July 21-22nd, 2022

Spectral Panel Optimization #2

	0 cary 21 22	, 2022				Spectral Panel Optimization #2									
	Specimen	Status	Location	Com	D	/ID -	T	1:100			T cells				
		~cutu5	Location	Conc	Date	Tasks	Volume	Ly	Ly+Mon	Total		2 1.5E+6			
	NDOSO			15 E-6	08/24/21		3ml	2.23 E6	3.44E6	6.7	743Ft 1.34mlx	12.6			
2500/1	ND050			155+6	08/24/21		3 m1	2.55 E6	3.81E6	7.65	2.4ml	1.6 ml 23:			
										71.43					
	Ata Hoo	L Cor	5% FB5	wash	. (rp- 1	1	T	he Rose	14					
	new Lylu Ab prep							1	he Biasic			e broke e			
	Ab prep starting	C 8.	bull -	76:4	8 pm	(Jucas))		~58 <u><.2</u> 11.6 -	500		7			
cont	tope	8:30	<u>La</u>	2015+1	+480	-> 300pl	3			The second secon					
O ₀	ount @ 8.	43 pm)	1				lector	restand	!ml, d	Strated	2 140/1			
	Moch i	ne e	11s aliquotes 9.28 pm												
			27 12	27 CCR	7 16	exin (39.69/	18/4 a	ee in, di	ida't m	ess up?)			
	Abs	LP & fe	9:52 pm -7 10:3 bes re												
			th biot				1								
	Ho	st mi	Kes m @	11:0	5 Pm	(C 11 =1		1133							
				•	22	(FOR STO	iens)	71.249	M SC 1	not o	nes in				
	Kbc	lyse	MAG	1:37	om			/	4 pm /	spinc	2 00%	20			
	<i>∞</i> 5	Iman	in C 2	3:41	IL	is out o	nash	same	time.		Mono	be ter			
	11:	54 pm	1/00:	02	ab/	non ==	00:15	am	@ 1	٠. <u>=</u>					
					hof	ses ou	re oc):12.	into dran	1:57	7 12:	27 pm			
			hot ILT	ost.	m	o hat sp	01h	, ,	- simultan	NX					
			Cold IL	be 1.	100:	28, Col	dab,	mon out	- simultan	eordy					
			> ab	/man	isld		. 7.6								
	T	· F	040	3/0 6	1-0	O as s i		cum	old se's	man 2 001	473	1:12am			
	(-15 a	Morocyl	0:50	* MY	lonocyk	o + hod	drewn	r thinging	astech	, (d SCS(1-1/2	0:577			
	Fice	1	Monocyt	es do	one co	OU KB	be		0	21 - 151 C	x Th				
	, IX P	erm @	02:00	2 am	100	ii	7	Note	long sels	intrac	ellular sm	idestans.			
		Σ:	46 inta	cellulars	in	73:26as	ท								

2:46 interellulars in -> 3:26am Sis donce 3:04am Done @ 3:33 am

		And UNSTAINED CONTROLS !!!			27 R8		1		1	- 1	. 10	21 B13	20 B10	19 B8	18 B6	17 B4	16 B3	15 B2	14 V15	13 V14		TTA GIT				10 V5			-	7 UV16	6 U14				3 UV9	2 UV7	# Filter 1 UV2
		TROLS !!!					THE STATE OF	11 (2)	6 1	100			in in	iw spi)- 04	The state of	32.25	51		7 15		125	i i i		5 12	H S		7.15	1 200	7				1 10	10 747	10 M	Single color (ul) Ref ctrl
					oth	## H	in the	50%	in dis		OF THE PERSON NAMED IN COLUMN			97				Cally		0.00		2	hells.	1.61%	2000			Tells.	1000				12813	1.00	To part of	Calls	Ref ctrl name
					APC/Fire 810	APC/Fire 750	Zombie NIR	APC-R700	Alexa Fluor 647	APC	PE-vio770	PerCP-Cy5.5	PE-Cy5	PE-CF594	PE	Spark blue 550	Alexariuor 488	00//00	DIVIOC	RV750	BV711	BV650	BV605	BV510	BV480	Pacific Blue	Pacific Blue	BV421	BUV805	DOVISI	RIIV727	BUV661	BUV615	BUV563	BUV496	CCCAOG	ı.
/s	P	Z7	Þ	2000	CD38	CD27	L/D	CD107a	hMR1		PD1	TNFα	CD25		NKG2D	CD3	hCD1d	CCK6	IFINY	IFAL.		CCR7	CD56	CD45RA	CD161	CD19	CD14	CD127	CD4	CXCR3	Qu'ens	V82	CCR4	CD69	CD8	CDPZL	Marker
sample	Pippette draw volume	R10 Media	Antibody Total	(11112)	(CZZZ)	(ccc)		(H4A3)				(MAB11)	(M-A251)	(M-A261)		(SK7)		(11A9)	[BZ/]					(Hi100)	(REA631)	(HIB19)	(M5E2)	(A019D5)	(SK3)	CXCR3)	(106/	(B6)	(161)	(FN50)	(RPA-T8)	(DREG-56)	
19.5		=	80	-		-				+													1		2												Vial Lot #
in	366	12.1	8.4 8.4	-	-		0.0		+					200							0.8	+		- James -	0.8		-	0.8									During stim!!!
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/sample	DI IIII STAIN	Brillian	Antibody Total	L	-	00>	+	-	1	-	4	-			1	1																					L/D 15 min (RT)
/sample	Locain	· Statis	ly Total					(5) <000:1>	2000					1		1	<1:750> (0.2)							10.0	1					1							Tetramer (RT) for 40 min
62	50			1.6	2									1.2			210	1.0						1					And the second s	2.5	1	2.0	Name and Parket of the Parket	1		Militar	ω
	50	+	12.1	1.6	2								1	13			200							1						2.5	n 4	2	-				1
65,4	50.0		16.4							1.5		1.2		Court	7.7				1000	CAN	>	0.7	0.7		2.0	2.0	1.0	1.5			0.7		1.0	0.7	1.2	40C for 30mir	Surface staining
	50	10.4	16.4	-	-					1.5		1.2		200	1.2					-		0.7	0.7	-	2.0	2.0	1.0	1.5			0.7		1.0	0.7	1.2		<u>n</u>
				1																																Perm	Lysing, then CytoFix/
56.25	50	7.25	7 35						15		2.5	0.25			0.25			1.5						2.5				0.25					0.25	0.25		40min Intra mix	
	50	1.25							1.50		2.50	0.25			0.25			1.50						0.50				0.25					0.25	0.25		×	ц

Simplified Protocol

Incubate 6 hours @37C Raise R10 + cell volume to 500 ul Add 500 ul of PMA-ionomycin/Ctrl Aliquot cells 2.0E+6 Cells/tube

Wash with 2 ml PBS, 1400rpm, 6min

Wash 2 ml 5% PBS-FBS 1400 rpm, 6min

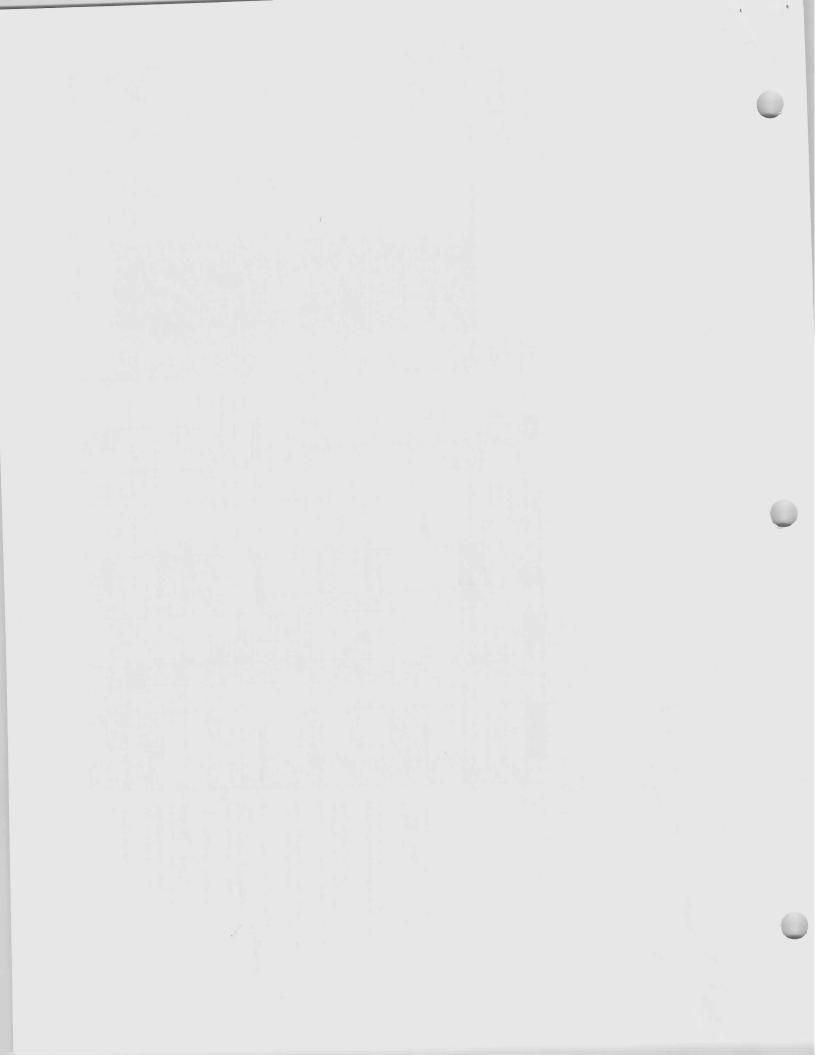
800 ul Live/Dead @RT for 15min

Add Tetramers, incubate @RT for 40min
Wash 2 ml 5% PBS-FBS 1400 rpm, 6min Add hot Surface mix, incubate @37C for 30 min
Wash 2 ml 5% PBS-FBS 1400 rpm, 6min

Wash 2 ml 5% PBS-FBS 1500 rpm, 6min Add 300-500ul 1x RBC Lysis for 3 minutes Add cold Surface mix, incubate @ 4C for 30min

300 ul Cytofit/perm, incubate @ 4C for 20min
Wash twice 1 ml PermWash 1500rpm, 6min

Resuspend 100 ul 0.4% PFA-PBS, store 4C Wash once w/ 2ml Perm Wash Add Intra Staining, incubate @ RT for 40min



For 60 SSC 337 SSC-B 300

I remembered to add (UUT V7 B3 HF)

Width FSC SSC.

2511 unstand cells

Running Full staned ILT @ 6:38 pm

3 400 cell ses

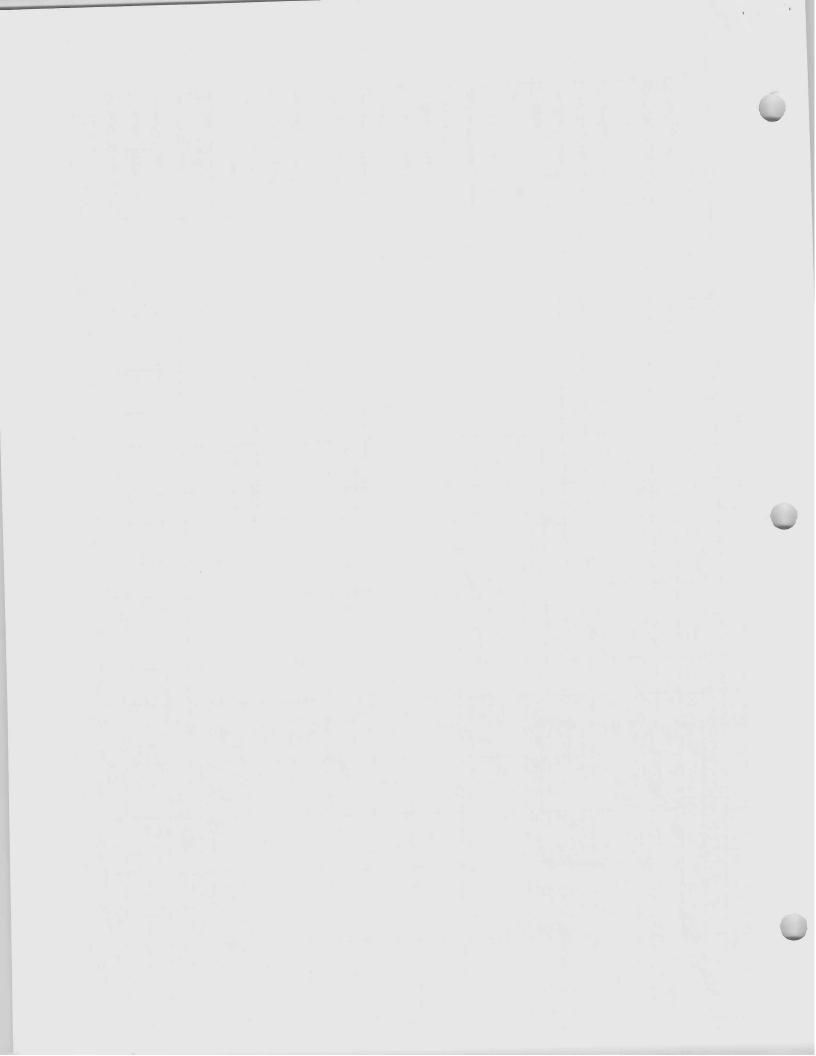
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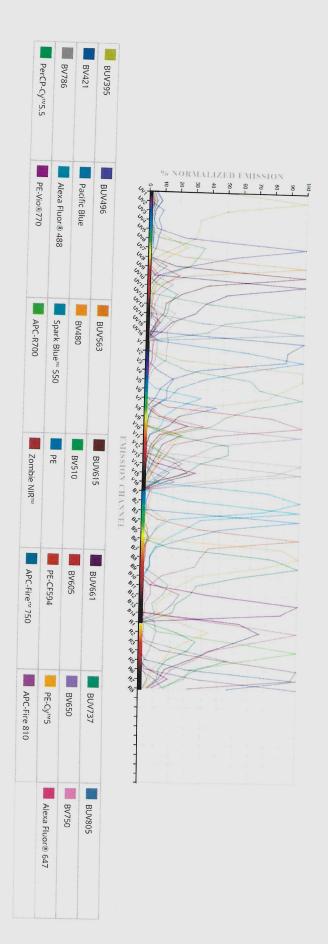
	783 UV15 812 UV16	750 UV14	697 UV12 717 UV13		542 L 582 U					373	
J.	15 BUV805	14 BUV737	73 2	BUV615 UV11 BUV661	uvs BUV563	BUV496	UV5 UV6	UV4	UV2 BUV395	V	ILT SFC Panel
13c 60	3	छ		[3]	[3]	[2]			[2]	-	
35	CD4	CXCR3		CCR4 Vd2	CD69	CD8			CD62L		
352	V15	V14	V12 V13	V10 V11	\$ \$ \$ \$	\ \(\)	≨ ≲ ;	§ <u>\$</u>		H	
5563-310	BV786	BV750	BV711	BV650	BV510	BV480	PacBlue	BV421		Violet	
۵.	3	[2.5]	[4]	[3.5]	[1.5]	3	3	[4]		Н	
8	CCR6	IFNg		CD56 CCR7	CD45RA	CD161	CD14/19	CD127			25
B14	B12 B13	B11	B8 B9 B10	B5 B6 B7	B2 B3	B ₁				\forall	
enstance (AB) ZON-	Pe-Vio770		PE-Cy5 PerCP-Cy5.5	PE-CF594	AF488 (cos) SparkBlue 550 PE	10 to 12-7 105 19	Thistikes all over	A		Blue	
12	<u>a</u> 6	E,	[4.5] [2]	₹	[1.5] [1]	/					
Upto sal bagataces.	HA-BR-	N. S. W. S.	CD25 TNFa	CD26	hCD1d CD3 NKG2D	Sold Sold Sold Sold Sold Sold Sold Sold	ì				
	R7	R5 3	R R R 7	Z (Wow wow						
APC-Fire 810	Zombie NIR APC-Fire 750		AF647	APC	main preed to when the work to					7/8/2022 Red	
[3]	<u> </u>	2		3	9/ >					2	
CD38	CD27	200	hMR1								
			ues.	-							

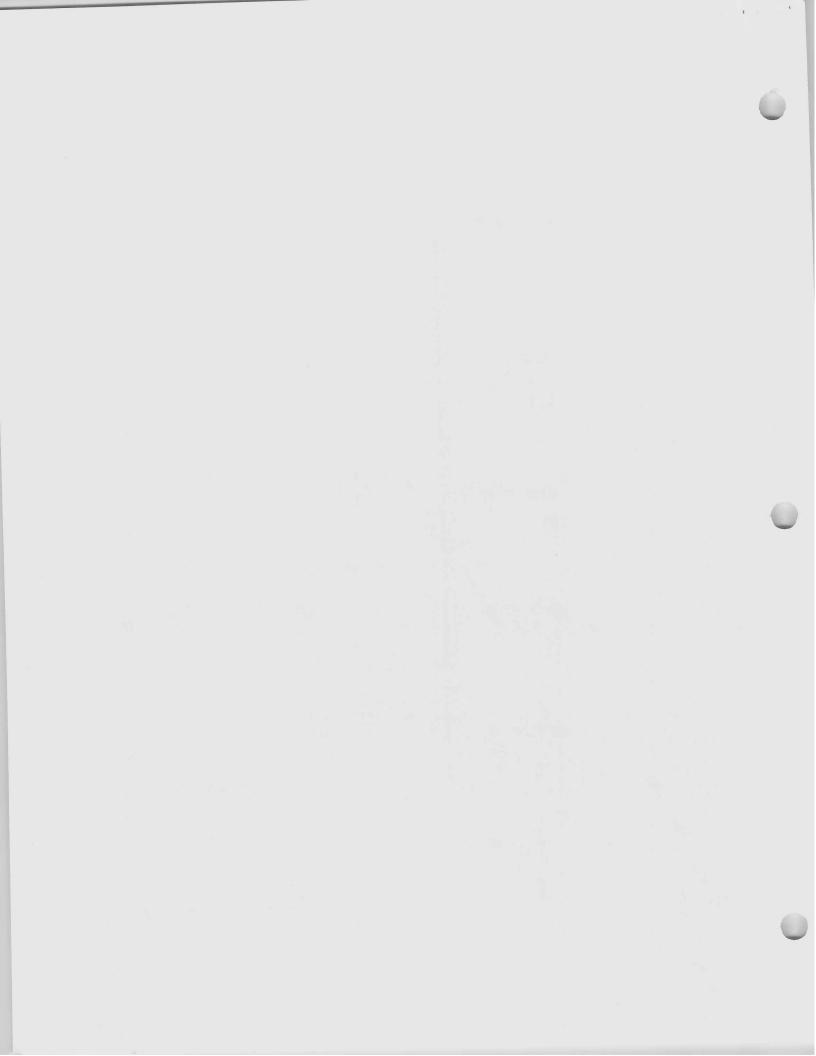
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	BV650 CCR7	APC/Fire 810 CD38	APC/Fire 750 CD27	Zombie NIR L/D	-	PE-vio770 PD1	PerCP-Cy5.5 TNFa	PE-Cy5 CD25	PE-CF594 CD26		Spark blue 550 CI								BV421 C	BUV805	виу737 (BUV661	BUV615	BUV563	BUV496	266400
		(ніт2)	(0323)	7a (H4A3)			α (MAB11)	25 (M-A251)	26 (M-A261)	NKG2D	CD3 (SK7)	hcDid	CCR6 (11A9)	IENy (827)	CD56	CD45RA (HI100)		CD14 (M5E2)	CD127 (A019D5)	CD4 (SK3)	CXCR3 (1C6/ CXCR3)	V82 (B6)	CCR4 (1G1)	CD69 (FN50)	CD8 (RPA-T8)	CD62L (DREG-56)
																										control type
																										Control type Fixed? Condition Panel ul
																										t
																										Panel brightest MFI Total #
0.5 1.5 1 0.5	1.5 0.5 1.5	1.5 0.5	0.5 1.5 0.5	0.5 1.5 1.5	1.5 0.5	1.5 1 0.5	1.5 0.5	1.5 1 0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	1 0.5	0.5	1.5 1 0.5	1.5 1 0.5	1.5 1 0.5	1.5 1 0.5	Н
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BREAKING AND		State						William St. In St.	EL KONZELIN		ESCHOLIST PARTY AND ADDRESS OF THE PARTY AND A				No. of the last				STREET, STREET		The second second	Management of the second			reviewed the plant walle	afaranca i librani Nama







Pacific Blue BV480

0.02 0.38 0.08 0.05

0.01

0 0

0 0

0.28 0.58 1

0.01

0.13 0.01

0.01

BUV615

0.05 0.32 1

 0.03
 0.1
 0.4
 1

 0.04
 0.02
 0.05
 0.32
 1

 0.03
 0.01
 0.02
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	6	APC-Eire \$10	APC-Fire 750	Zombie NIR	APC-R700	PE-Vio770	PerCP-Cy5.5	Alexa Fluor 647	revyo	DE-CVE	PE-CF594	PE	Spark Blue 550	Alexa Fluor 488	BV/86	BV750	BV650	BV605	BV510
BUV395	C	>	0	0	0	0	0	0	c	,	0.01	0.01	0.02	0.01	0	0	0	0.01	0.02
BUV496	c		001	0.01	0	0	0.01	0	0	, ;	0.01	0.05	0.09	0.06	0.01	0	0.02	0.05	2 0.48
BUV563	c		5	э ,	5	0	0.01	0	0.03		0 13	0.28	0.16	0.05	0	0	2 0.03	5 0.14	8 0.24
BUV615	C		0 0	001	0 0	001	0.1	0.01	0.07		0 10	0.11	0.06	0	0.03	0.04	3 0.24	4 0.41	4 0.17
BUV661	0.1	5	2 6	2 3	0.40	0.03	0.33	0.71	0.34	0.04	-	0.01	6 0.01	0	3 0.07	0.1	4 0.37	11 0.12	17 0.04
BUV737	0.21	20.0	0.00	2 6	-	-	0 22	0.22	0.16	0.03	-	0	1 0.01	0	7 0.29	1 0.37	0.13	0.05	0.02
BUV805	0.25	17.0	2 2	0.00	2 0	monfani.	007	0.02	0.02	-	+	0	1 0	0	9 0.23	0.14	0.02	0.02	1
BV421	0	c	+	-	-	-	-	0	0	0	+	0.01	0.02	0	0.2	0.05	0.1	02 0.06	0 0.
Pacific Blue	0	0	c			-		0	0	0.01	+	1 0.02	2 0.05	0	2 0.15)5 0.04	1 0.08		0.17 0.
BV480	0	0.01	0	0	0	-	-	0	0.01	1 0.04		0.11)5 0.22	0.05	15 0.05	0.02		0.07 0.	0.36 0
BV510	0	0.01	0.01	0.01	0.01	-	1	0	1 0.02	0.11	-	1 0.23	0.3	0.01	-	-	0.07 0	0.17 0	0.84
BV605	0.01	0.01	0.02	0.02	1 0.02	-	-	0	0.1	1 0.34	-	23 0.27	3 0.17	-	0.06 0.	0.04 0	0.16 0	0.43	-
BV650	0.04	0.05	2 0.09	2 0.16	2 0.04	3 0.36	mafrica	0.16	1 0.25	34 0.18	-		-	0	0.09 0	0.1 0	0.54	-	
BV750	4 0.12	5 0.2	9 0.31	6 0.12	0.25	0.31	-	0.02	25 0.09	formi	+	0.06	0.06 0.	0	0.19 0	0.24	-		
BV786	2 0.17	0.23	0.27	2 0.07	25 0.27	31 0.23	-	001		0.02 0.	+	0	0.01 0	0	0.86	-			
Alexa Fluor 488	7 0	0	7 0	1	1	-	-		0.06 0	0.02 0	-	2	0.02	0	-				
	0		-	0	0	0	-	>	0.01	0.06	1	-	0.63	-					
Spark Blue 550		0	0.01	0	0.02	0.07	C	-	0.12	0.28	0.4/	1							
PE	0	0	0	0	0.01	0.06	C	2	0.13	0.44	-	•							
PE-CF594	0	0	0.02	0.01	0.05	0.38	C		0.5										
PE-Cy5	0.06	0.08	0.16	0.26	0.13	0.81	0.38												
Alexa Fluor 647	0.12	0.16	0.27	0.64	0.02	0.27	-												
PerCP-Cy5.5	0.09	0.13	0.26	0.34	0.27														
PE-Vio770	0.15	0.21	0.36	0.06															

0.52 **1** 0.3 **0.79**

0.2 0.43 0.74

APC-R700

Zombie NIR

APC-Fire 750

APC-Fire 810

