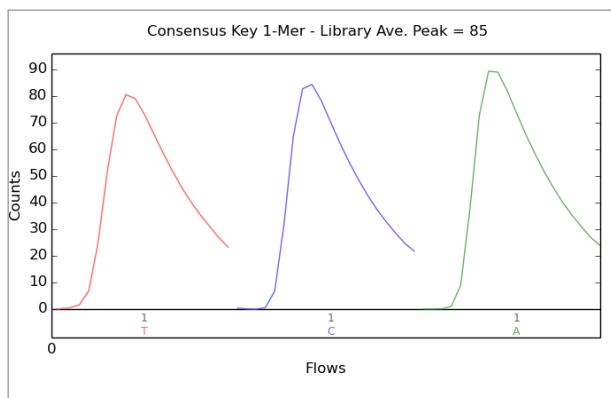
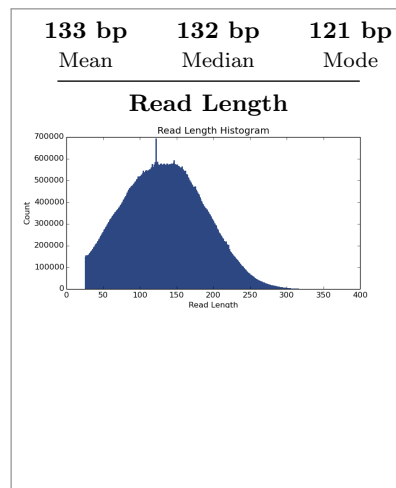
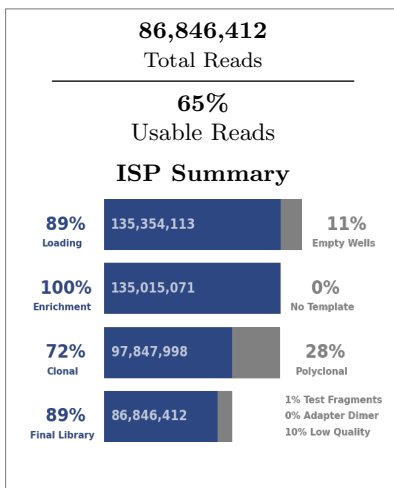
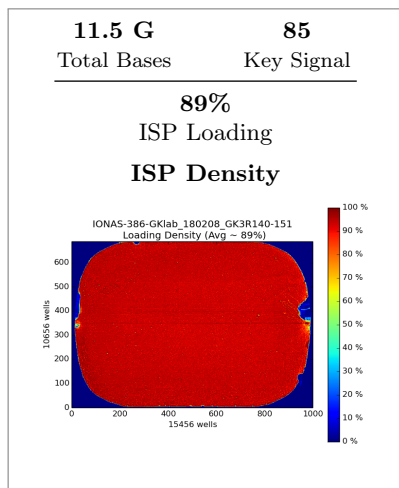


## Run Summary







<b>Addressable Wells</b>	<b>151,539,288</b>	
With ISPs	135,354,113	89.3%
Live	135,015,071	99.7%
Test Fragment	791,942	00.6%
Library	134,223,129	99.4%
<b>Library ISPs</b>	<b>134,223,129</b>	
Filtered: Polyclonal	37,167,073	27.7%
Filtered: Low Quality	10,154,457	07.6%
Filtered: Adapter Dimer	55,187	00.0%
<b>Final Library ISPs</b>	<b>86,846,412</b>	<b>64.7%</b>

Notes: GKlab.VKoliaraki-12-3RNaseq

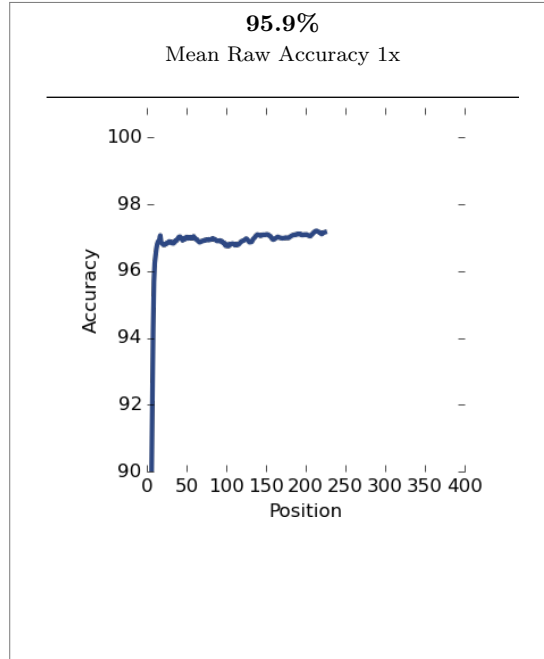
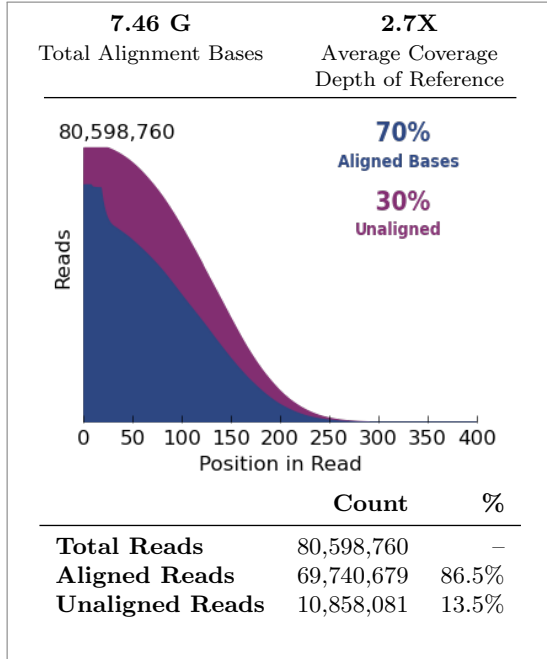
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length	Read Length Histogram
No barcode	none	747,466,113	572,874,297	5,620,086	132 bp	
IonXpress_001	none	51,560,569	42,997,755	370,459	139 bp	
IonXpress_003	none	46,590,815	41,728,649	349,018	133 bp	
IonXpress_017	none	221,943,362	197,059,223	1,799,014	123 bp	
IonXpress_025	GK3R140-MU1	665,746,265	507,748,736	5,143,710	129 bp	
IonXpress_026	GK3R141-MU2	495,231,646	380,320,999	3,747,219	132 bp	
IonXpress_027	GK3R142-MU3	708,481,923	550,785,044	5,342,463	132 bp	

Run Report for Auto\_user\_IONAS-386-GKlab\_180208\_GK3R140-151\_551

IonXpress_028	GK3R143-MI1	625,057,691	482,466,330	4,550,202	137 bp	
IonXpress_029	GK3R144-MI2	571,263,779	431,942,560	4,412,802	129 bp	
IonXpress_030	GK3R145-MI3	485,585,129	368,450,218	3,761,867	129 bp	
IonXpress_031	GK3R146-CU1	677,280,577	512,743,738	5,262,163	128 bp	
IonXpress_032	GK3R147-CU2	618,729,387	476,668,899	4,656,775	132 bp	
IonXpress_033	GK3R148-CU3	485,367,363	369,821,798	3,690,447	131 bp	
IonXpress_034	GK3R149-CI1	205,853,178	157,655,506	1,530,035	134 bp	
IonXpress_035	GK3R150-CI2	321,134,946	244,648,291	2,372,962	135 bp	
IonXpress_036	GK3R151-CI3	968,490,610	746,551,386	7,411,257	130 bp	
IonXpress_037	none	106,500,632	82,532,561	794,777	134 bp	
IonXpress_041	none	83,009,836	64,889,184	635,456	130 bp	
IonXpress_043	none	31,869,601	24,991,930	250,475	127 bp	
IonXpress_044	none	3,359,471,883	2,631,729,767	24,517,659	137 bp	

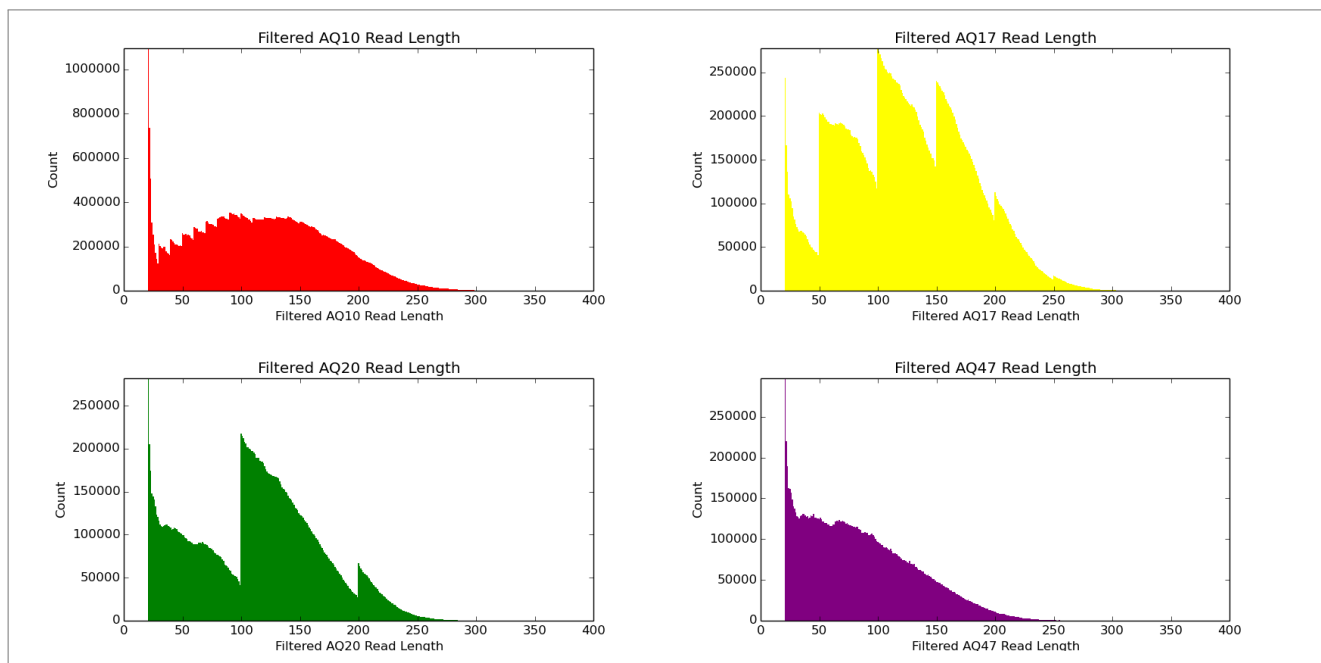
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>308,128</b>	<b>86</b>	
<b>TF_1</b>	<b>398,822</b>	<b>91</b>	

## Alignment Summary *(aligned to Mus musculus 10)*



	Alignment Quality		
	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	4.09 G	2.41 G	1.29 G
Mean Length [bp]	123	112	85
Longest Alignment [bp]	343	337	317
Mean Coverage Depth	1.5	0.9	0.5

# Run Report for Auto\_user\_IONAS-386-GKlab\_180208\_GK3R140-151\_551



## Analysis Details

<b>Run Name</b>	R_2018.02.08_12_27_27_user_IONAS-386-GKlab_180208_GK3R140-151
<b>Run Date</b>	Feb. 8, 2018, 12:28 p.m.
<b>Run Flows</b>	520
<b>Projects</b>	GKLab_3RNAseq
<b>Sample</b>	GK3R150-CI2, GK3R142-MU3, GK3R147-CU2, GK3R146-CU1, GK3R148-CU3, GK3R141-MU2, GK3R145-MI3, GK3R140-MU1, GK3R143-MI1, GK3R151-CI3, GK3R144-MI2, GK3R149-CI1
<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>	
<b>Chip Check</b>	Passed
<b>Chip Type</b>	P1.1.17
<b>Chip Data</b>	tiled
<b>Chip Lot Number</b>	QKG094
<b>Chip Wafer</b>	7
<b>Barcode Set</b>	IonXpress
<b>Analysis Name</b>	Auto_user_IONAS-386-GKlab_180208_GK3R140-151_551
<b>Analysis Date</b>	Feb. 8, 2018, 10:06 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	ZFA5X
<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

Ion Chef was not used for this run |

## 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