

Mike (A5SE1): Laser and filter configuration

Symphony A5SE



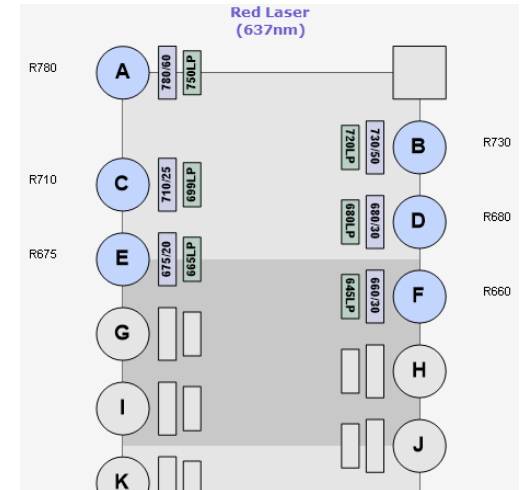
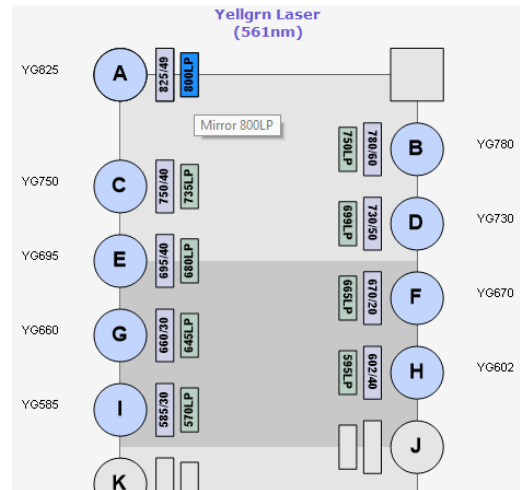
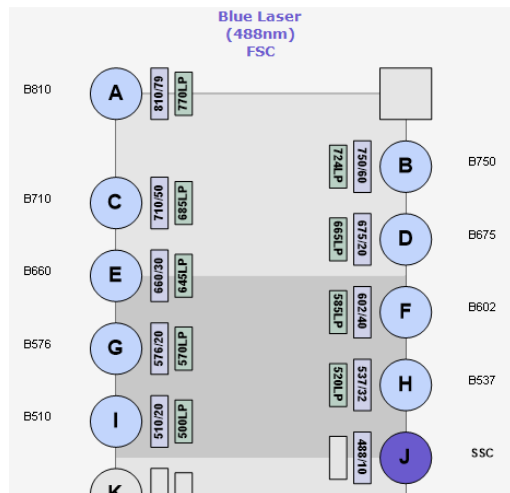
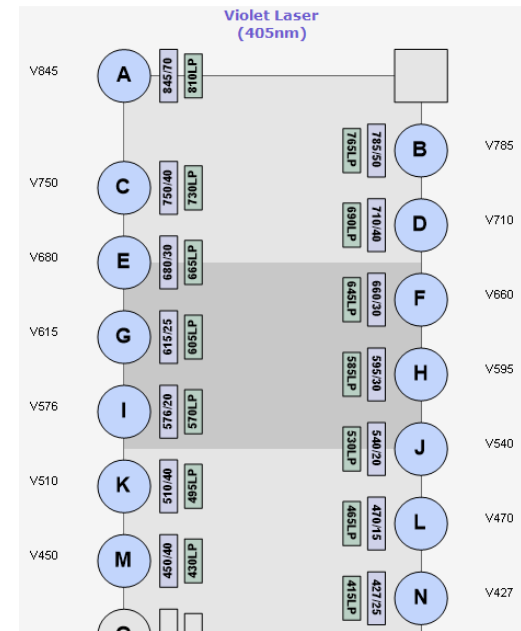
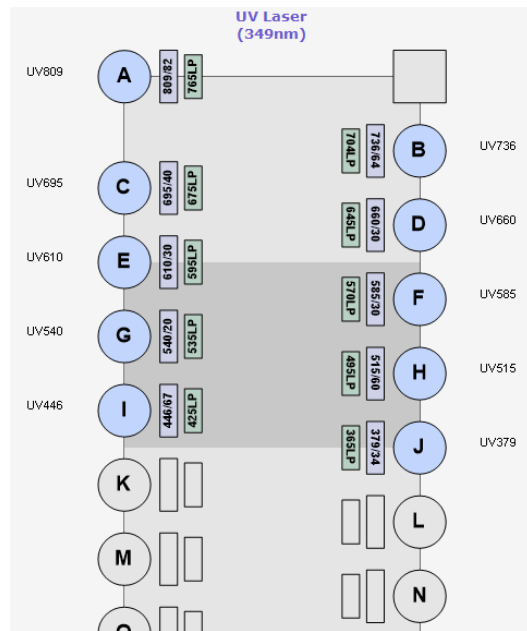
Laser	LP	BP	Parameter	Peak channel	Laser	LP	BP	Parameter	Peak channel
349 nm 60 mW	365 LP	379/34	UV379	BUV395 , Indo-1 (Ca ²⁺ bound), AF350	488 nm 150 mW	500 LP	510/20	B510	BB515 , FITC, GFP
	425 LP	446/67	UV446	DAPI , Live/Dead blue, Zombie 1 IV		520 LP	537/32	B537	AF488 , YFP, mVenus, SparkBlue550, RB545
	495 LP	515/60	UV515	BUV496 , Live/dead aqua, Indo-1, SBUV510		570 LP	576/20	B576	Spark Blue 574
	535 LP	540/20	UV540			585 LP	602/40	B602	BB630 , RB613
	570LP	585/30	UV585	BUV563		645 LP	660/30	B660	BB660
	595 LP	610/30	UV610	BUV615		665 LP	675/20	B675	PerCP
	645 LP	660/30	UV660	BUV661		685 LP	710/50	B710	BB700 , PerCP-e710, PerCP-Cy5.5, RB705
	675 LP	695/40	UV695			724 LP	750/60	B750	BB755
	704 LP	736/64	UV736	BUV737		770 LP	810/79	B810	BB790 , RB780
405 nm 200 mW	765 LP	809/82	UV809	BUV805	561 nm 150 mW	570 LP	585/30	YG585	PE , TdTomato, DsRed, RY586
	415 LP	427/25	V427	BV421 , SV423		595 LP	602/40	YG602	PE-CF594 , PE-Dazzle594, PE-e610, PI, mCherry, RFP, PE-TXRed
	430 LP	450/40	V450	V450 , Pacific blue, eFluor 450, SB436, BFP		645 LP	660/30	YG660	PE-Cy5 , 7-AAD, PE-Fire640
	465 LP	470/15	V470	BV480		665 LP	670/20	YG670	
	495 LP	510/40	V510	BV510 , Horizon V500		680 LP	695/40	YG695	PE-Cy5.5 , PE-Fire700
	530 LP	540/20	V540	AmCyan , SparkViolet538		699 LP	730/50	YG730	
	570 LP	576/20	V576	BV570		735 LP	750/40	YG750	
	585 LP	595/30	V595	BV605		750 LP	780/60	YG780	PE-Cy7
	605 LP	615/25	V615	SB600		800 LP	825/49	YG825	PE-Fire810 , PE-Vio710
	645 LP	660/30	V660	BV650 , SB645	637 nm 140 mW	645 LP	660/30	R660	Sytox Red , TO-PRO-3
	665 LP	680/30	V680			665 LP	675/20	R675	APC , AF647, DRAQ-7
	690 LP	710/40	V710	BV711 , SB702		680 LP	680/30	R680	AF660 , DRAQ-5
	730 LP	750/40	V750	BV750		699 LP	710/25	R710	APC-R700 , R718
	765 LP	785/50	V785	BV786 , SB780		720 LP	730/50	R730	AF700 , Live/Dead NIR
	810 LP	845/70	V845			750 LP	780/60	R780	APC-Cy7 , APC-H7, APC-e780, APC-Fire810

*PI and/or 7-AAD may be problematic depending on the panel

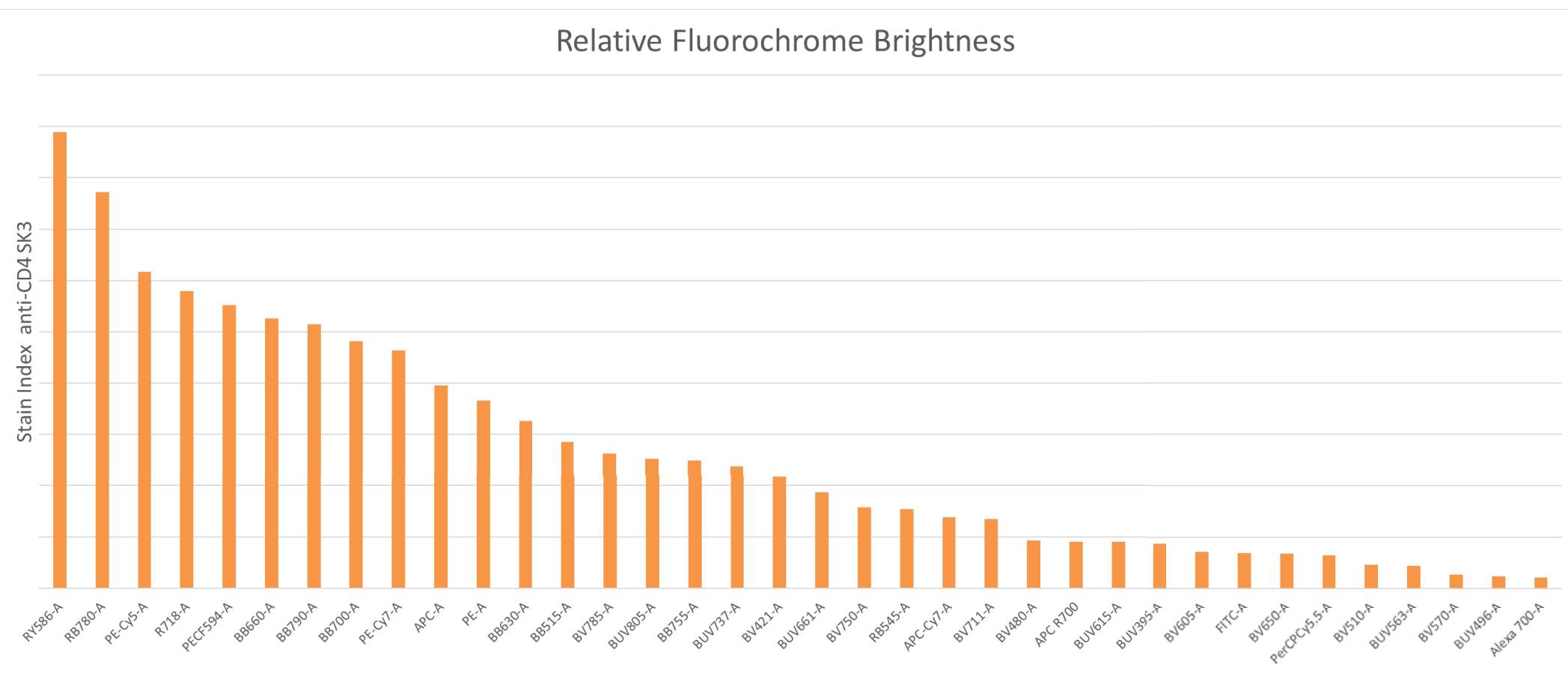
**Do not combine PerCP-Cy5.5 and PE-Cy5.5 in compensation mode

*** BOLD is common Fluor used

Mike (A5SE1): : Laser and filter configuration diagram



Mike (A5SE1): Ranking of fluorochrome brightness



Stain indices and spread matrices were calculated by staining human PBMCs with anti-human CD4 (SK3 clone) conjugated to each of the fluors indicated at the optimal voltage settings in spectral mode. Voltage settings were optimized by volttration of unstained PBMCs.

Mike (A5SE1): Total Spread Matrix (TSM)

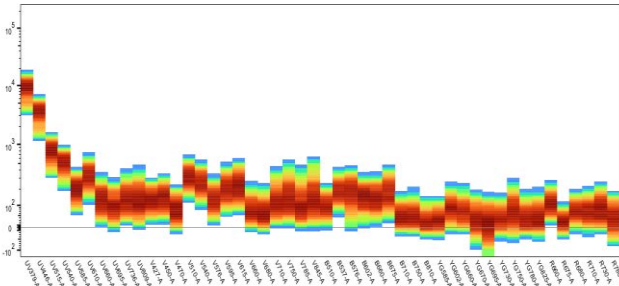
TSM	B510-A	B537-A	B602-A	B660-A	B710-A	B750-A	B810-A	R675-A	R710-A	R730-A	R780-A	UV379-A	UV515-A	UV585-A	UV610-A	UV660-A	UV736-A	UV809-A	V427-A	V470-A	V510-A	V576-A	V615-A	V660-A	V710-A	V750-A	V785-A	YG585-A	YG602-A	YG660-A	YG780-A
BB515		196.316	134.738	122.902	68.6482	51.7016	38.5752	80.3602	41.7808	73.4636	0	0	0	0	23.0719	32.2339	13.3296	0	24.6572	31.942	22.3294	0	85.4998	38.8751	0	0	39.1738	123.693	93.5229	27.0725	21.7774
FITC		79.0018	0	15.9395	0	12.078	23.5062	0	0	0	0	0	225.152	0	0	0	0	0	22.5667	49.9866	0	0	24.8213	28.8916	0	28.3456	13.9286	0	0	0	22.3152
RB545	62.9722		254.467	145.366	148.033	91.8603	54.008	82.1707	290.495	157.321	0	0	0	0	43.4687	48.9067	41.3694	27.2726	32.5419	18.4282	43.3725	60.2522	100.153	51.9059	39.5749	2.52973	29.3433	161.229	121.543	43.8122	31.1765
BB630	31.2427	47.5442		460.503	402.973	289.406	190.154	310.311	948.053	691.293	0	0	54.3094	99.2576	357.614	226.025	196.614	158.831	65.9412	0	0	0	667.866	272.499	175.67	195.701	141.71	481.707	846.347	344.726	169.981
BB660	0	45.8784	202.075		732.492	512.687	310.439	1260.13	2800.16	3188.64	211.308	0	246.727	115.351	45.7368	492.001	283.489	212.704	81.3587	0	0	50.2573	140.981	766.906	299.43	253.332	322.148	86.593	227.707	488.552	206.904
BB700	21.5591	14.1168	58.596	298.745		747.257	448.306	561.705	3761.29	2938.37	287.89	31.9654	221.031	105.277	26.7665	138.301	760.886	447.435	82.318	0	28.4139	26.7383	93.7498	88.9946	801.781	364.754	361.679	153.553	151.968	139.968	165.308
Perpcy5.5	21.8778	17.3955	0	84.9933		219.438	154.934	158.456	1219.62	1068.3	120.813	0	38.4976	0	26.6782	44.1314	150.896	170.496	3.39998	0	0	0	19.1938	28.7887	129.78	138.028	165.653	72.6883	64.394	51.5844	154.137
BB755	14.9157	27.4678	0	116.78	162.908		339.756	102.148	1207.29	1003.84	194.441	18.4421	0	0	30.0368	32.2206	316.974	563.349	46.914	25.7086	0	0	53.9217	0	84.6167	512.122	482.404	125.611	64.5944	39.5121	152.451
BB790	31.2793	39.0868	0	132.009	123.337	736.685		76.7936	548.109	681.058	255.258	5.78291	0	0	29.9831	62.638	193.182	971.024	72.017	0	0	0	56.0384	28.7887	46.4002	232.018	1421	146.799	48.3291	32.491	134.167
RB780	61.4081	35.3655	0	32.5957	106.033	626.683		0.322401	564.264	585.111	140.228	0	0	0	0	18.6226	98.0954	653.551	0	0	0	0	0	0	12.9663	214.268	687.424	58.6433	79.3939	0	118.062
APC	31.3454	0	0	589.505	287.468	74.1137	156.844		3186.68	2828.2	262.405	0	0	47.7831	38.5953	203.277	212.369	172.925	0	39.7576	40.0011	0	49.5206	173.46	107.263	133.579	92.5131	27.1102	91.8422	547.415	263.32
APC R700	0	0	25.2128	91.931	152.396	129.64	164.877	343.441		4670.89	422.6	37.7047	182.695	56.8031	0	56.8329	303.939	247.434	21.2116	0	0	0	27.9512	0	155.569	136.973	201.321	0	94.6279	96.6356	262.442
R718	29.5376	24.7795	192.687	35.871	363.68	249.143	1076.1	411.823		47166.7	5600.73	76.8182	0	0	0	28.914	380.077	246.341	149.916	73.8891	32.8894	0	0	32.2646	641.728	265.339	407.384	149.031	121	37.7505	2409.89
AF700	0	17.109	170.225	48.7489	53.0261	47.9769	59.2194	94.9112	2770.64		254.291	41.1931	169.321	117.42	22.4017	0	117.46	133.754	14.7145	0	0	39.0353	29.9757	34.7251	66.6924	83.0994	115.762	50.1224	82.5486	51.54	152.624
APCCy7	25.3335	13.8525	39.2832	174.323	85.4589	59.7293	186.396	2050.64	1366.48	1555.97		46.1734	121.497	75.0321	0	38.325	81.7084	357.618	32.3505	0	0	0	0.678318	19.4467	25.6629	92.0149	359.541	0	71.4029	153.855	382.393
BUV395	18.5589	0	135.936	0	0	0	11.6514	24.4735	0	72.1829	0	0	156.21	0	35.9721	46.7628	30.2995	0	0	0	0	0	13.6128	20.1971	12.7195	60.1615	44.8299	103.851	80.7939	20.78	0
BUV496	41.3448	33.5354	79.302	0	0	19.242	0	31.8693	0	187.936	0	33.2861		162.457	97.6387	32.0804	59.0996	22.1678	47.0062	18.6396	96.4448	0	80.4506	24.7425	31.8021	0	0	256.753	169.371	0	0
BUV563	0	60.1876	236.261	218.762	90.0006	61.7016	65.9939	147.532	408.787	377.044	20.2687	81.9913	0	0	201.761	120.111	82.243	114.926	44.3958	0	77.9336	146.464	36.4562	22.173	34.6778	0	850.511	527.688	129.161	66.1415	
BUV615	18.5249	20.3726	480.121	354.034	158.585	89.1126	90.4897	297.69	633.832	1030.84	44.2124	32.507	106.513	0	0	286.37	266.911	325.537	42.0647	0	0	0	135.05	79.6013	69.1451	54.4233	59.7939	378.601	925.286	359.609	168.989
BUV661	21.6016	9.83975	116.456	420.953	253.683	144.805	155.134	1088.68	3653.07	2913.99	220.519	72.5382	213.23	140.011	74.5416		547.045	472.607	28.9751	0	0	47.8463	37.0495	162.437	150.402	133.405	132.226	153.548	209.937	454.315	264.206
BUV737	31.401	9.87663	162.931	72.7749	176.825	346.765	221.846	82.1298	2873.11	3336.64	303.082	85.4292	93.8854	110.332	13.2505	25.914		719.09	49.2047	0	0	44.5704	39.7701	49.3526	39.6002	170.31	232.091	179.606	166.484	0	146.012
BUV805	24.239	9.88644	235.073	25.0323	40.318	36.841	70.6339	14.0049	162.176	82.4643	239.956	39.2145	203.925	182.593	58.4564	18.1688	43.7726		0	0	0	15.6485	19.361	51.7508	34.5425	28.9472	178.751	143.997	53.786	20.7938	62.8855
BV421	15.0775	20.2572	197.783	29.0269	40.2649	30.233	0	40.7964	0	64.8954	0	26.1673	241.633	157.666	30.051	12.8063	68.2482	0		162.057	142.379	79.3794	47.22	38.57	46.4131	52.4622	47.8695	285.571	111.702	0	0
BV480	79.5934	27.4442	224.698	83.8552	32.3111	0	54.0145	48.4896	244.578	51.0629	0	51.5426	137.266	180.941	104.045	81.563	54.7801	0	99.4666		277.204	227.578	176.521	98.9858	37.0333	41.9877	32.884	412.935	184.986	17.0326	0
BV510	18.5945	22.8874	117.133	66.9315	40.255	19.2736	23.5728	87.2891	395.854	235.431	0	0	0	0	104.174	109.622	109.199	131.369	74.9978	128.334	155.147	195.752	139.899	90.5808	67.3422	93.68	400.94	227.22	41.6513	31.1456	
BV570	0	1.24729	158.701	161.903	77.1848	46.4302	38.5628	113.154	236.382	133.991	38.5738	0	0	0	123.868	106.563	82.243	63.6552	110.202	0	0	0	202.837	121.474	79.4113	46.3143	75.8302	371.844	330.624	158.704	38.8682
BV605	0	0	238.235	293.637	150.523	72.6476	101.482	171.764	756.045	593.017	1.08334	53.6363	126.134	0	218.531	212.688	199.388	203.195	66.8977	0	0	116.897		194.278	218.246	216.758	174.694	461.845	522.21	346.705	159.711
BV650	18.5589	20.2131	148.95	201.32	93.3886	71.0352	62.7977	354.301	1446.53	1197.21	79.9798	0	211.88	142.918	76.4274	384.24	265.002	256.665	120.906	0	32.7823	0	107.972	0	223.727	229.705	259.334	168.895	187.181	257.606	115.733
BV711	18.5249	0	133.224	58.6308	211.794	221.386	108.127	170.735	4489.7	3391.49	261.743	26.8388	305.896	172.73	30.0802	18.0758	984.029	492.019	95.0313	0	32.6469	0	0	0	422.583	543.528	112.028	95.8162	39.5121	195.881	
BV750	10.562	0.60168	85.5955	32.6174	45.0807	191.356	95.2797	24.5613	1172.2	1042.31	224.833	0	211.924	160.018	35.7814	40.0759	583.675	623.187	77.47	0	62.7791	0	23.8343	32.4651	118.463		625.606	96.6688	82.651	0	67.8625
BV786	46.6966	25.1904	94.8737	0	40.307	90.3145	124.322	55.212	697.252	577.938	312.986	0	60.2617	0	22.9895	0	232.943	1748.03	142.262	35.573	43.3958	0	0	0	46.3393	348.948		108.757	105.831	0	111.284
PE	29.1382	39.1294	583.959	478.496	243.004	159.761	109.431	240.461	436.519	284.224	28.9038	0	124.2	250.755	145.47	112.407	92.1669	65.9803	134.883	0	16.3501	299.965	291.964	158.304	77.7015	87.1394	88.7013		1680.72	594.181	281.283
RY586	0	20.3207	679.988	593.628	304.456	98.2925	151.656	196.167	504.279	145.12	0	10.6001	0	0	74.5141	66.7248	82.3654	56.4445	0	0	0	63.8144	210.43	98.2648	51.4113	21.8053	68.332				
PECF594	26.7815	27.4386	816.457	598.752	427.695	306.784	218.401	291.513	586.431	485.029	20.3055	0	100.979	26.6914	171.297	162.629	131.445	98.3097	51.5068	0	0	67.3382	413.04	193.275	135.776	120.486	130.966	633.631		548.815	286.9
PECy5	21.5489	20.2396	115.654	1959.61	1029.48	749.658	480.813	1280.97	3674.99	3172.55	281.521	0	126.156	38.6705	33.0213	306.599	289.906	232.961	95.3702	2.7221	0	4.45585	101.722	482.39	243.939	282.498	322.107	200.98	193.878		635.058
PECy7	0	10.2685	96.2406																												

Mike (A5SE1): Spillover Spread Matrix (SSM)

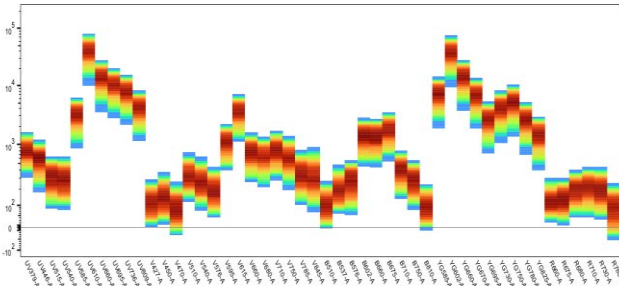
SSM	B510-A	B537-A	B602-A	B660-A	B710-A	B750-A	B810-A	R675-A	R710-A	R730-A	R780-A	UV379-A	UV515-A	UV585-A	UV610-A	UV660-A	UV736-A	UV809-A	V427-A	V470-A	V510-A	V576-A	V615-A	V660-A	V710-A	V750-A	V785-A	YG585-A	YG602-A	YG660-A	YG780-A
BB515		0.786979	0.540129	0.492683	0.275193	0.207258	0.154638	0.322143	0.167488	0.294496	0	0	0	0.0924893	0.129217	0.0534351	0	0.0988443	0.128047	0.0895126	0	0.342746	0.15584	0	0	0.157038	0.495853	0.374909	0.108527	0.0873	
FITC		0.909396	0	0.183481	0	0.139031	0.270582	0	0	0	0	0	2.59174	0	0	0	0	0.259767	0.575399	0	0	0.28572	0.332573	0	0.326288	0.160333	0	0	0	0.256872	
RB545	0.575255		2.32457	1.32793	1.35229	0.83915	0.493366	0.750635	2.65369	1.43714	0	0	0	0	0.397089	0.446766	0.377912	0.249137	0.297272	0.168343	0.396211	0.550408	0.9149	0.474163	0.36152	0.0231093	0.268053	1.47283	1.11031	0.400227	0.284799
BB630	0.163538	0.248867		2.41047	2.10934	1.51487	0.99535	1.6243	4.96252	3.61853	0	0	0.284279	0.519557	1.87191	1.18311	1.02916	0.831389	0.345165	0	0	3.4959	1.42638	0.919535	1.02438	0.741769	2.52147	4.43015	1.80444	0.889754	
BB660	0	0.179764	0.791786		2.87011	2.00885	1.21639	4.93755	10.9718	12.494	0.827963	0	0.966744	0.451978	0.17921	1.9278	1.11079	0.833433	0.318786	0	0	0.196922	0.552403	3.00495	1.17325	0.992627	1.26227	0.339296	0.892221	1.91428	0.810709
BB700	0.0806002	0.0527765	0.219065	1.11688		2.79367	1.67602	2.09997	14.0618	10.9853	1.0763	0.119505	0.826338	0.393585	0.100068	0.517047	2.84462	1.67276	0.307751	0	0.106227	0.0999628	0.350489	0.332712	2.99751	1.36366	1.35216	0.574067	0.568142	0.52328	0.618014
Percpcy5.5	0.252032	0.200395	0	0.97912		2.52792	1.78484	1.82541	14.05	12.3068	1.39176	0	0.443491	0	0.307332	0.508393	1.73831	1.9641	0.0391676	0	0	0.221112	0.331645	1.49507	1.59008	1.90831	0.837368	0.741818	0.594251	1.77566	
BB755	0.083546	0.153869	0	0.654177	0.912572		1.90323	0.572212	6.76297	5.62329	1.08922	0.103308	0	0	0.16826	0.180492	1.77561	3.15575	0.262801	0.144014	0	0	0.302057	0	0.474003	2.86879	2.70232	0.703645	0.361843	0.221338	0.853997
BB790	0.135834	0.169739	0	0.573264	0.535605	3.19914		0.333485	2.38023	2.95758	1.10849	0.025113	0	0	0.130205	0.272013	0.838916	4.21679	0.312742	0	0	0	0.243353	0.125018	0.201499	1.00756	6.17087	0.637492	0.209875	0.141096	0.582636
RB780	0.217009	0.124977	0	0.115189	0.374708	2.21462	0.0011393	1.99404	2.06771	0.495547	0	0	0	0	0.0658099	0.346657	2.30957	0	0	0	0	0	0	0.0458214	0.757195	2.42927	0.207238	0.280568	0	0.417215	
APC	0.154471	0	0	2.90511	1.41666	0.365236	0.772933		15.7041	13.9375	1.29315	0	0	0.235478	0.190199	1.00176	1.04656	0.852184	0	0.195927	0.197127	0	0.24404	0.85482	0.528598	0.658282	0.455909	0.1336	0.452603	2.69769	1.29765
APC R700	0	0	0.0653572	0.238306	0.395045	0.336056	0.427397	0.890275		12.108	1.09548	0.097739	0.473586	0.147246	0	0.147324	0.787877	0.641404	0.0549852	0	0	0.0724559	0	0.403269	0.355064	0.52187	0	0.245297	0.250501	0.680308	
R718	0.0926095	0.0776915	0.604132	0.112467	1.14025	0.781139	3.37391	1.29119		147.882	17.56	0.240849	0	0	0	0.0906544	1.19166	0.772356	0.470032	0.231665	0.103118	0	0	0.10116	2.01202	0.831921	1.27727	0.467257	0.379374	0.118359	7.55574
AF700	0	0.100114	0.960674	0.285256	0.310283	0.280738	0.346524	0.555375	16.2124		1.48799	0.241043	0.990789	0.687086	0.131084	0	0.687318	0.782666	0.0861026	0	0.228416	0.175404	0.203195	0.390253	0.486258	0.677386	0.293293	0.483035	0.301588	0.893082	
APCCy7	0.115532	0.0631738	0.17915	0.794993	0.389733	0.272394	0.850054	0.935189	6.23181	7.09596		0.210572	0.554085	0.342182	0	0.17478	0.372628	1.63091	0.147533	0	0	0.0030935	0.0886859	0.117035	0.419631	1.63968	0	0.325631	0.701649	1.74389	
BUV395	0.14478	0	0.106045	0	0	0	0.0908941	0.19092	0	0.563107	0		1.21861	0	0.280623	0.364803	0.23637	0	0	0	0	0	0.106195	0.15756	0.0992264	0.469327	0.349723	0.810157	0.630283	0.162107	0
BUV496	0.50399	0.408793	0.966685	0	0	0.234559	0	0.388484	0	2.29093	0	0.405754		1.98033	1.19021	0.391057	0.720419	0.270223	0.573002	0.227215	1.17565	0	0.980686	0.301609	0.387664	0	0	3.12979	2.06462	0	0
BUV563	0	0.618523	2.42796	2.24813	0.9249	0.634083	0.678193	1.51612	4.20094	3.87473	0.208293	0.842591	0		2.07342	1.23434	0.845178	1.18104	0.456238	0	0	0.800892	1.50515	0.374646	0.227863	0.356369	0	8.74035	5.42284	1.32733	0.679709
BUV615	0.163084	0.179351	4.22675	3.11674	1.3961	0.784504	0.796627	2.62072	5.57995	9.07503	0.389224	0.286176	0.937686	0		2.52106	2.34975	2.86587	0.730317	0	0	0	1.18892	0.700771	0.60872	0.479116	0.526397	3.33302	8.14576	3.16582	1.48769
BUV661	0.117336	0.0534477	0.632568	2.28654	1.37796	0.786555	0.842661	5.91349	19.8428	15.8282	1.19782	0.394014	1.15823	0.760515	0.404896		2.97145	2.56711	0.157387	0	0.259892	0.201246	0.882326	0.816955	0.724629	0.718227	0.834045	1.14034	2.46775	1.43512	
BUV737	0.14228	0.0447515	0.73825	0.329746	0.801201	1.57121	1.0052	0.372134	13.0182	15.1185	1.37328	0.387083	0.425399	0.499919	0.0600388	0.117417		3.25823	0.222949	0	0	0.201951	0.1802	0.223619	0.17943	0.771684	1.05161	0.813803	0.754348	0	0.661585
BUV805	0.0986798	0.0402489	0.95701	0.10191	0.16414	0.149984	0.287559	0.0570157	0.66024	0.335722	0.97689	0.159647	0.830205	0.74336	0.237993	0.0739676	0.178204		0	0	0.0637071	0.0788212	0.210684	0.140627	0.117848	0.727718	0.586228	0.218969	0.0846542	0.256015	
BV421	0.0942141	0.12658	1.23588	0.181379	0.251602	0.188915	0	0.254922	0	0.405509	0	0.16351	1.50988	0.9852	0.187778	0.0800221	0.42646	0		1.01264	0.889676	0.496014	0.295061	0.24101	0.290019	0.327818	0.29912	1.78443	0.697989	0	0
BV480	0.651766	0.224732	1.83998	0.686664	0.264585	0	0.442308	0.397066	2.00277	0.418138	0	0.422066	1.12403	1.48167	0.851993	0.667894	0.448577	0	0.814501		2.26993	1.86357	1.44548	0.810564	0.303254	0.343824	0.269277	3.3814	1.51479	0.139475	0
BV510	0.250572	0.308422	1.57844	0.901941	0.54246	0.259723	0.317657	1.17627	5.33437	3.17258	0	0	0	0	1.40381	1.47722	1.47153	1.77027	1.01064	1.72938		2.0907	2.63788	1.88522	1.22063	0.907475	1.26239	5.4029	3.06192	0.561275	0.419705
BV570	0	0.0239839	3.05162	3.11319	1.48417	0.892795	0.741514	2.17581	4.54534	2.57648	0.741726	0	0	0	2.38183	2.04907	1.58143	1.22401	2.11905	0	0		3.90031	1.52698	0.890567	1.45812	7.1501	6.35748	3.05168	0.747388	
BV605	0	0	2.65638	3.27413	1.67837	0.810039	1.13155	1.91521	8.4301	6.6123	0.0120796	0.598059	1.40643	0	2.43668	2.37153	2.22322	2.26568	0.745927	0	0	1.30343		2.16625	2.4335	2.41691	1.94788	5.1497	5.82278	3.86586	1.78082
BV650	0.198345	0.216025	1.59188	2.15158	0.998075	0.759177	0.67114	3.78653	15.4596	12.795	0.854771	0	2.26443	1.52741	0.816806	4.1065	2.83217	2.74307	1.29216	0	0.350355	0	1.15393		2.39104	2.45493	2.77158	1.80504	2.00047	2.75312	1.23688
BV711	0.130842	0	0.940962	0.414111	1.4959	1.56365	0.763706	1.2059	31.7108	23.9542	1.8487	0.189563	2.16055	1.22	0.212457	0.12767	6.95022	3.47514	0.671208	0	0.230585	0	0	0		2.98471	3.83895	0.791256	0.676752	0.279075	1.38351
BV750	0.0695479	0.0039619	0.563621	0.214776	0.296843	1.26002	0.627388	0.161729	7.71856	6.8633	1.48046	0	1.39546	1.05367	0.23561	0.263888	3.84332	4.1035	0.510116	0	0.413381	0	0.156942	0.213773	0.780041		4.11943	0.636535	0.544232	0	0.446854
BV786	0.186257	0.100476	0.378419	0	0.160771	0.360234	0.49588	0.220222	2.7811	2.3052	1.2484	0	0.240363	0	0.0916974	0	0.929131	6.97228	0.567435	0.141889	0.173091	0	0	0.184832	1.39184		4.11943	0.636535	0.544232	0	0.446854
PE	0.13137	0.176415	2.63279	2.15731	1.09559	0.720286	0.49337	1.08412	1.96806	1.28143	0.130313	0	0.55996	1.13053	0.655856	0.506791	0.415536	0.297474	0.608125	0	0.0737147	1.3524	1.31633	0.713718	0.350319	0.39287	0.399912		3.0927	1.33339	0.661489
RY586	0	0.056207	1.88085	1.64198	0.842126	0.271877	0.41948	0.542597	1.39484	0.401402	0	0.0293199	0	0	0.206106	0.184561	0.227823	0.156125	0	0	0	0.176511	0.58205	0.271801	0.142204	0.0603134	0.189006		4.64887	1.64351	0.778031
PECFS94	0.107174	0.109804	3.26729	2.39608	1.71155	1.22768	0.873996	1.16657	2.34677	1.94098	0.0812584	0	0.404095	0.106813	0.685496	0.650807	0.526016	0.393415	0.20612	0	0.269474	1.6529	0.773446	0.543346	0.482159	0.					

Fluors with primary UV (349 nm) excitation

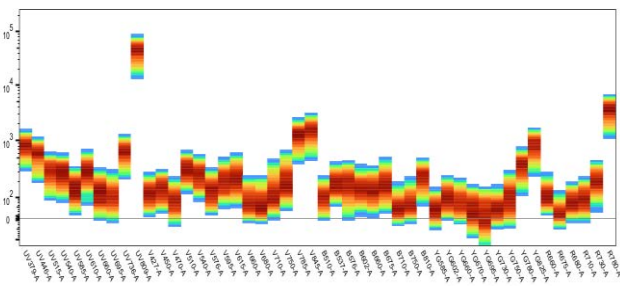
BUV395



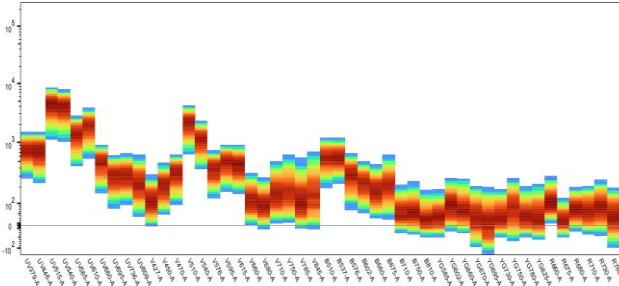
BUV615



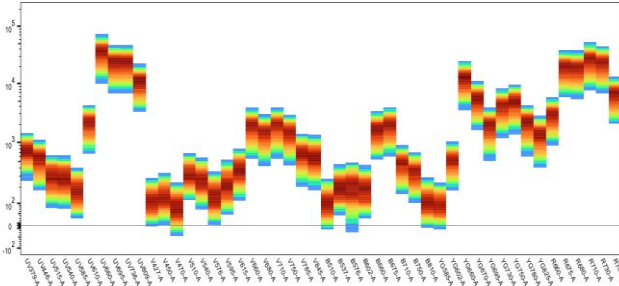
BUV805



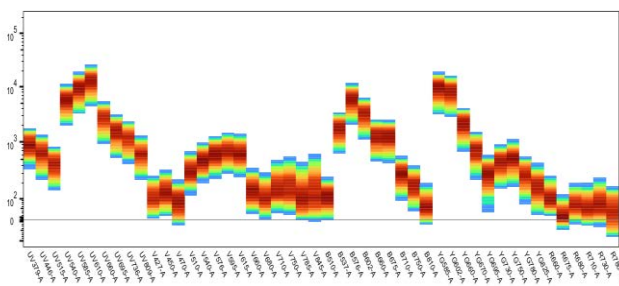
BUV496



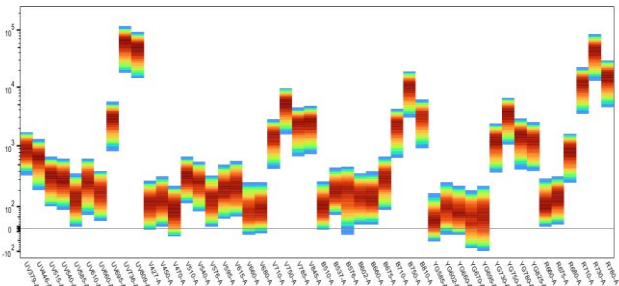
BUV661



BUV563

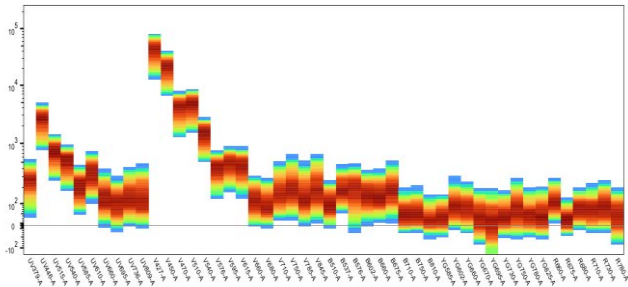


BUV737

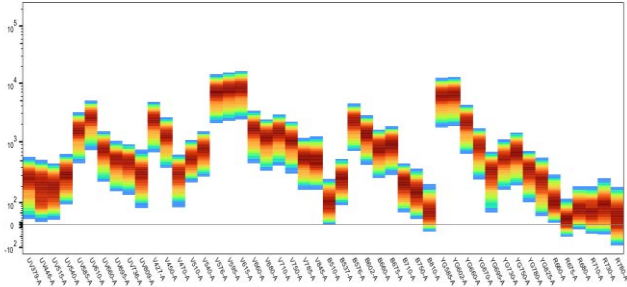


Fluors with primary **Violet (405 nm)** excitation

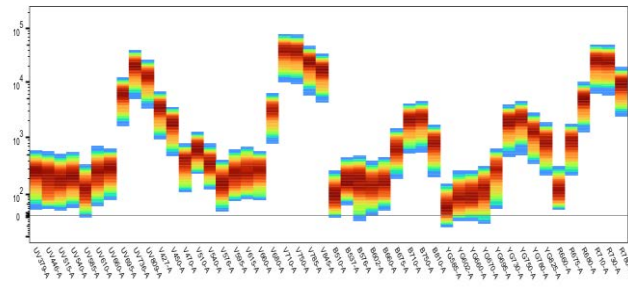
BV421



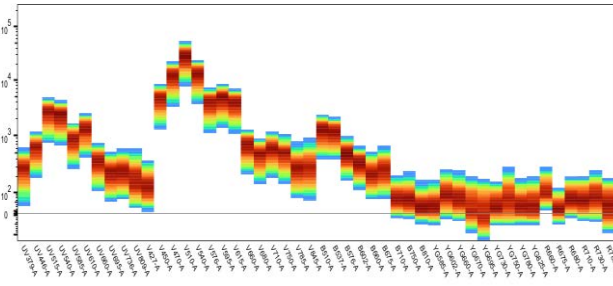
BV570



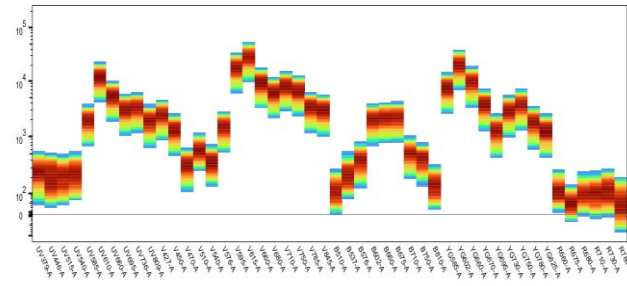
BV711



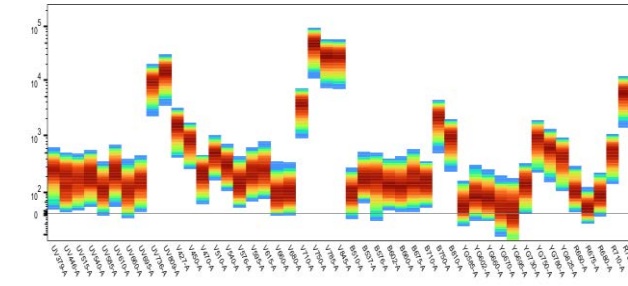
BV480



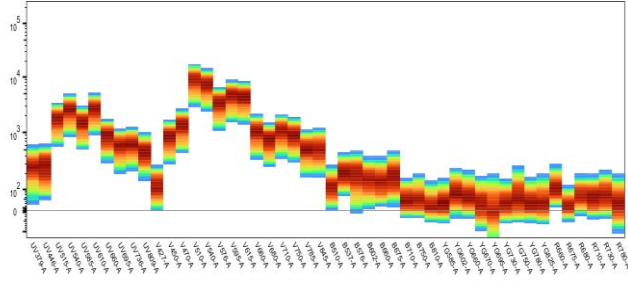
BV605



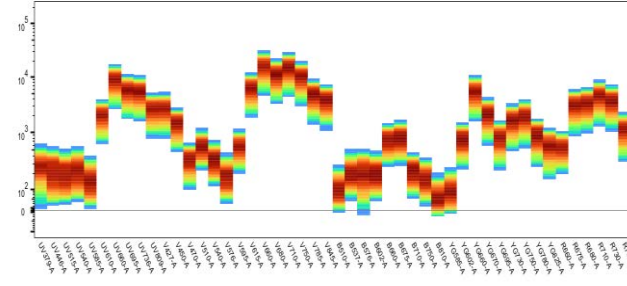
BV750



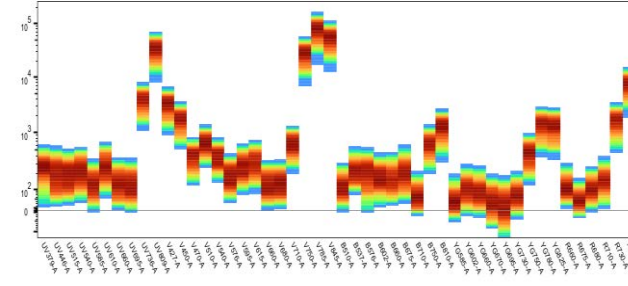
BV510



BV650

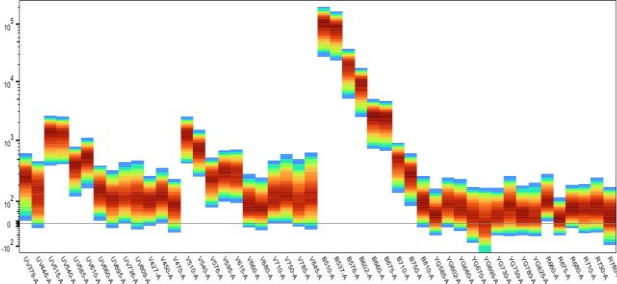


BV786

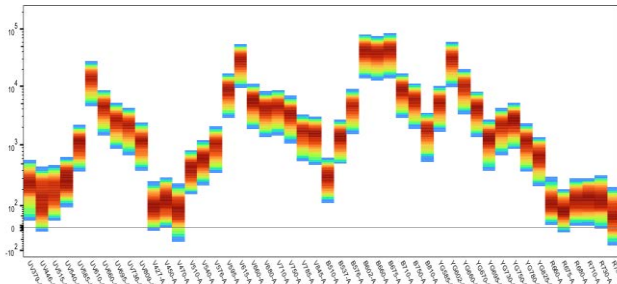


Fluors with primary **Blue (488 nm)** excitation

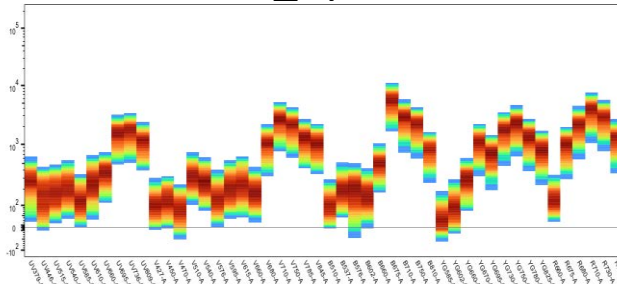
BB515



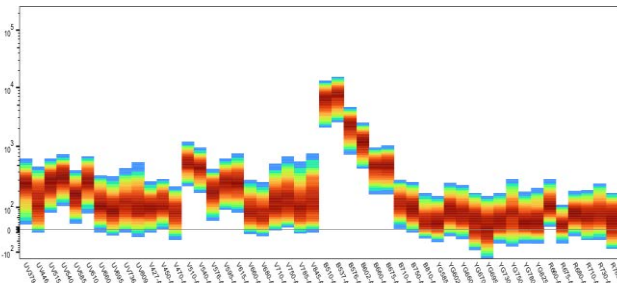
BB630



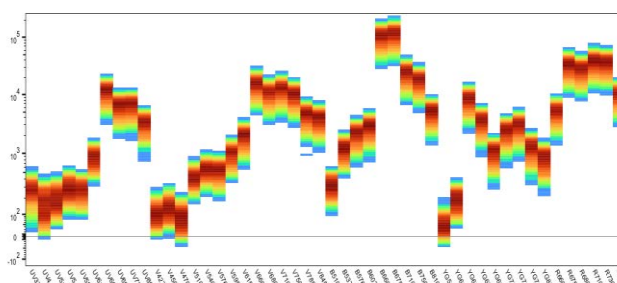
PerCP_Cy5.5



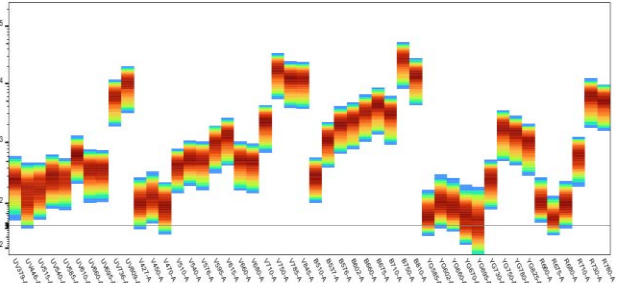
FITC



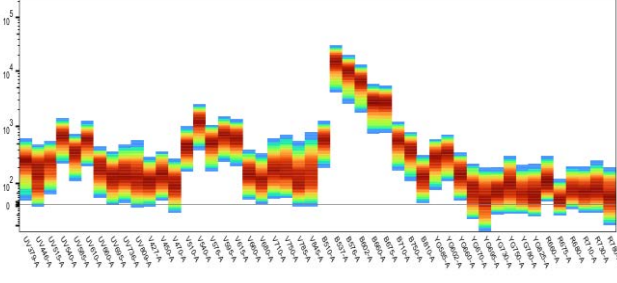
BB660



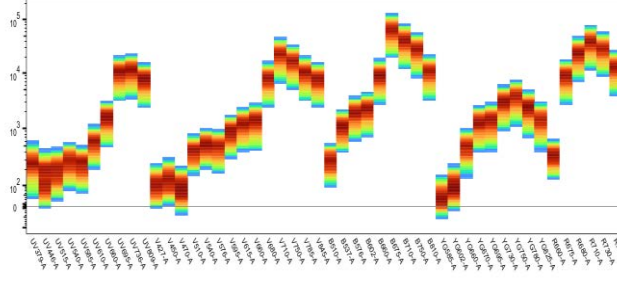
BB755



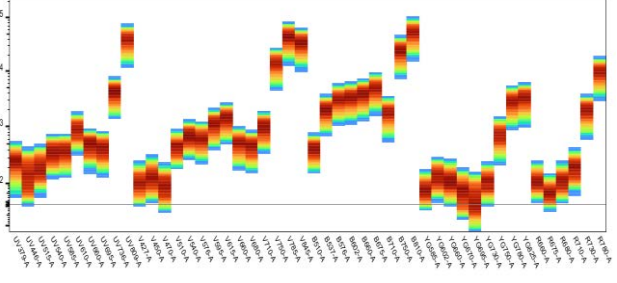
RB545



BB700

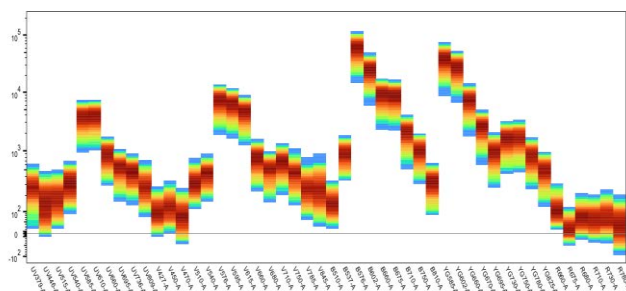


BB790

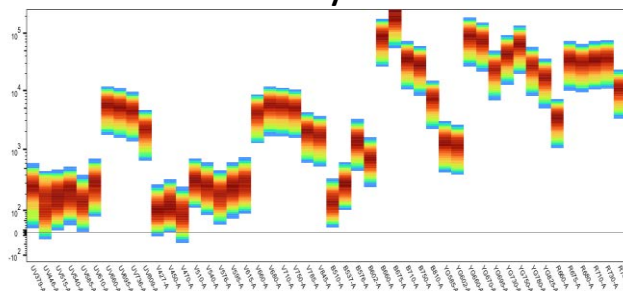


Fluors with primary Yellow-Green (561 nm) excitation

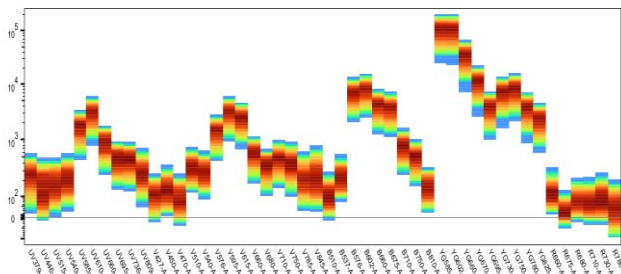
PE



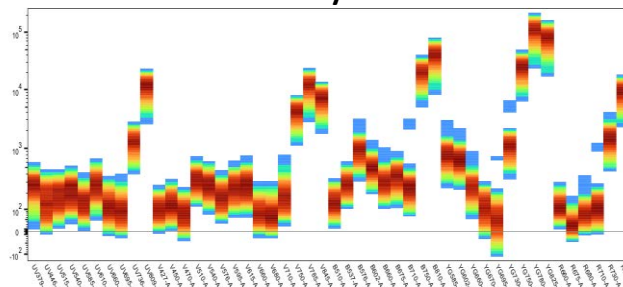
PE-Cy5



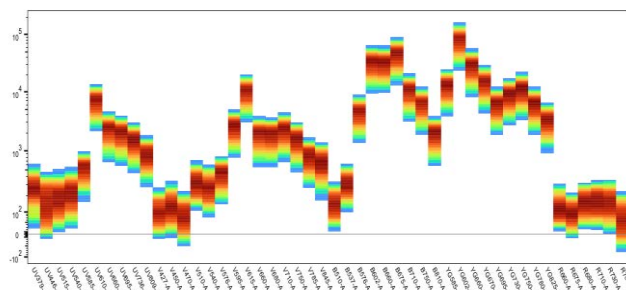
RY586



PE-Cy7

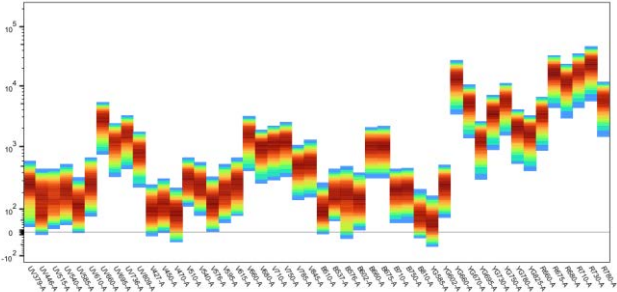


PE-CF594

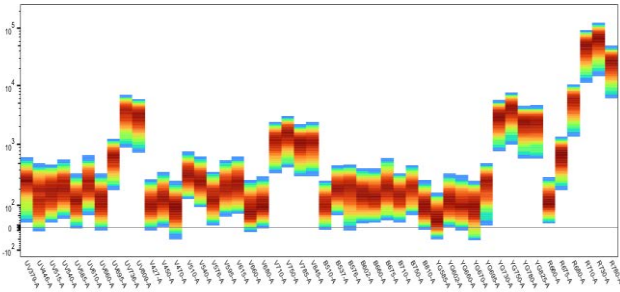


Fluors with primary **Red (537 nm)** excitation

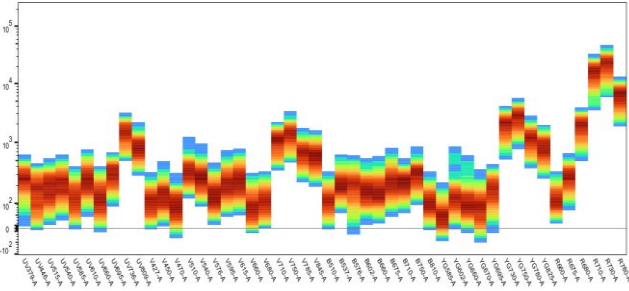
APC



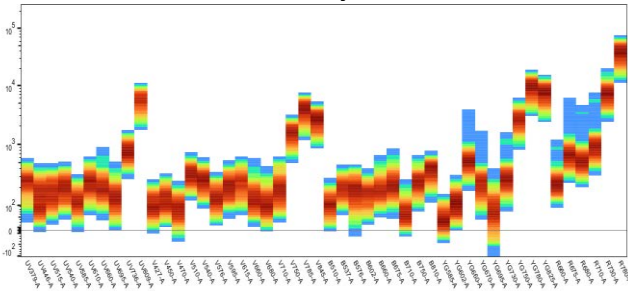
R718



AF700



APC-Cy7



APC-R700

