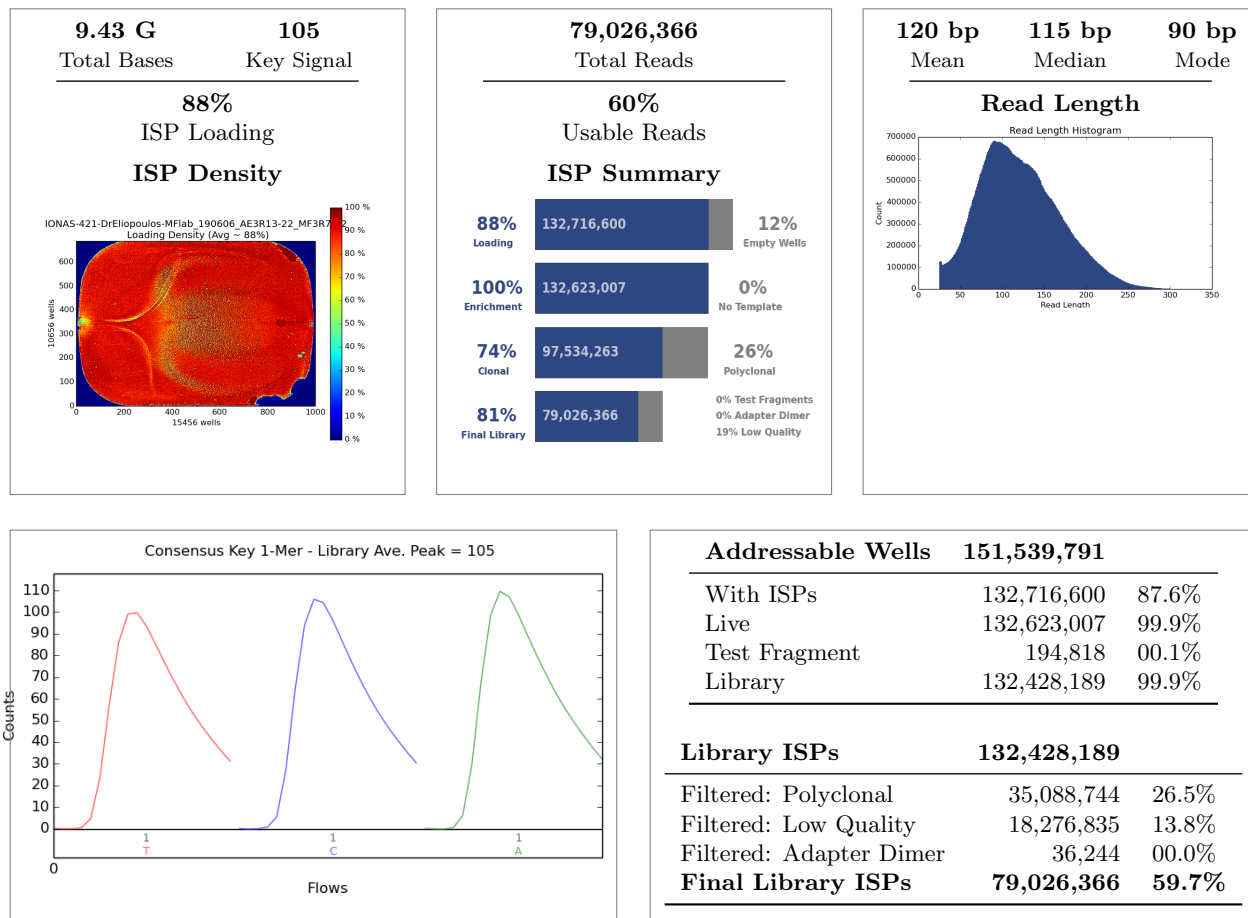






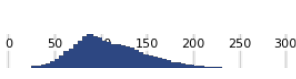
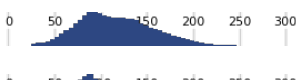
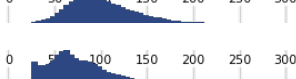


## Run Summary


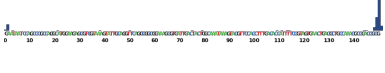


Notes: 3RNaseq\_DrEliopoulosAristidis-UoA\_13-22of36-mus.MFlab-TLiakos\_4of6-homo

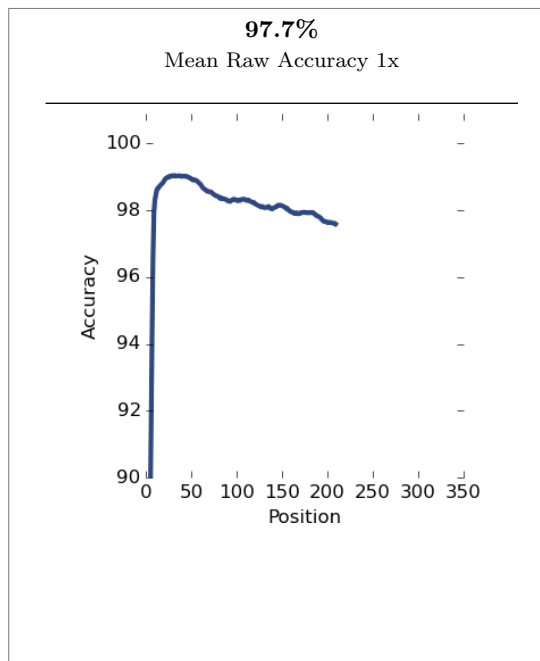
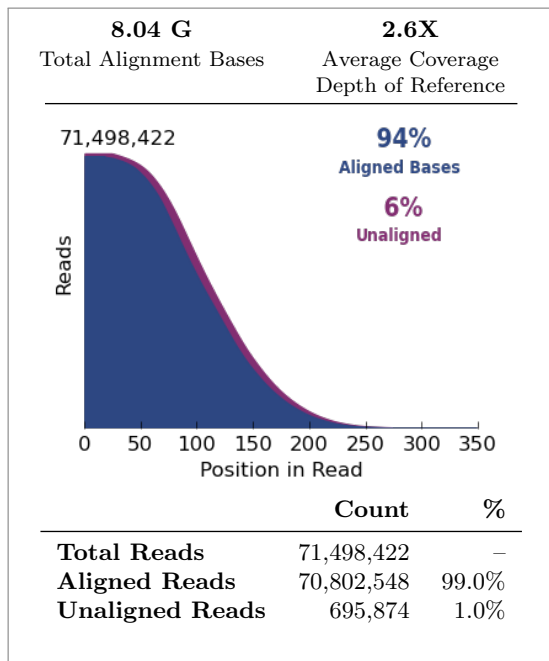
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length	Read Length Histogram
No barcode	none	646,823,892	517,239,335	5,406,060	119 bp	
IonXpress_003	none	20,525,624	16,911,343	171,645	119 bp	
IonXpress_009	none	170,748,857	139,741,994	1,377,522	123 bp	
IonXpress_013	AE3R13.L24B- 479,045,117 1	386,264,143	359,613,5	3,596,135	133 bp	
IonXpress_014	AE3R14.L33B- 610,717,805 1	496,090,242	4,958,220	4,958,220	123 bp	
IonXpress_015	AE3R15.L43B- 677,055,824 1	546,923,851	5,363,583	5,363,583	126 bp	
IonXpress_016	AE3R16.L59B- 571,243,225 1	462,425,890	4,588,304	4,588,304	124 bp	

Run Report for Auto\_user\_IONAS-421-DrEliopoulos-MFlab\_190606\_AE3R13-22\_MF3R7-12\_586

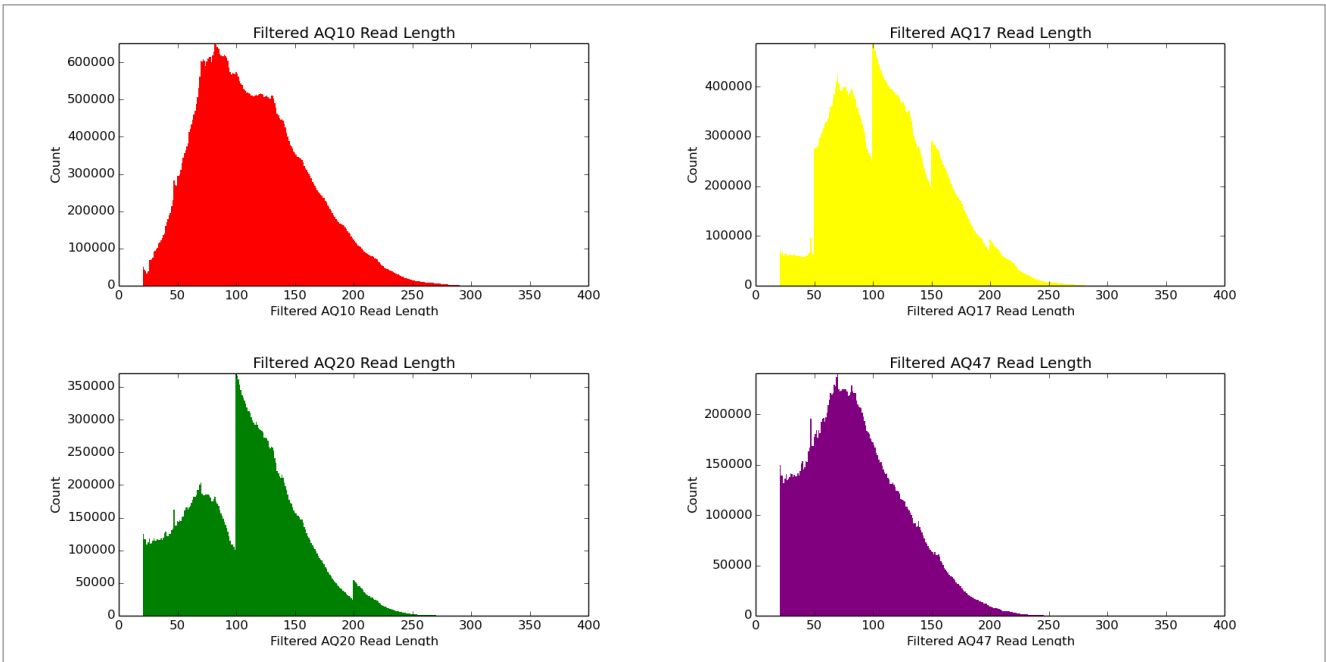
IonXpress_017	AE3R17_L64B- 981,357,959 1	804,370,290	7,982,554	122 bp	
IonXpress_018	AE3R18_L9B- 234,667,136 2	190,506,141	1,942,069	120 bp	
IonXpress_019	AE3R19_L26B- 673,237,785 2	553,043,195	5,390,991	124 bp	
IonXpress_020	AE3R20_L29B- 526,349,461 2	432,166,921	4,276,826	123 bp	
IonXpress_021	AE3R21_L54B- 1,217,217,940 2	996,645,590	9,530,457	127 bp	
IonXpress_022	AE3R22_L58B- 726,543,626 2	593,719,864	5,879,224	123 bp	
IonXpress_035	MF3R7_OFF1_1755- 762,548	627,998,925	6,970,995	108 bp	
IonXpress_037	MF3R9_3d1_bc374- 408,122	530,303,678	5,573,205	115 bp	
IonXpress_039	MF3R11_6d1 305,190,135	253,445,481	3,084,434	98 bp	
IonXpress_040	MF3R12_6d2 184,251,447	149,643,421	2,361,425	78 bp	

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>90,996</b>	<b>92</b>	
<b>TF_1</b>	<b>70,266</b>	<b>86</b>	

## Alignment Summary *(aligned to Homo sapiens)*



Alignment Quality			
	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	5.42 G	3.27 G	1.93 G
Mean Length [bp]	113	108	86
Longest Alignment [bp]	320	318	314
Mean Coverage Depth	1.7	1.1	0.6



## Analysis Details

<b>Run Name</b>	R_2019_06_07_11_28_20_user_IONAS-421-DrEliopoulos-MFlab_190606_AE3R13-22_MF3R7-12
<b>Run Date</b>	June 7, 2019, 11:29 a.m.
<b>Run Flows</b>	500
<b>Projects</b>	MFlab_3RNAseq , DrEliopoulos_3RNAseq
<b>Sample</b>	AE3R16.L59B-1, MF3R9_3d1_bc37, AE3R14.L33B-1, AE3R21.L54B-2, AE3R19.L26B-2, AE3R18.L9B-2, MF3R11_6d1, AE3R17.L64B-1, AE3R20.L29B-2, MF3R7_OFF1_bc35, AE3R13.L24B-1, MF3R12_6d2, AE3R15.L43B-1, AE3R22.L58B-2
<b>Reference</b>	
<b>Instrument</b>	IONAS
<b>Operation Mode</b>	Service mode
<b>Flow Order</b>	TACGTACGTCTGAGCATCGATCGATGTACAGC
<b>Library Key</b>	TCAG
<b>TF Key</b>	ATCG
<b>Chip Barcode</b>	DAEG05781
<b>Chip Check</b>	Passed
<b>Chip Type</b>	P1.1.17
<b>Chip Data</b>	tiled
<b>Chip Lot Number</b>	QVB546
<b>Chip Wafer</b>	06
<b>Barcode Set</b>	IonXpress
<b>Analysis Name</b>	Auto_user_IONAS-421-DrEliopoulos-MFlab_190606_AE3R13-22_MF3R7-12_586
<b>Analysis Date</b>	June 7, 2019, 9:01 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	EJP2E
<b>BeadFind Args</b>	justBeadFind -args-json /opt/ion/config/args_P1.1.17_beadfind.json
<b>Analysis Args</b>	Analysis -args-json /opt/ion/config/args_P1.1.17_analysis.json
<b>Pre-BaseCaller</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 -phasing-residual-filter=2.0 -max-phasing-levels 2 -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 7, 2019, 11:04 a.m.
<b>Chef Instrument Name</b>	CHEF00509
<b>Chef Operation Mode</b>	Customer Mode
<b>Sample Position</b>	1
<b>Tip Rack Barcode</b>	462170088
<b>Chip Type 1</b>	P1v3
<b>Chip Type 2</b>	P1v3
<b>Chip Expiration 1</b>	Jul2019
<b>Chip Expiration 2</b>	Mar2019
<b>Templating Kit Type</b>	Ion PI Hi-Q Chef Kit
<b>Reagent Expiration</b>	160831
<b>Reagent Lot Number</b>	1703710
<b>Reagent Part Number</b>	A27284C
<b>Solution Lot Number</b>	1671271
<b>Solution Part Number</b>	A27282C
<b>Solution Expiration</b>	160131
<b>Templating Protocol Executed</b>	(use instrument default)
<b>Templating Protocol Planned</b>	(use instrument default)
<b>Chef Script Version</b>	609
<b>Chef Package Version</b>	IC.5.6.0
<b>Start Time</b>	June 6, 2019, 3:25 p.m.
<b>Completion Time</b>	June 7, 2019, 11:03 a.m.

## Software Version

<b>Torrent_Suite</b>	5.6.0
<b>host</b>	FW7DQV1
<b>ion-analysis</b>	5.6.8-1
<b>ion-chefupdates</b>	5.6.0
<b>ion-dbreports</b>	5.6.37-1
<b>ion-gpu</b>	5.6.0-1
<b>ion-pipeline</b>	5.6.12-1
<b>ion-plugins</b>	5.6.16-1
<b>ion-protonupdates</b>	5.6.0
<b>ion-s5updates</b>	5.6.0
<b>ion-torrentpy</b>	5.6.8-1
<b>ion-torrentr</b>	5.6.8-1
<b>Script</b>	2.1.42
<b>LiveView</b>	2334
<b>DataCollect</b>	3536
<b>OIA</b>	5603
<b>OS</b>	33
<b>Graphics</b>	89
<b>Ion_Chef</b>	IC.5.6.0