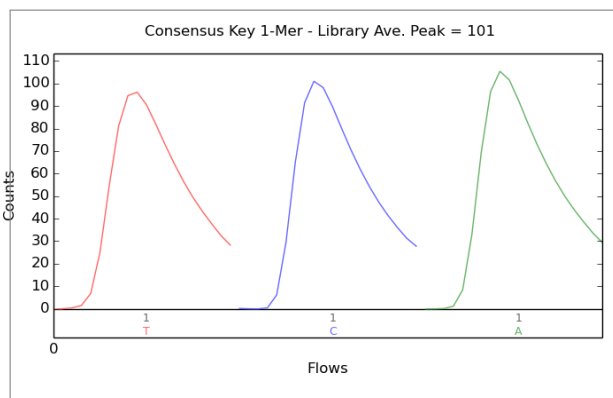
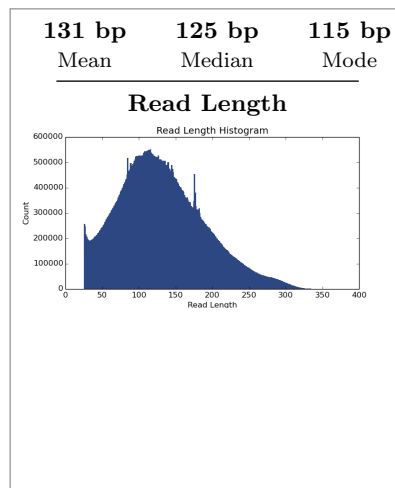
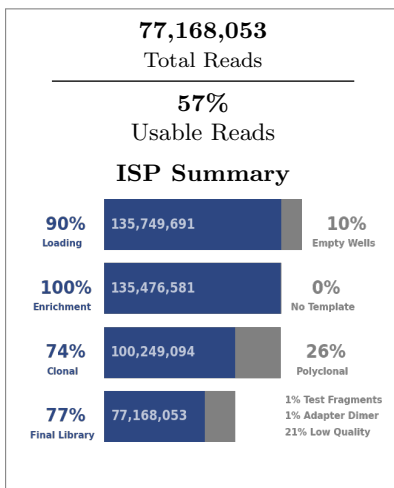
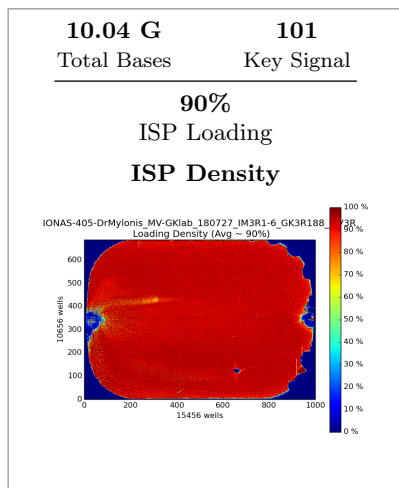


Run Summary



Addressable Wells	151,539,288	
With ISPs	135,749,691	89.6%
Live	135,476,581	99.8%
Test Fragment	611,249	00.5%
Library	134,865,332	99.5%
Library ISPs	134,865,332	
Filtered: Polyclonal	35,227,487	26.1%
Filtered: Low Quality	21,833,353	16.2%
Filtered: Adapter Dimer	636,439	00.5%
Final Library ISPs	77,168,053	57.2%

Notes: GKlab-repeatGK3R188_MVlab-MV3R2-5-8-11-14-17-20-23_DrMylonis-6samples-homo

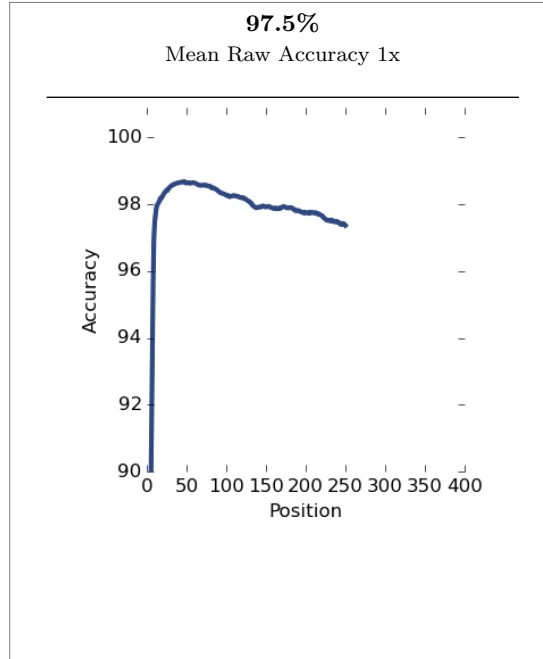
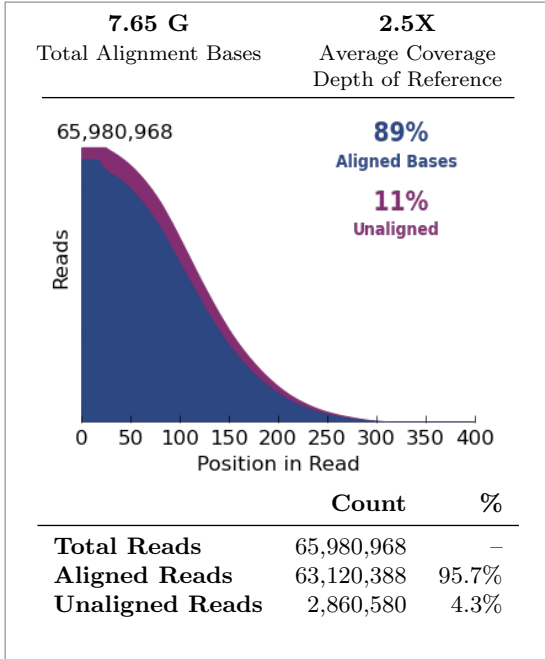
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length	Read Length Histogram
No barcode	none	1,406,297,231	1,132,165,487	10,727,317	131 bp	
IonXpress_001	IM3R1-wtNT1	955,869,470	766,757,558	7,502,472	127 bp	
IonXpress_002	IM3R2-wtNT2	1,052,435,624	846,326,413	7,961,697	132 bp	
IonXpress_003	IM3R3-siHIF1	525,668,552	422,865,356	4,057,467	129 bp	
IonXpress_004	IM3R4-siHIF2	991,577,817	791,638,870	7,771,537	127 bp	
IonXpress_005	IM3R5-siNPM1	635,551,588	507,924,395	4,891,337	129 bp	

Run Report for IONAS-405-DrMylonis_MV-GKlab_180727_IM-GK-MV3R_hg19-mm10

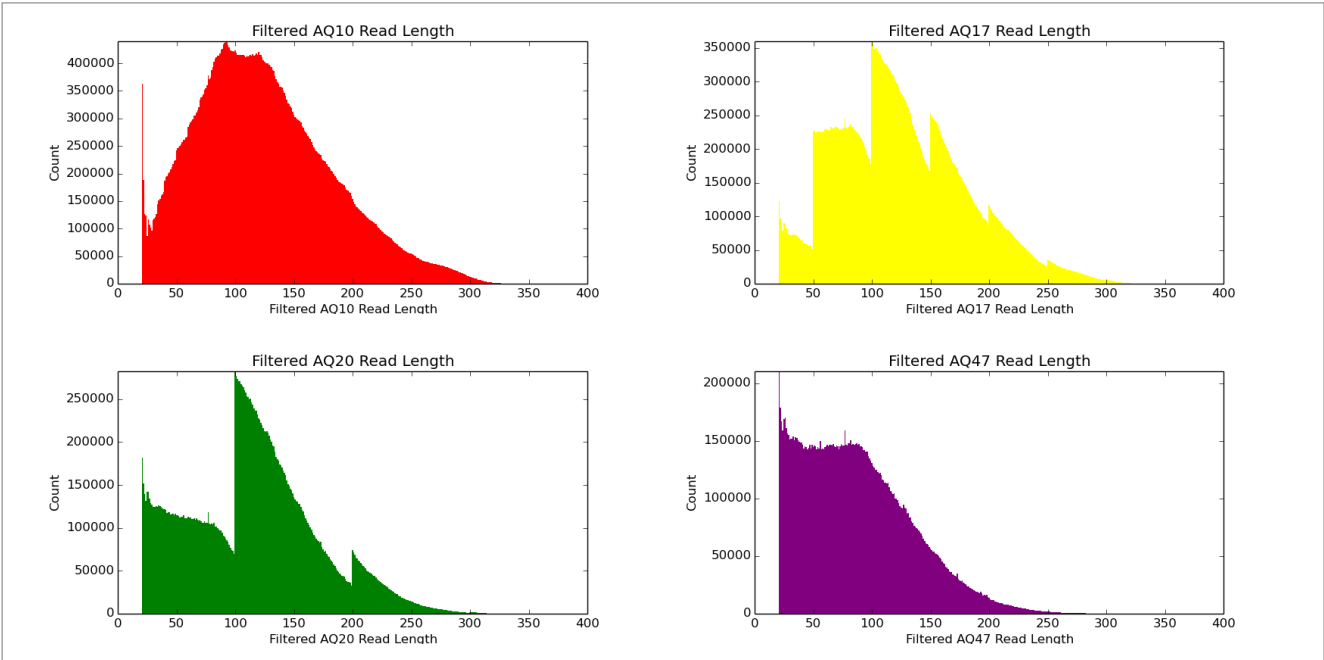
Sample ID	Target	Reads	Percent 50AQ17	Read Length	Read Length Histogram	
IonXpress_006	IM3R6-siNPM2	1,207,408,070	962,205,142	9,692,916	124 bp	
IonXpress_008	none	35,130,500	28,563,775	264,593	132 bp	
IonXpress_009	none	13,387,943	11,237,103	106,496	125 bp	
IonXpress_010	none	21,505,196	18,320,263	166,184	129 bp	
IonXpress_011	MV3R2-ST0-2	89,276,454	69,707,424	756,494	118 bp	
IonXpress_013	none	51,230,110	40,363,356	357,720	143 bp	
IonXpress_014	none	304,045,762	243,023,998	2,121,630	143 bp	
IonXpress_015	none	78,916,340	62,657,184	572,995	137 bp	
IonXpress_019	GK3R188-Wt1	149,009,792	118,503,500	1,112,138	133 bp	
IonXpress_026	MV3R5-ST1-3	341,554,808	266,956,661	2,559,162	133 bp	
IonXpress_029	MV3R8-NKT1-3	361,337,545	281,076,566	2,713,054	133 bp	
IonXpress_032	MV3R11-NKT2-3	440,816,821	344,297,559	3,291,249	133 bp	
IonXpress_035	MV3R14-NKT17-3	241,855,405	186,300,690	1,825,002	132 bp	
IonXpress_038	MV3R17-DPpre-3	338,180,057	267,056,031	2,473,568	136 bp	
IonXpress_040	none	46,881,001	36,860,894	330,848	141 bp	
IonXpress_042	none	25,408,398	20,107,934	173,277	146 bp	
IonXpress_045	MV3R20-DPpost-3	389,605,731	305,352,558	2,823,185	138 bp	
IonXpress_048	MV3R23-CD4-3	332,380,596	256,059,712	2,455,947	135 bp	

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	393,511	87	
TF_1	155,755	86	

Alignment Summary *(aligned to Homo sapiens)*



	Alignment Quality		
	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	4.97 G	2.98 G	1.62 G
Mean Length [bp]	125	115	87
Longest Alignment [bp]	365	348	337
Mean Coverage Depth	1.6	1.0	0.5



Analysis Details

Run Name	R_2018.07.27_12_27_12_user_IONAS-405-DrMylonis_MV-GKlab_180727_IM3R1-6_GK3R188_MV3R
Run Date	July 27, 2018, 12:28 p.m.
Run Flows	520
Projects	GKLab_3RNAseq , MVLab_3RNAseq , DrMylonis_3RNAseq
Sample	MV3R11-NKT2-3, IM3R6-siNPM2, IM3R1-wtNT1, IM3R4-siHIF2, MV3R14-NKT17-3, MV3R17-DPpre-3, MV3R23-CD4-3, MV3R2-ST0-2, MV3R20-DPpost-3, MV3R8-NKT1-3, IM3R5-siNPM1, IM3R2-wtNT2, IM3R3-siHIF1, MV3R5-ST1-3, 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	IONAS-405-DrMylonis_MV-GKlab_180727_IM-GK-MV3R_hg19-mm10
Analysis Date	July 31, 2018, 4:57 p.m.
Analysis Flows	0
runID	ZX5Q7
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