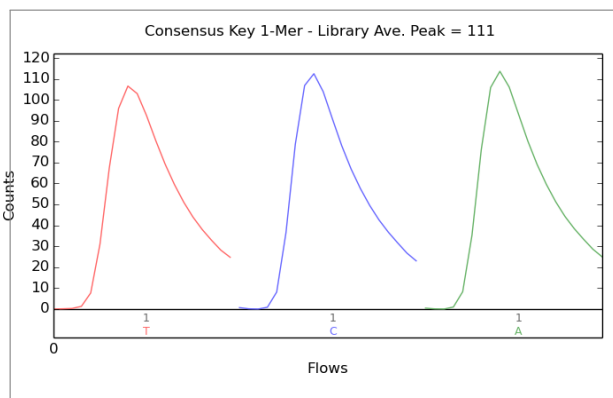
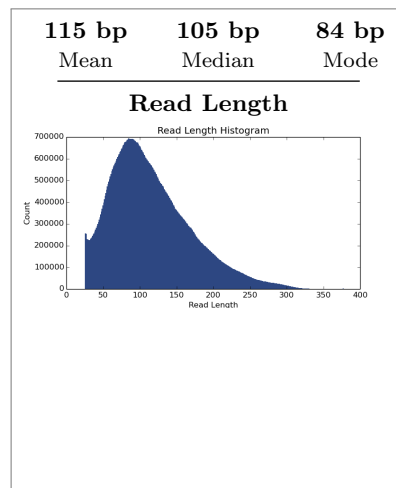
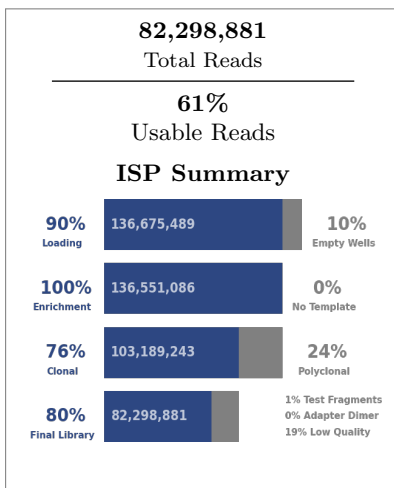
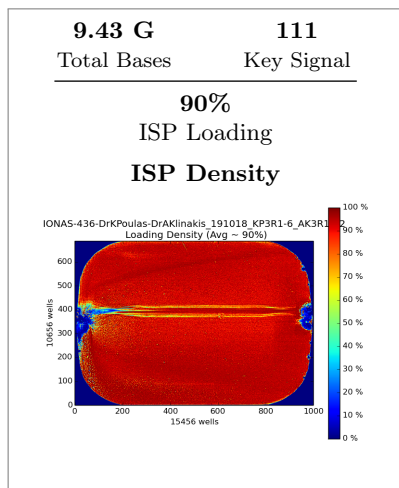


Run Summary




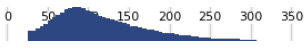
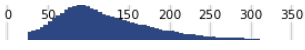
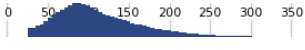
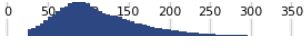
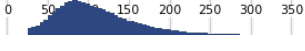

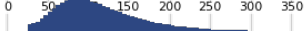
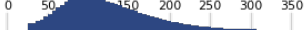


Addressable Wells		151,539,288
With ISPs	136,675,489	90.2%
Live	136,551,086	99.9%
Test Fragment	827,395	00.6%
Library	135,723,691	99.4%



Library ISPs		135,723,691
Filtered: Polyclonal	33,361,843	24.6%
Filtered: Low Quality	19,596,959	14.4%
Filtered: Adapter Dimer	466,008	00.3%
Final Library ISPs	82,298,881	60.6%

Notes: UoPatras-DrKPoulos-EKkonstantinou_6-3RNAs.IIBEA-DrAKlinakis-NSimigdala_12-3RNAs

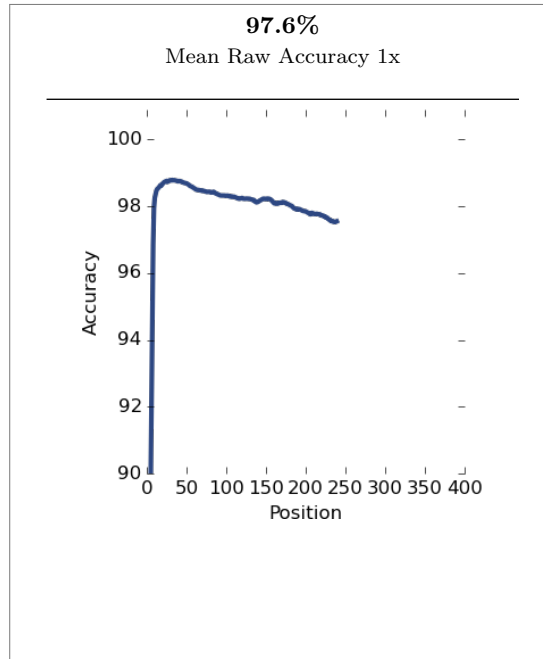
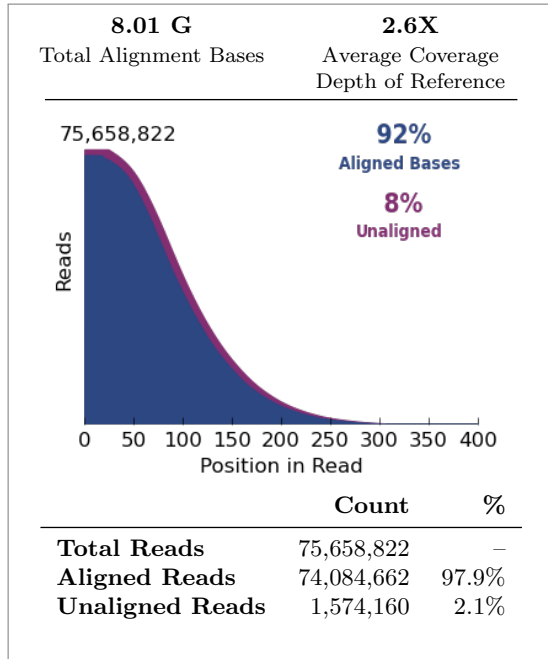
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length	Read Length Histogram
No barcode	none	722,708,968	560,579,471	6,389,474	113 bp	
IonXpress_001	AK3R1_A1	488,154,004	386,152,301	4,077,848	119 bp	
IonXpress_002	AK3R2_A2	304,067,000	242,930,425	2,609,554	116 bp	
IonXpress_003	AK3R3_A3	267,980,551	216,016,658	2,486,716	107 bp	
IonXpress_004	AK3R4_B1	515,108,712	412,245,208	4,591,021	112 bp	
IonXpress_005	AK3R5_B2	594,861,700	482,089,128	5,529,182	107 bp	
IonXpress_006	AK3R6_B3	941,660,526	761,522,664	8,225,477	114 bp	
IonXpress_007	AK3R7_C1	445,437,710	357,985,722	3,734,395	119 bp	

Run Report for Auto_user_IONAS-436-DrKPoulos-DrAKlinakis_191018_KP3R1-6_AK3R1-12.601

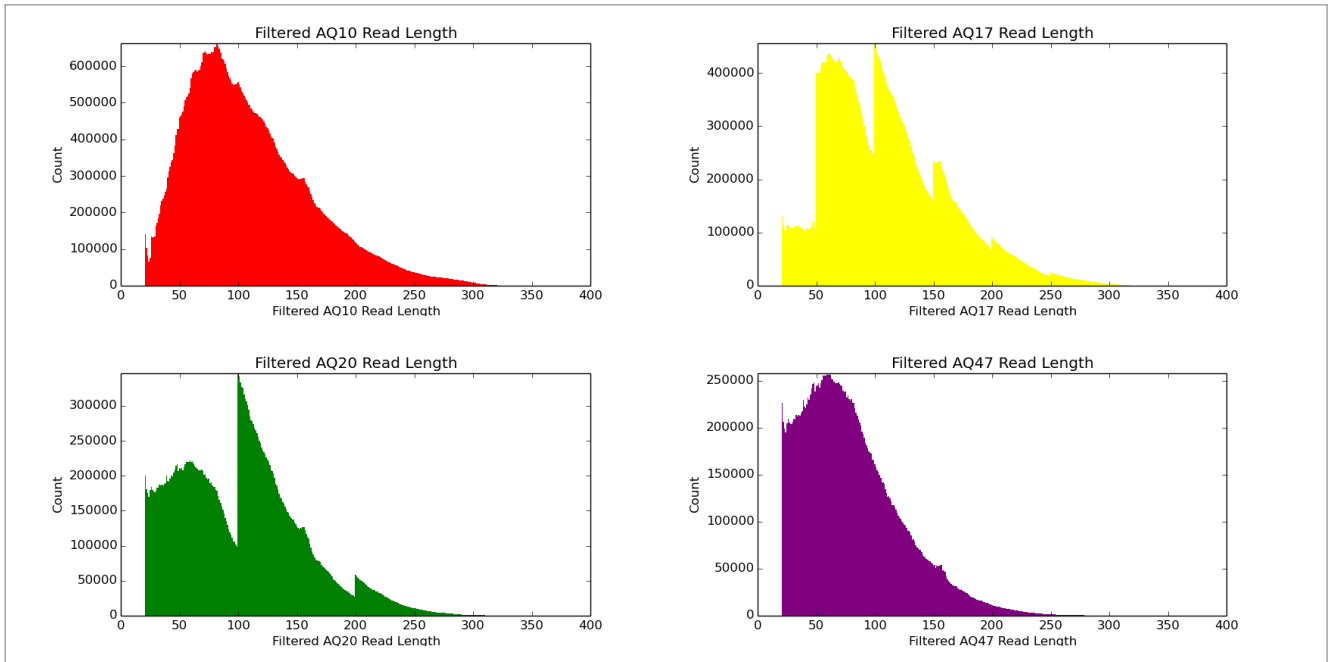
IonXpress.008	AK3R8_C2	640,449,969	512,496,419	5,165,760	123 bp	
IonXpress.009	AK3R9_C3	461,907,607	371,805,283	4,003,183	115 bp	
IonXpress.010	AK3R10_D1	368,901,745	295,667,134	3,087,031	119 bp	
IonXpress.011	AK3R11_D2	453,992,357	367,497,517	4,074,734	111 bp	
IonXpress.012	AK3R12_D3	135,104,862	110,300,971	1,208,688	111 bp	
IonXpress.041	KP3R1_Ctrl1	598,405,543	485,208,804	5,518,141	108 bp	
IonXpress.042	KP3R2_Ctrl2	463,319,743	375,276,629	3,784,247	122 bp	
IonXpress.043	KP3R3_Ctrl3	511,424,835	410,784,189	4,584,621	111 bp	
IonXpress.044	KP3R4_WM1	670,237,617	542,120,802	5,561,747	120 bp	
IonXpress.045	KP3R5_WM2	515,246,922	417,813,785	4,460,633	115 bp	
IonXpress.046	KP3R6_WM3	335,229,316	271,096,905	2,955,844	113 bp	

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	572,354	91	
TF_1	209,245	90	

Alignment Summary *(aligned to Homo sapiens)*



	Alignment Quality		
	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	5.24 G	3.2 G	1.97 G
Mean Length [bp]	110	102	80
Longest Alignment [bp]	355	351	340
Mean Coverage Depth	1.7	1.0	0.6



Analysis Details

Run Name	R_2019.10.18_15.11.43_user_IONAS-436-DrKPoulas-DrAKlinakis_191018_KP3R1-6_AK3R1-12
Run Date	Oct. 18, 2019, 3:13 p.m.
Run Flows	520
Projects	MFLab_3RNAseq , PHLab_3RNAseq
Sample	AK3R8_C2, AK3R10_D1, AK3R3_A3, AK3R5_B2, AK3R9_C3, KP3R4_WM1, KP3R2_Ctrl2, AK3R11_D2, KP3R1_Ctrl1, KP3R5_WM2, AK3R2_A2, AK3R7_C1, AK3R4_B1, AK3R6_B3, AK3R1_A1, KP3R6_WM3, AK3R12_D3, KP3R3_Ctrl3
Reference	
Instrument	IONAS
Operation Mode	Service mode
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip Barcode	
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Chip Lot Number	QVS135
Chip Wafer	10
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-436-DrKPoulas-DrAKlinakis_191018_KP3R1-6_AK3R1-12_601
Analysis Date	Oct. 19, 2019, 3:06 a.m.
Analysis Flows	0
runID	LQBF0
BeadFind Args	justBeadFind -args-json /opt/ion/config/args_P1.1.17_beadfind.json
Analysis Args	Analysis -args-json /opt/ion/config/args_P1.1.17_analysis.json
Pre-BaseCaller	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 -max-phasing-levels 2 -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	5.6.0
host	FW7DQV1
ion-analysis	5.6.8-1
ion-chefupdates	5.6.0
ion-dbreports	5.6.37-1
ion-gpu	5.6.0-1
ion-pipeline	5.6.12-1
ion-plugins	5.6.16-1
ion-protonupdates	5.6.0
ion-s5updates	5.6.0
ion-torrentpy	5.6.8-1
ion-torrentr	5.6.8-1
Script	2.1.42
LiveView	2334
DataCollect	3536
OIA	5603
OS	33
Graphics	89