Inf 374 Her to 13.27/1 1.5 4.09 6.32 13.3 900pl Inf 374 Her to 17.01pl Inf 694 Hu 1202pl Inf 694 Hu 18.7 pl Inf 694 hu Inf 694 hu Inf 695 hu In	Specimen	Status	Location	Conc	Date	Tool	1	1:100	Core	d Blood	#2	
Inf 374 Harlo 17.0171 2 2.99 4.74 3.30/m 1 1.694 HV 18.71 2 3.95 6.38 1.578 884/1 2 3.95 6.38 1.578 884/1 2 3.69 6.26 3.30/m 1 18.71 2 3.69 6.26 3.30/m 1 18.71 2 3.69 6.26 3.30/m 1 18.71 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			- TORVAL		Date	Tasks	Volume	Ly	Ly+Mon	Total	3E+6	.3E+
Int 694 Hu 12021 2 3.95 6.38 1.528 884/1 Int 694 Hu 1871 2 3.69 6.26 3.34 4% NDOOG Adult 14 El 02/24 03/12/20 2 1.34 1.82 Specimen pille 9:28 cun 15000 2nd curtific ge out 10000 1estones: Thaw issue # Thaw issue # 10:00 2nd curtific ge out 135 c/l 93/12 Young on what of 9:30 am 10:37 No cor 10:14 160 c/ll Stapped 05 min 2006 (2 9:50 am 1 2000 10:14 160 c/ll O:33 am 3 single stain for sound VII:01 am (NDOOG cont screened on) Sigh 7.35 Tage 7.35							1.5	4,09	6.32 _	1 13.3	900/	
Infequent Ho 1824 1 2 3.95 6.38 1.528 884/1 Infequent Ho 187/1 2 3.69 6.26 3.384/1 NDOOG Adult 14E6 00/24 03/12/20 2 1.34 1.82 Specimen pello 9:28can / 85 minute 10:00 2nd control go out 15t spec @ 9:41 am / 85 minute 10:00 2nd control go out Thaw is see 2 100 Inc 684 while pelloff NDOOG 10thours: 135 c/M 93/1 135 c/M 93/1 10:33 am -> single stain for count 10:01 am (NDOOG cont screened up) Sigh	Intsia						2	2.99	4.74 -			
NDCOG North 14 El 02/24 03/12/20 2 1.34 1.32 1.32 1.32 1.32 1.35 1.32 200 15t Spea @ 9:41 am 15 pend 10:09 200 centrage out proteined with pellets NDCOG 10:00 135 c/M 93/2 135 c/M 93/2 10:33 am -> single stain for each 10:01 am (NDCOG cont screened up) sigh 51gh 51gh 51gh 51gh 51gh 713.33 % 4 = 3.3				\ =;			2	3.95	6.38 -		88411	
Specimen pulle 9:28 cm) Specimen pulle 9:28 cm) Ist spec @ 9:41 am) Specimen 10:09 2nd contrage out proteined 10:09 2nd contrage out proteined 10:09 2nd contrage out proteined 135 cm 135 cm 135 cm 93/2 10:09	Inf694	HU		L.		-1	2	3.69	6.26		00 (7)	
7.35 (N) 2006 (2.50 am) [N) 2006 (2.50 am) [N] 2006			1	1	2021	03/13/20	2	1.34	1.82	3,34 4		
	0:33 am	Stappe	d ogurn -> u	later but	hed		7 3 64					
	3M 3M	→ →	10.33	1 4	3 vells	5cx	pl		7.	9 38 7.	4.5 =	3.3
and NSOOG than @ 11:44 am (Coul total Pic) (1)	3M 3M	-> Mac	10.33 1228 bata a	= 4 = 4	rells	50x	=90c	°H	7.	9 38%. 5.28 3 million	4.5 =	3.3
NOOG than @ 11:44 am / full tol (and)	3M 3M Ford info and Novo6 and Combined	than & sold both A	10.33 12.28 batal Co 11:44 a 1:56 da tehad	= 4 = 4 = 11:3 m (6	rello	500 500 Either	= 900 = 8 Gara Gara ishchanne	34pl	246 C/M 27.28/	9 387. 5.28 Budhow	4.5 = 100000 57 547 2.3	3.3 NKT: M cell

much els I can do abortif. (@12:16 pm Abs propped @ 4.26 pm (Zagenty CT)

3 M ~ 2.3 M acquired ~1.1 M Live RBC, ~ 55011 CO3 cells ~ 0.5% NKT ~ 0.06% MAIT?

+ 2 onstaineds @ 14/7 /h tolas O Va7.2 = 505/1 6-FP 9 unstaned Regula Vages T-H-C

135 mls SFBS-PBS

cells out @ 5:22pm 5:33 spin + 2 us stand THE SPECIFICS 5:47 4/0 Adults out @ 5:52 Timpan blue 88/94 9E/6×3= 27? 6:05pn In/ 1 6:18 pm N 0006 spin dura/ T- H-C @ 6:22 totone = 702 pm LHot @ 6:26 -> 56pm (SES PBS spindown after algost -> 6:37pm - Hobviously heavy cell heavy by PBSM Imp RBC YSC Sch Hots In @ 6:59 => 7.29 pm > 6:59pm hotsat 7:36 -> cold 505@7:10 -> 7:40 pm Biotin & 400 7:12 pm > 7:42 Tet-Hot-cold @ 7:16 pm fires puo (250) All scs RBC yeard H- TC lamin @ 7,21 pon a spun zmis 7:34 -7/8:04 pm @7:45pm PBC lyse 2) + Tet-Hot's wash C 8:06 pm (250) Spine Billipm Cold stain FRREIM All Fix Remed (Wolding Fer Step,) @7:57pm / 1st perm which 8:59 pm/ @8:30 pm > 8:27 pm 9:22 sorted ses + T-H-c into RDC Ize 68.27 M Intracellular ca: 25 pm Spin @ 8:31 pm FixPear C 42 v -> 10:05 pmc > 10:14

50's + T-HC@ a:34pn PDI got screened up

200 @ 53

50s done @ 9:47pm (upsetty chat PDI)

10,05 pm

10:14 pm final spine 10:17 pm

2 on Peronwas le end 6min 1400 npm

Done @ 10:30 pm

		49.5		-	60.7		67	olume /sample	rippette draw volume /sample		0.04	sample	130		Notes: No cytokines or CD107a today
	350	50		350	50.0	350	50	Stain	Brilliant Stain	14		Pippette draw volume	Pip		
	17.5	2.5		95.9	13.7	137	19.5	Aiotal	Cumpody lotal	144	30.5	R10 Media	RIG		And UNSTAINED CONTROLS !!!
Cap tubes, wrap rack in foil, store at 4°C						7.1.2			Antiha	2	0.0	tihadu Tatal	Þ		
Resuspend in 100 ul 0.4% PFA-PRS		620				14						(HIT2)	CD38	APC/Fire 810	
Second Felli Wasii: 1 ml Perr									<0000			(0323)	GD27	APC/Fire 750	
									1.3500				L/0	Zombie NIR	26 R7
First PermWash:					<: >()			1. 11)		#	<2>	(H4A3)	#YOUGH	APL 8700	25 R6
Add Intracellular Stain incubate @ PT for April				4.9	0.7								hMR1	AlexaFluor647	R4
	3.5			10.5	1.5								CD16	APC	23 R2
÷	######	<2.5>											PD1	PE-VIO//U	69 R1
First PermWash: 1 ml Pern	3.5	0.5				8.4	1.7					(MAB11)		DETOO	22 B13
						8.4	1.2					(M-A251)	CD25	PE-Cy5	21 810
(vortex e	3.5	0.5				TU.5	1.5					(M-A261)	CD26	PE-CE-S94	20 B8
300 ul BD FixPerm, incubate @ 4C for 20min				8.4	1.2	2	4						NKG2D	Dr Cree	19 B6
					<: >()			3. 711				(SK7)	CD3	Spark plue 550	18 84
Wash 2 ml 5% PBS-FBS 1400 rpm, 6min						C.0T	T	<. >()					PEDIG	South Him Pro	17 B3
Add 300-500 ul 1x RBC Lysis for 3 minutes	######	<1.5>				201	1 1					(11A9)	CCNO	Alexander App	16 B2
Add ColdStain mix, incubate @ 4C for 30min						,	-					(827)	Asyst	B1770C	15 V15
	X	9.5				7	7						100	1	14 V14
Wash 2 ml 5% PBS-FBS 1400 rpm, 6min	-				1	1	1						CER	BV711	1
Add HotStain mix, incubate @37C for 30 min						7	10						acm a	RVGSO	13 V11
				4.9	0.7									RVENS	12 V10
Wash with 2 ml PBS, spin down 1300rpm 8min						14	7					(Hi100)	CD45KA	OYCAG	
<add 40="" at="" for="" minutes="" rt="" tetramers=""></add>				14.0	2.0	1/	3					INCA631)	Charne	RVS10	11 47
				14.0	200							(6EBIH)	CDAS	BV480	1
Wash 2 ml 5% PBS-FBS, spin 1300 rpm, 8min					30	10.0	1					(MSEZ)	CD10	Parific Blue	V3
800 ul of LiveDead mix (1:2500) @RT for 15min	3.5	0.5				10.5	15					(A019DS)	(ZEG)	Pacific Rive	9 V3
Wash with 2 ml PBS, spin down 1300rpm 8min						10 5	15					(SK3)	CD49	RVA21	∞ ∨1
				17.5	2.5							CXCR3)	200	BUVANS	7 UV16
cab and incubate at 21 C 101 a 110012				4.9	0.7					1		(106/	CXCR3	(BUV737	, OI4
Can and includes at 1770 for 6 hours						14	2.0		1	1		(86)	V82	BUV661	-
Bring volume unto 1 ml R10 and 2 ul BMA/Ct-1 and	#####	<1>		3.5	0.5					1		(161)	CCR4	BUV615	5 UV11
Collect count alienst calls 2 08+8 Colle 840 / See				4.9	0.7			T	1	1		(FNSO)	CD69	BUV563	4 UV10
Thaw cells, DNAse count										-		(RPA-T8)	CD8	BUV496	3 UV9
The state of the s				8.4	1.2				1	1			AF-UV6	AF	2 UV7
Simplified Bootson		@RIT	Fix/Perm						min (KI)		-		CD62L	BUV395	
N IG	7	Intracellular Stain 40 min	RBC Lyse, then	7	ColdStain 30min @4C	·c 7	HotStain 30min @37C	Tetramer 40 min @RT	1/0 15	During 7	Vial Lot # Du	Clone	Marker	Unmixing ctrl Rame Fluorochrome	# Filter Single color (ul) Ref ctrl 1 UV2
37					THE RESERVE THE PERSON NAMED IN			- Control of the last of the l	The second second	2000					

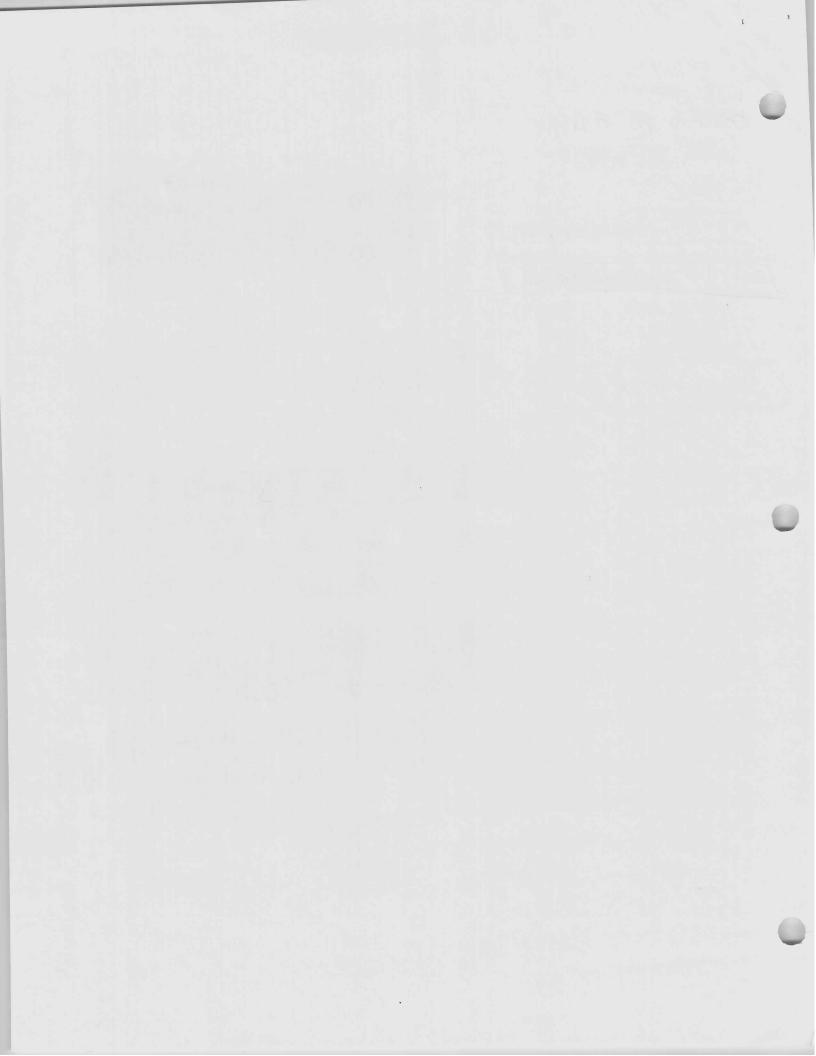
COSC ran outrousing engeleists se got runal a last stop

vcells, DNAse, count.

sci, count, aliquot cells 3.0E+8 Cells Rt0 / 5m1 polystyrene tube
g volume upto 1 ml Rt0, add 2 ul PNAACtrl and DuringStim antibody
and incubale at 3T°C for 6 hours

1 ml PermWash 1500 rpm 6 min 1 ml PermWash 1500 rpm 6 min

1 ml PermWash 1500 rpm 6 min 1 ml PermWash 1500 rpm 6 min



ILT & NK SFC Panel

											-	_												
				760		A-775		679	664	613	598	582	542	525	514	508	473	458	443	428	388	373	Spectrum	2
		UV16	UV15	UV14		UV13	UV12		UV11	UV10		6AN	UV8		UV7		UV6	UV5	UV4	UV3	UV2	UV1	-	1
	- 5	BUV805	1	BUV737					BUV661	BUV615		BUV563			BUV496		AF-IIV6	1- 1-			BUV395		VU	
18	· who	[1] CD4		[3] CXCR3				700 MS				CD60	5	(15 N CDO	<u> </u>	AF	A	1	104		[2] CD62I			
	1	V16	V15	V14		V13	X45	V11	V10	59	ξ	5 5	\ ₆	-	V5	V4	\ 3	\ <u>2</u>	<u> </u>			\dagger	1	
			BV786	BV750		BV711		BV650			BV5/0	BV510	-		BV480		PacBlue	1	BV421	!	e de la companya de l		Violet	
		EL SO CCRO		[2.5] IFNg	C .			CCR7	CD56	KS12	03	[1.5] CD45RA	1	Es	[3] CD161	\E	[1] CD14/19		[4] CD127	Gr.	()			
	814	B13	B12	-	B10	B9	B8	B7	B6	B5	B4	B3	B2		B1							r	1	
		Pe-Vio770	·	¥,		PerCP-Cy5.5	PE-Cy5		PE-CF594		PE	SparkBlue 550	AF488									Blue		
	€.	[3] PD1				[2]	[4.5]	200		9		3		EN,						17.				
	- bi	PD1		dk.		TNFa	CD25 (e)		CD26		NKG2D	CD3 Out	hCD1d 4	10	S.									
	R8	R7	R ₆	<i>R</i> 5	R ₄	R ₃	R2	72				0	٨											
	APC-Fire 810	APC-Fire 750	Zombie NIR		APC-R700		AF647	APC														Red	1/11/2023	
	[3]	[2]	Ξ		<u> </u>			3 51								T							ယ	
. W	CD38	CD2710 6	L/D 4.73	\$0°	CD107a	105 PC (CON!	hMR1/Va7.2	CD16	50,	2002														

100 M

C.

PECy5 -> Lover has All MALX. BVS10 gate on the average adl, brightest + spectral wear 20.97/ 0.96 APC > average bight CO7- average bright 0.97 PE-CF594 -7 0,98 BV-605 ->098 0.98 CO27 > brightest BUV-496 -299 Percys -> bright (0.92) to Age these, different due to enderlying cellure conditions from their reference? # g colors · - . Just noticed the diel drag still cos / PD1 asky why the axis charging ... bioto died so no cause concern bejond men shot Nada in PDI Inp394 H-TC/ForMITS2MATS95 HJ is off moord colly a bit off tiny bhoff will 20 PF 26,000 Déé c 026 * 9 is an NRT cluster o 27+ 26+ NHZD ODA CORE+ CO7+ CO161+ CO127+ (CD25) CCR7 - CO45R++ 393,347 1.14 between 2 24 5995 This is truly bizzare 000 2.61 4.49 & 13% between 2 24 2863 283

374-4 Box 124 Row A, coi 7 + two empty spaces col immediately past was it. 694-9 Box 20A Rowe , cod 12 7 confince on next line - 2,1 algors.

Stort after QC was at 5:27pm running 15,000 events

Less loving on Instagglis unstand (or more RBCs?) -> less living (nore gray mather?)

20-21,000 events

24-25 R/ Done @ 7:34 pm

01/14/2023

Initial unmix [968 file]

[113 68 data) Since last Thesis Can PadMAP

PDI (dd experiment) + 2 Sets card instained (CD8/combon)

\$ starting off of adult045 & cos for unown (computer struggling PackAP, spotific annixing)

11:06 an (1/2 an hour)

A No D in ATS across PoPs that's significant beyond don't Ho has some red.

--- Universal subtraction

Internal requires pop be consistent, in Lympuse Lym -> Brightest bight > Average At Homas

> Suggest Rund to make holing instanced's easier I have Internel appended at end.

So Flow Jo SC Template
Drag my SC files, place into a "New Folder"
Want my Groups to automatically populate Sor every sc.
And have a default template assigned on a by group busis down to the pap (coel-
International Average Bright
-> Cycle through your new folder edit pap gates
The a LayOut The a LayOut Bov395 # Cells gate
Designing this to eventually be run on FlowTo Commadely "At 17 "templated by group" @ 1:51 pm"
"SSC-t # B2-t for tetraners" Swapping monecyle No COG9 staning conference
*Export only SETL name, uncomp parameters? —> generated 51 files V
Flourless - Zombie NIRS & PaeBlue CD14
sccoes5

AF488 2 bit fletation

No effects: CD3

BUUGGI -> GII in the templake...

Unmixing - optimal?

APC, hMR1, LD all screwed up

hoold unloaded is latelled onto by monogres? or...

AF488 Sports 50

AF488 Sports 50

Only one shere

By Repedras

AF488 unloaded spector (significant ou/v peops to .t

AF647 Lym 2 Non 0.02

OP-RU us G-FP identical on same cell type.

AF488 unboded on CO3 7 spectron

Delegation control

Simularly

AF488 inladed a loaded by a

Day along gating:

2nd Unmixo CDG9 in knowl \$\pm\$, interged in cordBbodd unstained was a for antiferral negative pap.

- leaving CD45RH on an internal external average
 - swapping cor over to brightest
 - pushing cois to brightest diright
 - moved Zombie NIR over not to let

(#) Would unriving cord benefit from tag approach to AF extraction rather than leave up to chance?

Eon a sample/sample basis? unmany vied signal dying colls in FAGEV

First because a reference peak looks like that & advalcells all but it of spaken has actual "signature" it will resolve them....

Some improvements076	
APR- AFG47 - BENGGI	- 46
	7 211 P
	APC FIE 750
Swapping to leas bight	APE? For third main
gialding middle helps	
N/C 329,000 T 285,000	ye bid 23,193 AF AF697 APC 11 -> 15507 AUNING 1550ED
COB COUSRA, REG for NM sep	arahan e
1/2 CD8-4- 50ME CC24	CR4 + CCR4 - CD8 weeds RA- RAF CCR6+ NMG2DT and op N on APEND
· ·	MAP @ 4:57pm (includes DNs) PaceUAP for COD @ 5:02pm
Cluster 1 & cluster 5 are NVCTS MAIT C CCRH, ODGT CLUSTER 2 CDH	7 expresses 16 hohy, c08,

CD8's #	3 #2	#1-		
27 hgh -	——	C038 -		
c08 h	CD38+			
COS	sex might be a	fefact of intr	ae 2 off shi	n 170?
	127 mid	md >		
LOV CXBRB				
Neg for OIGI	**	~	2069	C08
	CD45RA high	over	other	c0 127 lov ~ CD45R4-
No 56	Section 1			~ ccr1
	CORT CORT	cc77 -		+ coze -
	med high			
COT high -			>	
No/low cc	26			
30° CARGED =	No. of the contract of the con		>	
· All con	C036 +	C026-		
		701+		
(5		~ Co	d ~	
1727 high -	2	Shee	- bushl	ress of
nostly 38+ (vr	2 exceptions)		7 1	\
2 < 0621 +			COMBIE IL	ness of laste.
lone CDG 9-1 cls	fors	Cont	C 1	
1 coR4 closter		1	the adjust	charges APC, then
XBR3- 56-		\	we are	APC, then
06 -				lear

