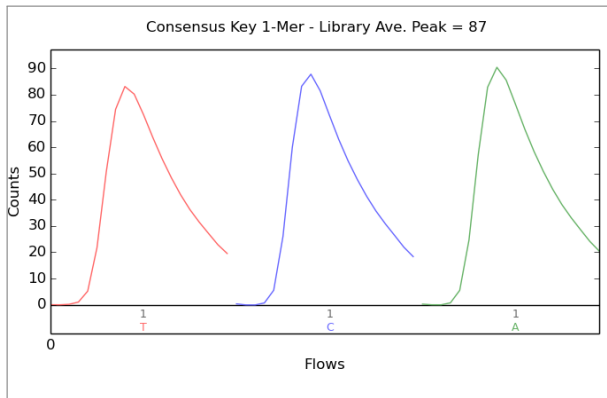
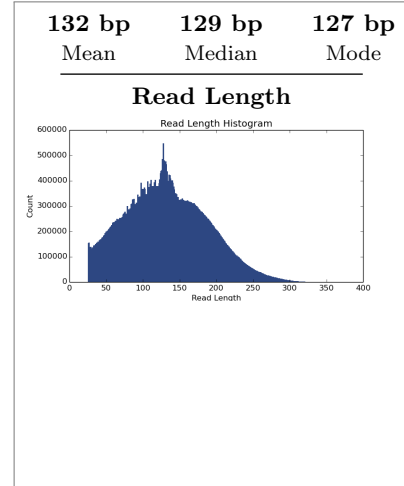
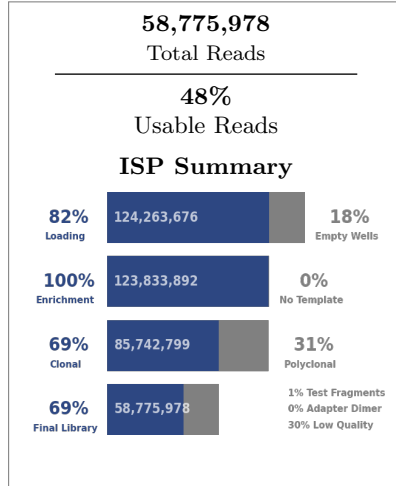
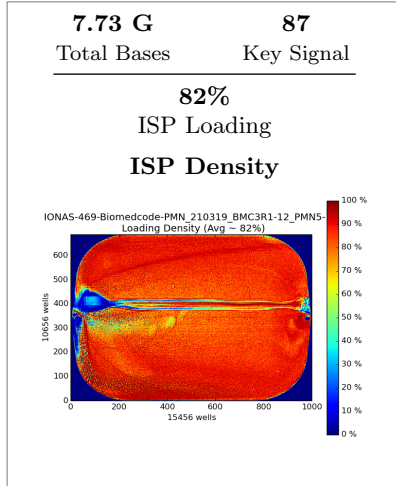


## Run Summary



Addressable Wells		151,539,288
With ISPs	124,263,676	82.0%
Live	123,833,892	99.7%
Test Fragment	1,197,705	01.0%
Library	122,636,187	99.0%


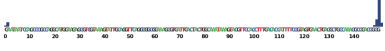
Library ISPs		122,636,187
Filtered: Polyclonal	38,091,093	31.1%
Filtered: Low Quality	25,590,044	20.9%
Filtered: Adapter Dimer	179,072	00.1%
<b>Final Library ISPs</b>	<b>58,775,978</b>	<b>47.9%</b>

Notes: Biomedcode 12-3RNAseq\_PMN-METAXA-3repeat

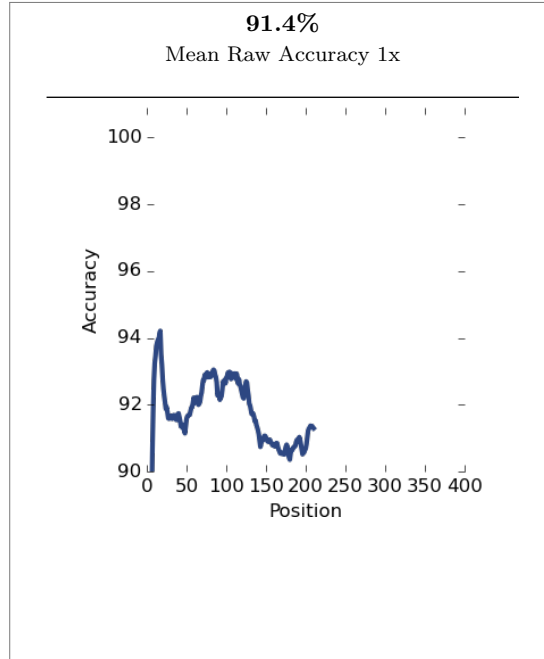
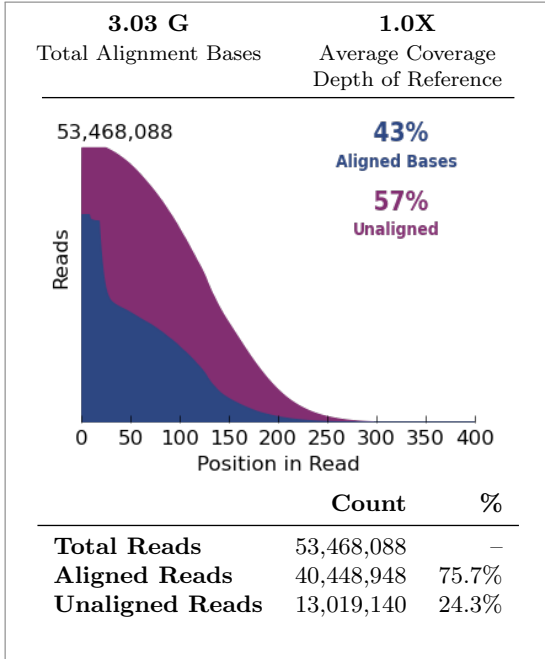
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length	Read Length Histogram
No barcode	none	666,241,121	509,078,727	5,234,746	127 bp	
IonXpress_009	none	111,341,963	100,434,438	997,335	111 bp	
IonXpress_010	none	25,798,523	23,256,759	222,233	116 bp	
IonXpress_011	PMN5	186,358,781	167,136,703	1,619,162	115 bp	
IonXpress_012	none	33,313,045	29,655,843	296,096	112 bp	
IonXpress_013	none	151,740,824	135,694,471	1,296,048	117 bp	
IonXpress_014	none	62,914,889	56,343,427	552,395	113 bp	
IonXpress_015	PMN9	140,730,439	126,605,163	1,257,352	111 bp	

Run Report for Auto\_user\_IONAS-469-Biomedcode-PMN\_210319\_BMC3R1-12\_PMN5-10\_682

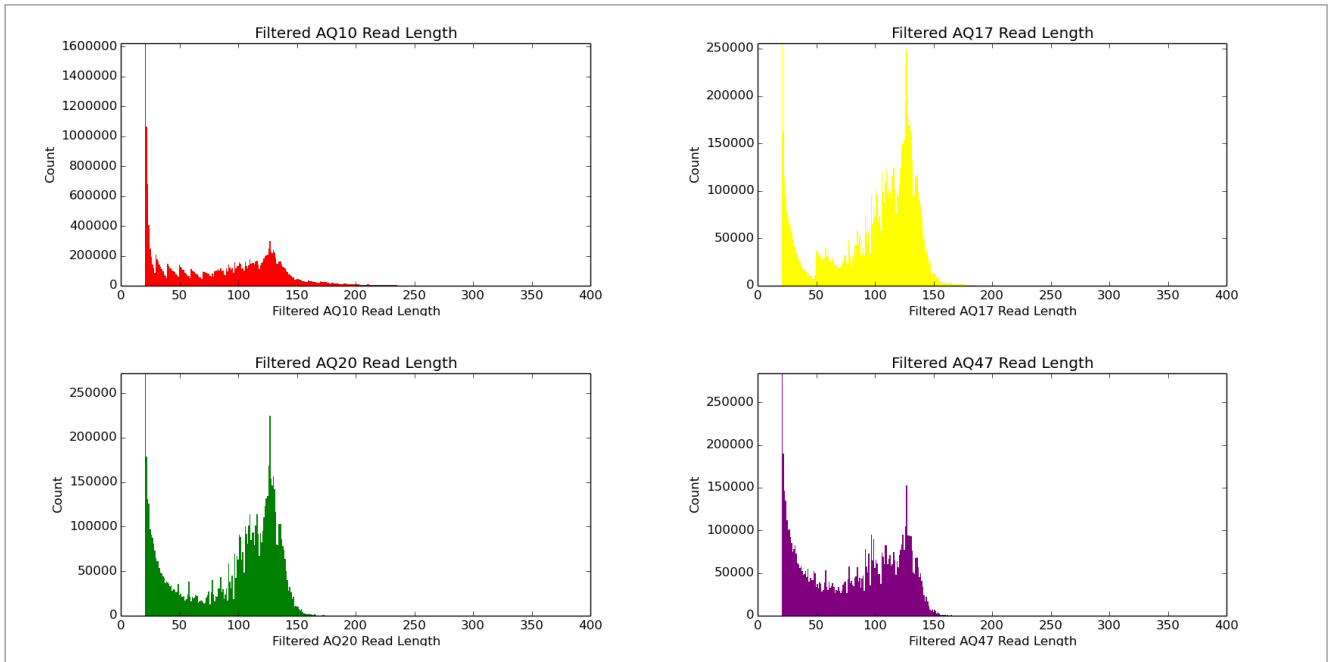
IonXpress_016	PMN10	116,047,498	103,517,689	996,606	116 bp	
IonXpress_037	BMC3R1_M9wt	144,449,445	429,113,280	4,089,262	133 bp	
IonXpress_038	BMC3R2_M10wt	778,020,865	615,703,333	5,624,889	138 bp	
IonXpress_039	BMC3R3_M16wt	379,563,043	299,563,569	2,716,993	139 bp	
IonXpress_040	BMC3R4_M17wt	483,014,295	379,193,936	3,673,449	131 bp	
IonXpress_041	BMC3R5_M12wt	686,261,284	537,674,143	4,909,942	139 bp	
IonXpress_042	BMC3R6_M13wt	115,977,863	323,822,266	3,068,092	135 bp	
IonXpress_043	BMC3R7_M14wt	810,318,645	268,109,991	2,550,713	133 bp	
IonXpress_044	BMC3R8_M15wt	711,666,980	588,427,778	5,208,419	142 bp	
IonXpress_045	BMC3R9_M20wt	173,253,739	139,295,982	1,335,806	129 bp	
IonXpress_046	BMC3R10_M21wt	691,142,652	451,610,414	4,491,709	126 bp	
IonXpress_047	BMC3R11_M22wt	688,644,965	504,692,340	4,881,849	130 bp	
IonXpress_048	BMC3R12_M23wt	485,110,714	378,117,108	3,679,738	132 bp	

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>858,986</b>	<b>95</b>	
<b>TF_1</b>	<b>297,058</b>	<b>87</b>	

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



Alignment Quality			
	AQ17	AQ20	Perfect
<b>Total Number of Bases [Mbp]</b>	816 M	714 M	605 M
<b>Mean Length [bp]</b>	97	91	80
<b>Longest Alignment [bp]</b>	321	279	273
<b>Mean Coverage Depth</b>	0.3	0.2	0.2



## Analysis Details

<b>Run Name</b>	R.2021_03_19_13_52_49_user_IONAS-469-Biomedcode-PMN_210319_BMC3R1-12_PMN5-10
<b>Run Date</b>	March 19, 2021, 1:54 p.m.
<b>Run Flows</b>	520
<b>Projects</b>	PMN_Ampl_Custom-SolidTumors , Biomedcode_3RNAseq
<b>Samples</b>	BMC3R11_M22tg2c, PMN5, BMC3R12_M23tg2d, BMC3R7_M14tg1c, PMN9, BMC3R4_M17wt2b, BMC3R8_M15tg1d, BMC3R3_M16wt2a, BMC3R2_M10wt1b, BMC3R6_M13tg1b, BMC3R9_M20tg2a, BMC3R1_M9wt1a, BMC3R10_M21tg2b, BMC3R5_M12tg1a, PMN10
<b>Reference</b>	
<b>Instrument</b>	IONAS
<b>Operation Mode</b>	Customer mode
<b>Flow Order</b>	TACGTACGTCTGAGCATCGATCGATGTACAGC
<b>Library Key</b>	TCAG
<b>TF Key</b>	ATCG
<b>Chip Barcode</b>	
<b>Chip Check</b>	Passed
<b>Chip Type</b>	P1.1.17
<b>Chip Data</b>	tiled
<b>Chip Lot Number</b>	Q0XG98
<b>Chip Wafer</b>	21
<b>Barcode Set</b>	IonXpress
<b>Analysis Name</b>	Auto_user_IONAS-469-Biomedcode-PMN_210319_BMC3R1-12_PMN5-10_682
<b>Analysis Date</b>	March 19, 2021, 9:54 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	I3LSA
<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 -trim-qual-cutoff 15 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -max-phasing-levels 2
<b>Calibration Args</b>	Calibration
<b>BaseCaller Args</b>	BaseCaller -trim-qual-cutoff 15 -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

Ion Chef was not used for this run |

## Software Version

<b>Torrent_Suite</b>	5.12.1
<b>host</b>	FW7DQV1
<b>ion-analysis</b>	5.12.27-1
<b>ion-dbreports</b>	5.12.60-1
<b>ion-gpu</b>	5.12.1-1
<b>ion-pipeline</b>	5.12.17-1
<b>ion-torrentpy</b>	5.12.21-1
<b>ion-torrentr</b>	5.12.23-1
<b>Script</b>	2.1.46
<b>LiveView</b>	2514
<b>DataCollect</b>	3738
<b>OIA</b>	51206
<b>OS</b>	35
<b>Graphics</b>	134