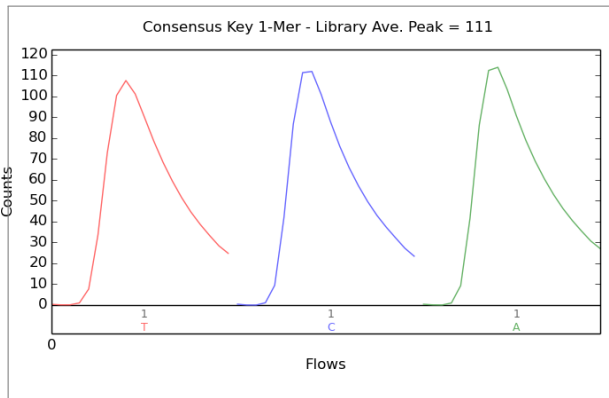
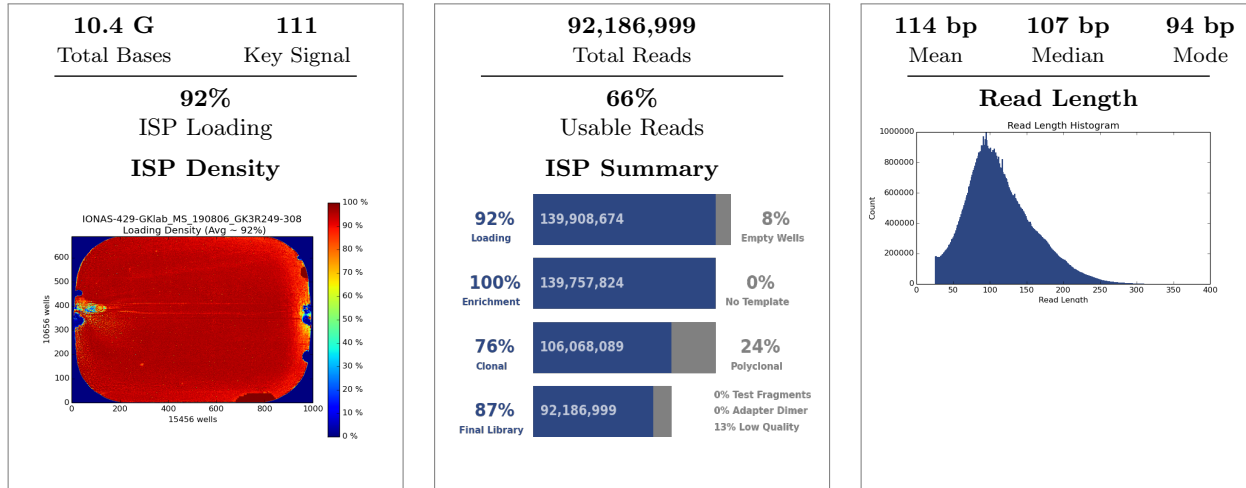


Run Summary



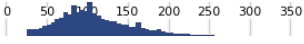
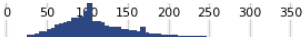
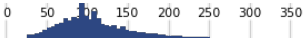








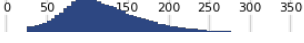
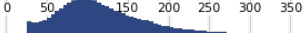
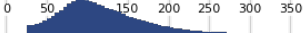








Addressable Wells		151,539,288
With ISPs	139,908,674	92.3%
Live	139,757,824	99.9%
Test Fragment	470,230	00.3%
Library	139,287,594	99.7%

Library ISPs		139,287,594
Filtered: Polyclonal	33,689,735	24.2%
Filtered: Low Quality	13,093,849	09.4%
Filtered: Adapter Dimer	317,011	00.2%
Final Library ISPs	92,186,999	66.2%







Notes: GKLab_MSakkou.180f24repeatSeq.6of36new3RNAs



Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length	Read Length Histogram
No barcode	none	667,503,474	516,530,498	5,768,770	115 bp	
IonXpress_001	GK3R249_wt1- endo	95,309,085	75,623,220	868,247	109 bp	
IonXpress_003	GK3R251_wt2- endo	98,014,911	78,236,264	864,045	113 bp	
IonXpress_005	GK3R253_wt3- endo	113,301,878	90,093,880	1,010,496	112 bp	
IonXpress_007	none	73,395,827	58,970,987	675,430	108 bp	
IonXpress_008	GK3R256_DAREB3- fibro	113,991,087	306,559,535	3,488,555	110 bp	
IonXpress_010	GK3R258_DAREB3- fibro	110,252,279	119,440,761	1,349,165	111 bp	

Run Report for Auto_user_IONAS-429-GKlab_MS_190806_GK3R249-308_594

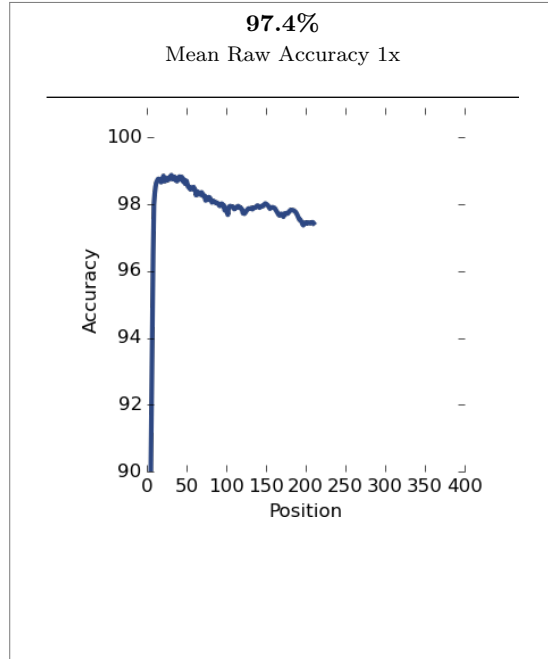
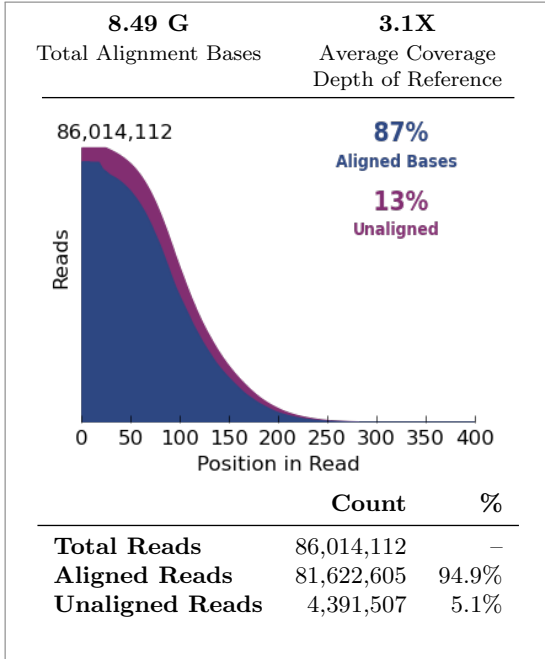
IonXpress_011	GK3R259_DARE33665,295 endo	71,696,556	826,781	108 bp		
IonXpress_012	GK3R260_DARE33618,299 fibro	60,321,374	681,275	108 bp		
IonXpress_013	GK3R261_DARE33625,205 endo	84,388,272	972,476	107 bp		
IonXpress_014	none	26,916,834	23,208,025	230,913	116 bp	
IonXpress_015	GK3R263_DARE33673,485 endo	135,766,689	1,546,220	103 bp		
IonXpress_016	GK3R264_DARE336327,342 fibro	152,515,659	1,769,531	107 bp		
IonXpress_017	GK3R265_DARE336371,934 endo	236,294,663	2,760,315	107 bp		
IonXpress_018	GK3R266_DARE3362439,795 fibro	236,450,874	2,769,166	109 bp		
IonXpress_019	GK3R267_DARE3361136,072 endo	210,083,456	2,334,619	112 bp		
IonXpress_020	GK3R268_DARE336271947,582 fibro	258,361,172	2,769,539	118 bp		
IonXpress_021	GK3R269_DARE3361241,766 endo	264,237,833	3,051,062	108 bp		
IonXpress_022	GK3R270_DARE3361258,178 fibro	108,599,545	1,159,759	117 bp		
IonXpress_023	GK3R271_DARE3361450,727 endo	544,571,666	6,107,531	112 bp		
IonXpress_024	GK3R272_DARE33621646,110 endo	305,901,519	3,397,986	112 bp		
IonXpress_025	GK3R303_Tg1- 1,156,729,180 12w-SP	919,018,321	9,810,279	117 bp		
IonXpress_026	GK3R304_Tg1- 470,157,471 12w-DP	373,866,337	4,170,094	112 bp		
IonXpress_027	GK3R305_Tg2- 644,427,564 12w-SP	511,219,367	5,458,603	118 bp		
IonXpress_028	GK3R306_Tg2- 785,396,105 12w-DP	631,002,644	6,893,799	113 bp		
IonXpress_029	GK3R307_Tg3- 862,955,208 12w-SP	681,419,253	7,393,890	116 bp		
IonXpress_030	GK3R308_Tg3- 436,494,134 12w-DP	342,418,633	3,635,503	120 bp		
IonXpress_033	none	94,444,714	77,225,483	894,580	105 bp	
IonXpress_034	none	135,066,704	109,172,726	1,228,656	109 bp	

Run Report for Auto_user_IONAS-429-GKlab_MS_190806_GK3R249-308_594

IonXpress.042	none	115,125,193	95,194,833	1,147,949	100 bp	
IonXpress.043	none	184,523,039	151,644,727	1,783,319	103 bp	
IonXpress.044	none	155,173,365	126,930,605	1,263,224	122 bp	
IonXpress.045	none	123,630,021	100,966,845	1,003,347	123 bp	
IonXpress.046	none	211,681,298	171,908,961	1,739,845	121 bp	
IonXpress.047	none	103,124,958	84,604,481	957,913	107 bp	

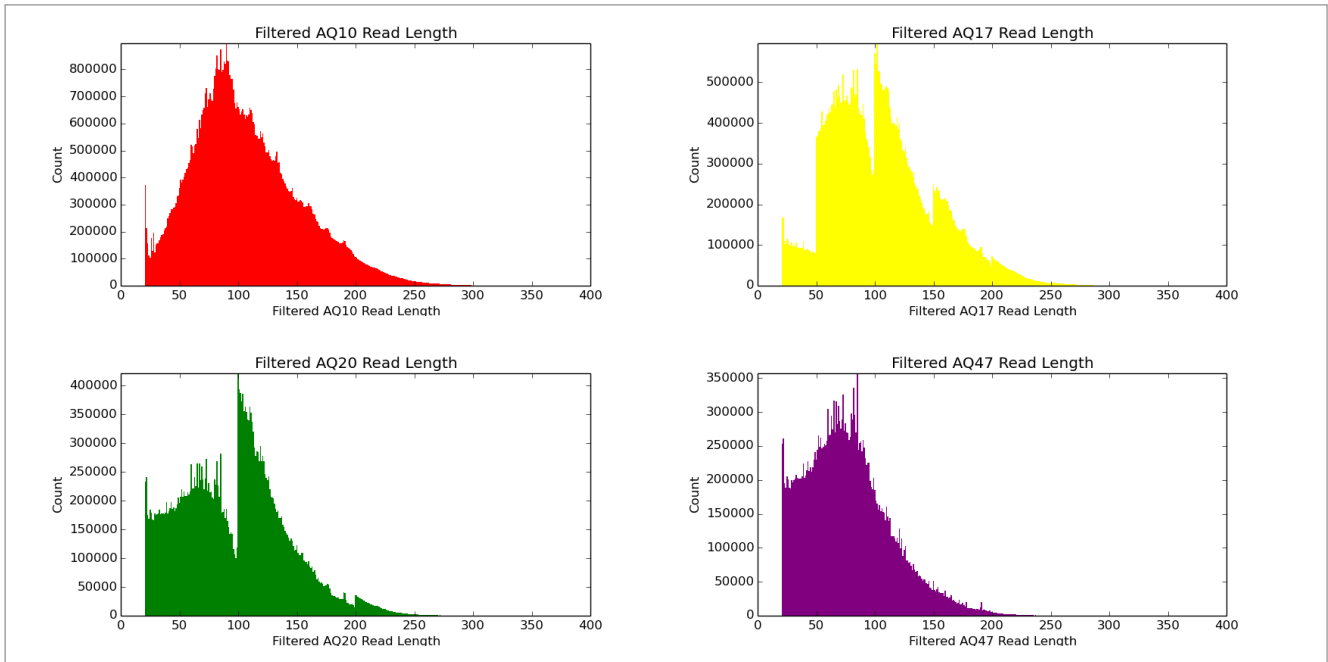
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	219,884	92	
TF_1	216,583	89	

Alignment Summary *(aligned to Mus musculus 10)*



	Alignment Quality		
	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	5.28 G	3.05 G	1.97 G
Mean Length [bp]	105	96	77
Longest Alignment [bp]	340	333	313
Mean Coverage Depth	1.9	1.1	0.7

Run Report for Auto_user_IONAS-429-GKlab_MS_190806_GK3R249-308_594



Analysis Details

Run Name	R_2019_08_06_16_13.00_user_IONAS-429-GKlab_MS_190806_GK3R249-308
Run Date	Aug. 6, 2019, 4:14 p.m.
Run Flows	520
Projects	GKLab_3RNAseq
Sample	GK3R268_DAREdd1-fibro, GK3R304_Tg1-12w-DP, GK3R264_DARECad2-fibro, GK3R249_wt1-endo, GK3R260_DARE3-fibro, GK3R253_wt3-endo, GK3R269_DAREdd2-endo, GK3R305_Tg2-12w-SP, GK3R267_DAREdd1-endo, GK3R265_DARECad3-endo, GK3R251_wt2-endo, GK3R266_DARECad3-fibro, GK3R271_DAREdd3-endo, GK3R261_DARECad1-endo, GK3R270_DAREdd2-fibro, GK3R272_DAREdd3_fibro, GK3R256_DARE1-fibro, GK3R306_Tg2-12w-DP, GK3R307_Tg3-12w-SP, GK3R303_Tg1-12w-SP, GK3R263_DARECad2-endo, GK3R258_DARE2-fibro, GK3R308_Tg3-12w-DP, GK3R259_DARE3-endo
Reference	IONAS
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	QPW140
Chip Wafer	25
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-429-GKlab_MS_190806_GK3R249-308_594
Analysis Date	Aug. 7, 2019, 4:28 a.m.
Analysis Flows	0
runID	V3T51
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