

Symphony A5SE: Laser and filter configuration



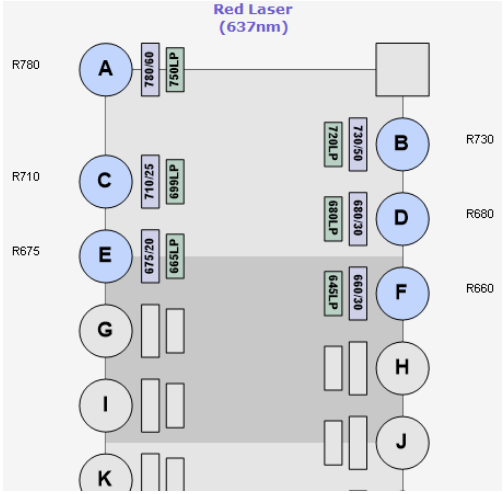
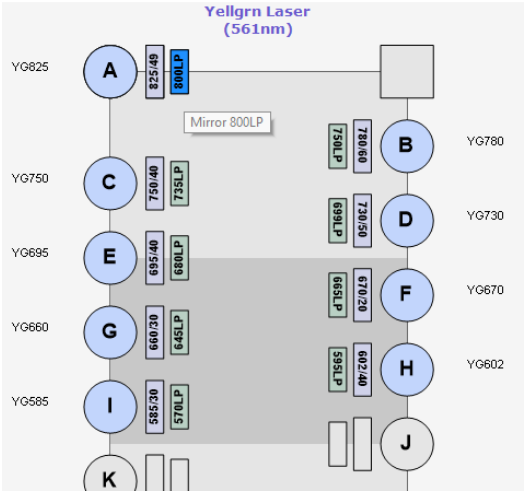
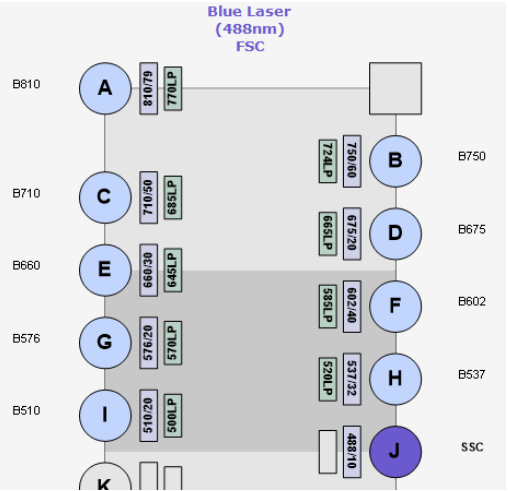
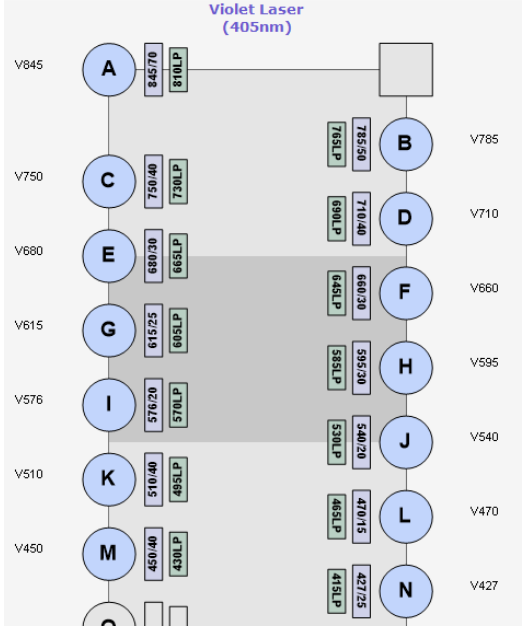
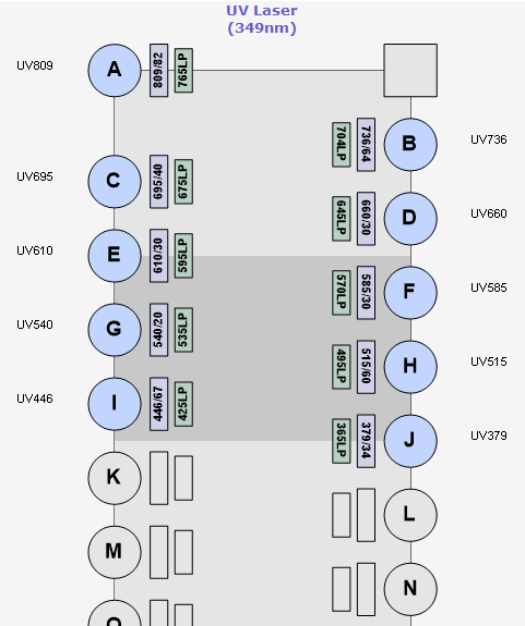
Symphony A5SE

| Laser | LP | BP | Parameter | Peak channel | Laser | LP | BP | Parameter | Peak channel |
|-----------------|--------|--------|--------------------------------------|---------------------------------|------------------|--------|--------|--|------------------------------------|
| 349 nm 60 mW | 365 LP | 379/34 | UV379 | BUV395, Indo-1 (Ca2+ bound) | 488 nm 150 mW | 500 LP | 510/20 | B510 | FITC, BB515, GFP |
| | 425 LP | 446/67 | UV446 | DAPI, Live/Dead blue, Zombie UV | | 520 LP | 537/32 | B537 | AF488, YFP, mVenus, Spark blue 550 |
| | 495 LP | 515/60 | UV515 | BUV496, Live/dead aqua, Indo-1 | | 570 LP | 576/20 | B576 | |
| | 535 LP | 540/20 | UV540 | | | 585 LP | 602/40 | B602 | BB630 |
| | 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 |
| | 675 LP | 695/40 | UV695 | | | 724 LP | 750/60 | B750 | BB755 |
| | 704 LP | 736/64 | UV736 | BUV737 | | 770 LP | 810/79 | B810 | BB790 |
| 765 LP | 809/82 | UV809 | BUV805 | 561 nm 150 mW | 570 LP | 585/30 | YG585 | PE, TdTomato, DsRed | |
| 415 LP | 427/25 | V427 | BV421 | | 595 LP | 602/40 | YG602 | PE-CF594, PE-Dazzle594, PE-e610, PI, mCherry | |
| 430 LP | 450/40 | V450 | Pacific blue, eFluor 450, SB436, BFP | | 645 LP | 660/30 | YG660 | PE-Cy5, 7-AAD | |
| 465 LP | 470/15 | V470 | BV480 | | 665 LP | 670/20 | YG670 | | |
| 495 LP | 510/40 | V510 | Horizon V500 | | 680 LP | 695/40 | YG695 | PE-Cy5.5 | |
| 530 LP | 540/20 | V540 | BV510 | | 699 LP | 730/50 | YG730 | | |
| 570 LP | 576/20 | V576 | BV570 | | 735 LP | 750/40 | YG750 | | |
| 585 LP | 595/30 | V595 | BV605, SB600 | | 750 LP | 780/60 | YG780 | PE-Cy7 | |
| 605 LP | 615/25 | V615 | | | 800 LP | 825/49 | YG825 | PE-Fire810 | |
| 645 LP | 660/30 | V660 | BV650, SB645 | | 637 nm 140 mW | 645 LP | 660/30 | R660 | APC, TO-PRO-3 |
| 665 LP | 680/30 | V680 | | 665 LP | | 675/20 | R675 | AF647, DRAQ-7 | |
| 690 LP | 710/40 | V710 | BV711, SB702 | 680 LP | | 680/30 | R680 | DRAQ-5 | |
| 730 LP | 750/40 | V750 | BV750 | 699 LP | | 710/25 | R710 | AF700, APC-R700 | |
| 765 LP | 785/50 | V785 | BV786, SB780 | 720 LP | | 730/50 | R730 | | |
| 810 LP | 845/70 | V845 | | 750 LP | | 780/60 | R780 | APC-Cy7, APC-H7, APC-e780, Live/Dead NIR | |

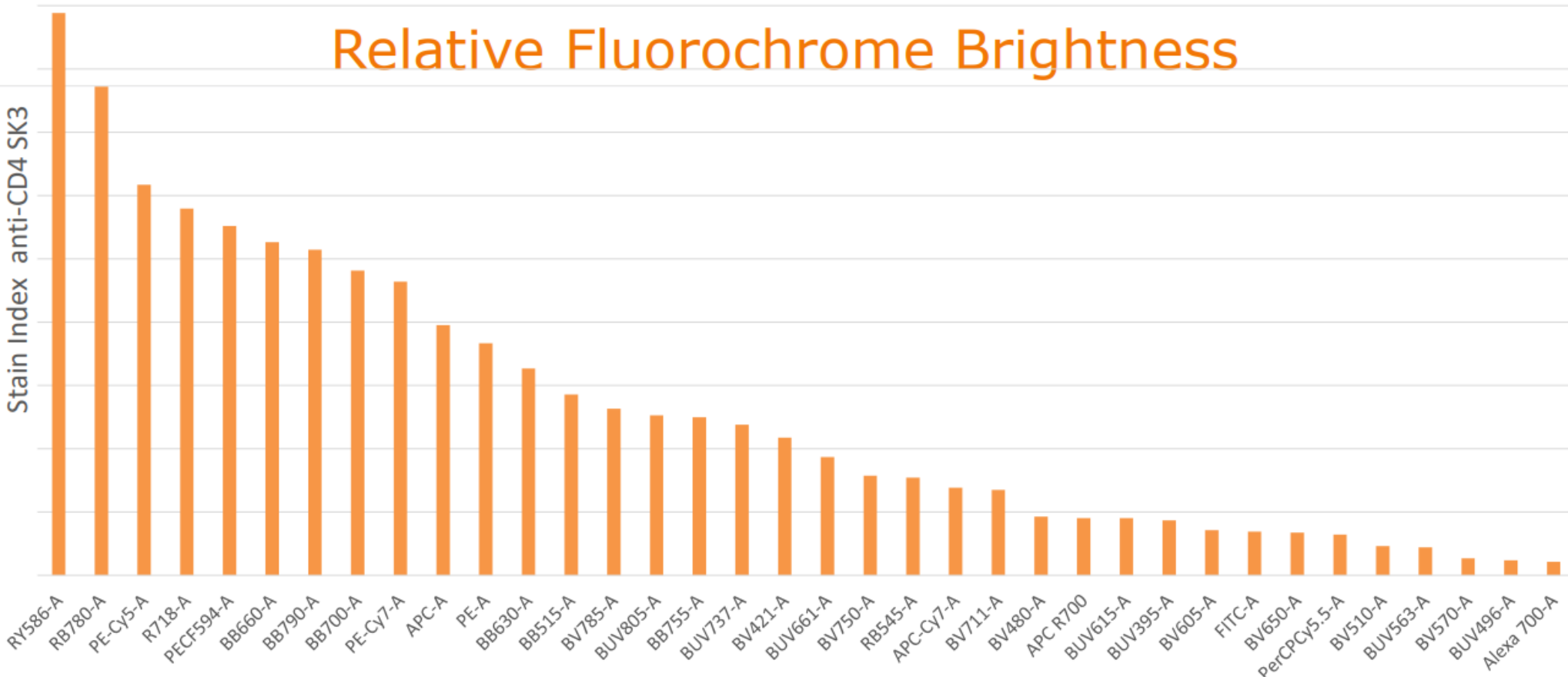
*PI and/or 7-AAD may be problematic depending on the panel

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

Symphony A5SE: Laser and filter configuration diagram

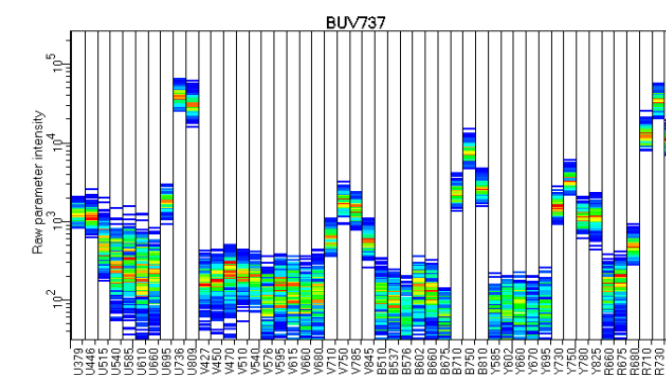
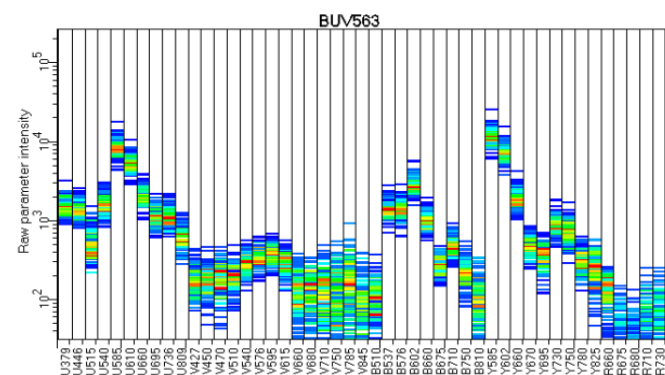
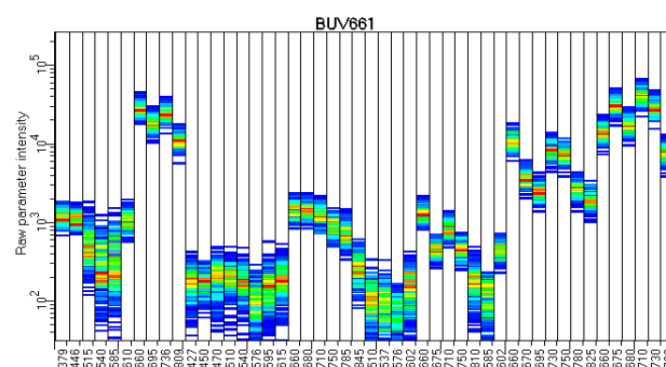
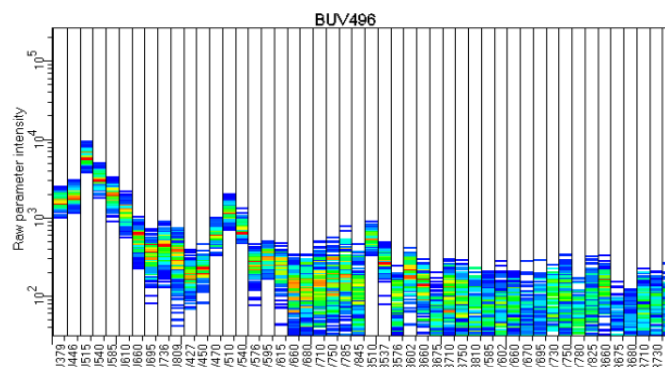
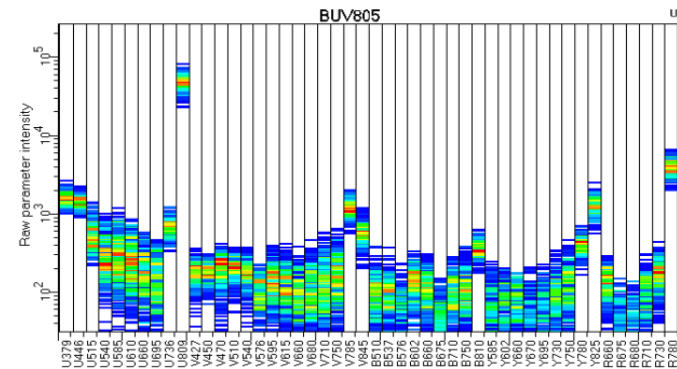
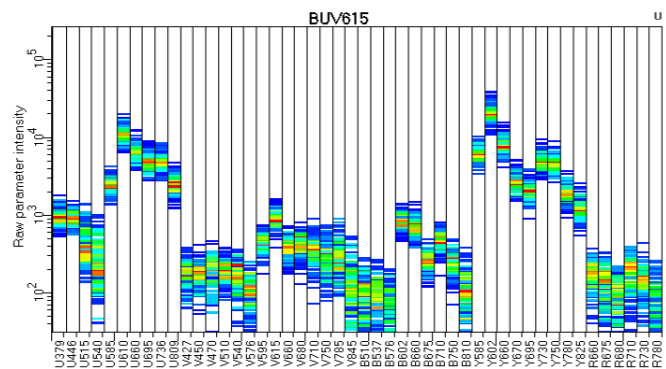
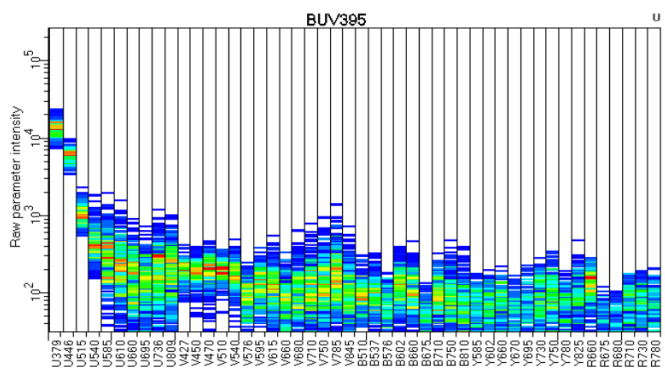


Symphony A5SE: Ranking of fluorochrome brightness

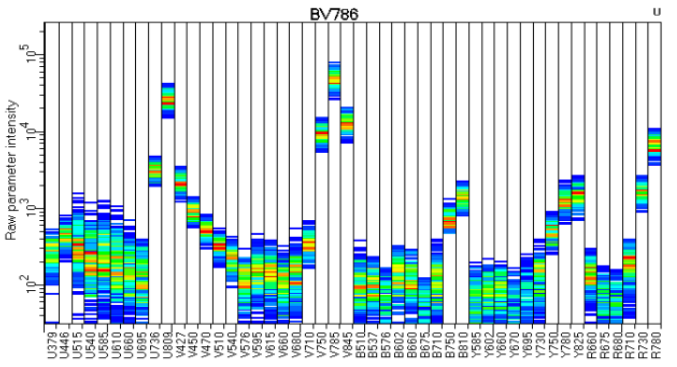
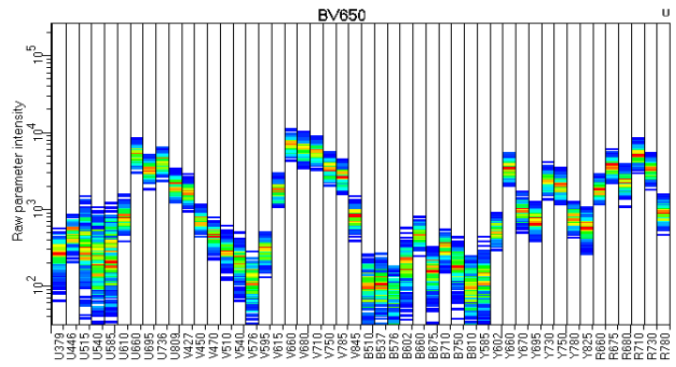
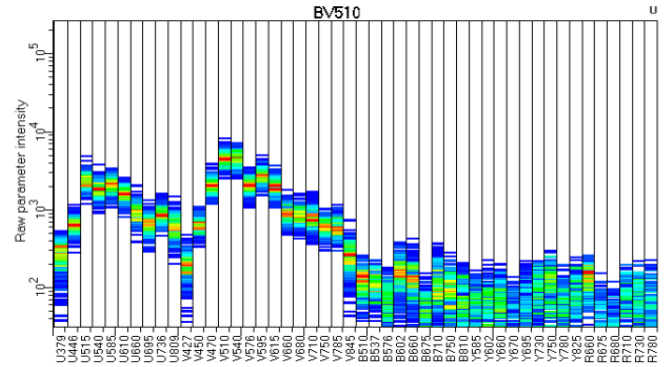
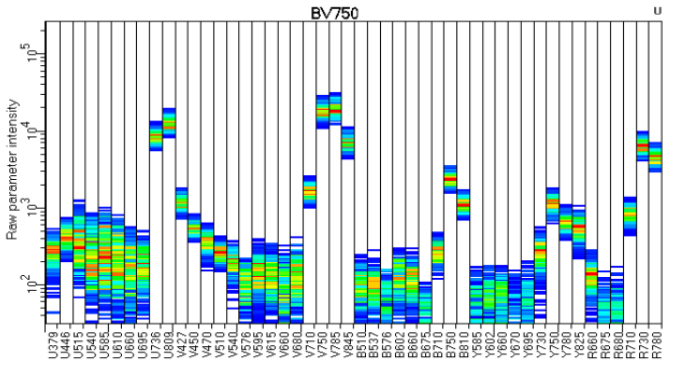
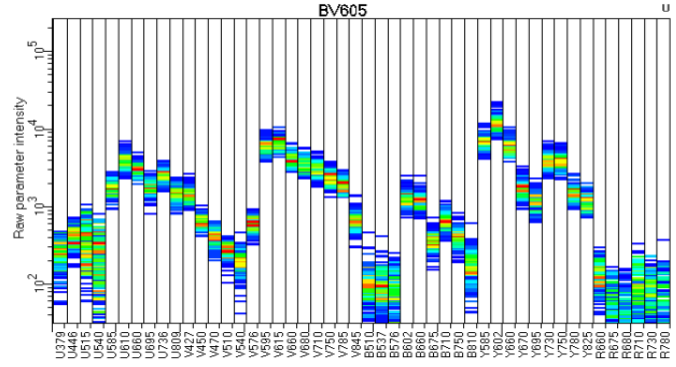
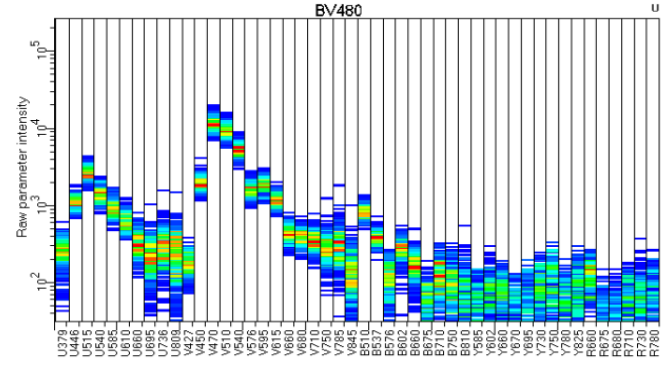
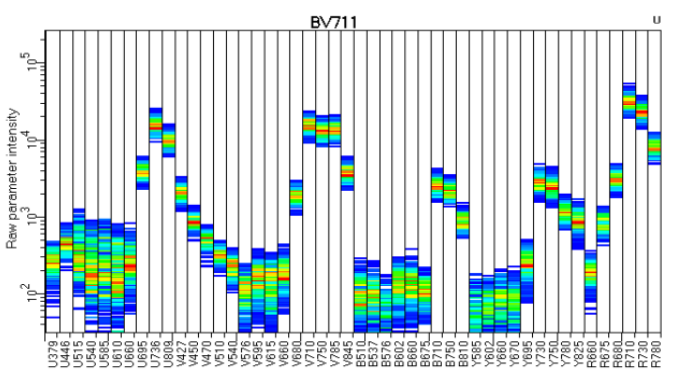
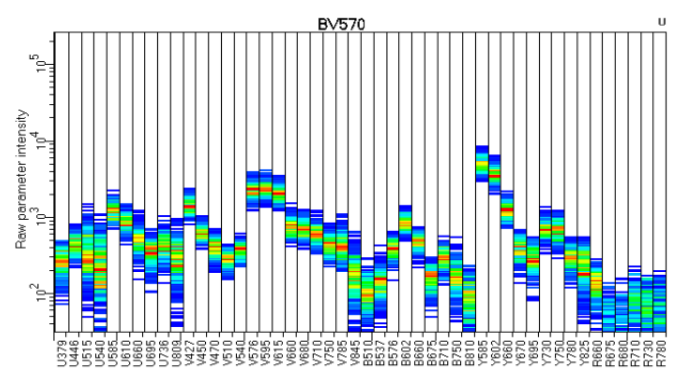
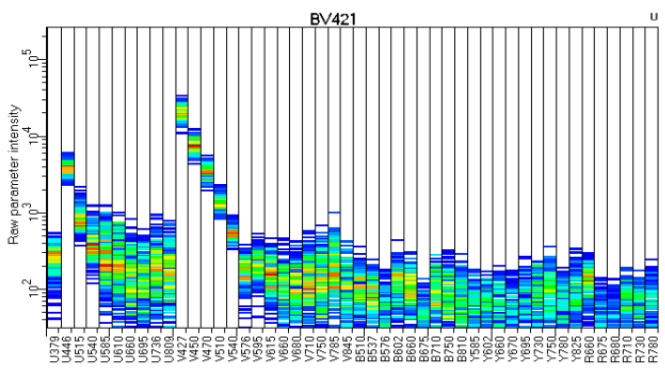


Stain indices and spread matrices were calculated by staining human PBMCs with anti-human CD4 (SK3 clone) conjugated to each of the fluors indicated at the optimal voltage settings in spectral mode. Voltage settings were optimized by voltration of unstained PBMCs.

Fluors with primary UV (349 nm) excitation

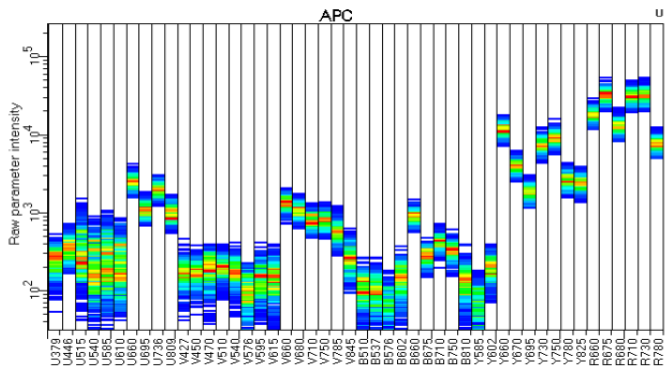


Fluors with primary Violet (405 nm) excitation

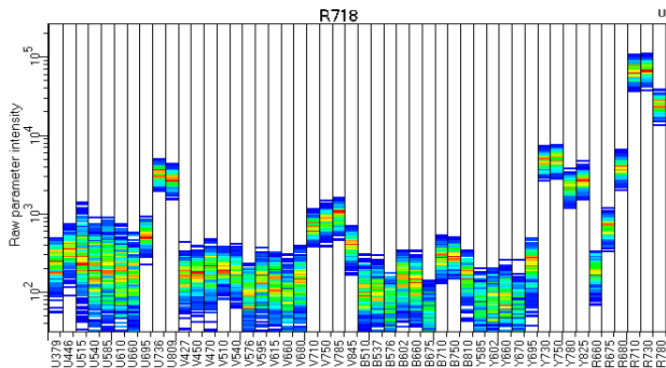


Fluors with primary **Red (537 nm)** excitation

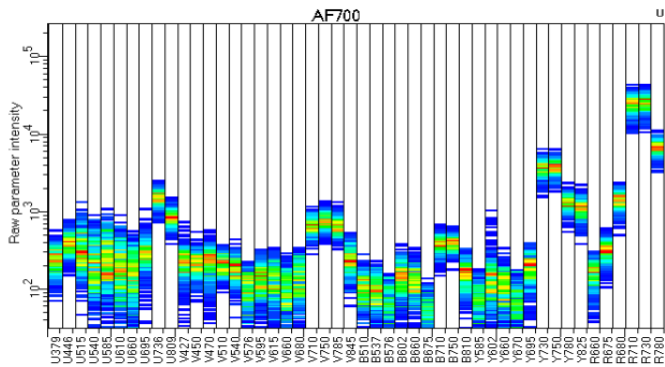
APC



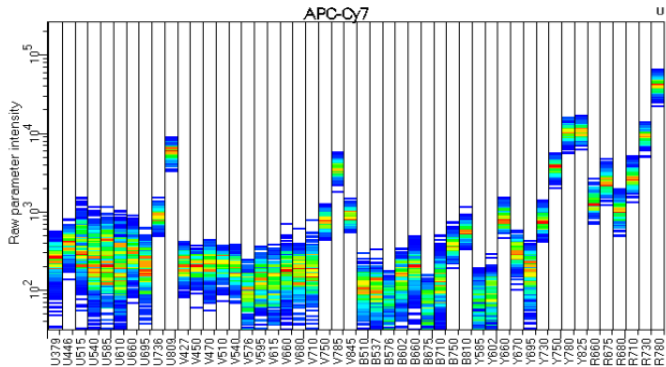
R718



AF700



APC-Q7



APC-R700

