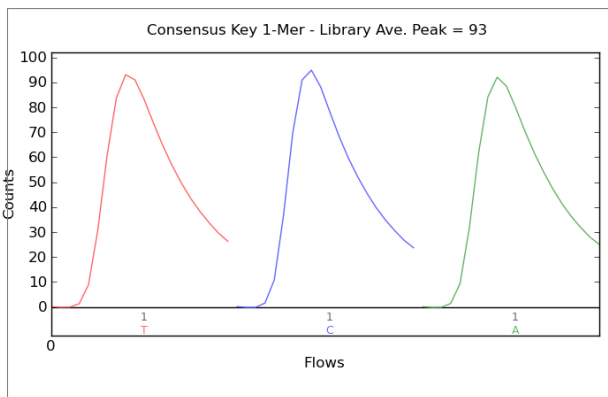
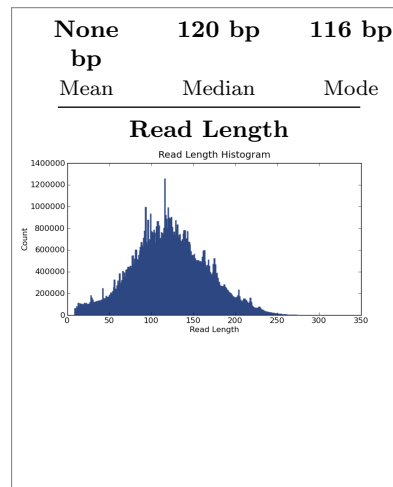
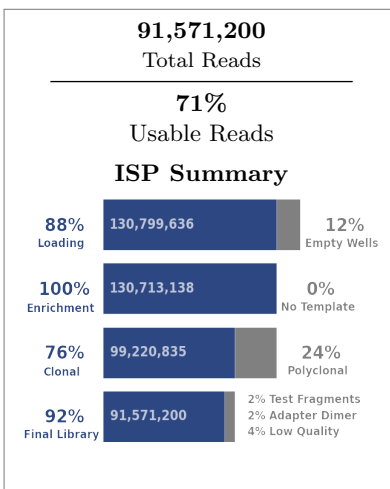
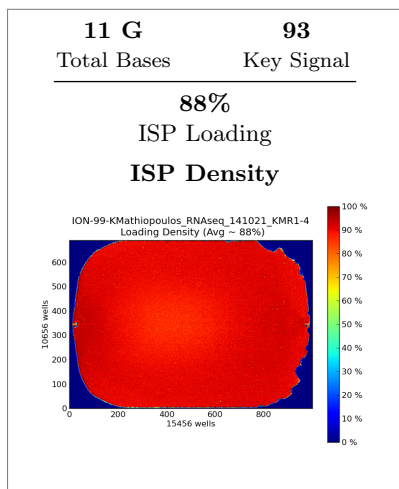


Run Summary



Addressable Wells		148,603,956
With ISPs	130,799,636	88.0%
Live	130,713,138	99.9%
Test Fragment	2,171,106	01.7%
Library	128,542,032	98.3%

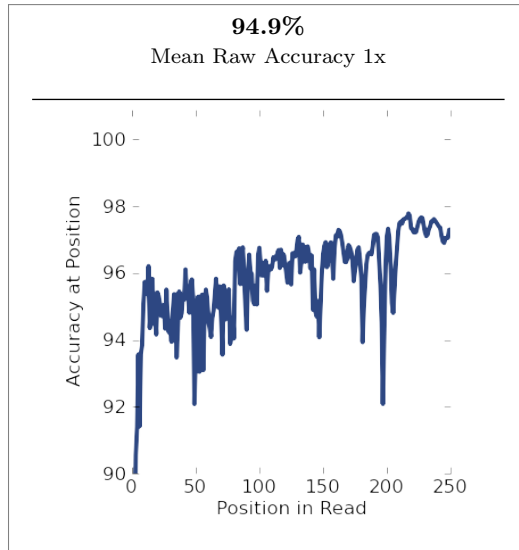
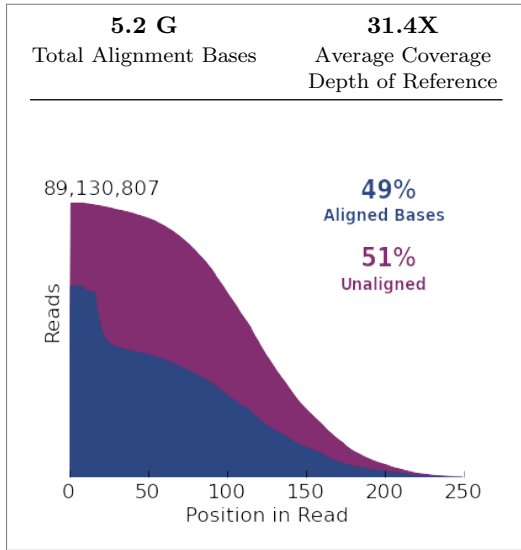
Library ISPs		128,542,032
Filtered: Polyclonal	31,492,303	24.5%
Filtered: Low Quality	3,651,181	02.8%
Filtered: Primer Dimer	1,835,899	01.4%
Final Library ISPs	91,571,200	71.2%

Notes: KMathiopoulos-24RNAsamples_KMR1-S103HeM1-bc1_KMR2-S103HeF1-bc4_KMR3-886HeM1-bc12_KMR4-886HeF1-bc16

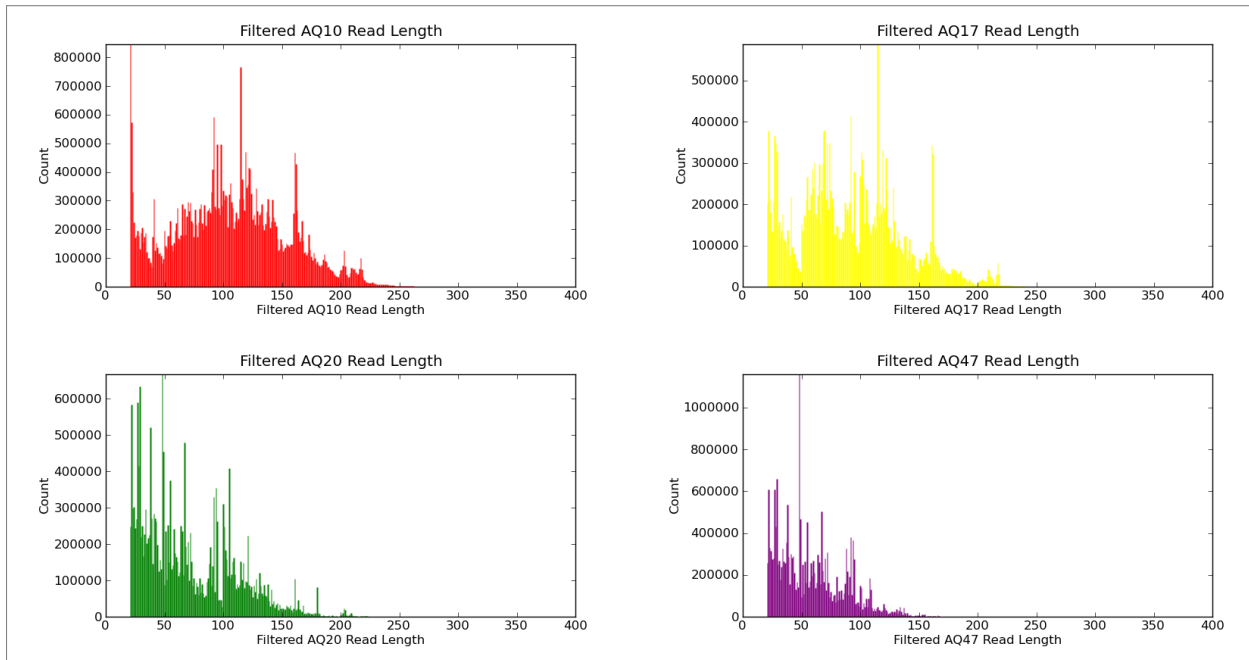
Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	286,774,285	234,872,735	2,391,539	119 bp
IonXpressRNA_001	KMR1	2,271,826,964	2,015,425,725	19,882,587	114 bp
IonXpressRNA_004	KMR2	3,064,863,732	2,713,288,416	24,444,818	125 bp
IonXpressRNA_012	KMR3	2,763,822,267	2,433,679,623	22,817,713	121 bp
IonXpressRNA_016	KMR4	2,629,261,482	2,317,305,177	21,985,689	119 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	2,022,339	92%	

Alignment Summary (aligned to *Drosophila melanogaster*)



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	2.3 G	1.5 G	1.2 G
Mean Length [bp]	92	70	58
Longest Alignment [bp]	279	270	253
Mean Coverage Depth	14.1	9.3	7.4



Analysis Details

Run Name	R_2014_10_21_12_25_58_user_ION-99-KMathiopoulos_RNAseq_141021_KMR1-4
Run Date	Oct. 21, 2014, 12:28 p.m.
Run Flows	500
Projects	DrMathiopoulos_RNAseq
Sample	KMR4, KMR2, KMR3, KMR1
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-99-KMathiopoulos_RNAseq_141021_KMR1-4_149
Analysis Date	Oct. 21, 2014, 8:32 p.m.
Analysis Flows	0
runID	J189Y

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