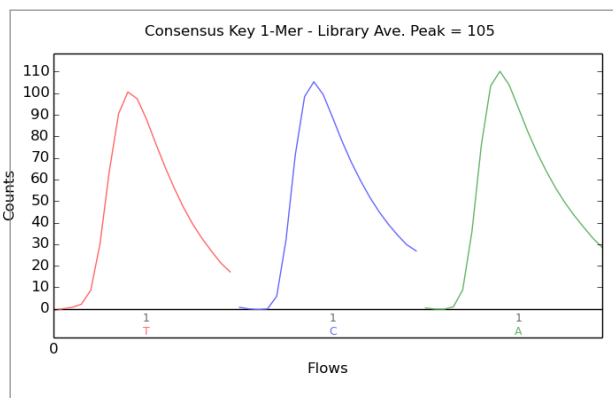
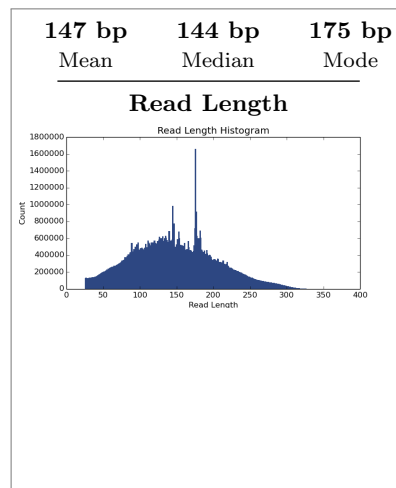
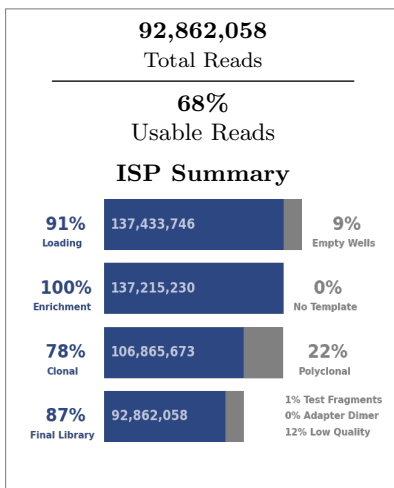
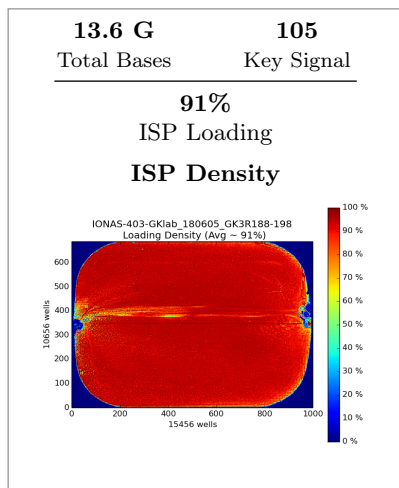


Run Summary







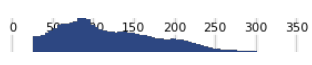







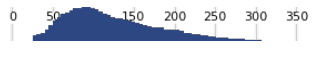

Addressable Wells		151,539,288
With ISPs	137,433,746	90.7%
Live	137,215,230	99.8%
Test Fragment	673,918	00.5%
Library	136,541,312	99.5%

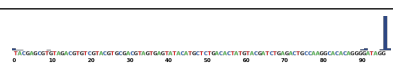
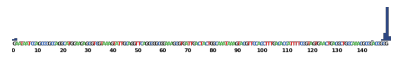
Library ISPs		136,541,312
Filtered: Polyclonal	30,349,557	22.2%
Filtered: Low Quality	12,870,884	09.4%
Filtered: Adapter Dimer	458,813	00.3%
Final Library ISPs	92,862,058	68.0%

Notes: GKlab-FaniRoumelioti-11-3RNAseq

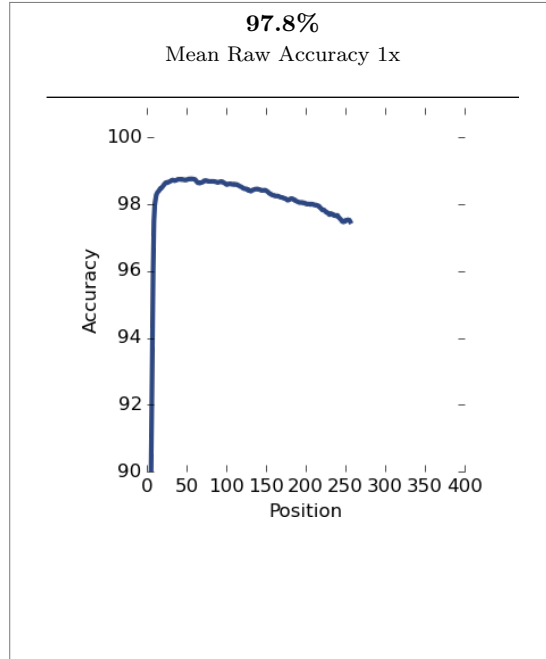
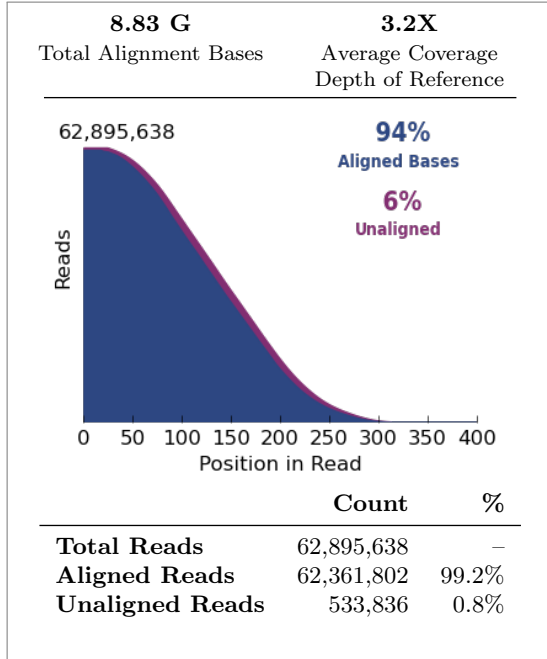
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length	Read Length Histogram
No barcode	none	4,196,726,291	3,707,498,874	29,510,038	142 bp	
IonXpress_019	GK3R188-Wt1	267,954,299	217,746,268	1,841,923	145 bp	
IonXpress_020	GK3R189-Wt2	816,305,317	655,913,288	5,287,804	154 bp	
IonXpress_021	GK3R190-C1	784,121,797	627,440,493	5,022,295	156 bp	
IonXpress_022	GK3R191-C2	778,476,841	621,644,050	5,098,218	152 bp	
IonXpress_023	GK3R192-C3	876,108,562	710,421,711	6,231,647	140 bp	

Run Report for Auto_user_IONAS-403-GKlab_180605_GK3R188-198_568

IonXpress_024	GK3R193-Tg197-1	920,907,925	746,718,990	6,337,949	145 bp	
IonXpress_025	GK3R194-Tg197-2	936,271,197	762,769,662	6,923,642	135 bp	
IonXpress_026	GK3R195-Tg197-3	1,067,623,912	858,261,344	7,029,048	151 bp	
IonXpress_027	GK3R196-Tg197-C1	969,611,771	779,660,798	6,158,257	157 bp	
IonXpress_028	GK3R197-Tg197-C2	195,995,603	161,619,886	1,642,910	119 bp	
IonXpress_029	GK3R198-Tg197-C3	682,010,546	541,544,997	4,487,739	151 bp	
IonXpress_038	none	16,174,857	13,210,756	109,529	147 bp	
IonXpress_040	none	529,892,163	429,030,440	3,425,877	154 bp	
IonXpress_042	none	305,089,391	247,989,791	1,890,309	161 bp	
IonXpress_044	none	17,885,995	14,785,220	127,429	140 bp	
IonXpress_045	none	53,480,811	43,283,658	340,346	157 bp	
IonXpress_046	none	10,476,303	8,556,263	70,631	148 bp	
IonXpress_047	none	113,027,666	91,256,013	700,374	161 bp	
IonXpress_048	none	20,792,235	17,032,770	169,711	122 bp	

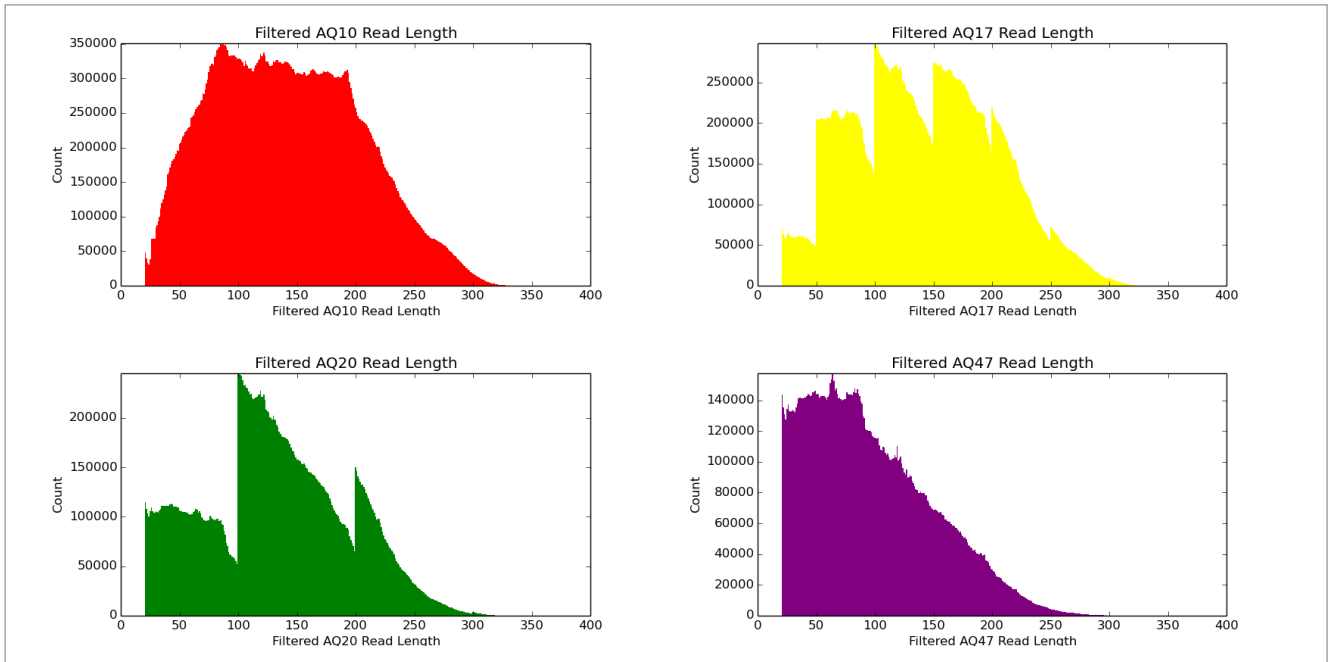
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	351,419	88	
TF_1	260,595	90	

Alignment Summary *(aligned to Mus musculus 10)*



Alignment Quality			
	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	6.34 G	3.86 G	1.86 G
Mean Length [bp]	142	132	97
Longest Alignment [bp]	363	350	335
Mean Coverage Depth	2.3	1.4	0.7

Run Report for Auto_user_IONAS-403-GKlab_180605_GK3R188-198_568



Analysis Details

Run Name	R_2018.06.05_13.44.28_user_IONAS-403-GKlab_180605_GK3R188-198
Run Date	June 5, 2018, 1:45 p.m.
Run Flows	520
Projects	GKLab_3RNAseq
Sample	GK3R189-Wt2, GK3R196-Tg197-C1, GK3R197-Tg197-C2, GK3R191-C2, GK3R198-Tg197-C3, GK3R190-C1, GK3R192-C3, GK3R194-Tg197-2, GK3R195-Tg197-3, GK3R193-Tg197-1, GK3R188-Wt1
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	QPG408
Chip Wafer	11
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-403-GKlab_180605_GK3R188-198_568
Analysis Date	June 5, 2018, 10:03 p.m.
Analysis Flows	0
runID	9UH9Z
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