	65.5%

Notes: MFlab_GA4RNaseqSamples_MFR19-A-scan081014-bc10_MFR20-B-scan081014-bc12_BIOLOGICALreplicatesRUN90

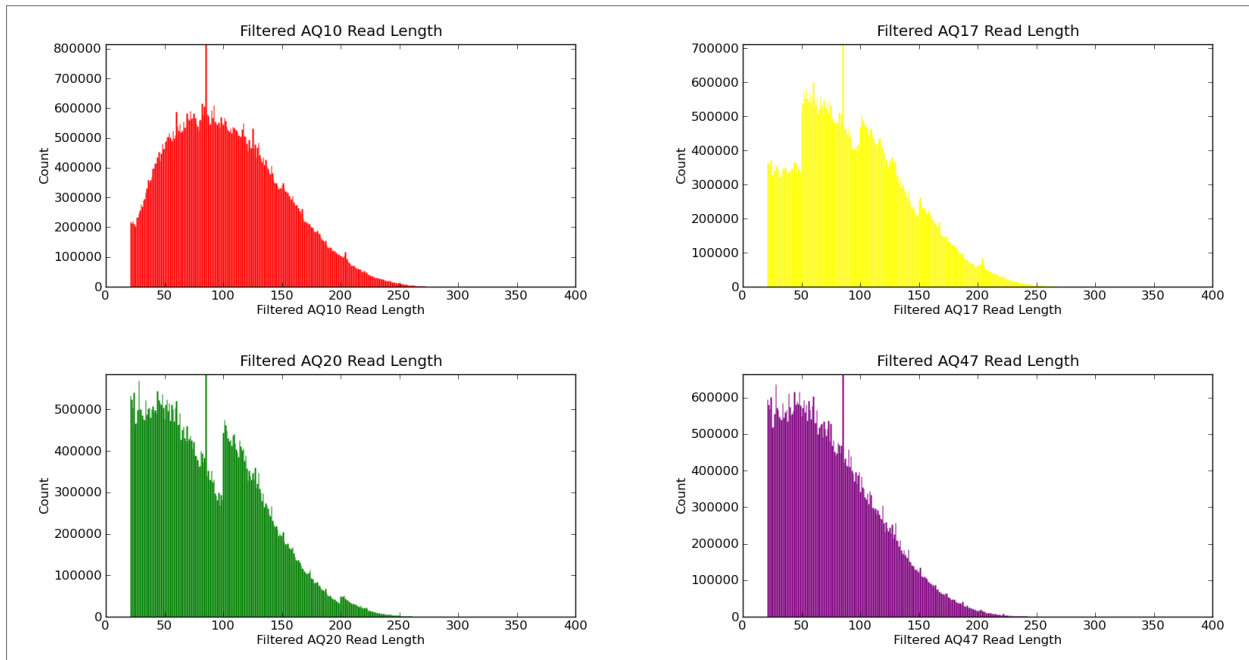
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	222,539,498	171,363,909	1,882,581	118 bp
IonXpressRNA_010	MFR19	4,340,173,864	3,821,841,392	37,636,806	115 bp
IonXpressRNA_012	MFR20	6,049,956,642	5,221,702,376	44,930,813	134 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,410,229	91%	

Alignment Summary *(aligned to Homo sapiens)*



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	5.9 G	5.1 G	4.3 G
Mean Length [bp]	95	87	77
Longest Alignment [bp]	306	301	291
Mean Coverage Depth	1.9	1.7	1.4



Analysis Details

Run Name	R_2014_10_24_11_46_05_user_ION-102-MFlab_GARNaseq_141024_MFR19-20
Run Date	Oct. 24, 2014, 11:48 a.m.
Run Flows	500
Projects	MFlab_RNASeq
Sample	MFR19, MFR20
Reference	
PGM	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpressRNA
Analysis Name	Auto_user_ION-102-MFlab_GARNaseq_141024_MFR19-20_153
Analysis Date	Oct. 24, 2014, 7:36 p.m.
Analysis Flows	0
runID	AVH6A

Software Version

Torrent_Suite	4.2.1
host	FW7DQV1
ion-analysis	4.2.18-1
ion-chefupdates	4.2.0
ion-dbreports	4.2.22-1
ion-gpu	4.2.2-1
ion-pipeline	4.2.12-1
ion-plugins	4.2.28-1
ion-protonupdates	4.2.2
ion-torrentr	4.2.1-1
LiveView	1835
DataCollect	2929
OIA	4201
OS	21
Graphics	34