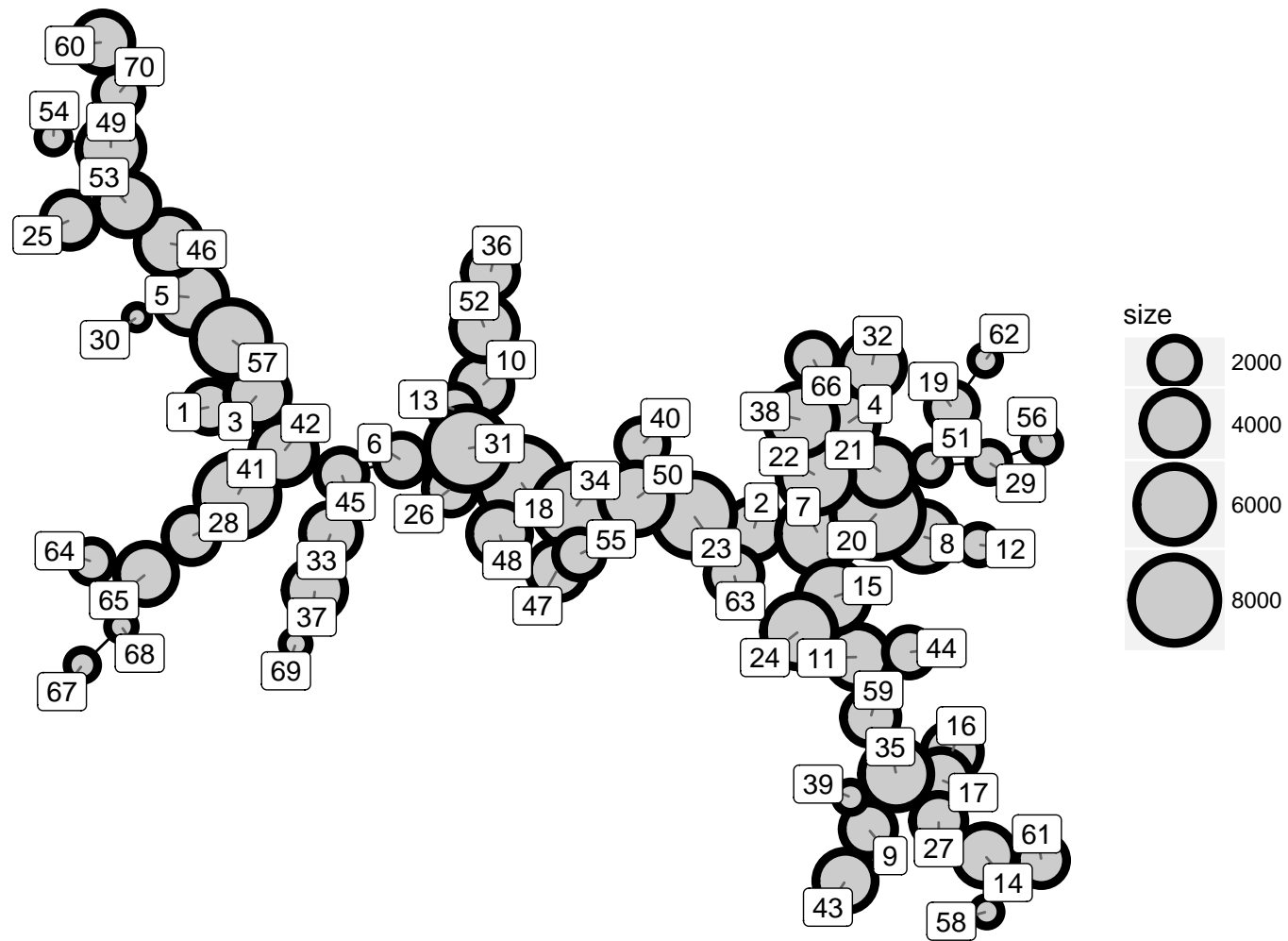
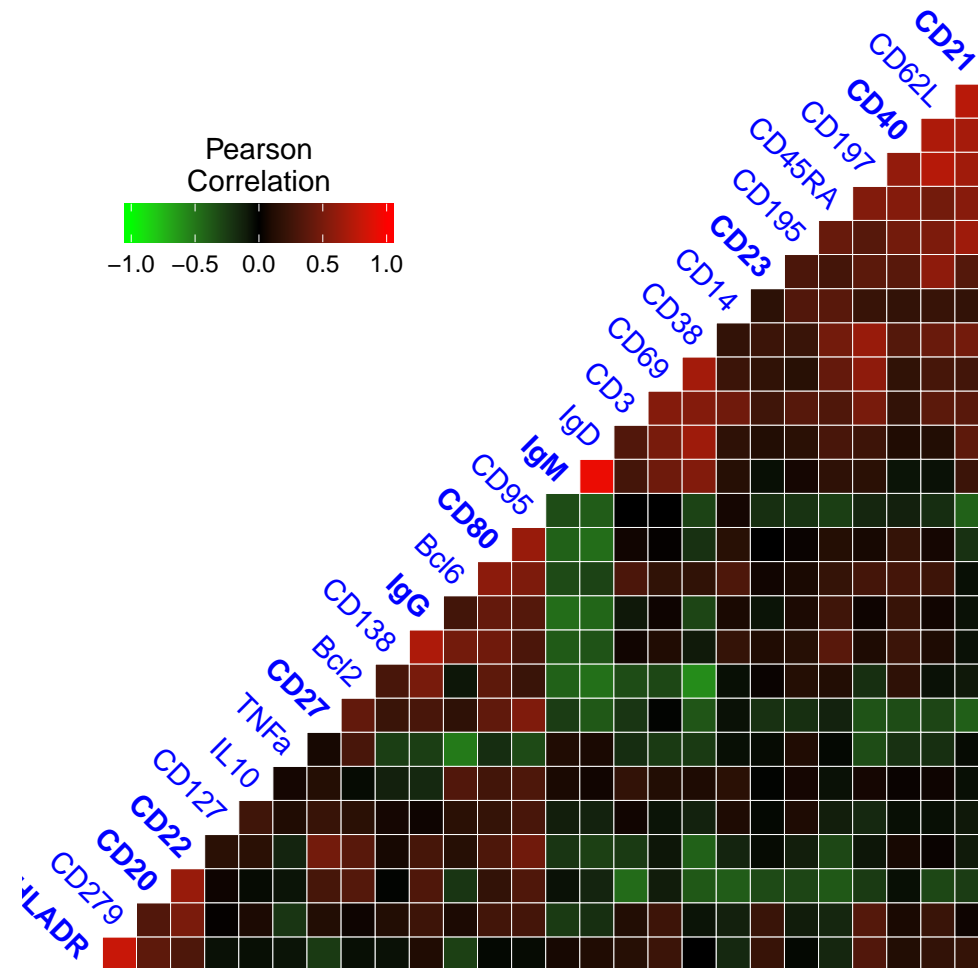


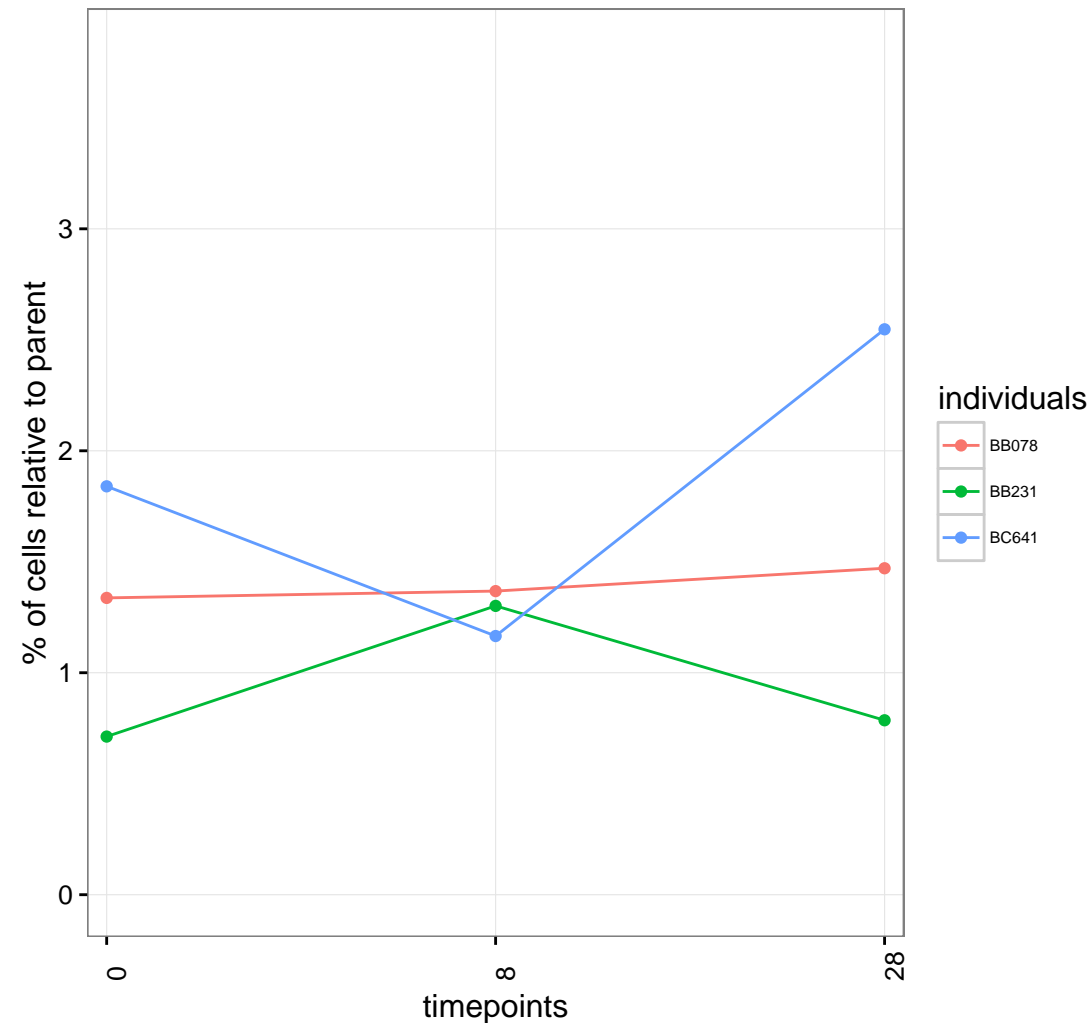
Tree Viewer (231 458 cells)



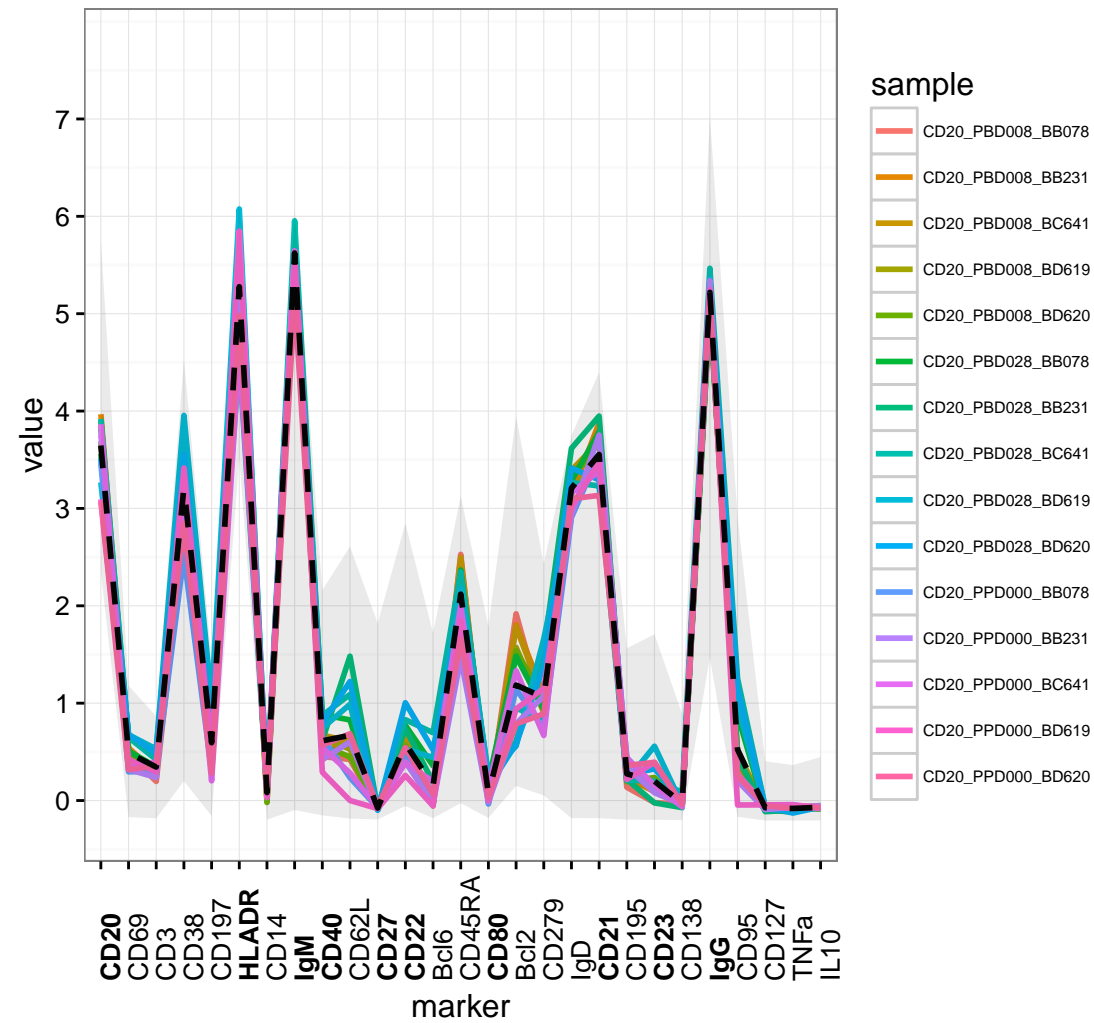
Distogram of marker phenotypes correlations



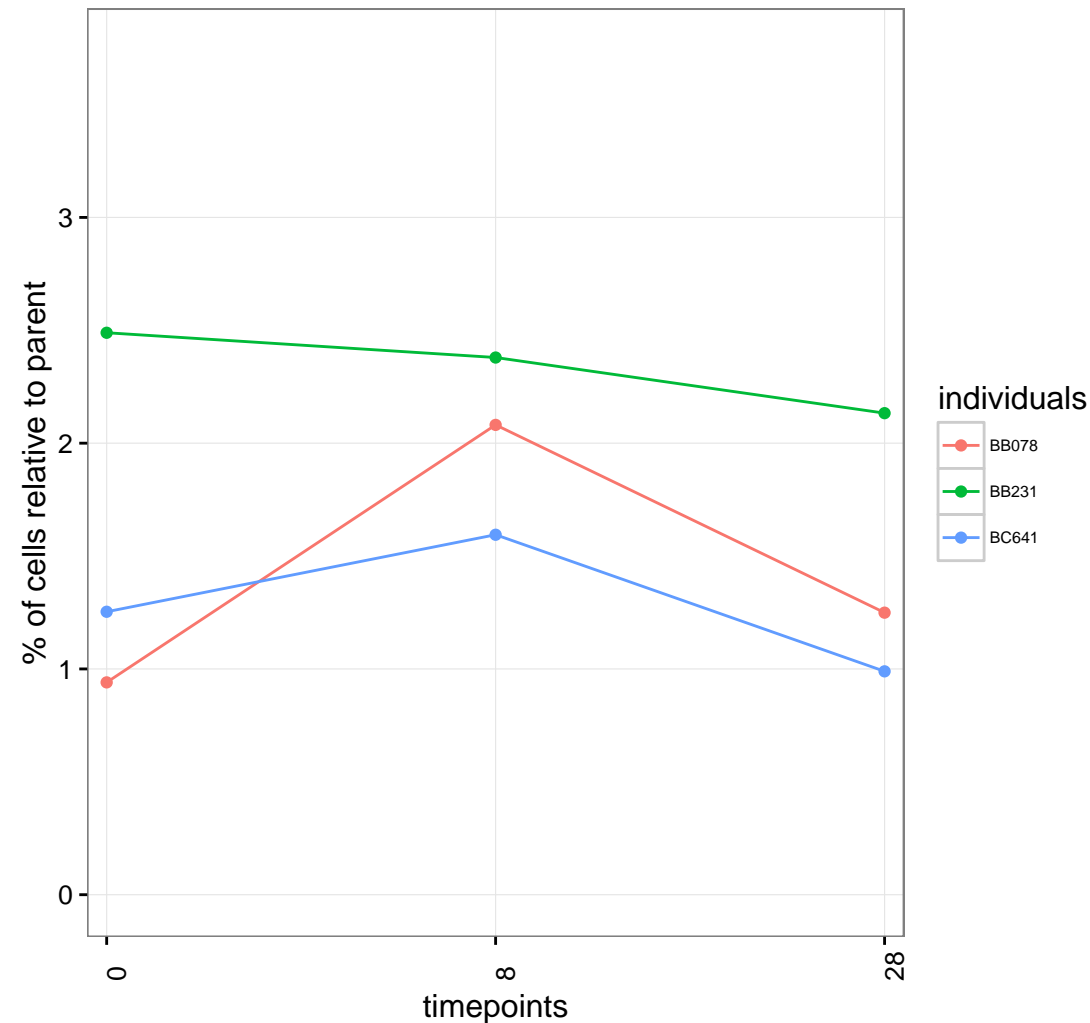
Kinetics Viewer – cluster 1 (1 173 cells)



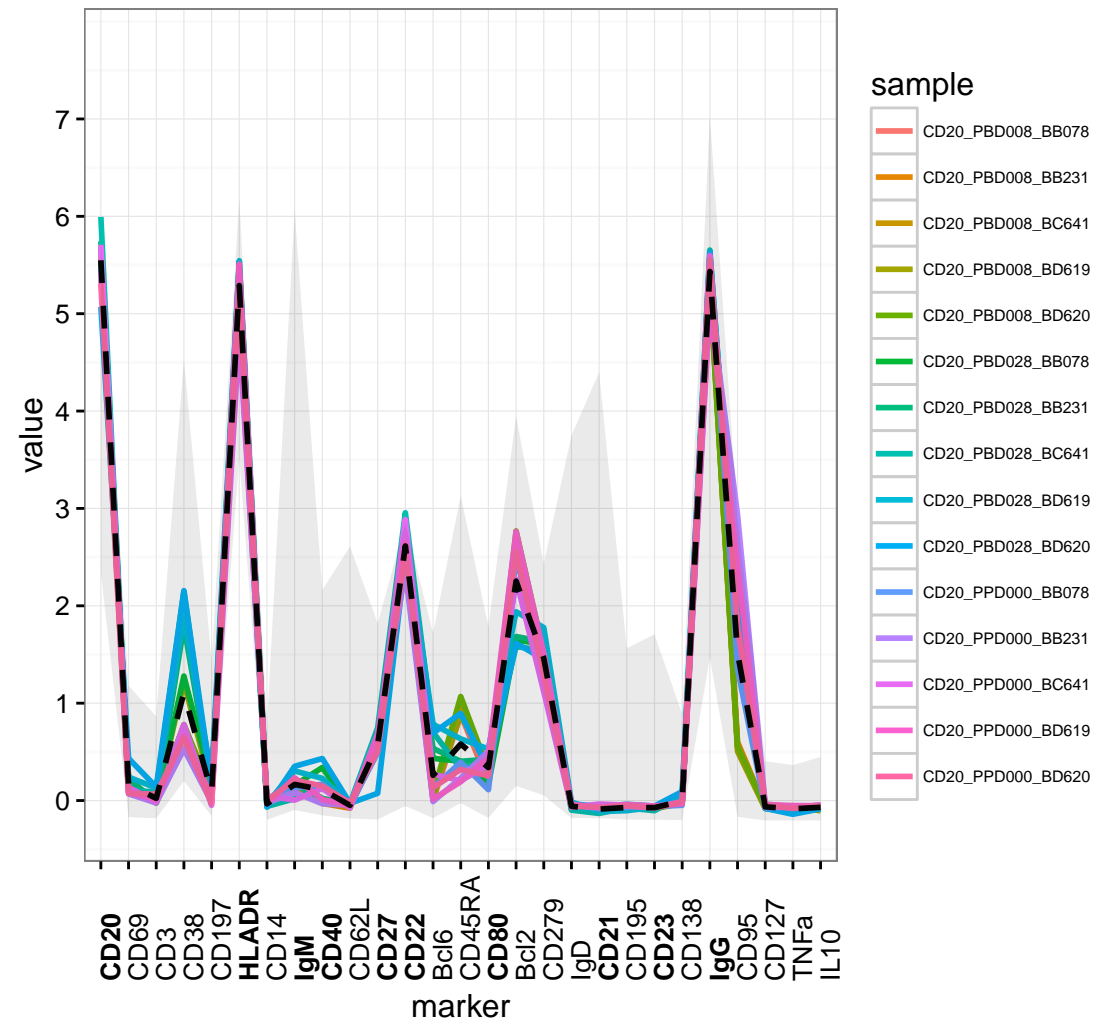
Pheno Viewer – cluster 1 (2 303 cells)



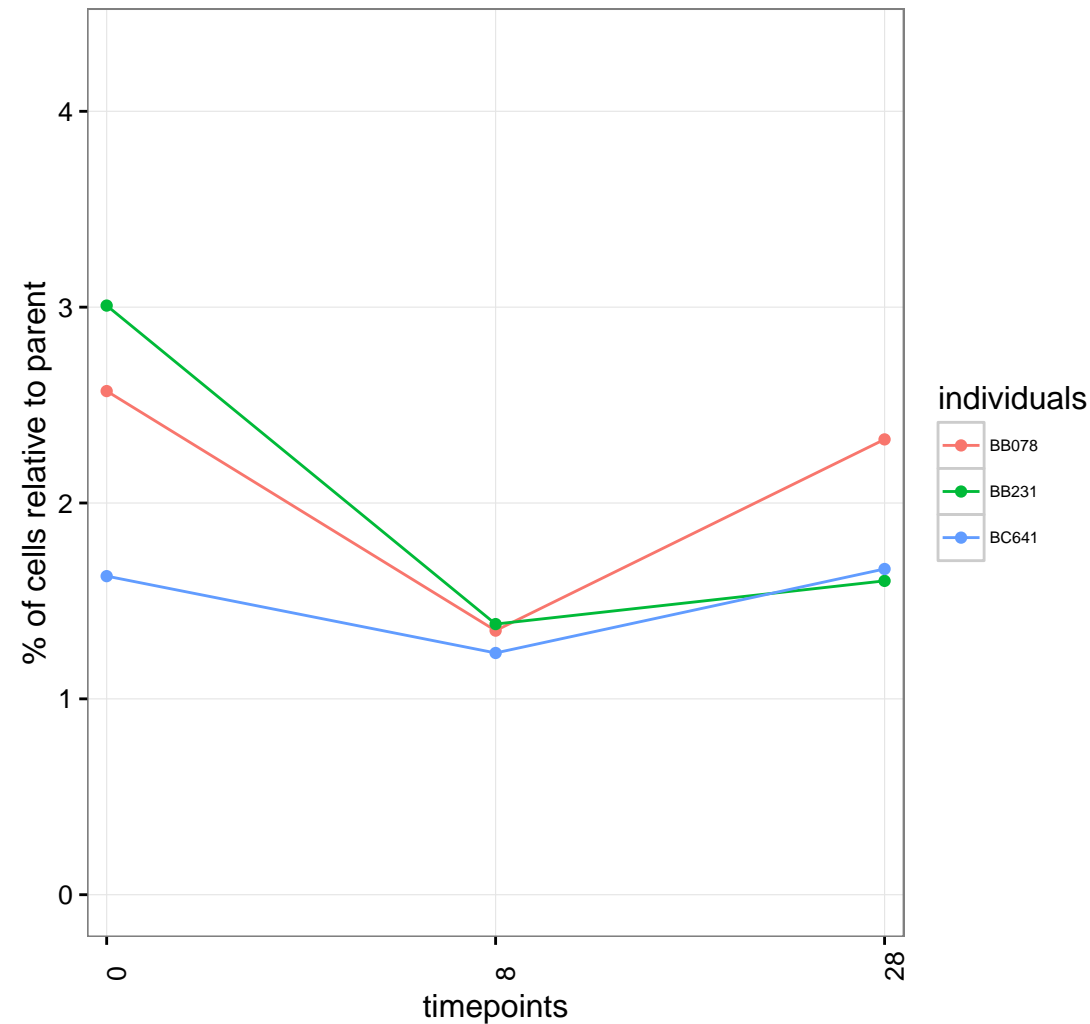
Kinetics Viewer – cluster 2 (1 735 cells)



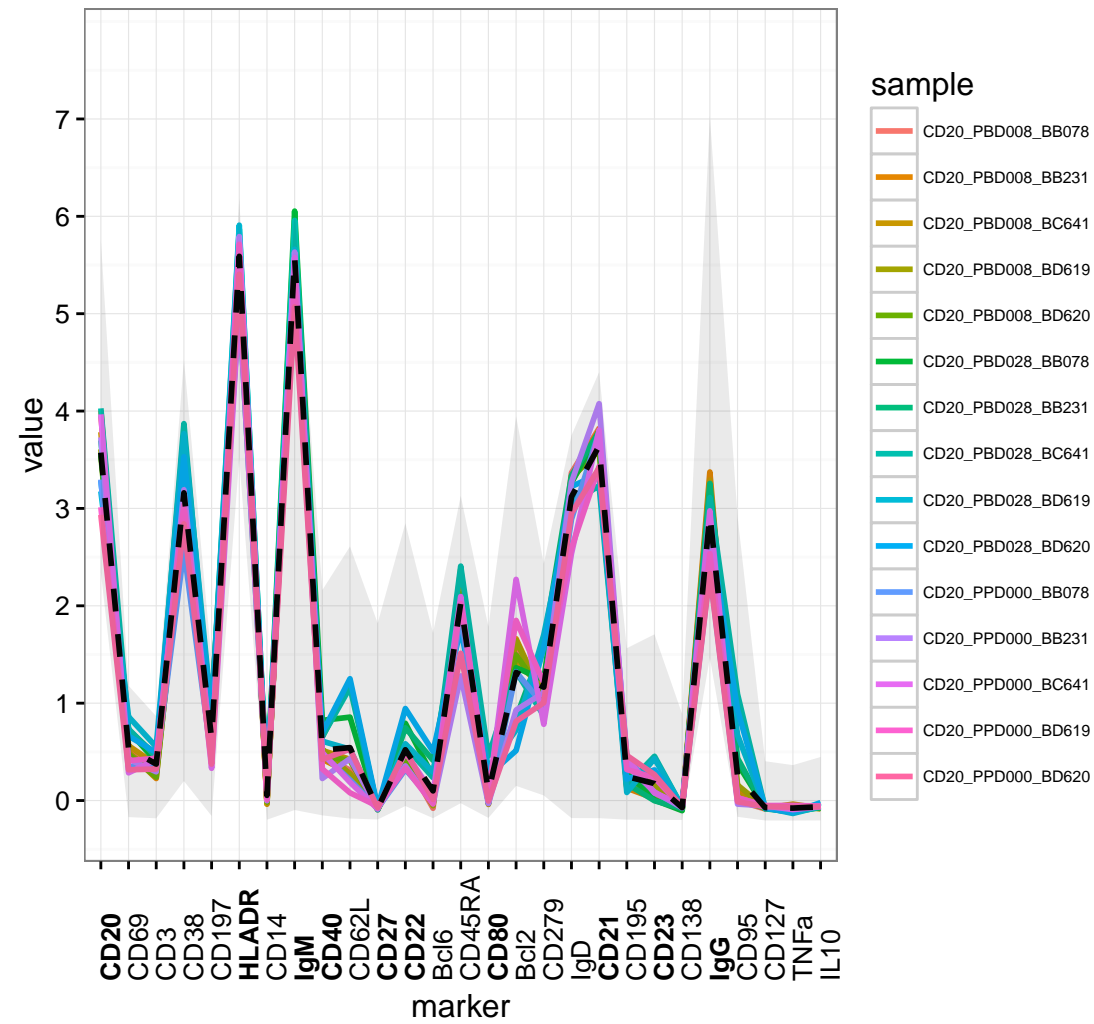
Pheno Viewer – cluster 2 (3 221 cells)



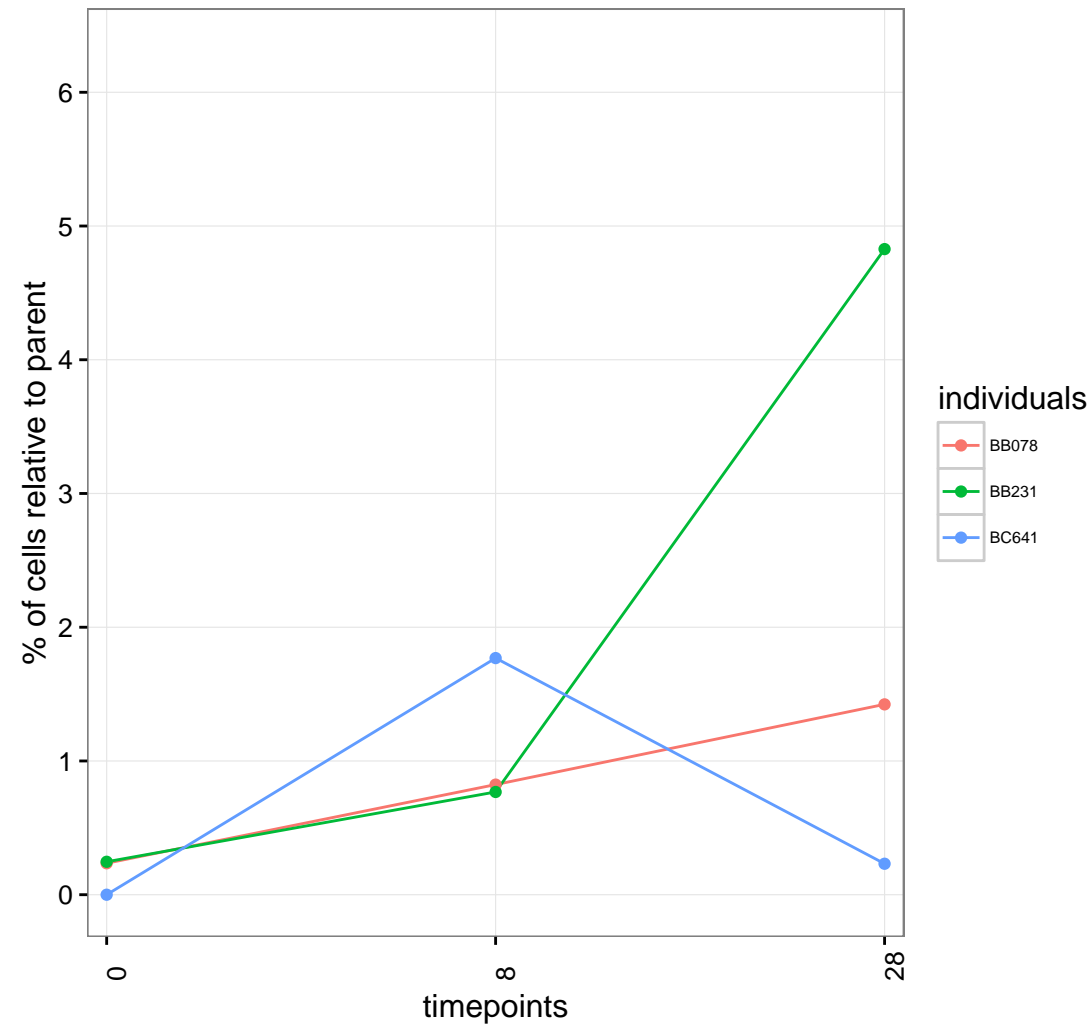
Kinetics Viewer – cluster 3 (1 625 cells)



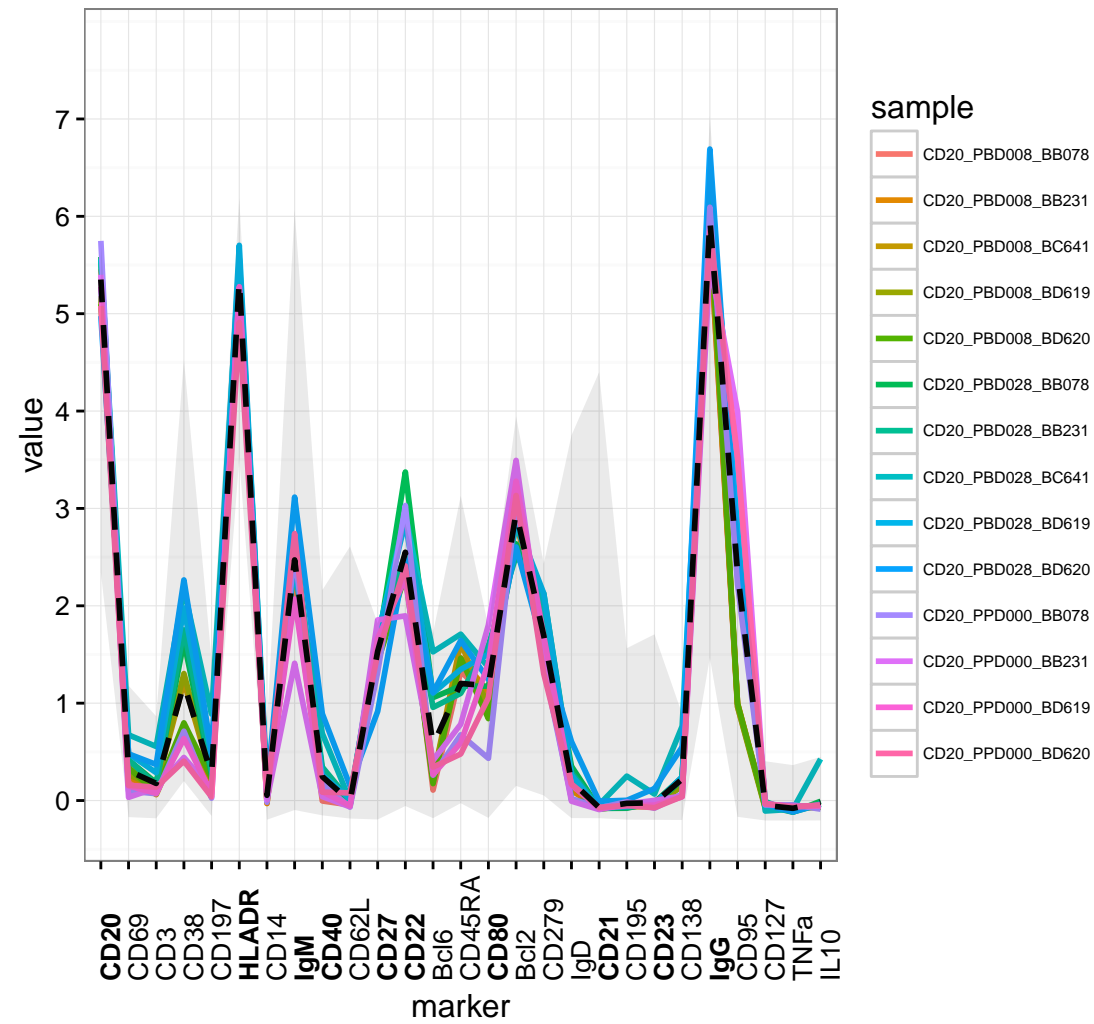
Pheno Viewer – cluster 3 (3 730 cells)



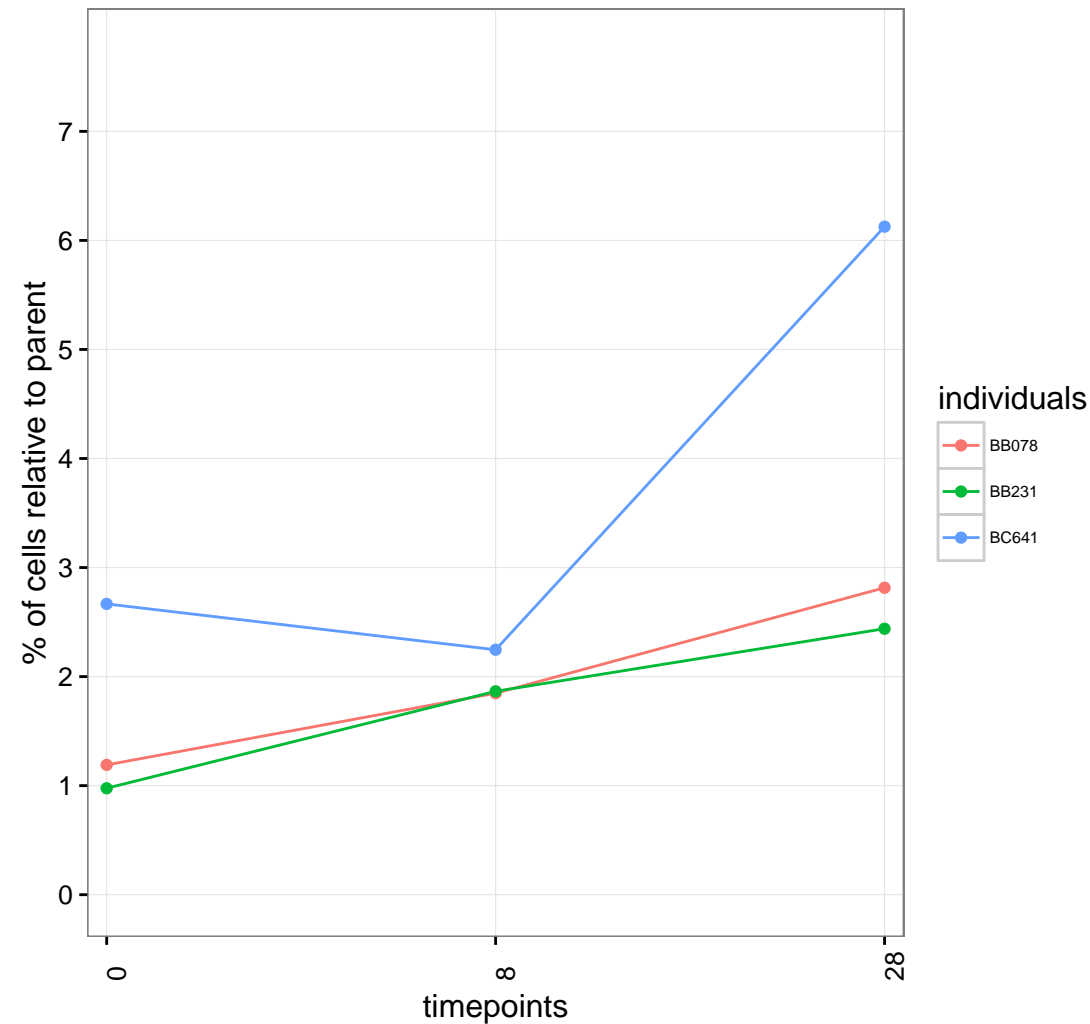
Kinetics Viewer – cluster 4 (1 203 cells)



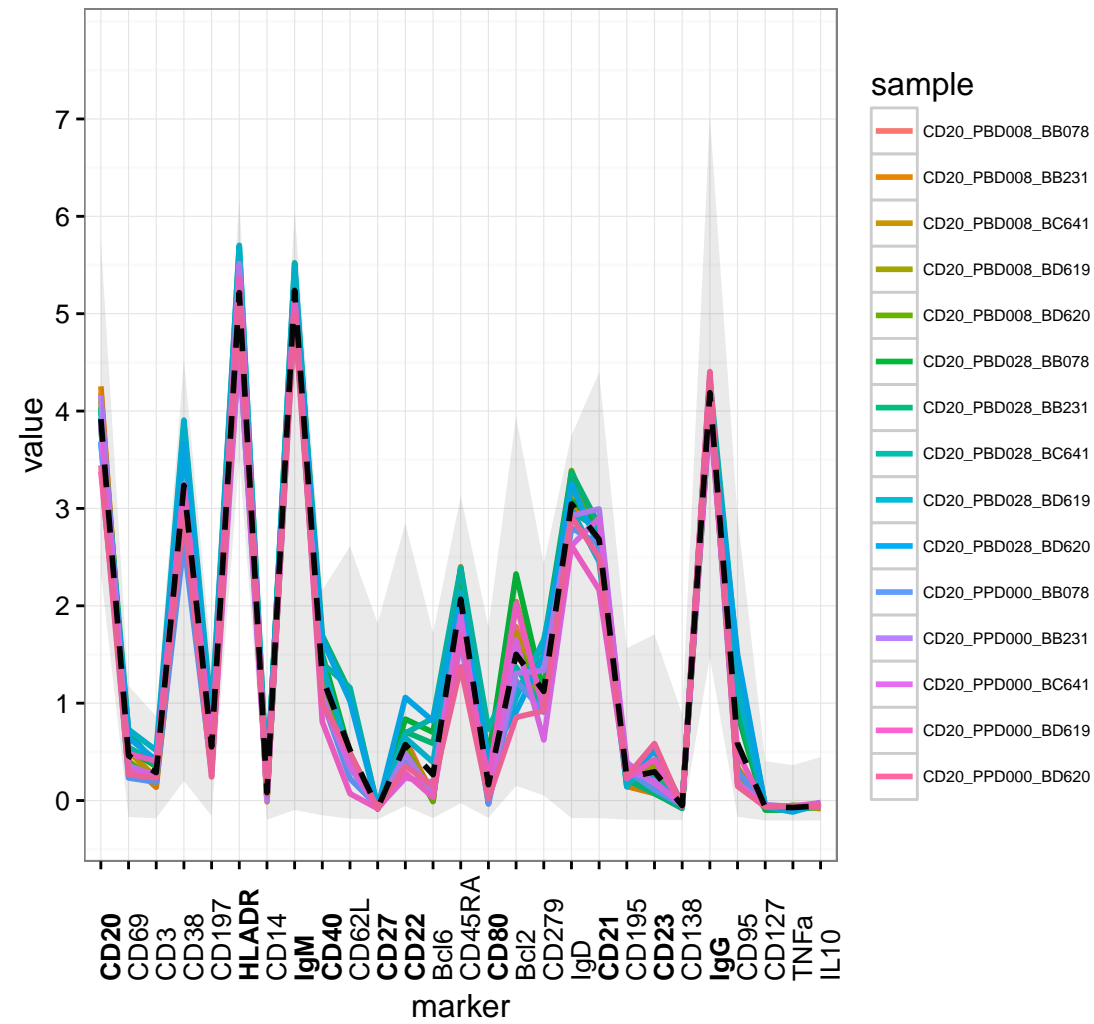
Pheno Viewer – cluster 4 (3 596 cells)



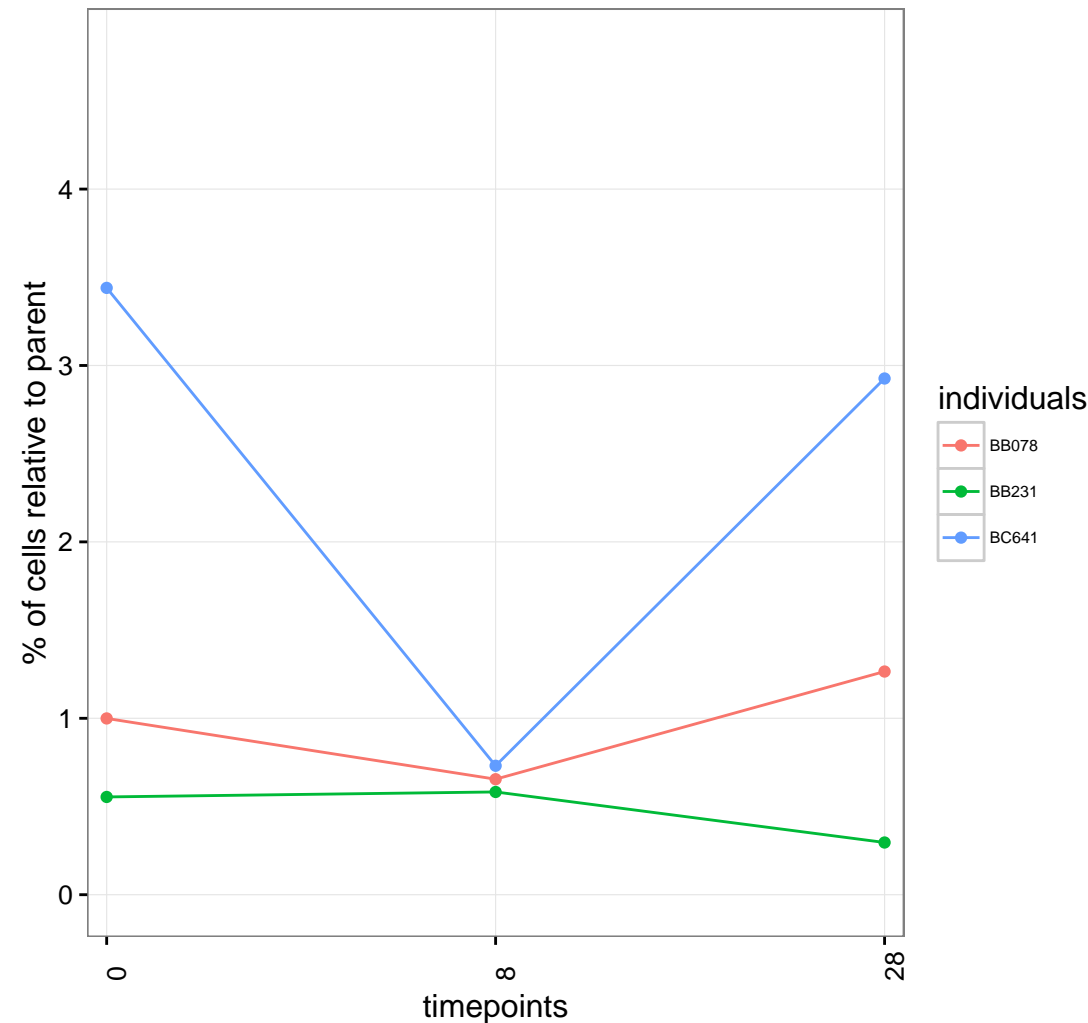
Kinetics Viewer – cluster 5 (2 010 cells)



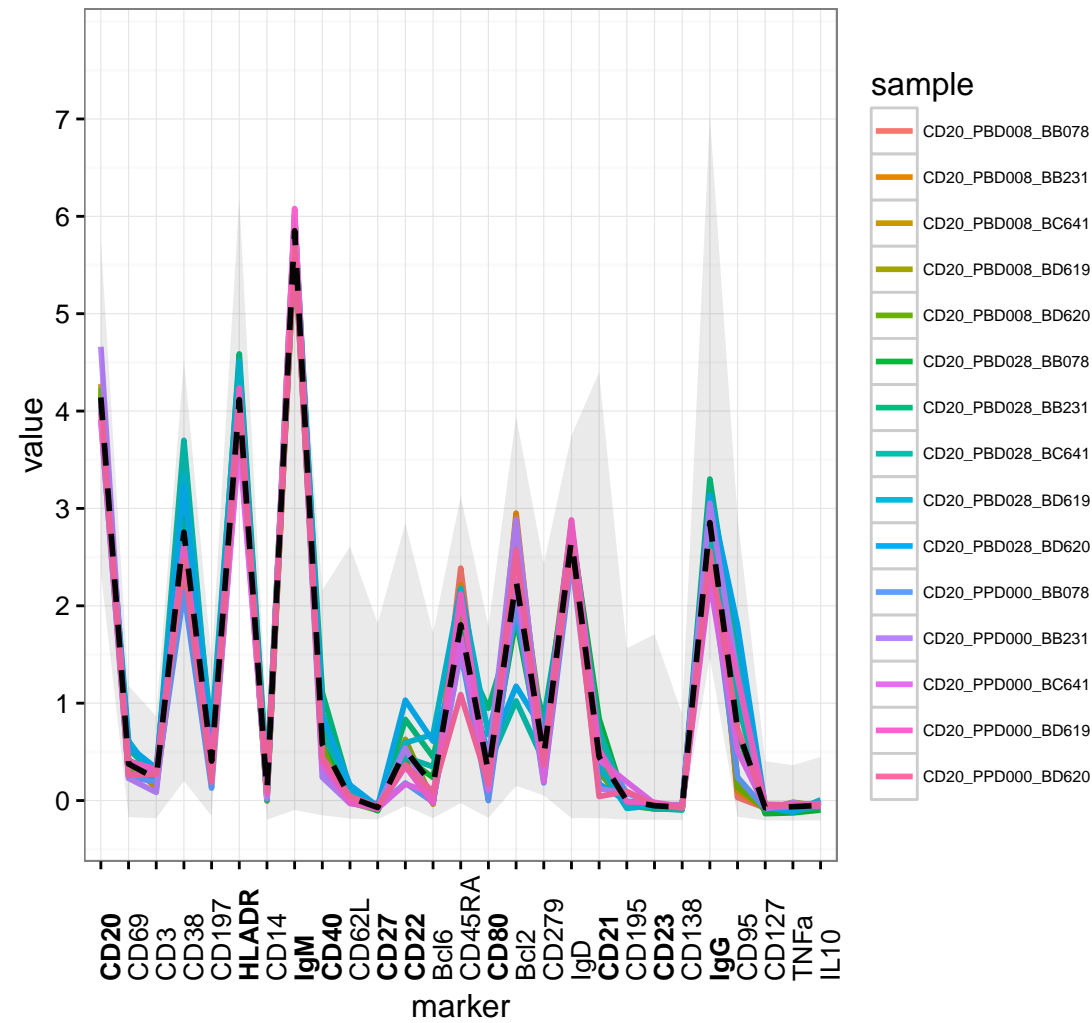
Pheno Viewer – cluster 5 (5 200 cells)



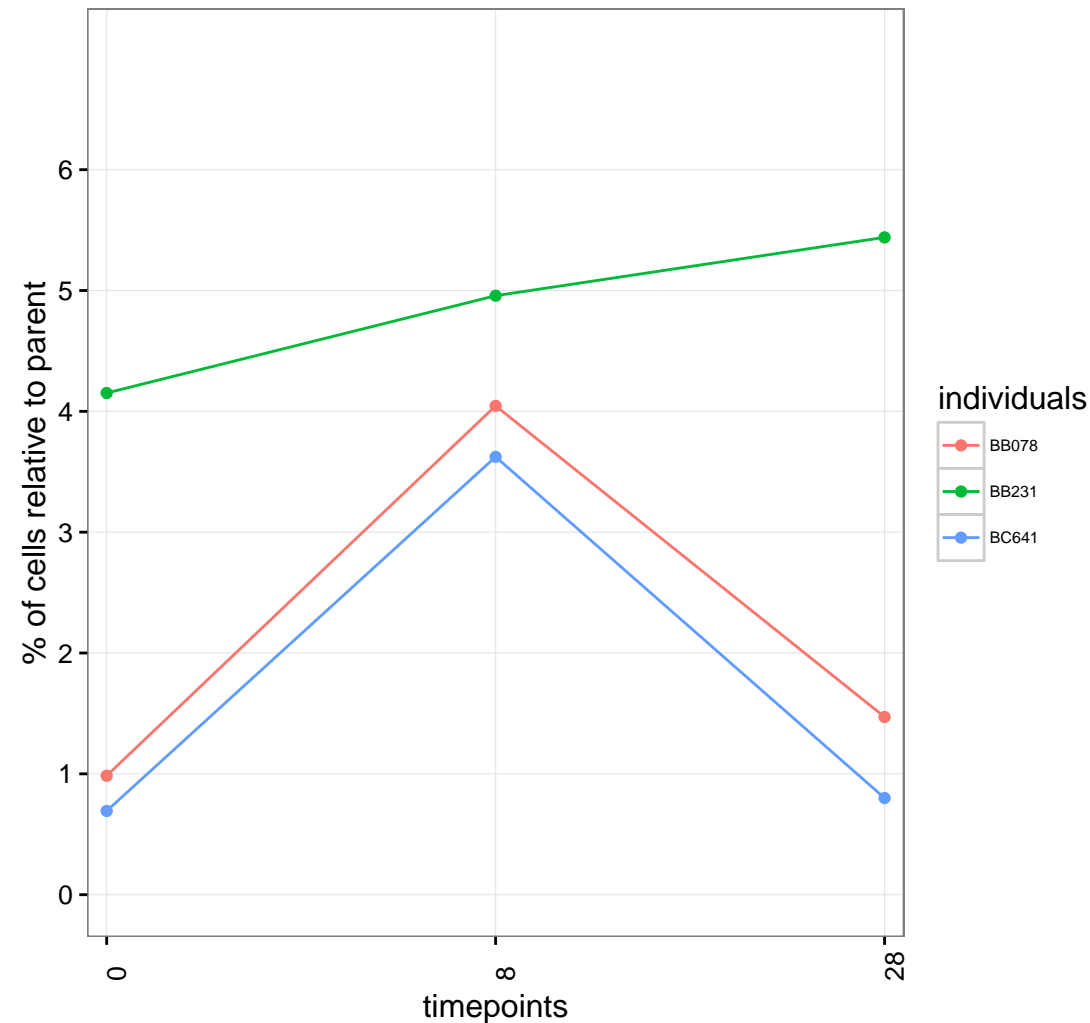
Kinetics Viewer – cluster 6 (841 cells)



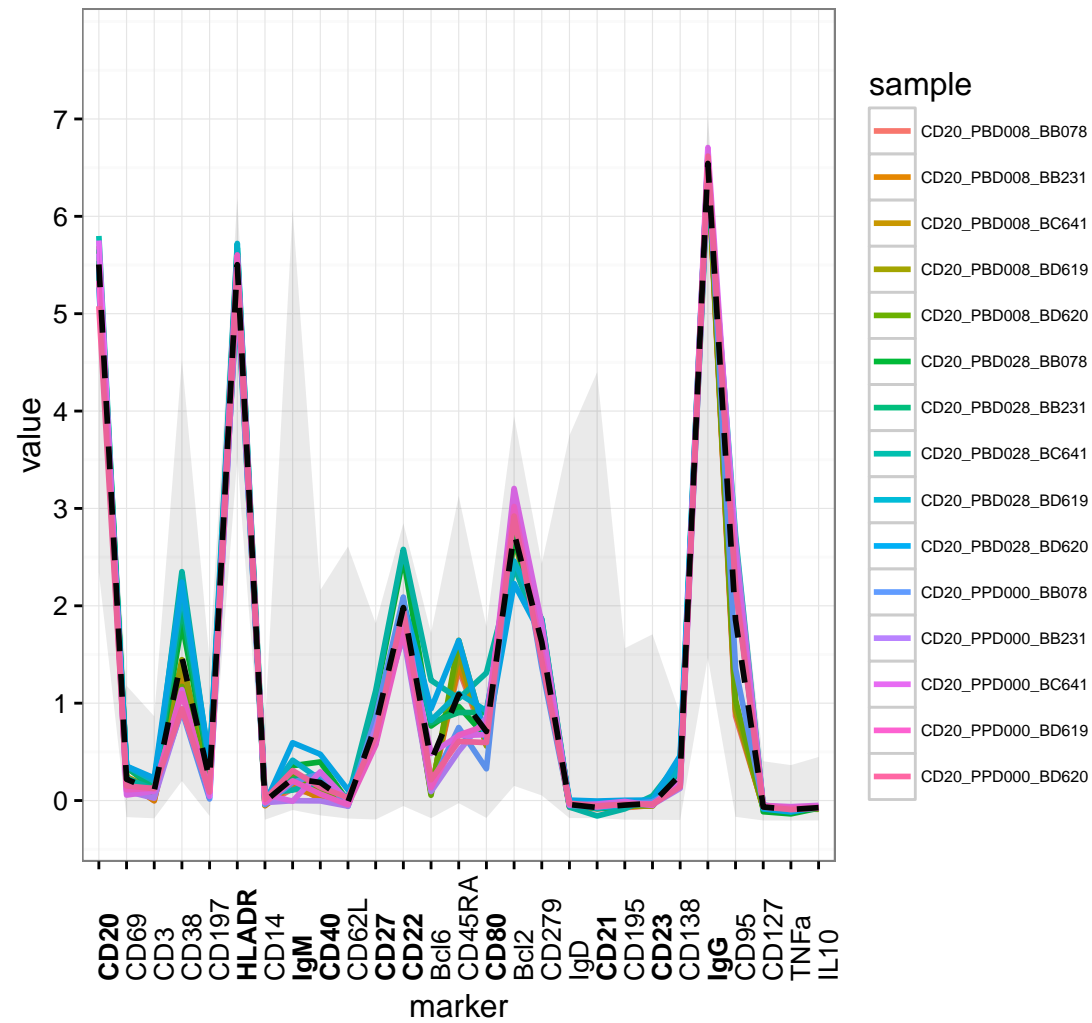
Pheno Viewer – cluster 6 (2 257 cells)



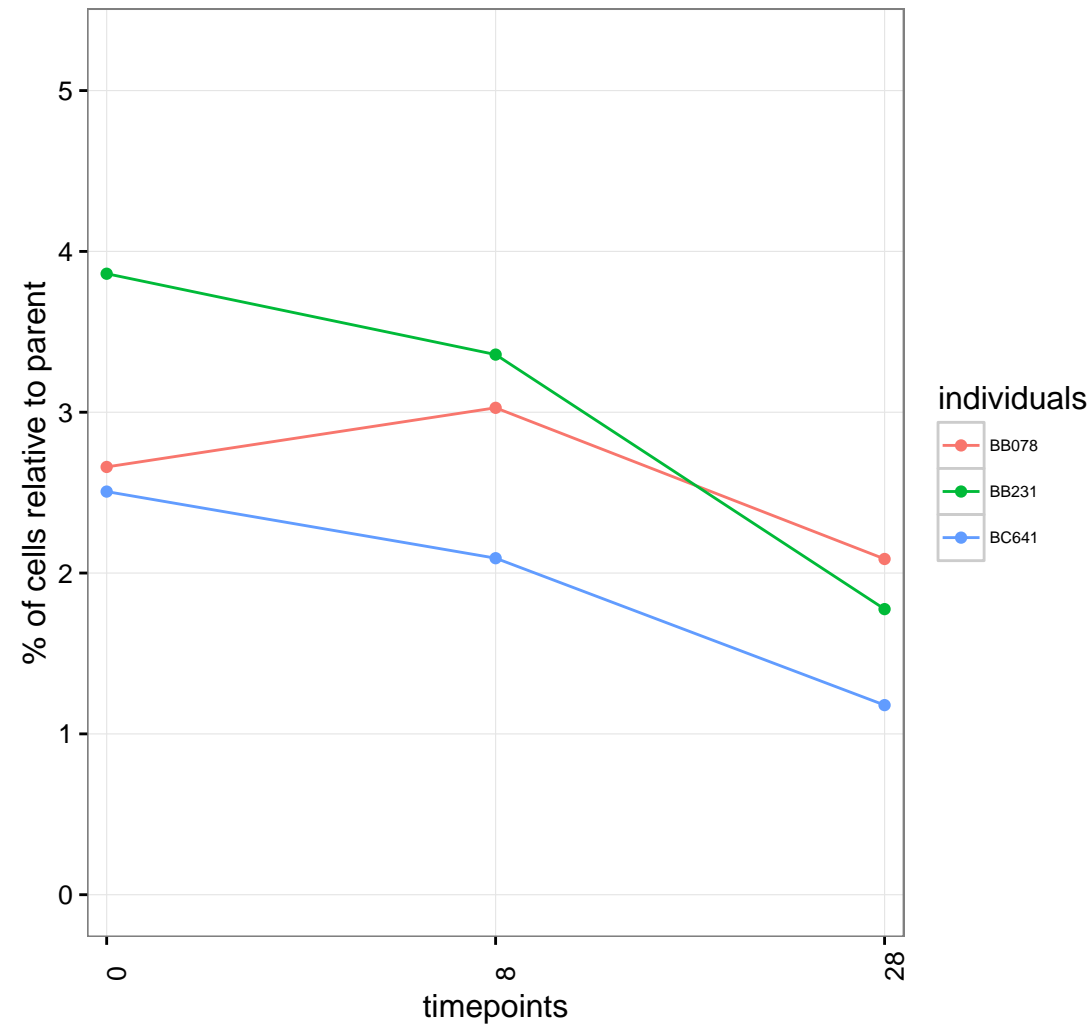
Kinetics Viewer – cluster 7 (3 337 cells)



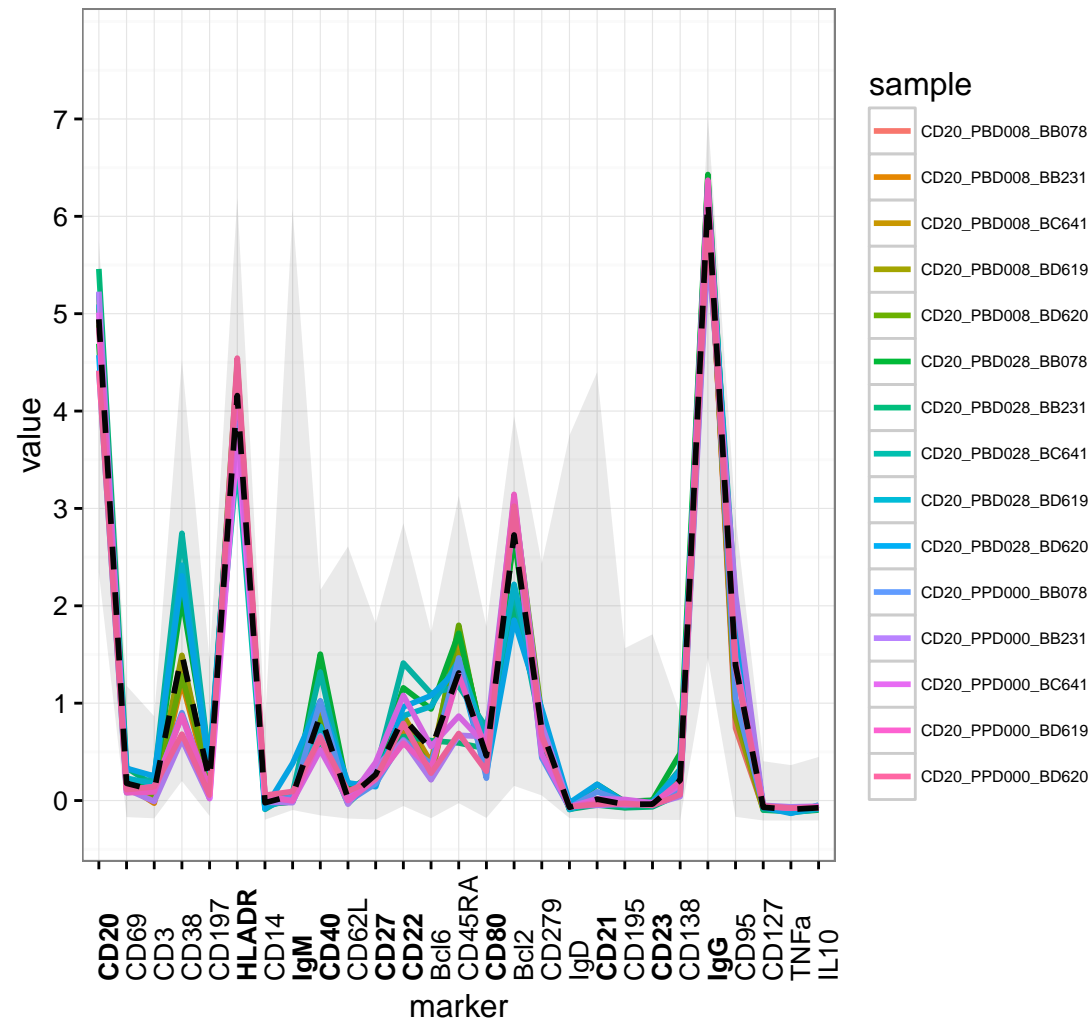
Pheno Viewer – cluster 7 (6 744 cells)



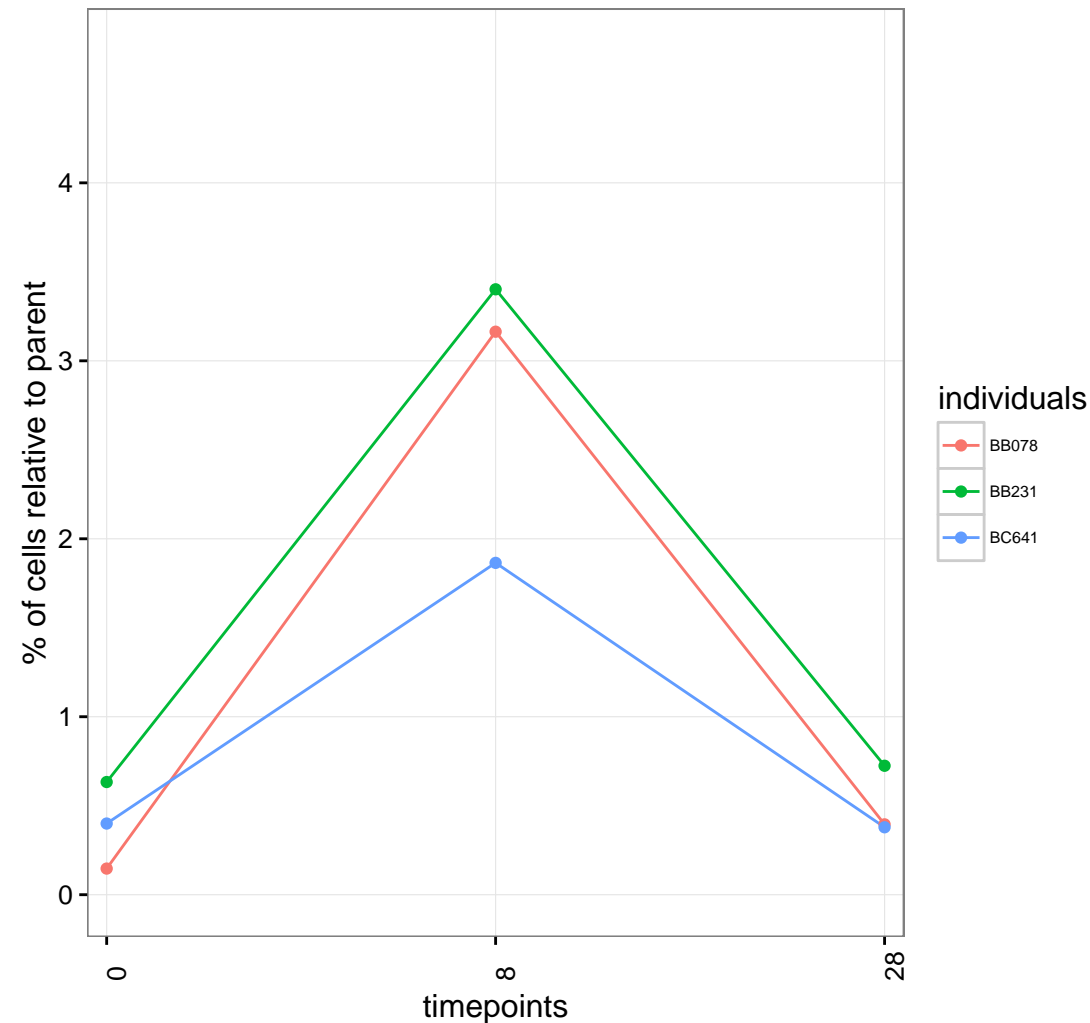
Kinetics Viewer – cluster 8 (2 480 cells)



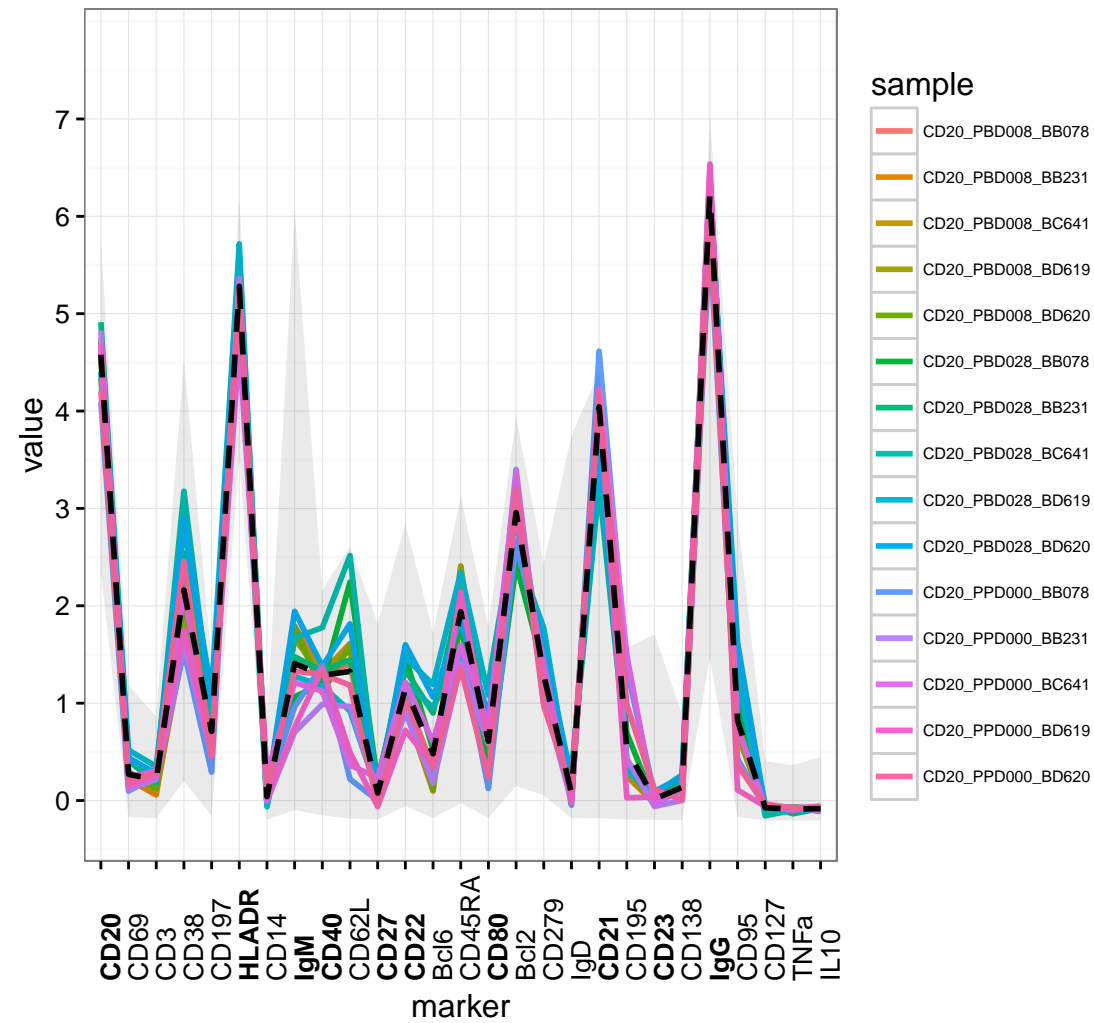
Pheno Viewer – cluster 8 (4 580 cells)



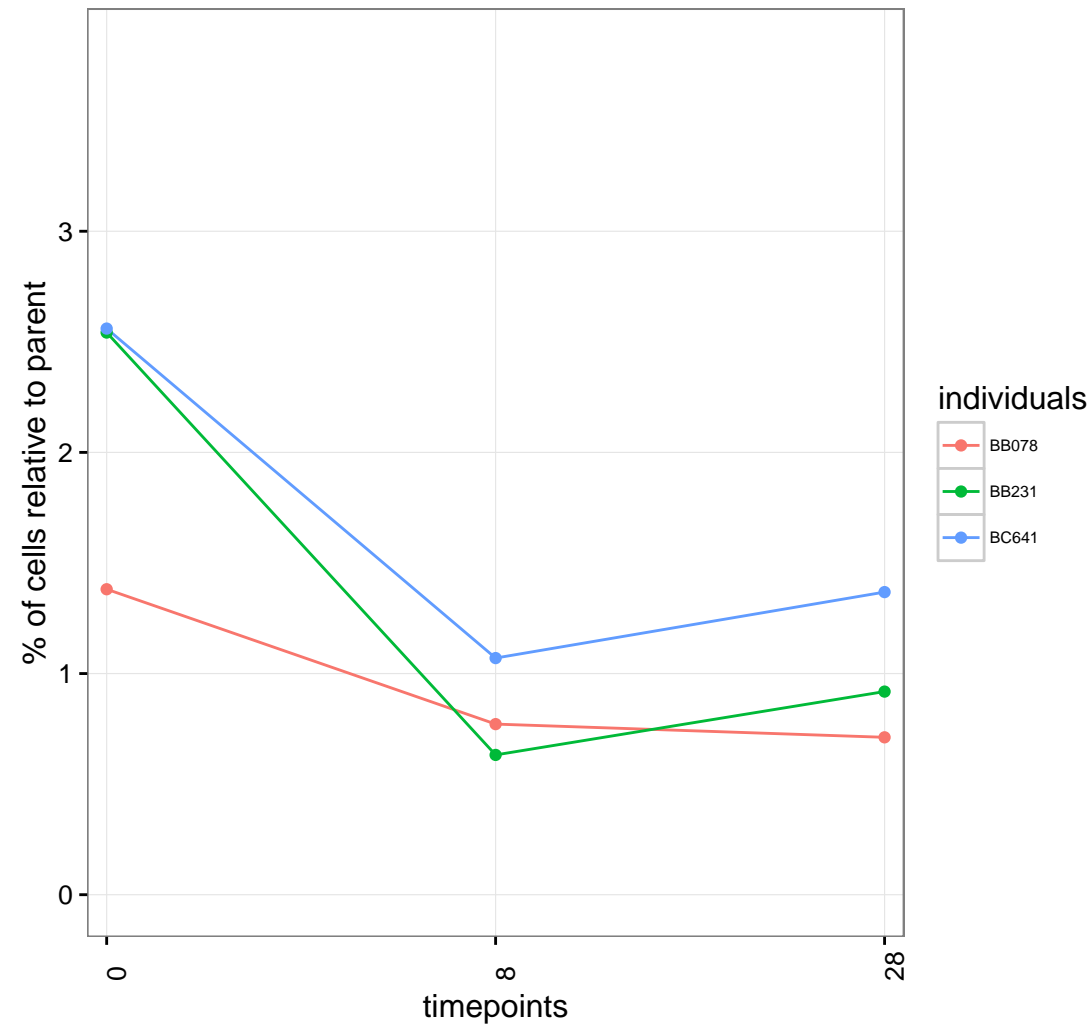
Kinetics Viewer – cluster 9 (1 600 cells)



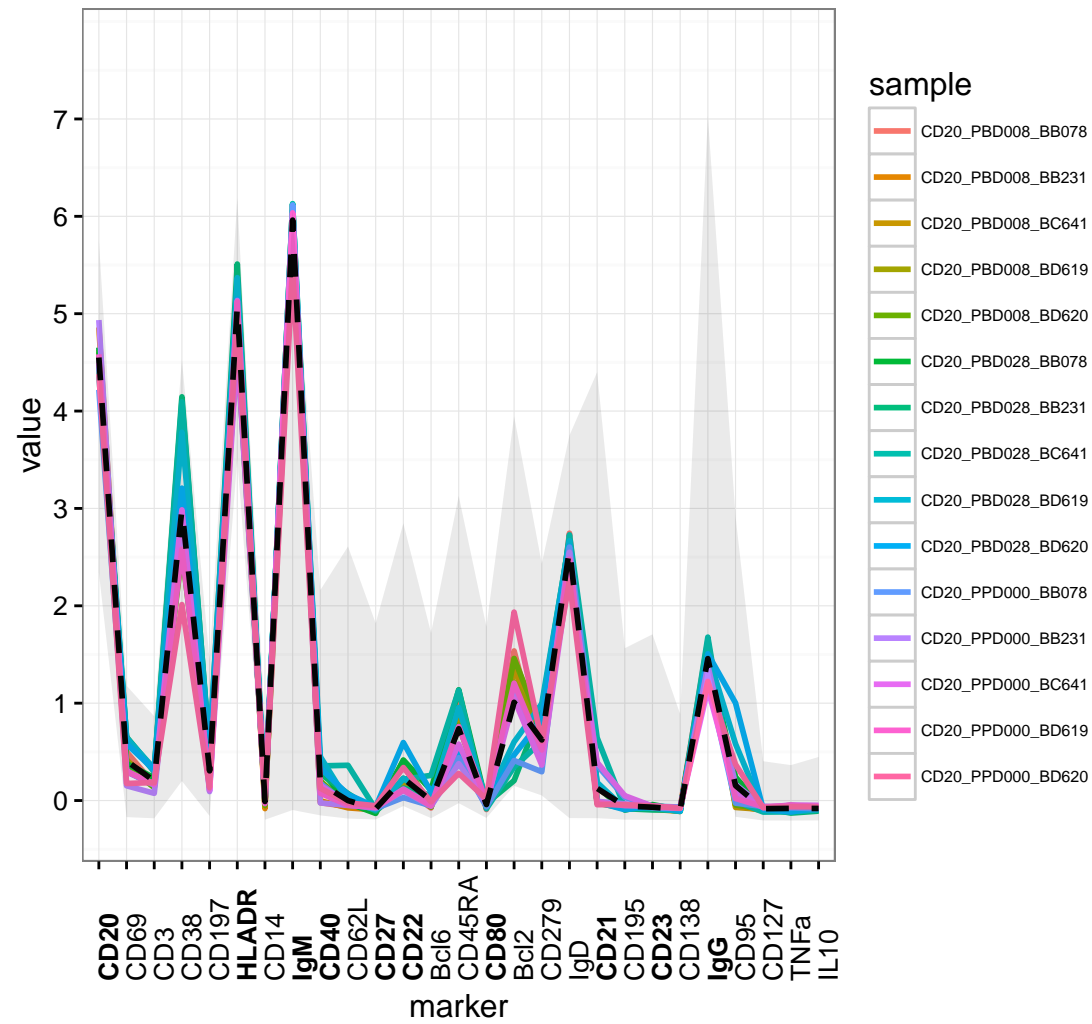
Pheno Viewer – cluster 9 (2 545 cells)



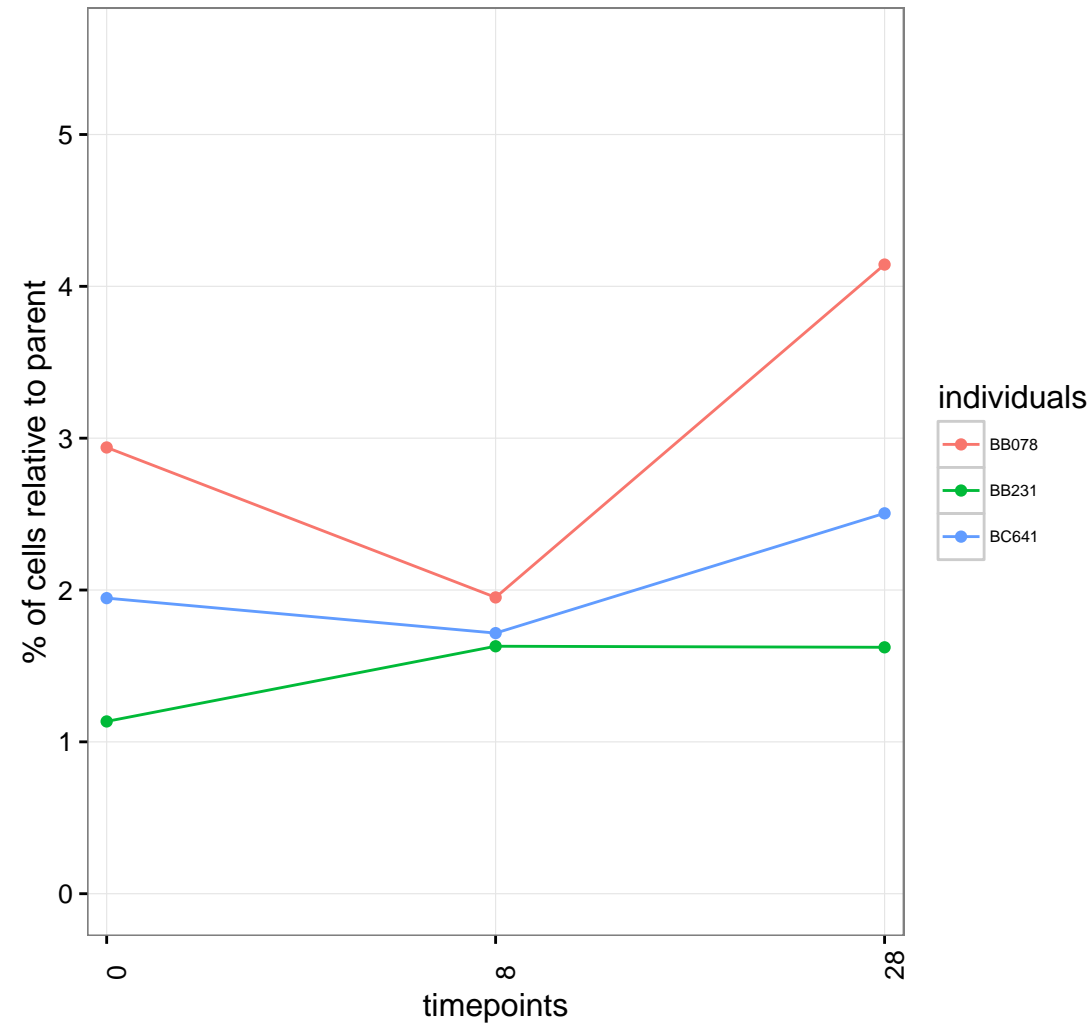
Kinetics Viewer – cluster 10 (1 102 cells)



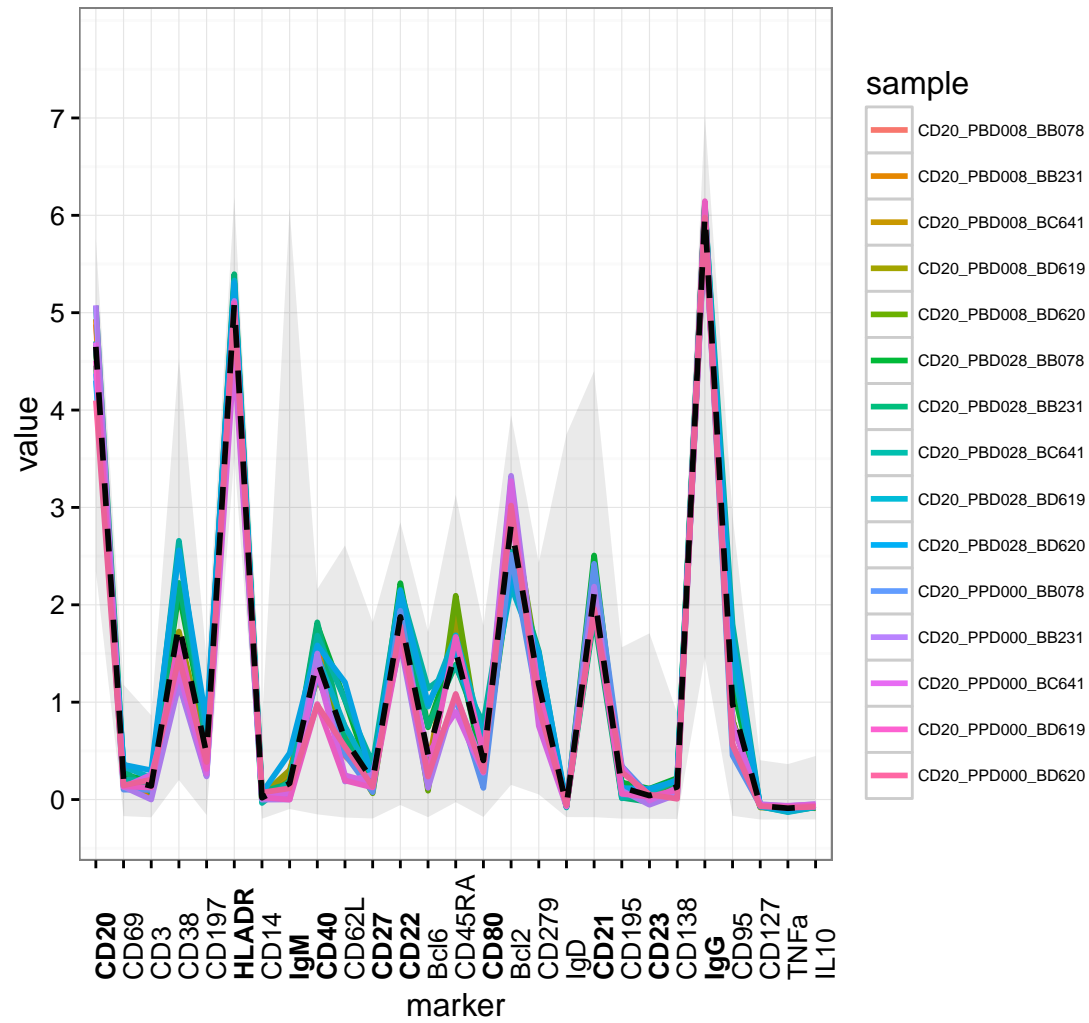
Pheno Viewer – cluster 10 (3 318 cells)



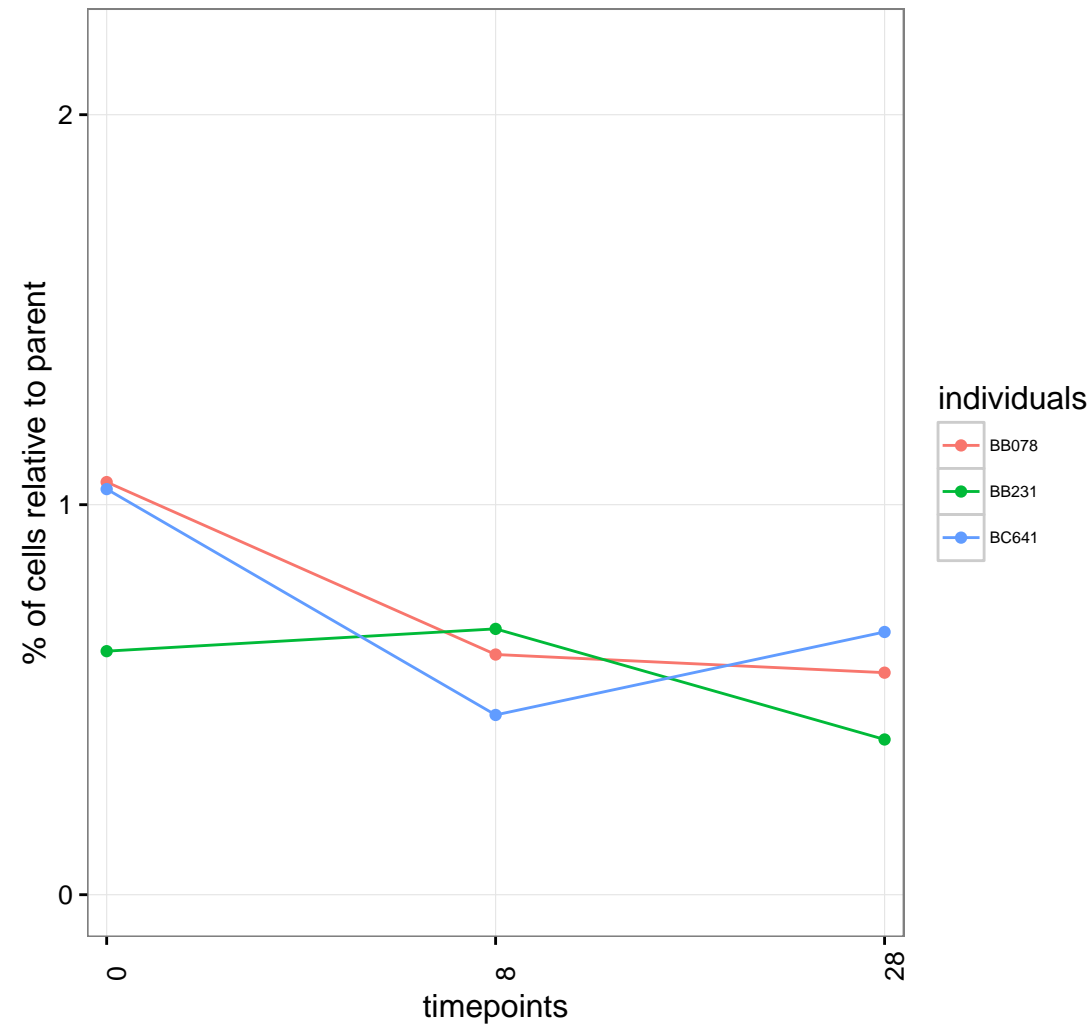
Kinetics Viewer – cluster 11 (1 830 cells)



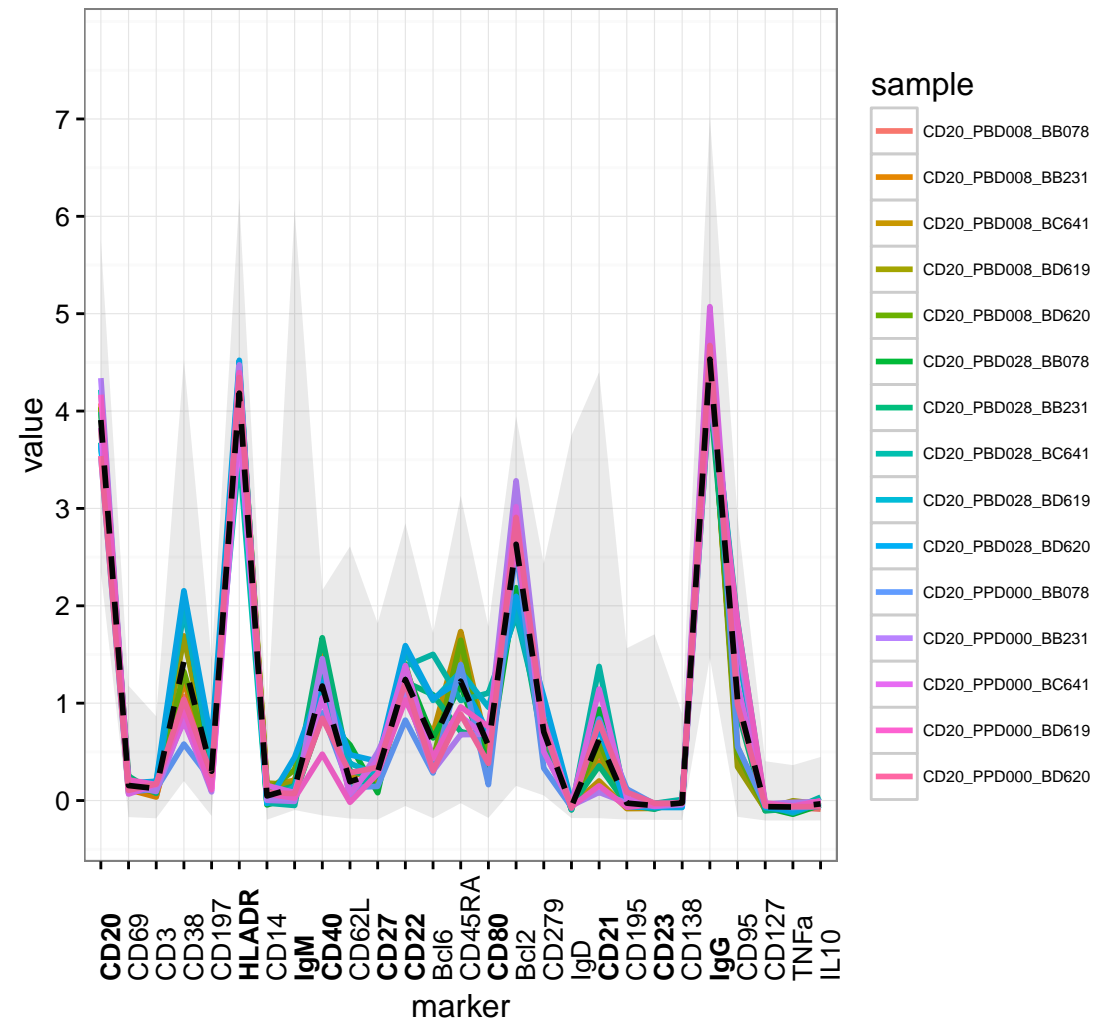
Pheno Viewer – cluster 11 (3 780 cells)



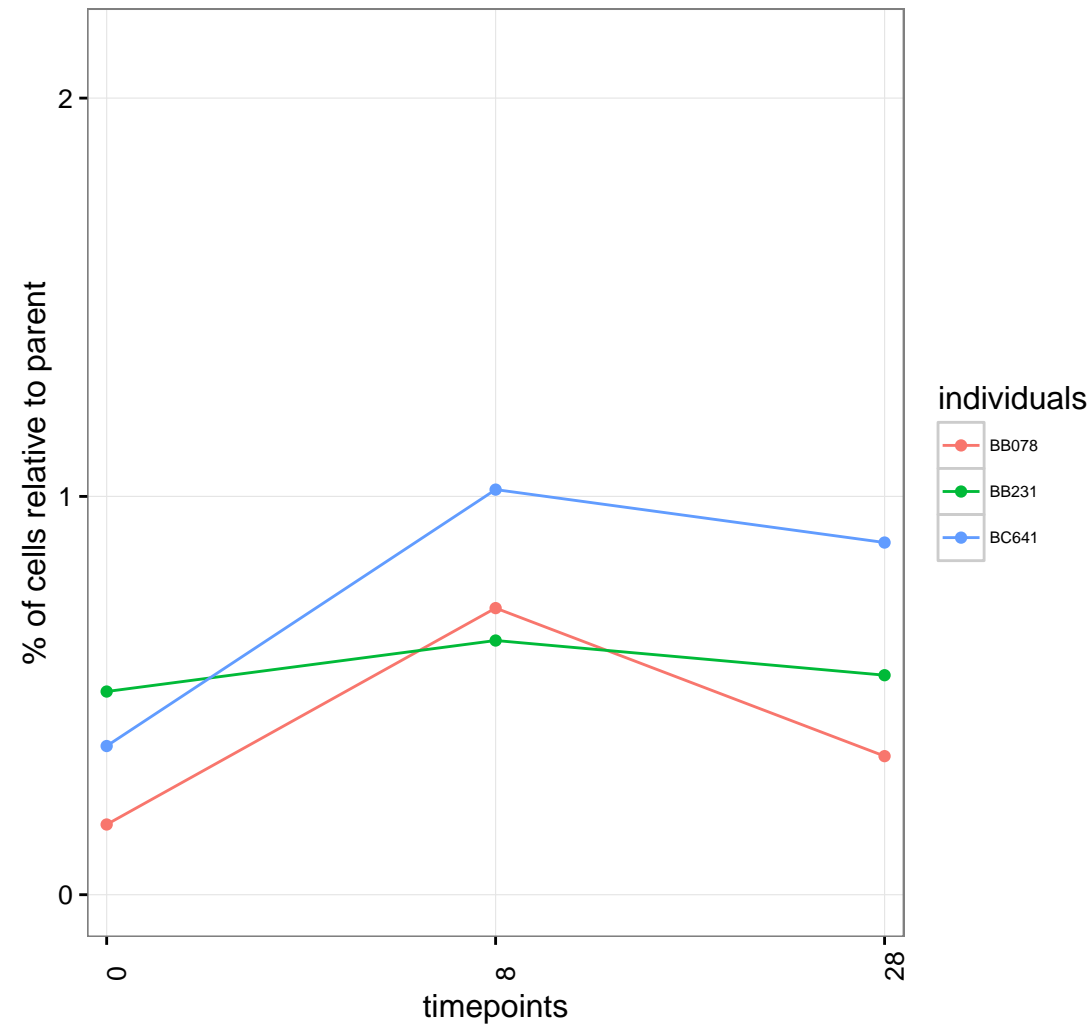
Kinetics Viewer – cluster 12 (581 cells)



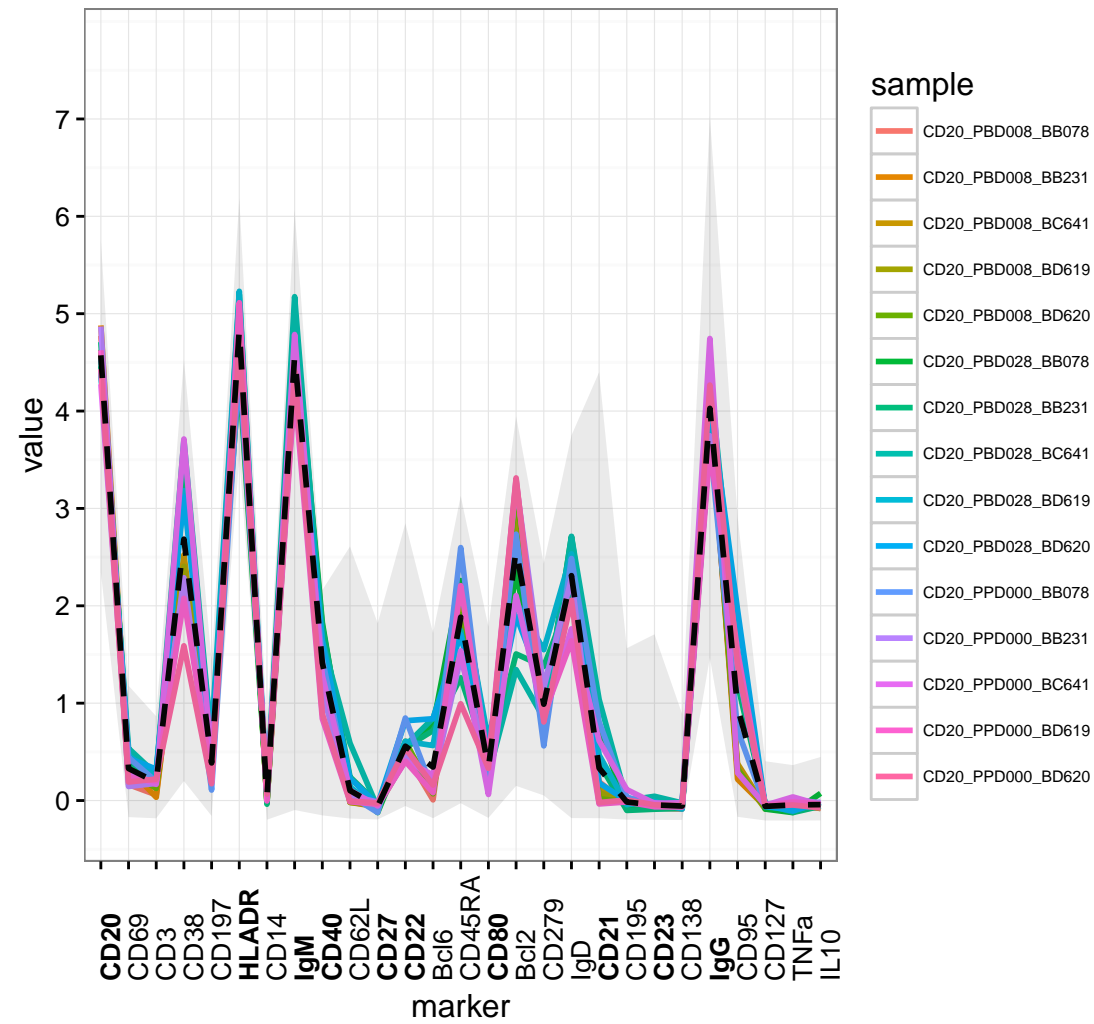
Pheno Viewer – cluster 12 (1 174 cells)



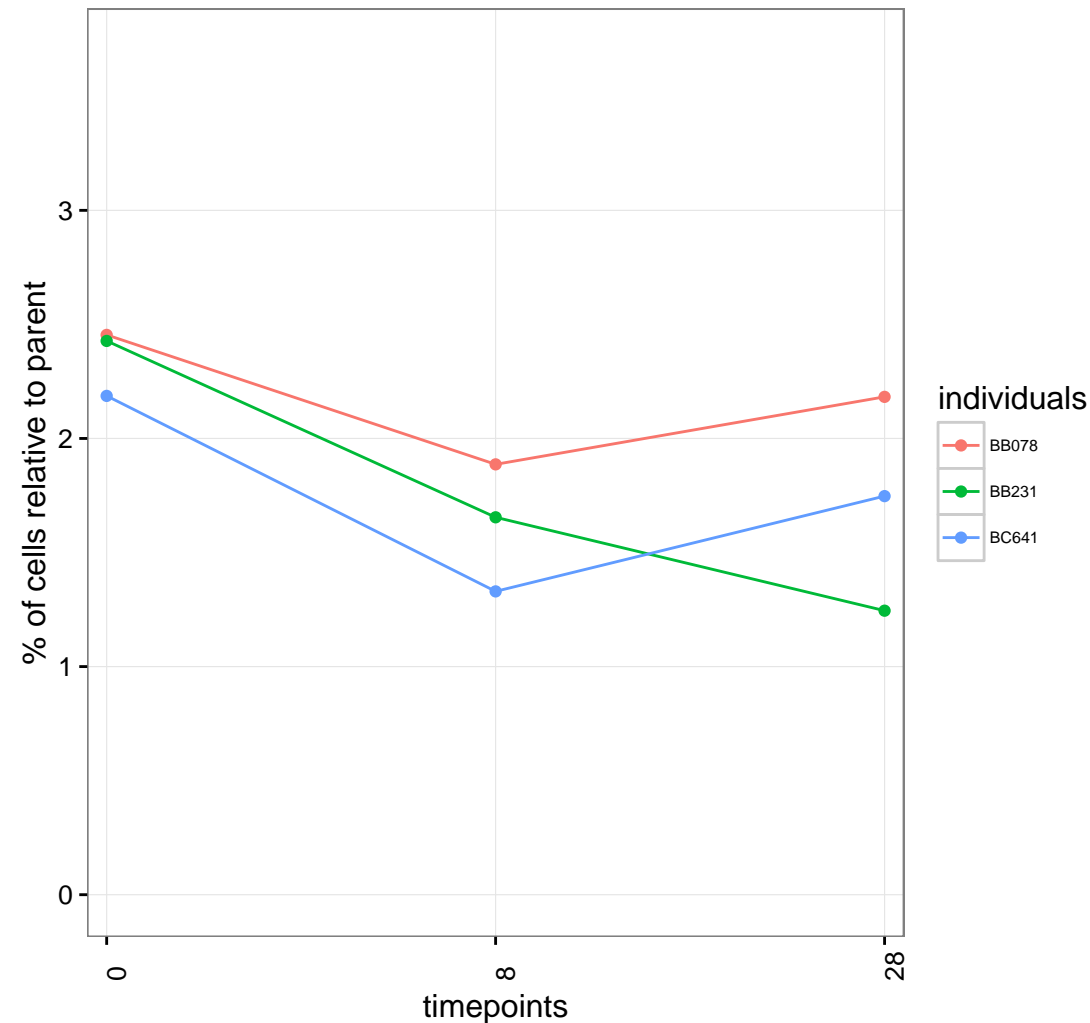
Kinetics Viewer – cluster 13 (608 cells)



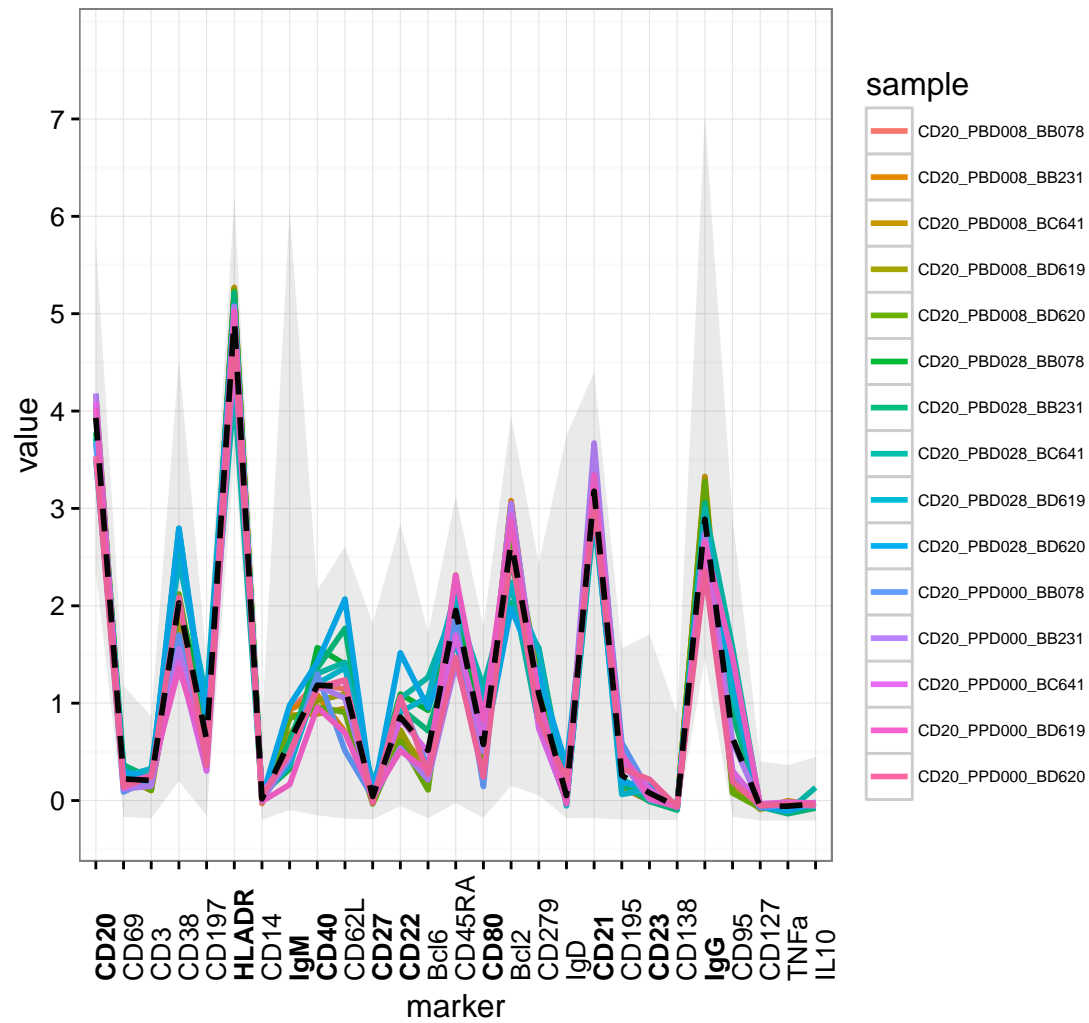
Pheno Viewer – cluster 13 (2 043 cells)



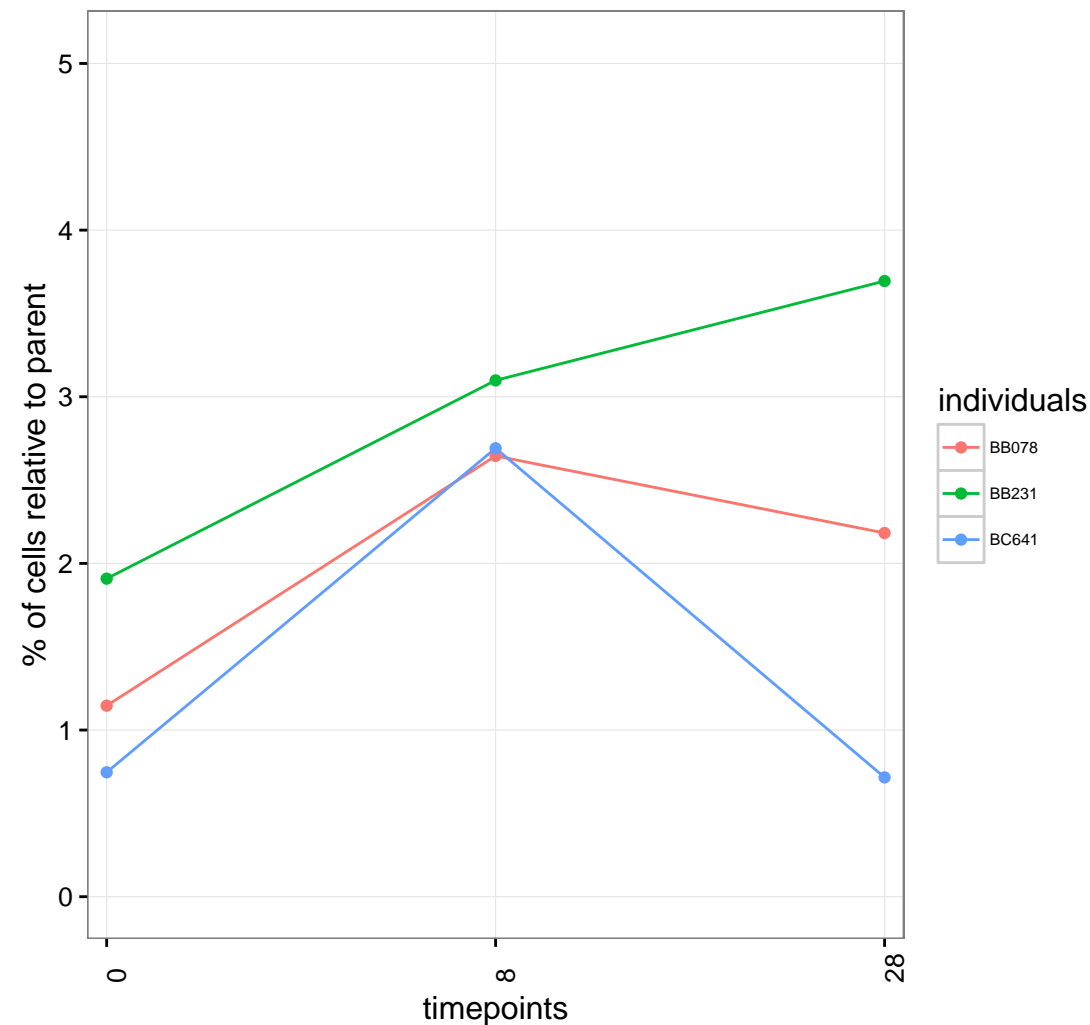
Kinetics Viewer – cluster 14 (1 677 cells)



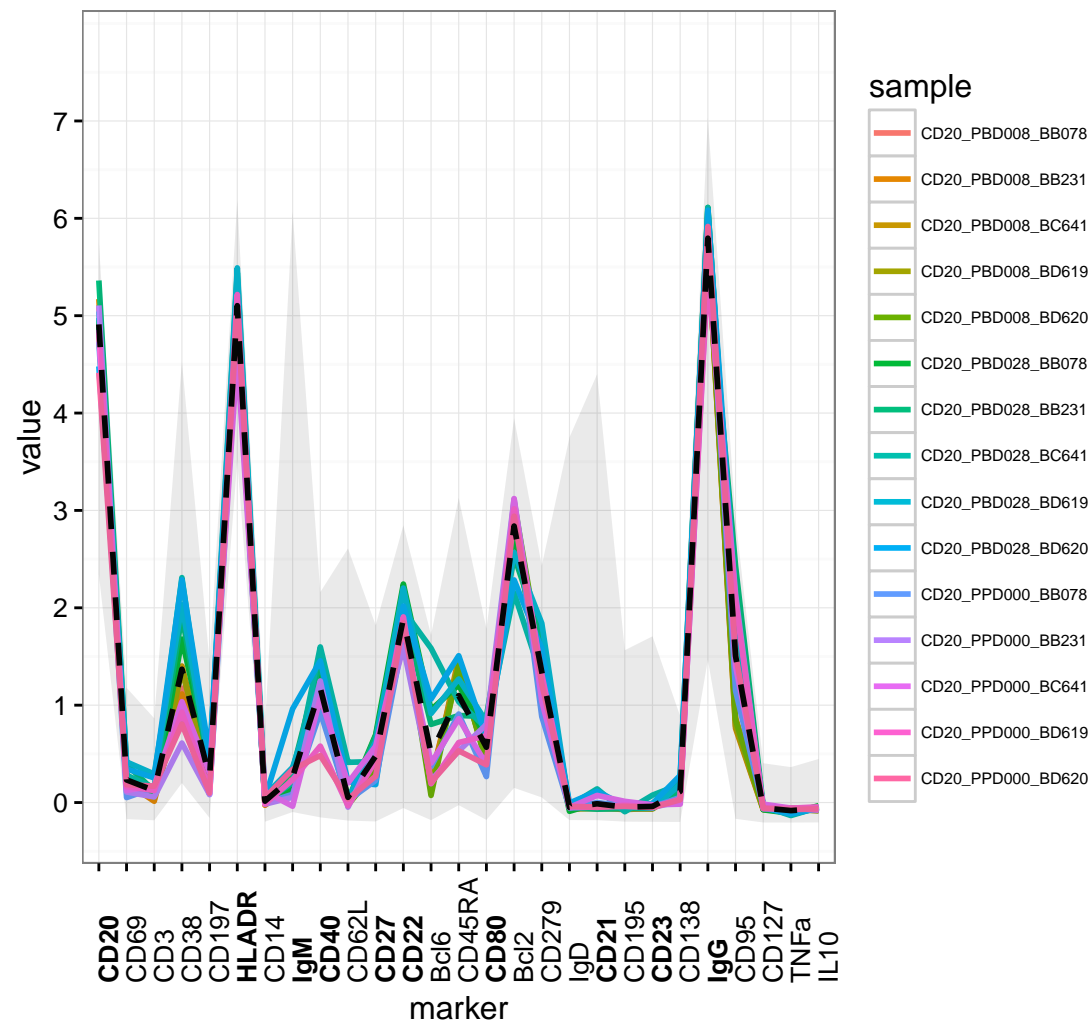
Pheno Viewer – cluster 14 (3 440 cells)



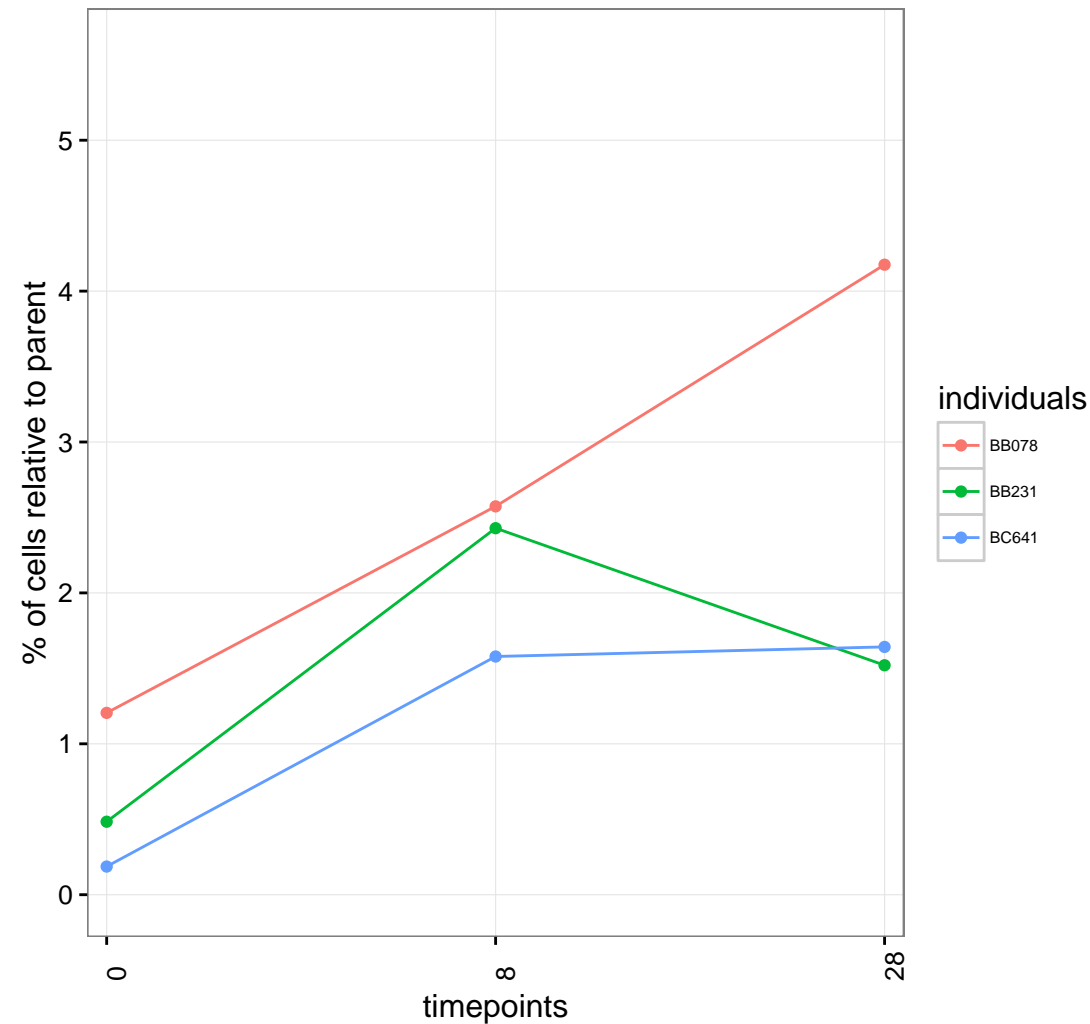
Kinetics Viewer – cluster 15 (2 273 cells)



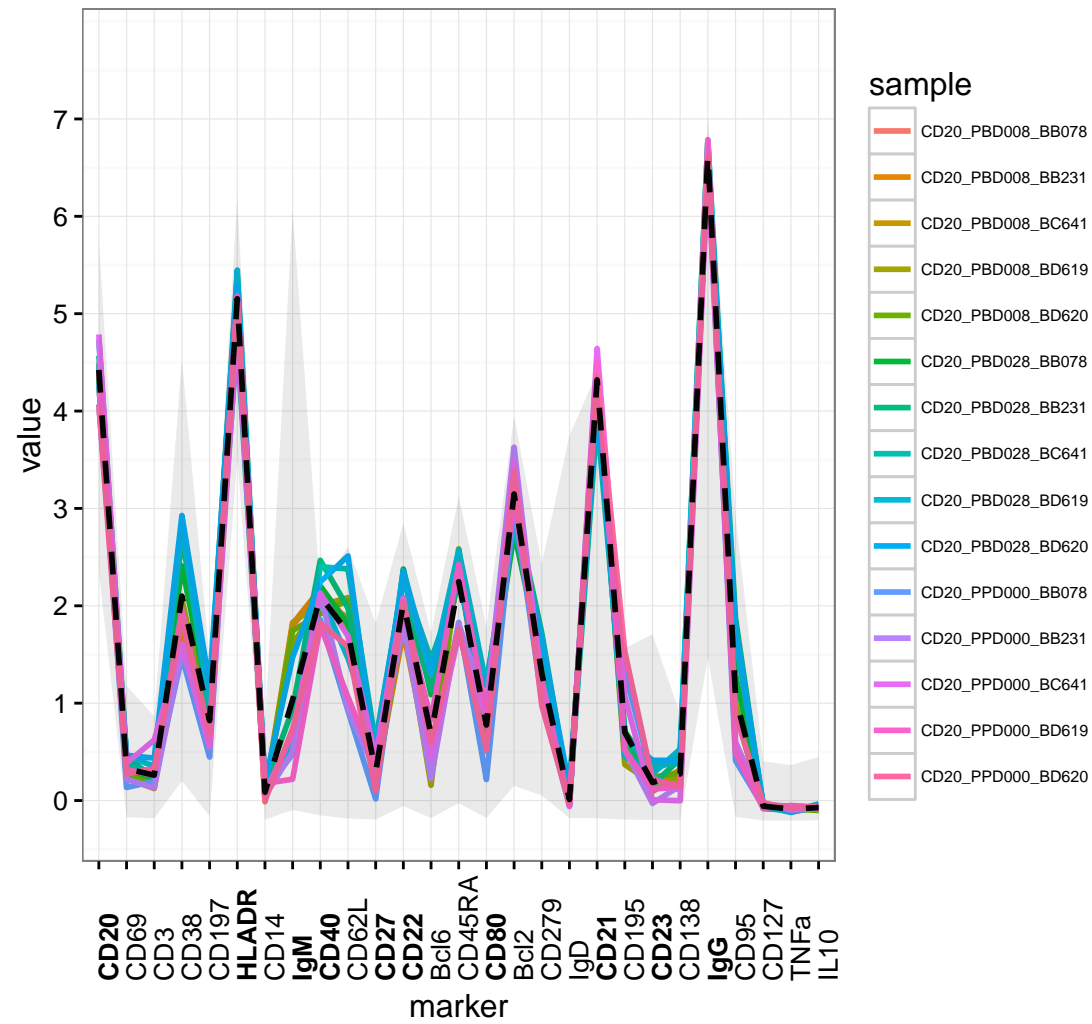
Pheno Viewer – cluster 15 (5 002 cells)



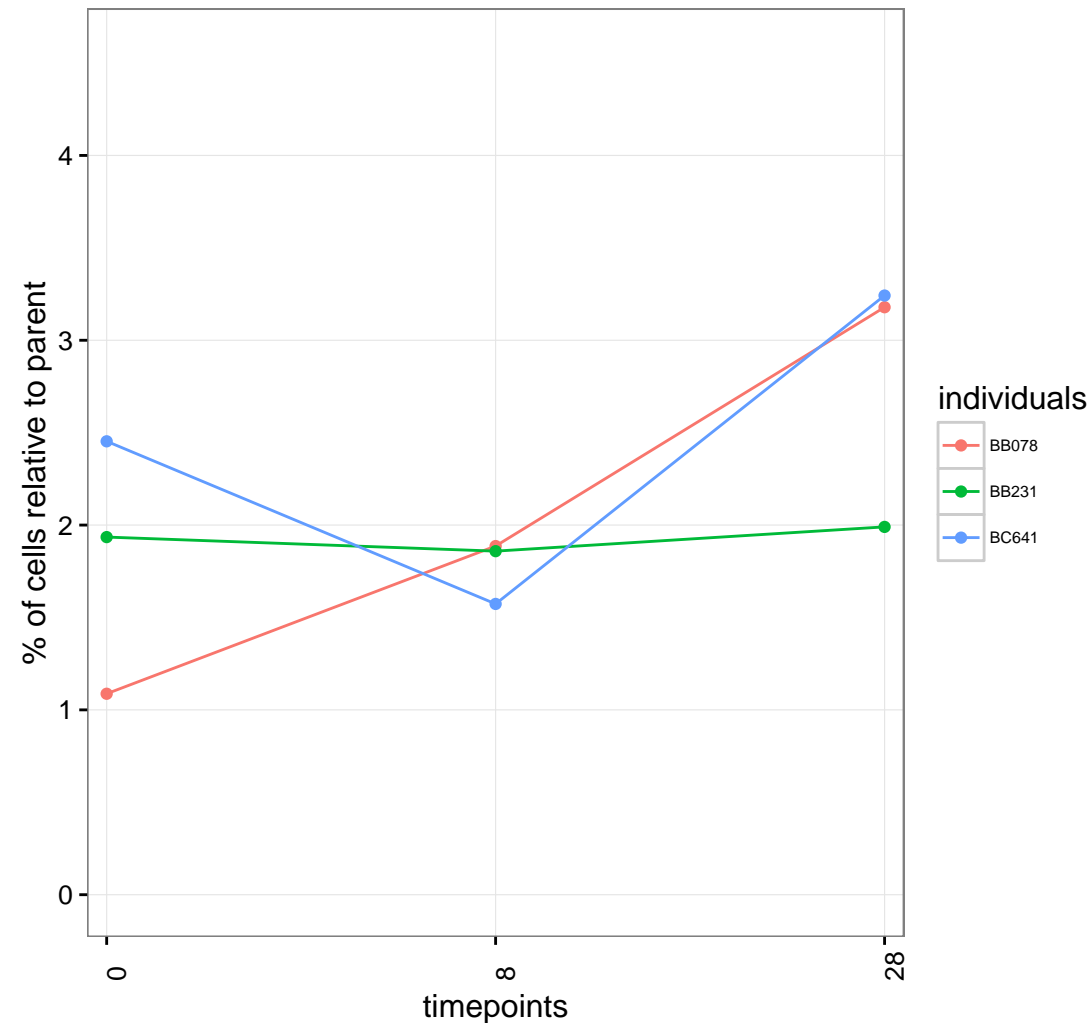
Kinetics Viewer – cluster 16 (1 722 cells)



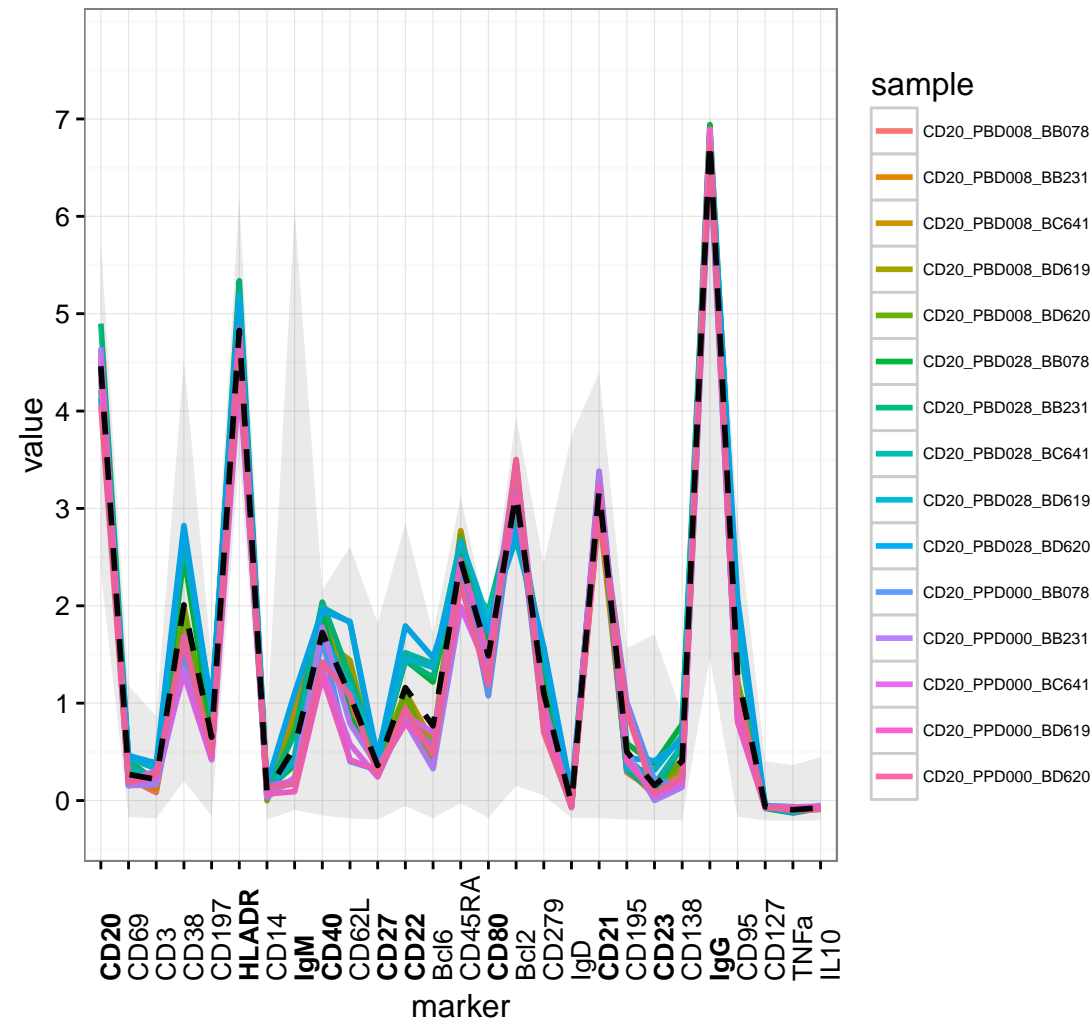
Pheno Viewer – cluster 16 (3 072 cells)



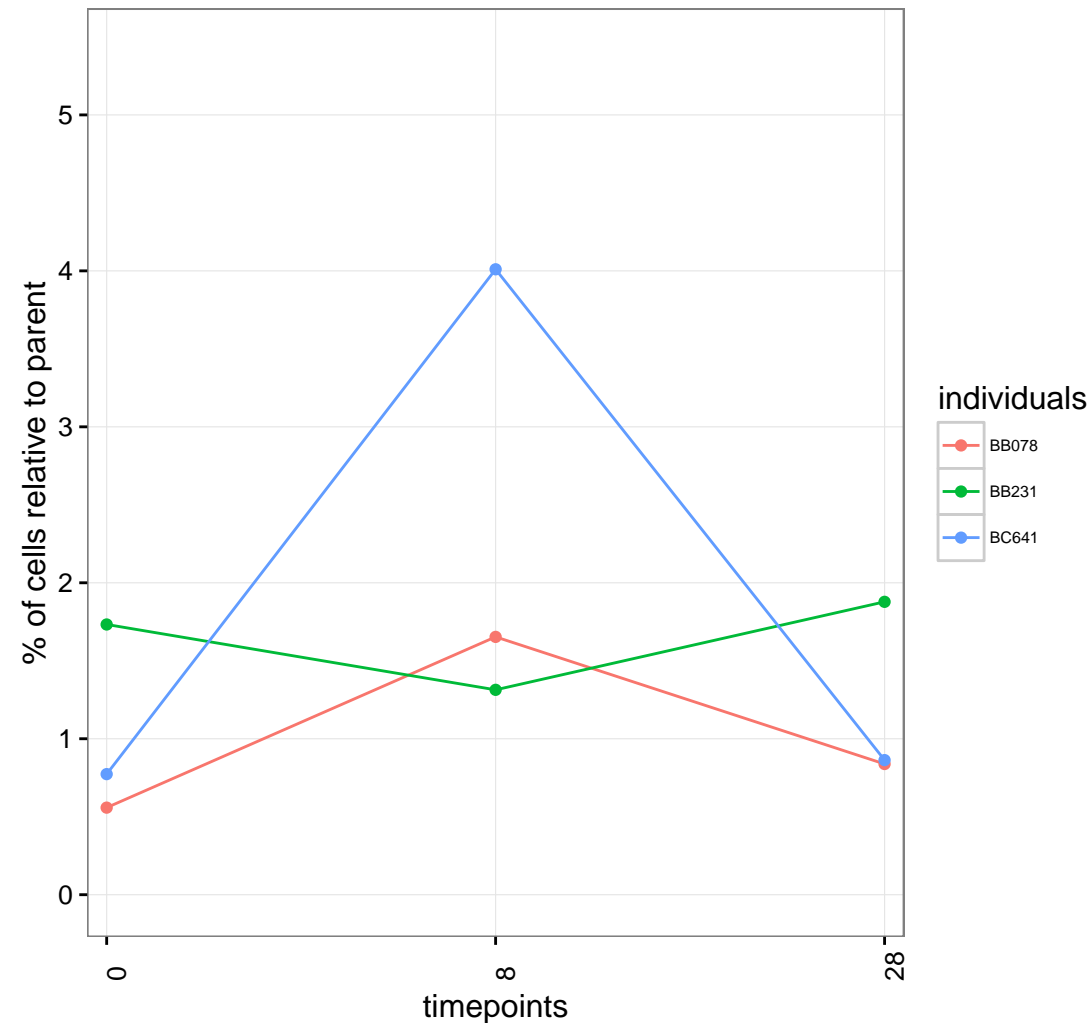
Kinetics Viewer – cluster 17 (1 824 cells)



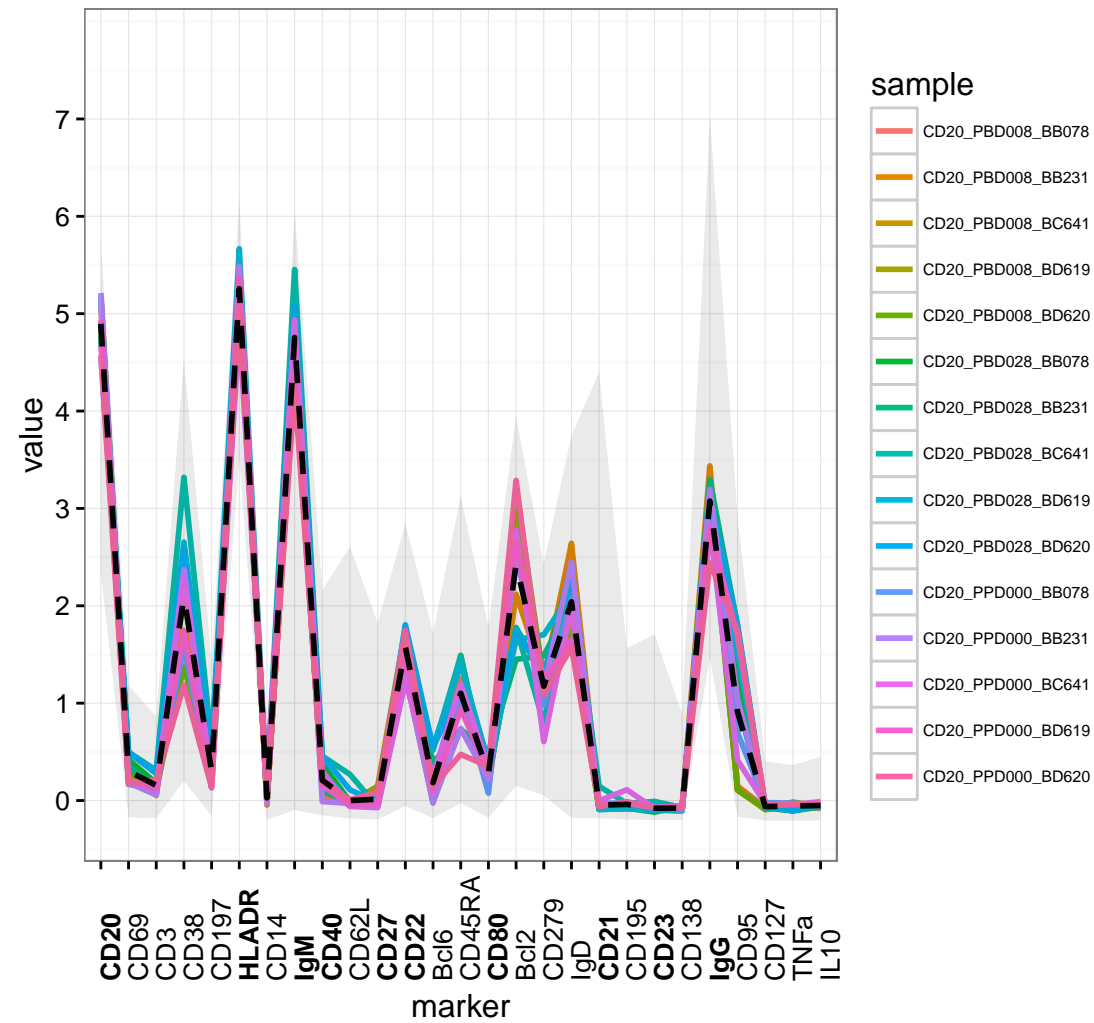
Pheno Viewer – cluster 17 (3 400 cells)



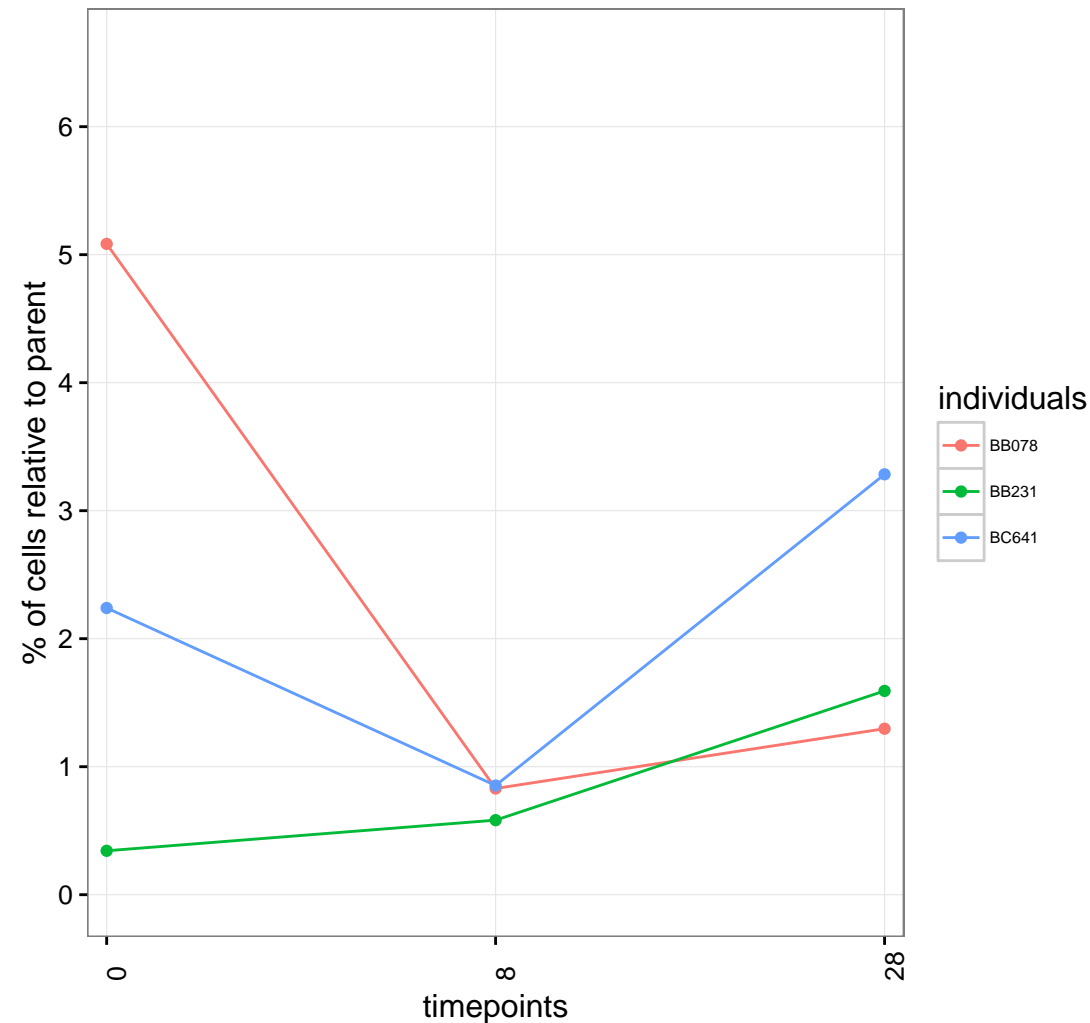
Kinetics Viewer – cluster 18 (1 766 cells)



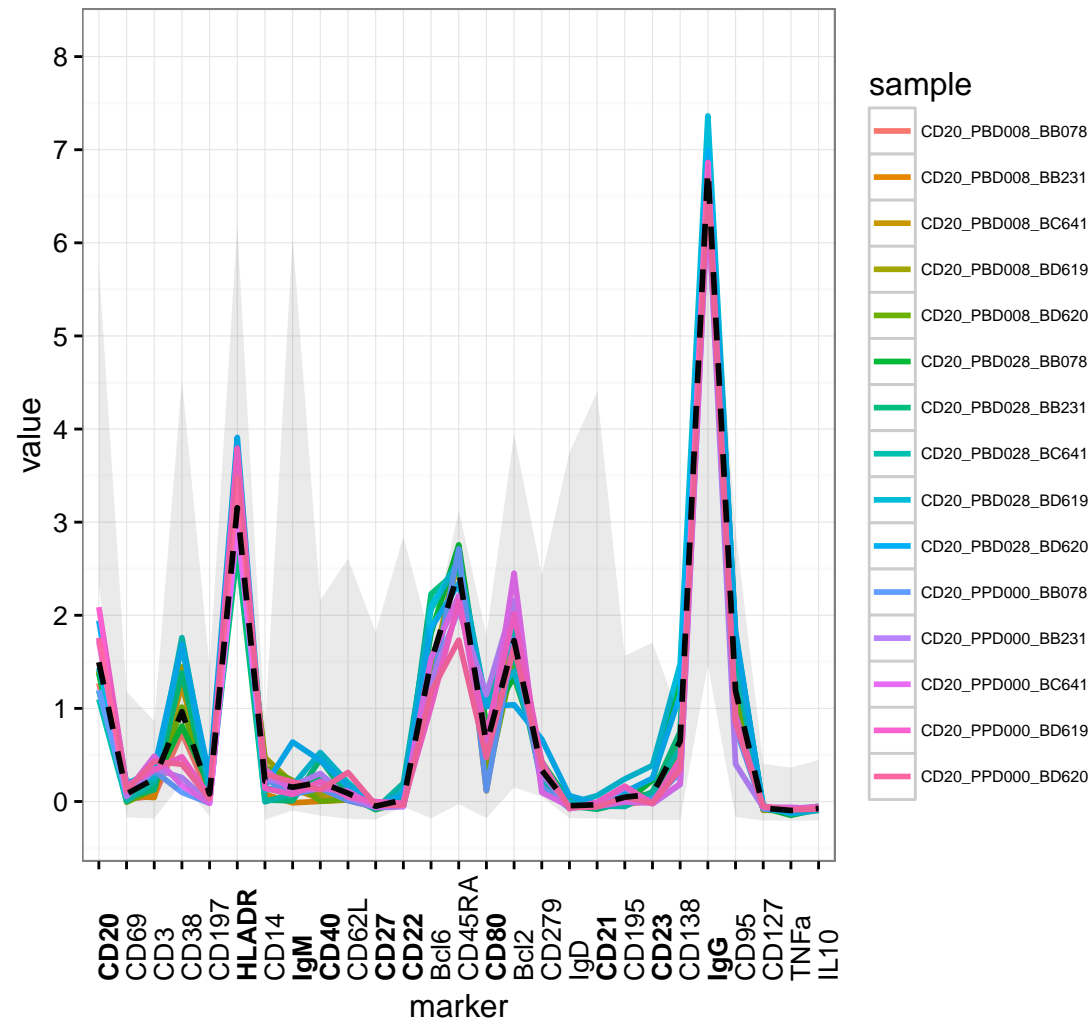
Pheno Viewer – cluster 18 (8 082 cells)



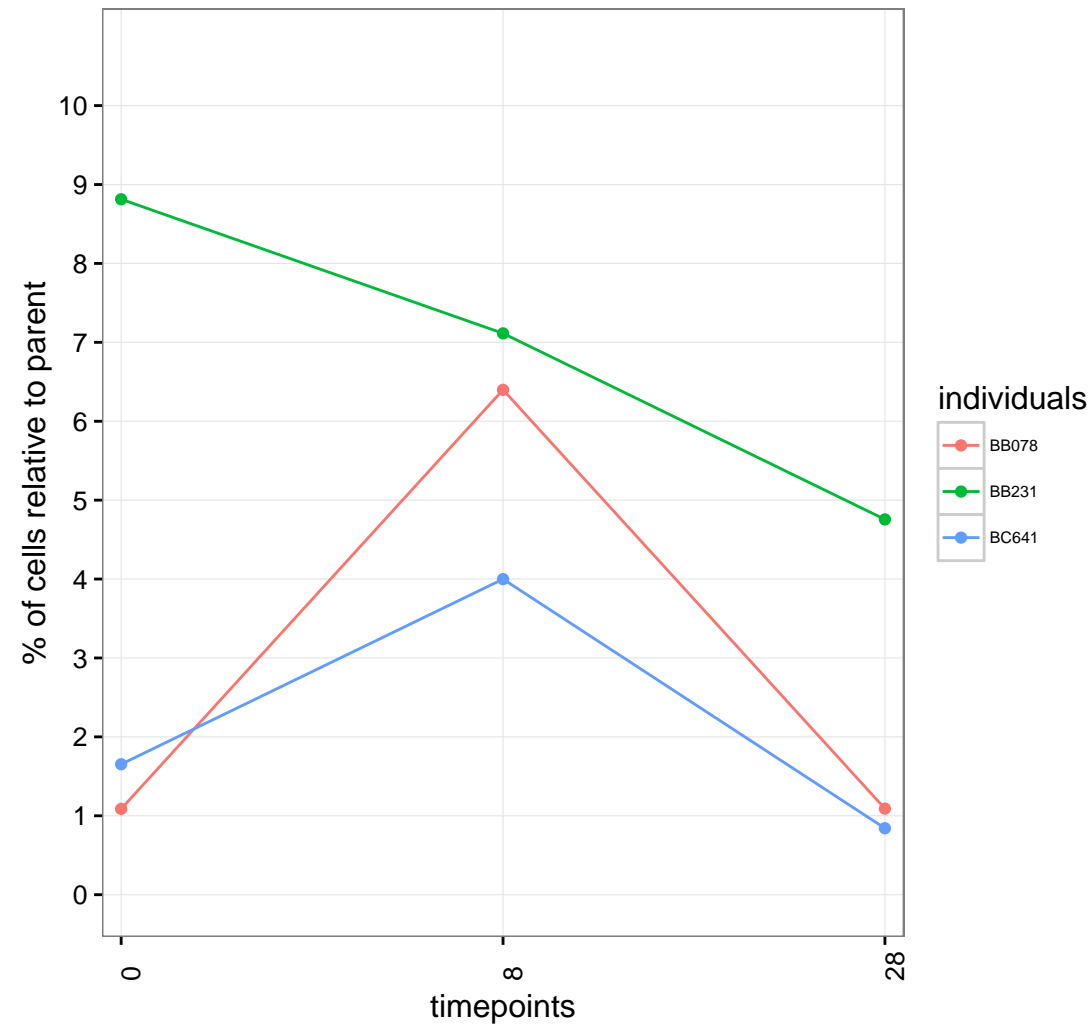
Kinetics Viewer – cluster 19 (1 246 cells)



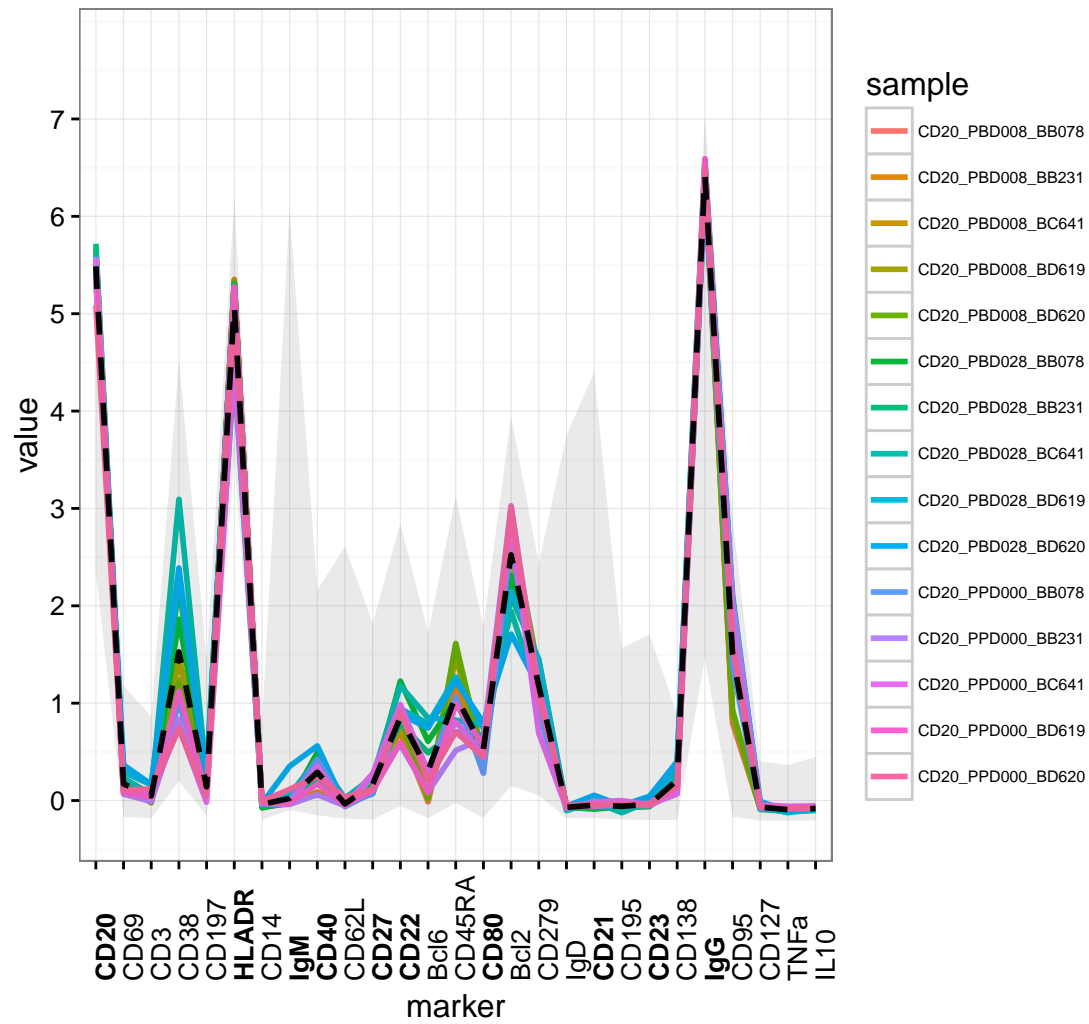
Pheno Viewer – cluster 19 (2 176 cells)



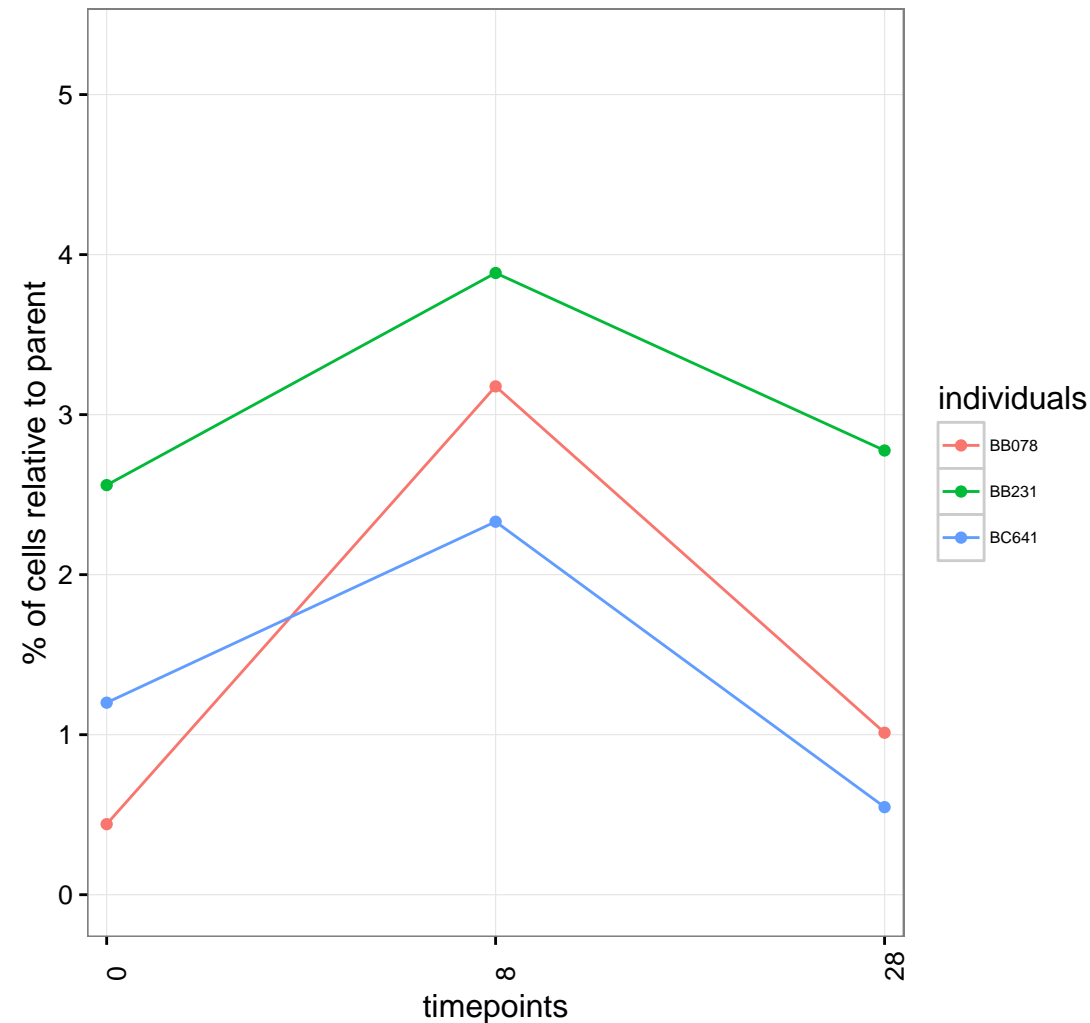
Kinetics Viewer – cluster 20 (4 603 cells)



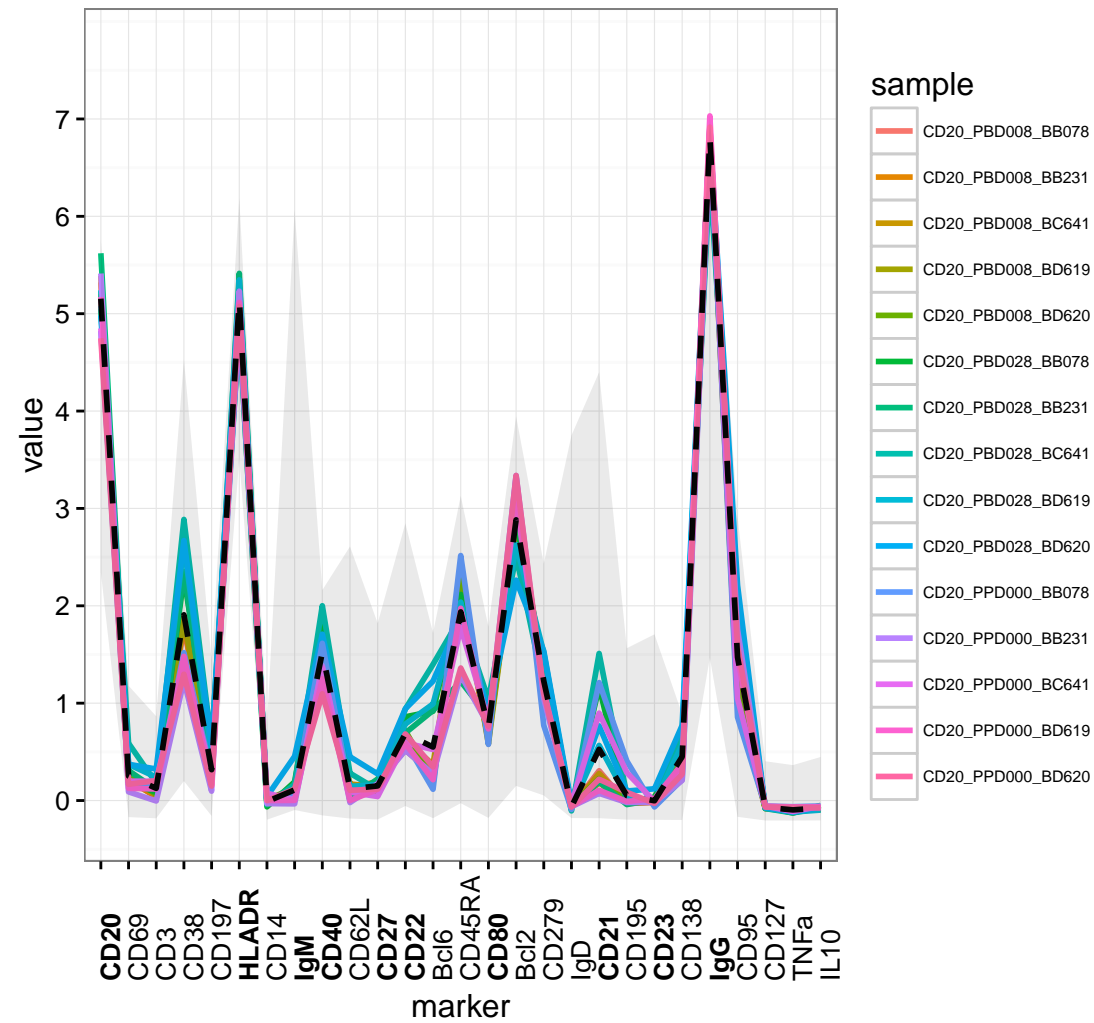
Pheno Viewer – cluster 20 (8 711 cells)



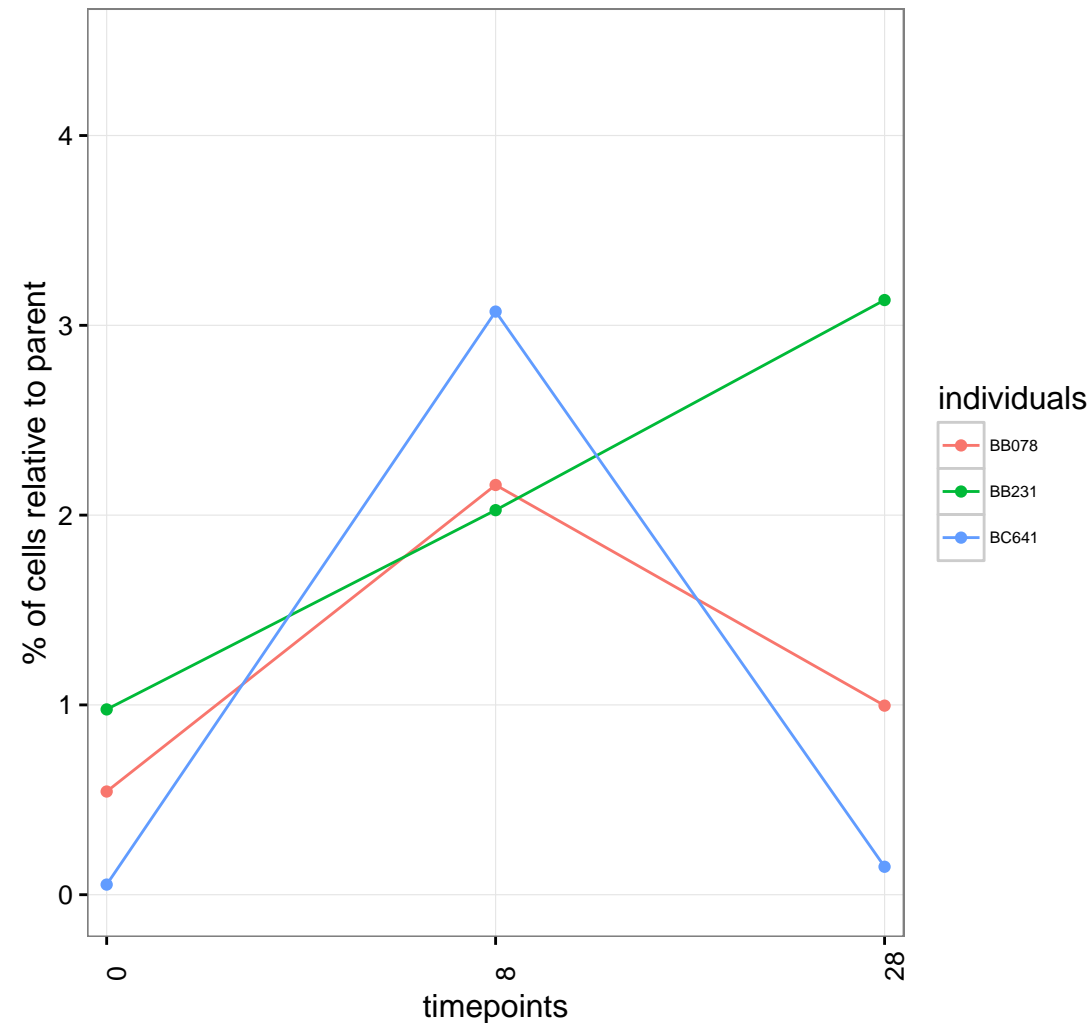
Kinetics Viewer – cluster 21 (2 285 cells)



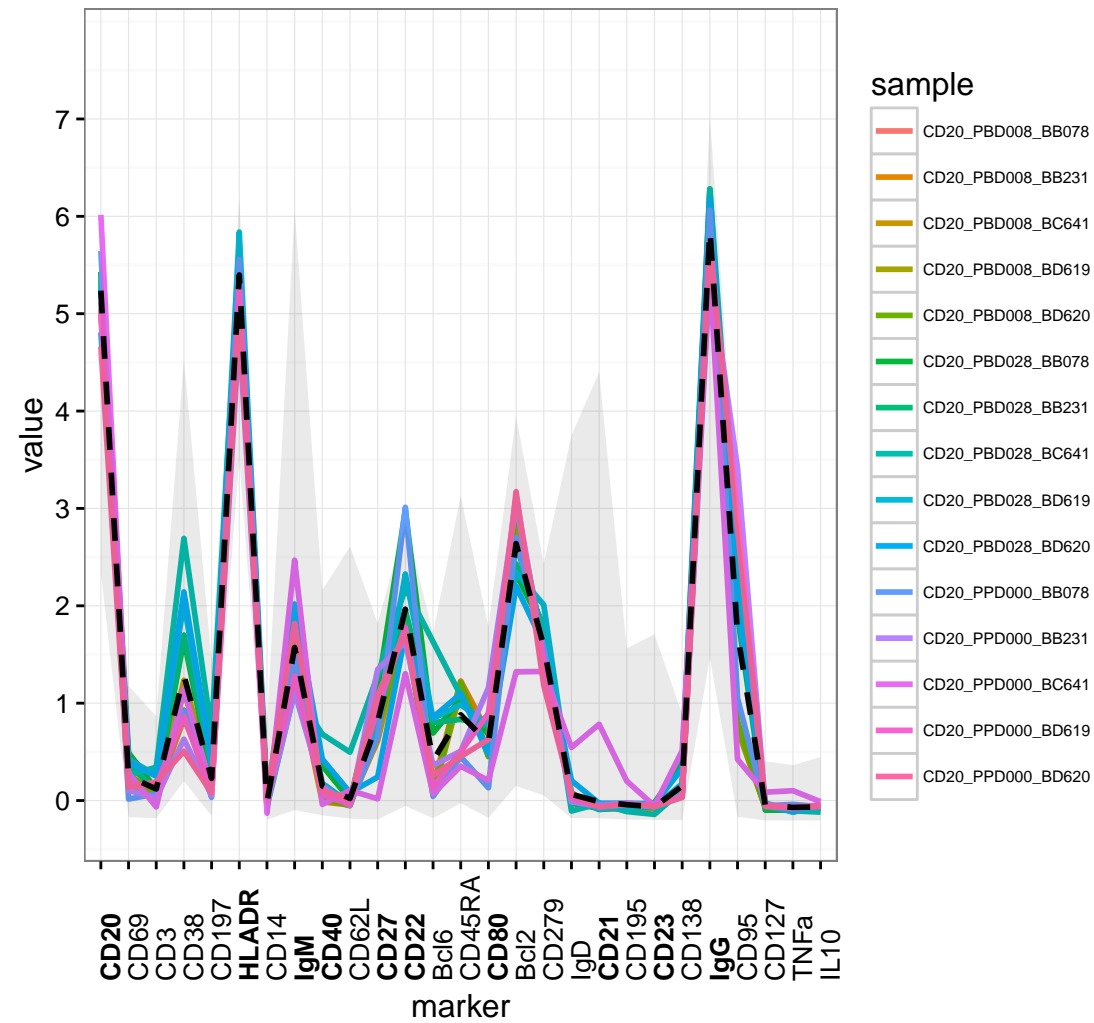
Pheno Viewer – cluster 21 (3 982 cells)



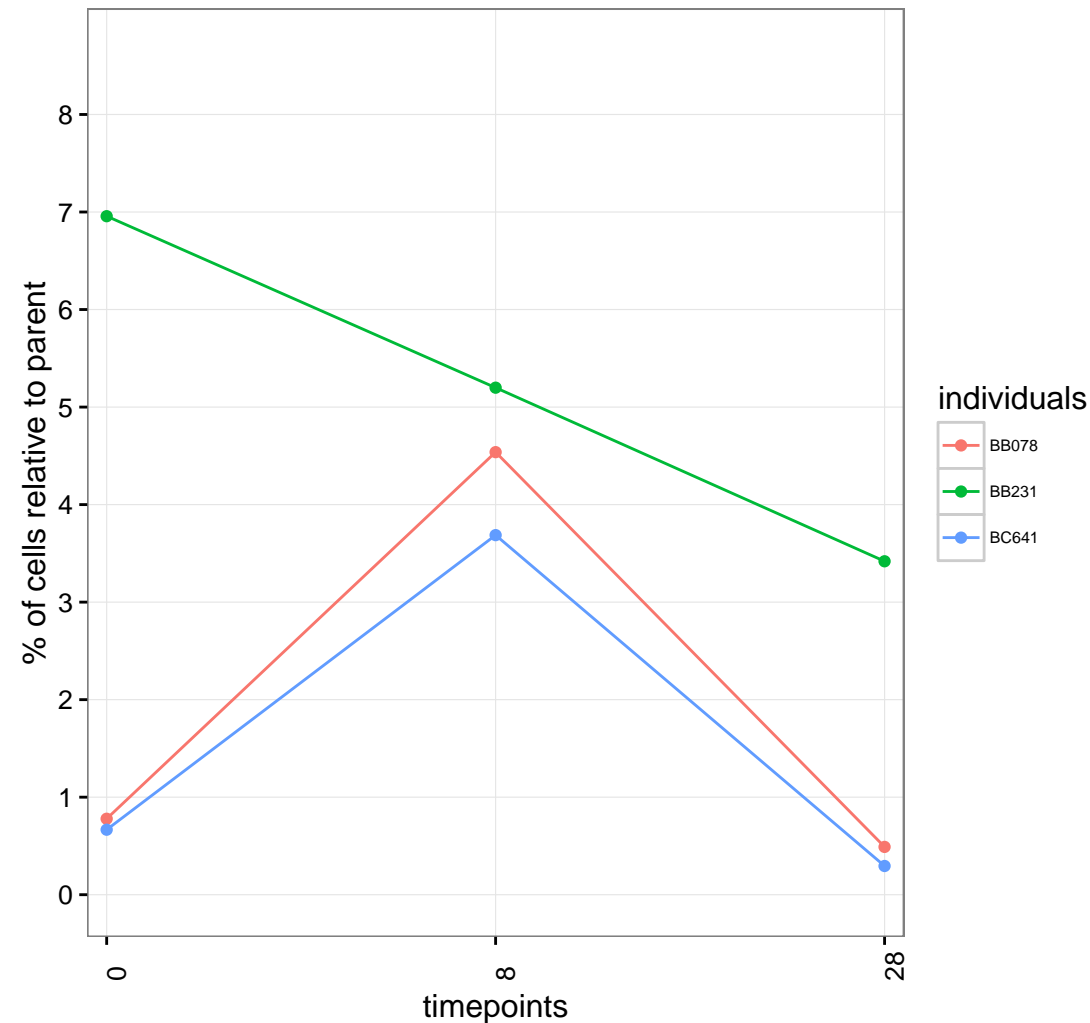
Kinetics Viewer – cluster 22 (1 767 cells)



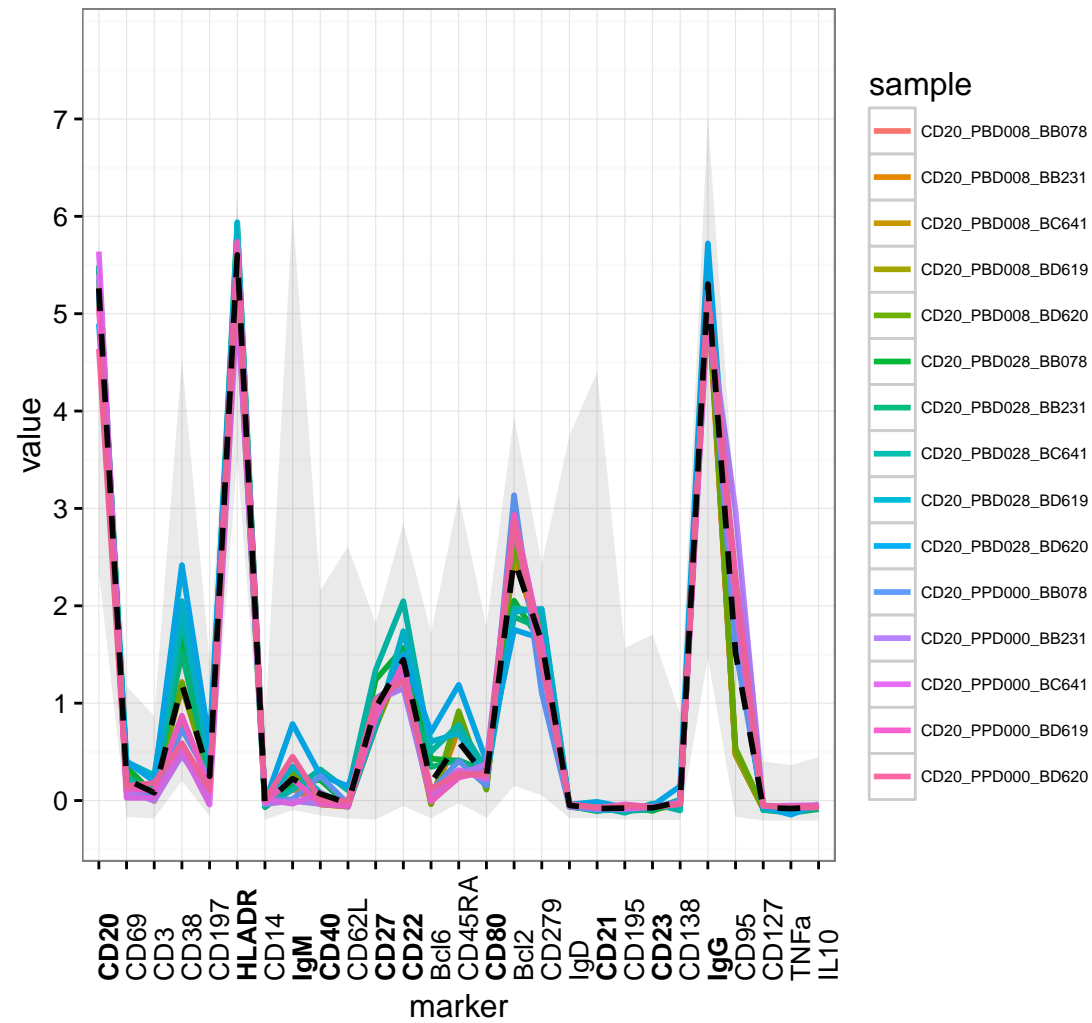
Pheno Viewer – cluster 22 (5 665 cells)



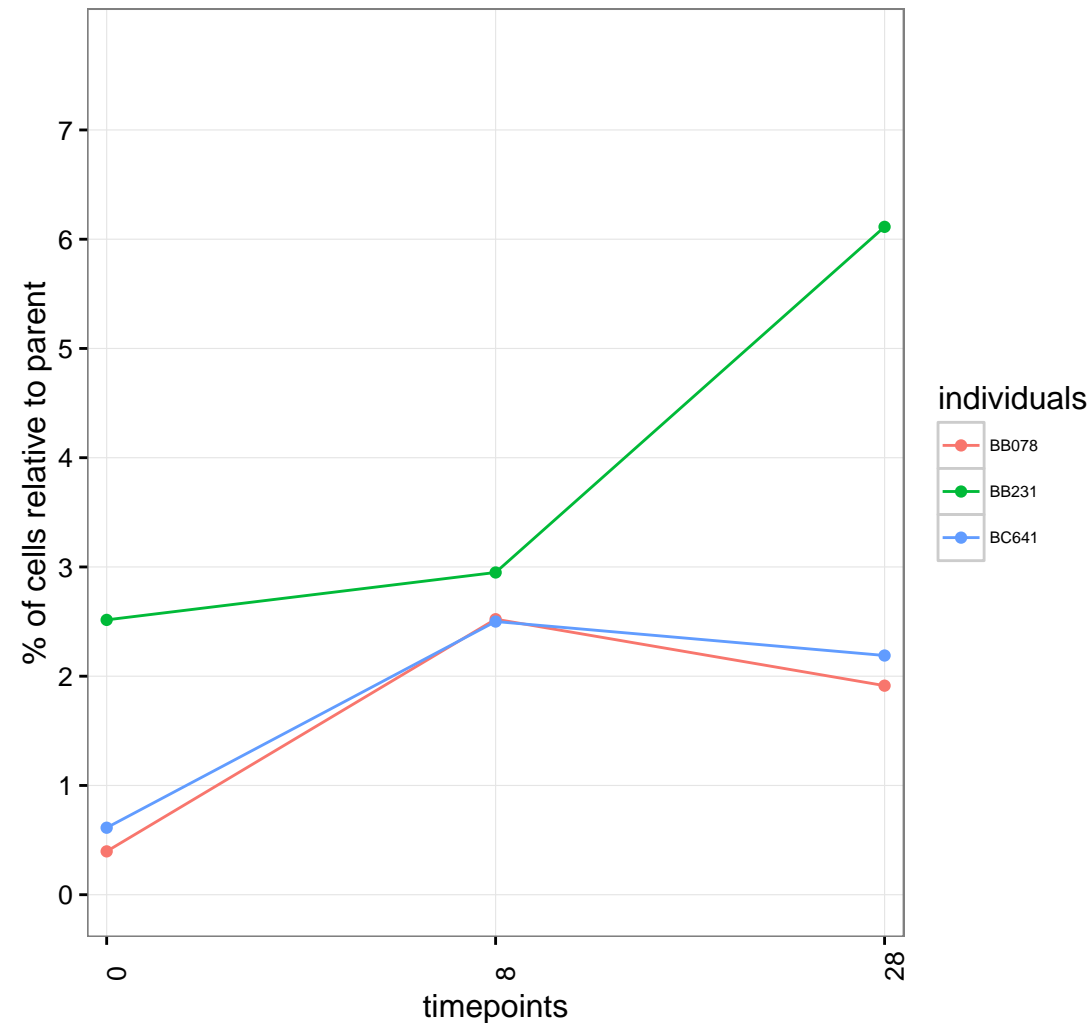
Kinetics Viewer – cluster 23 (3 484 cells)



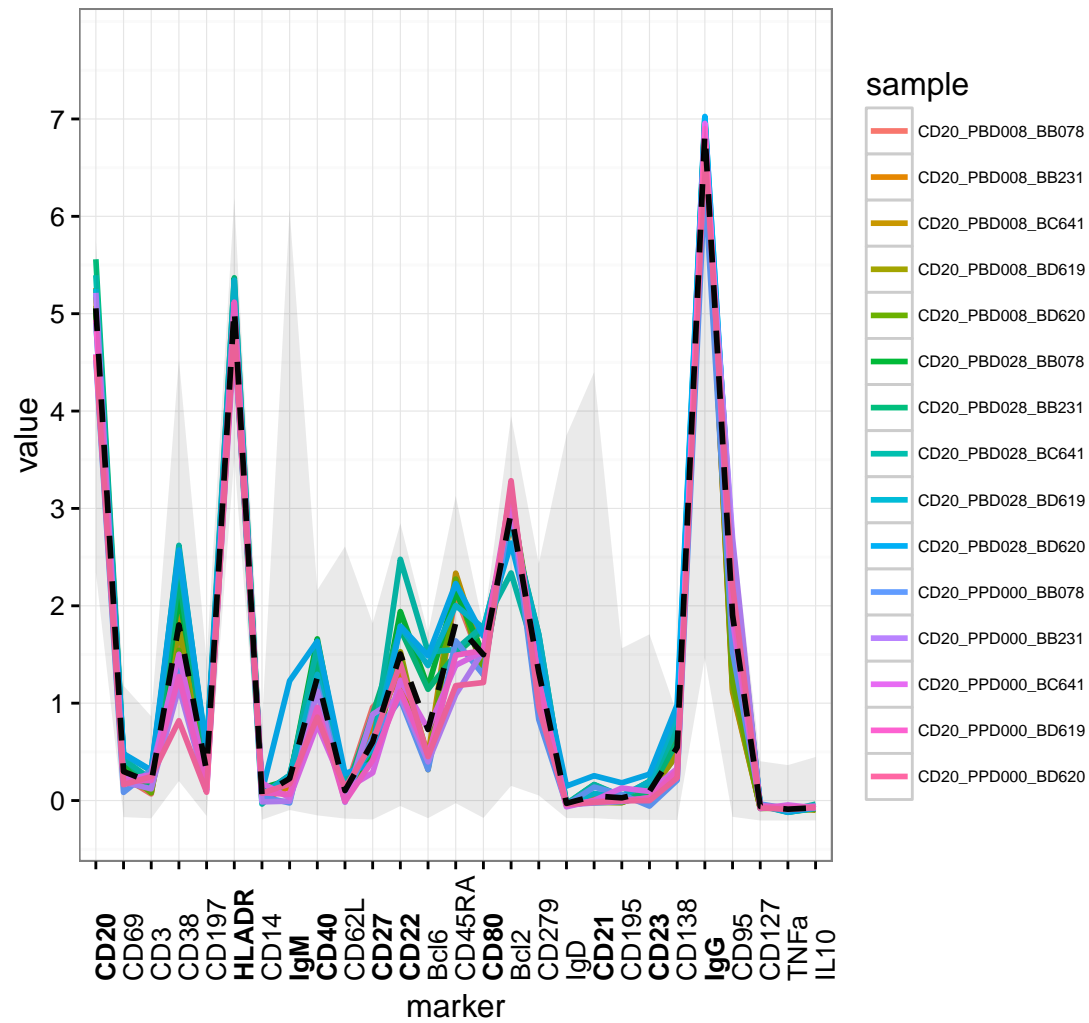
Pheno Viewer – cluster 23 (6 917 cells)



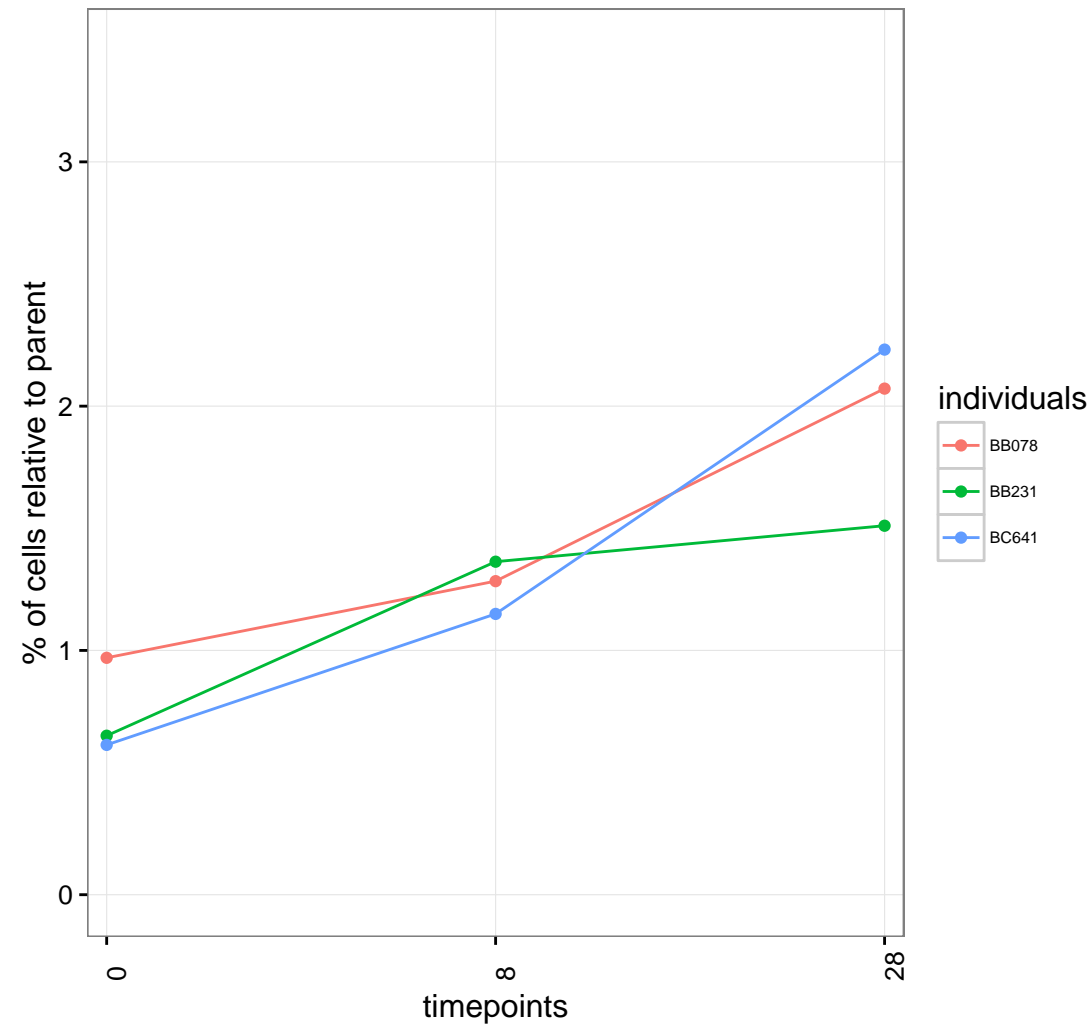
Kinetics Viewer – cluster 24 (2 497 cells)



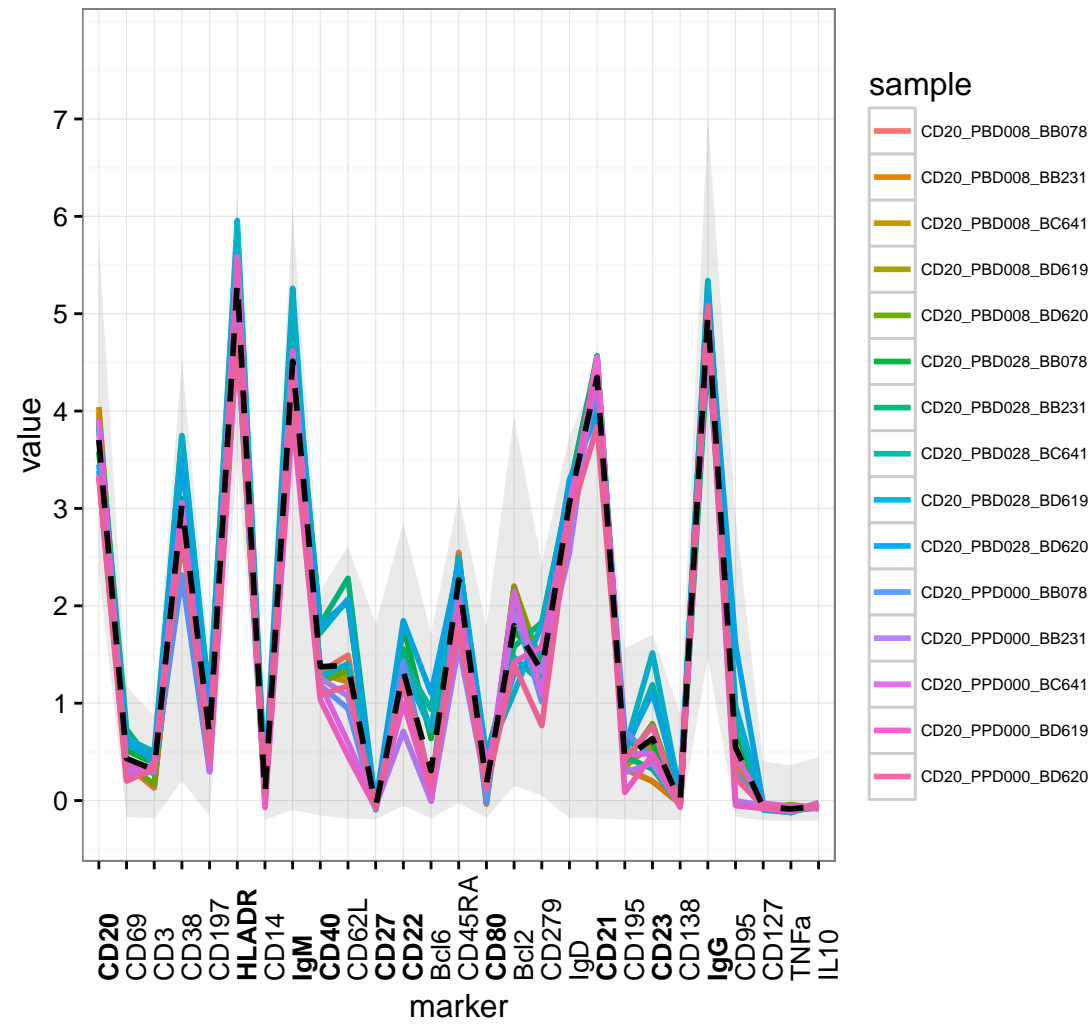
Pheno Viewer – cluster 24 (5 234 cells)



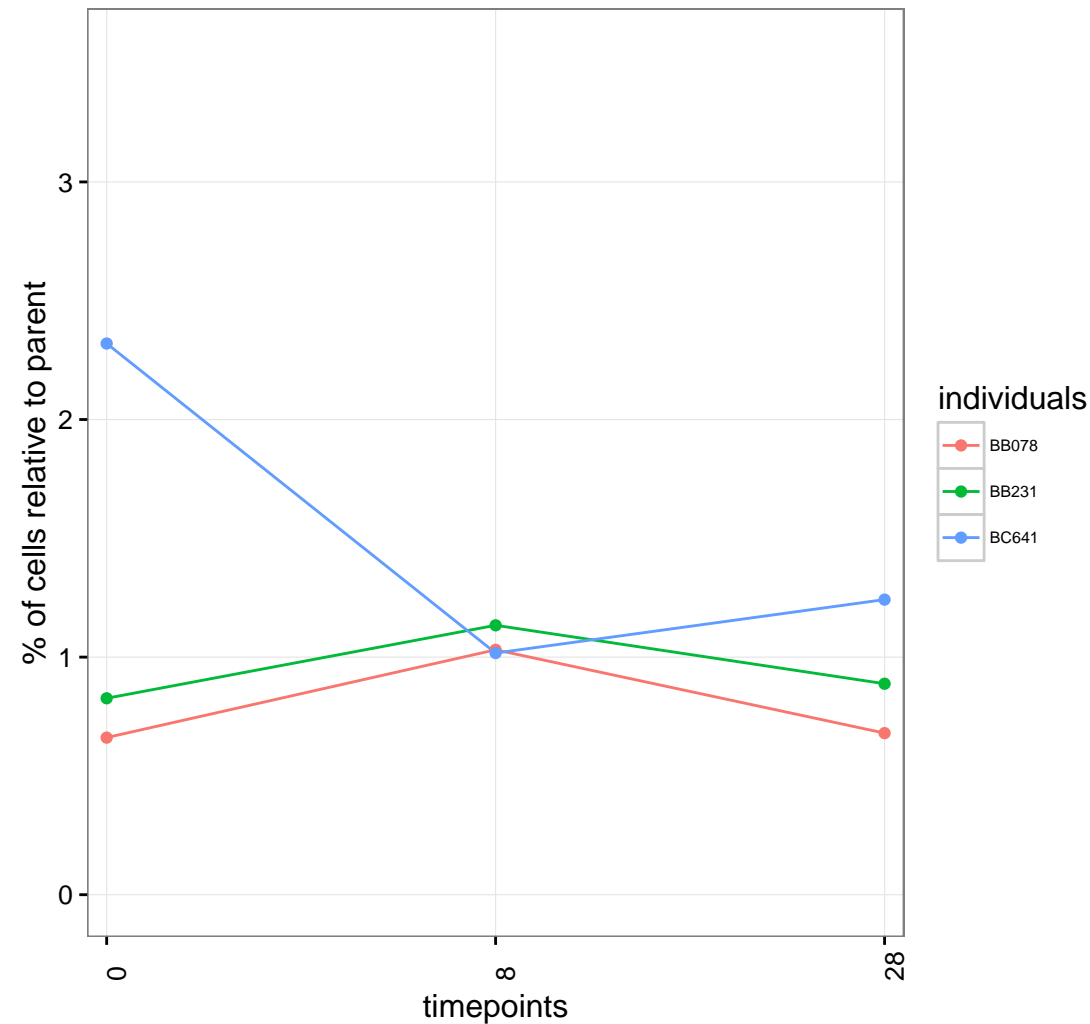
Kinetics Viewer – cluster 25 (1 183 cells)



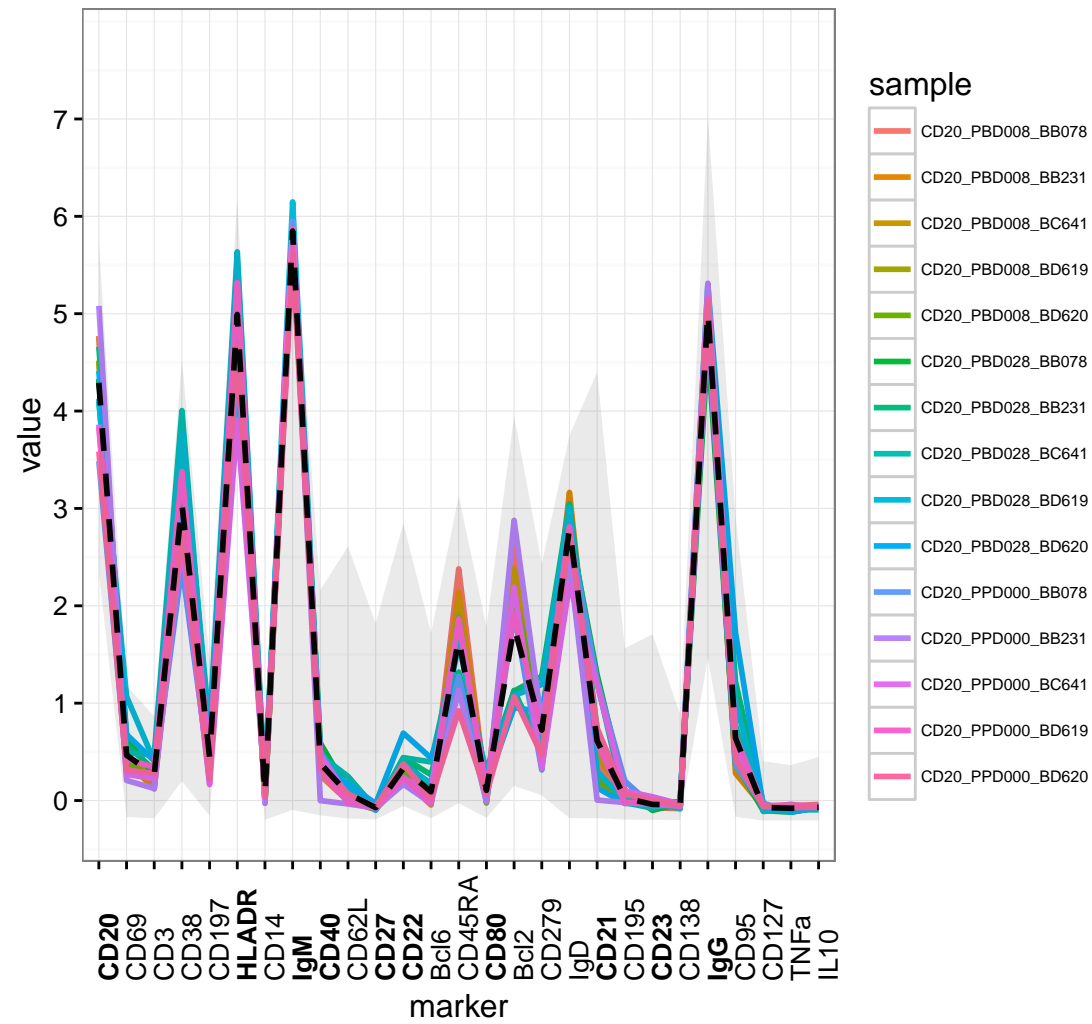
Pheno Viewer – cluster 25 (2 765 cells)



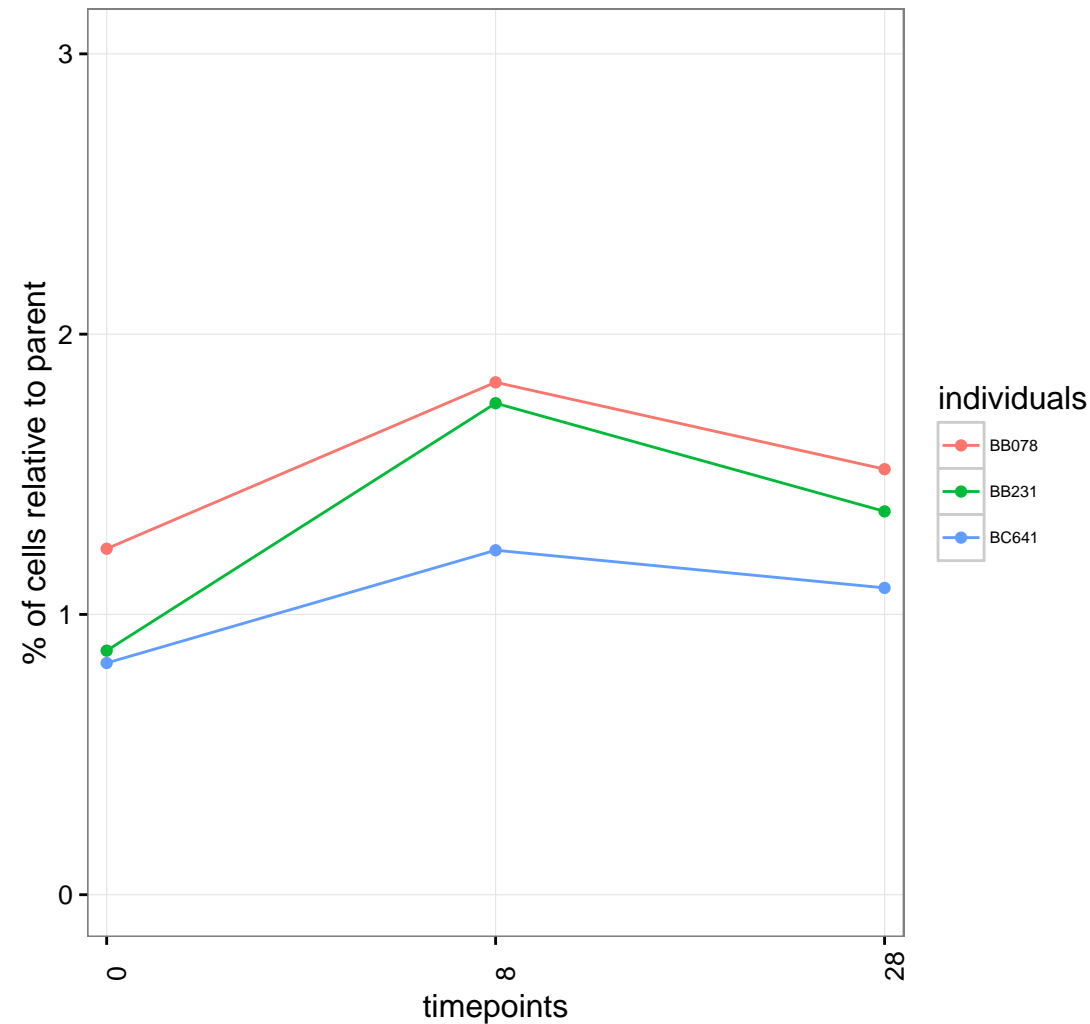
Kinetics Viewer – cluster 26 (949 cells)



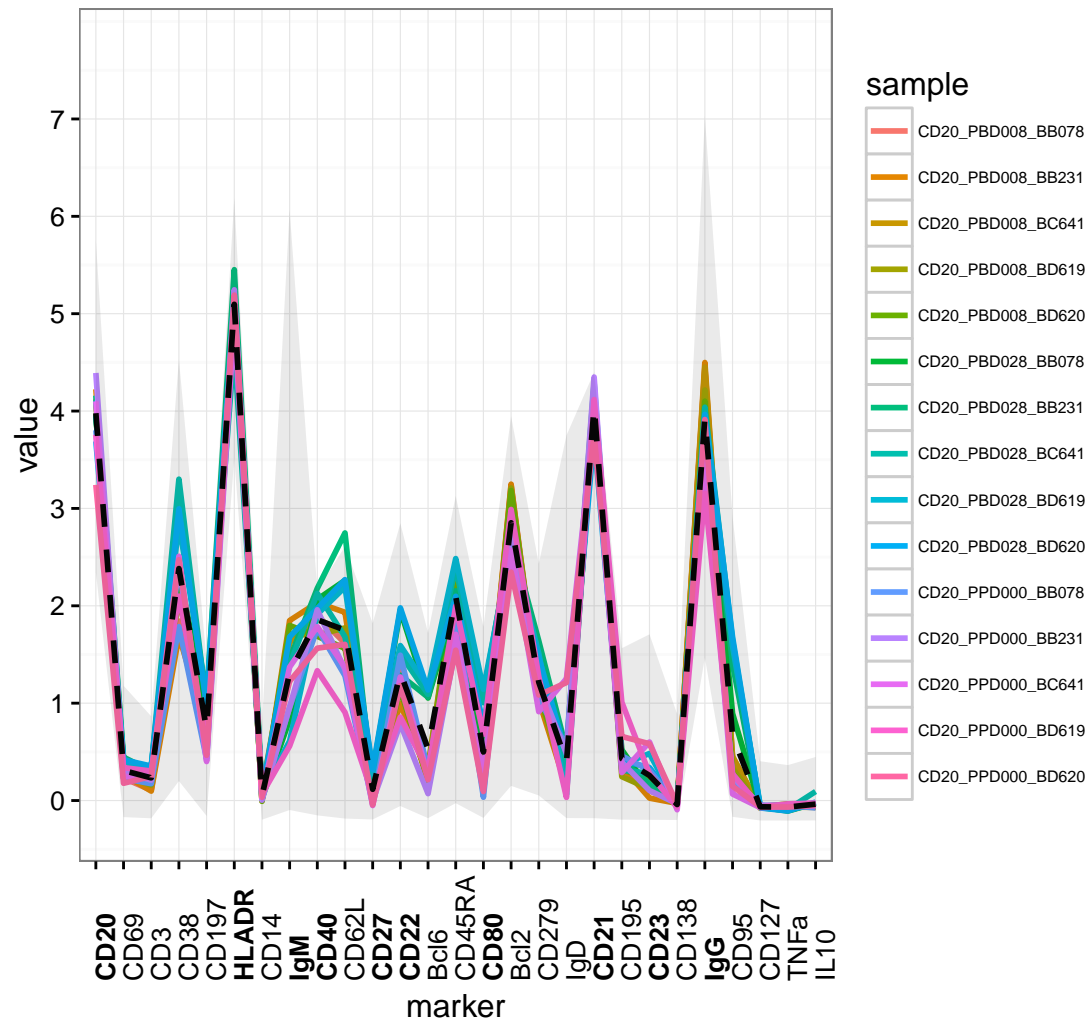
Pheno Viewer – cluster 26 (2 356 cells)



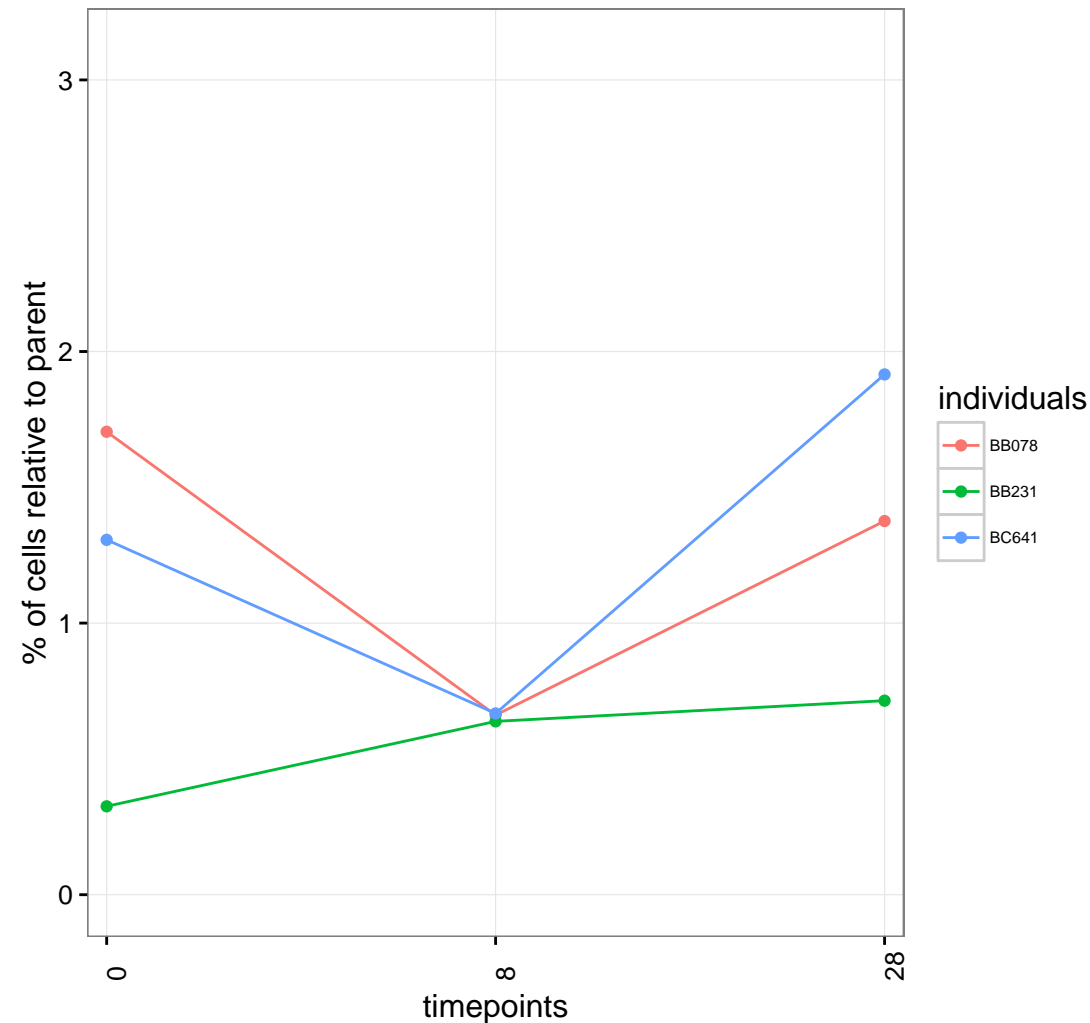
Kinetics Viewer – cluster 27 (1 293 cells)



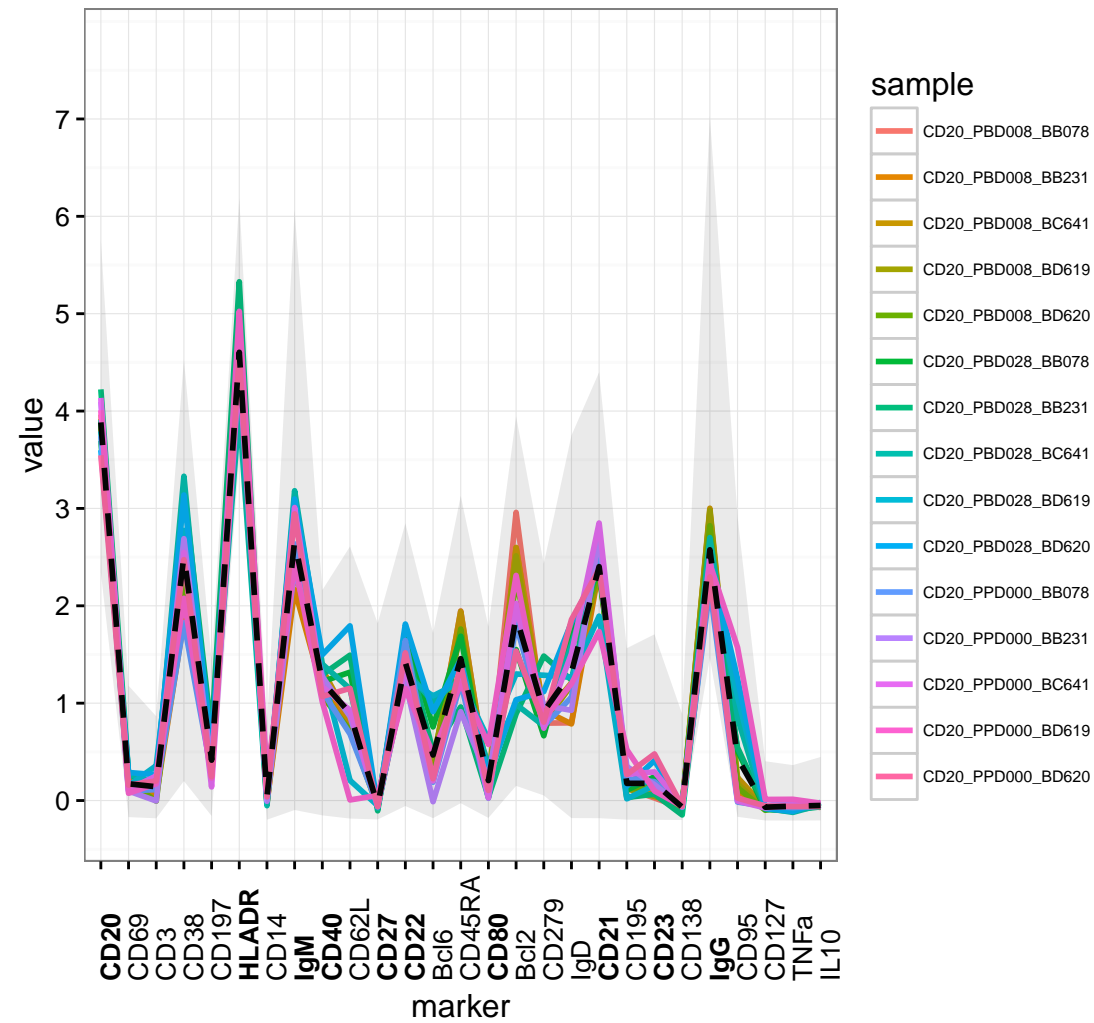
Pheno Viewer – cluster 27 (2 534 cells)



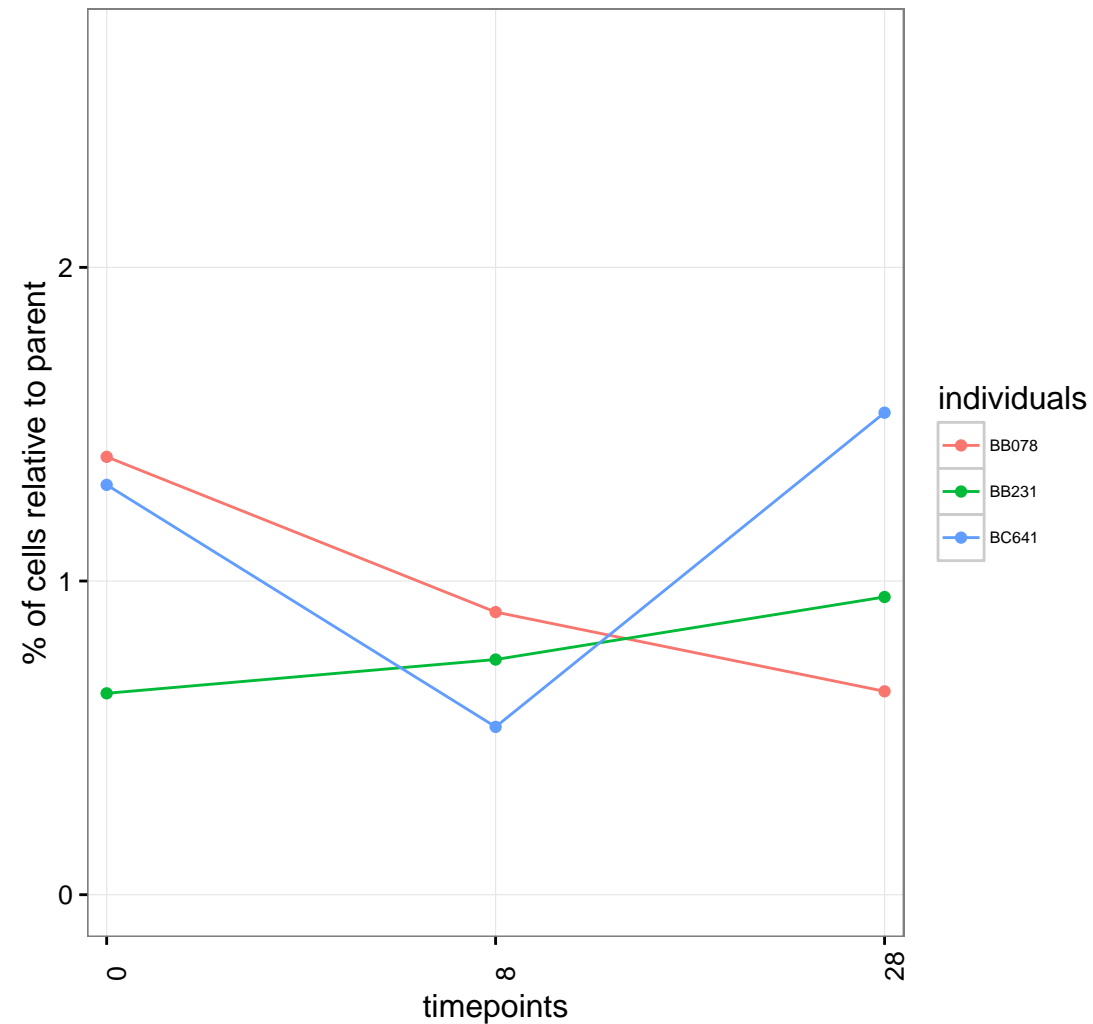
Kinetics Viewer – cluster 28 (781 cells)



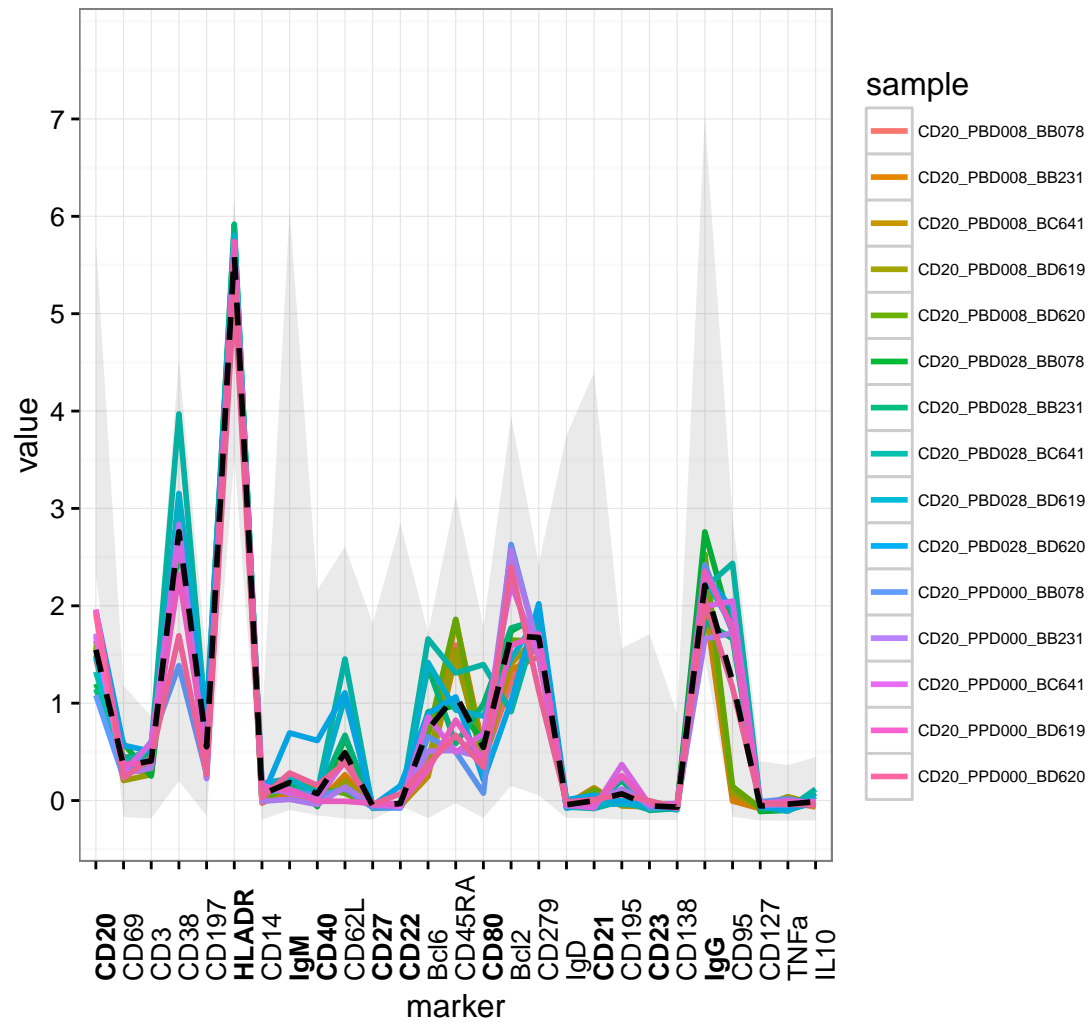
Pheno Viewer – cluster 28 (2 619 cells)



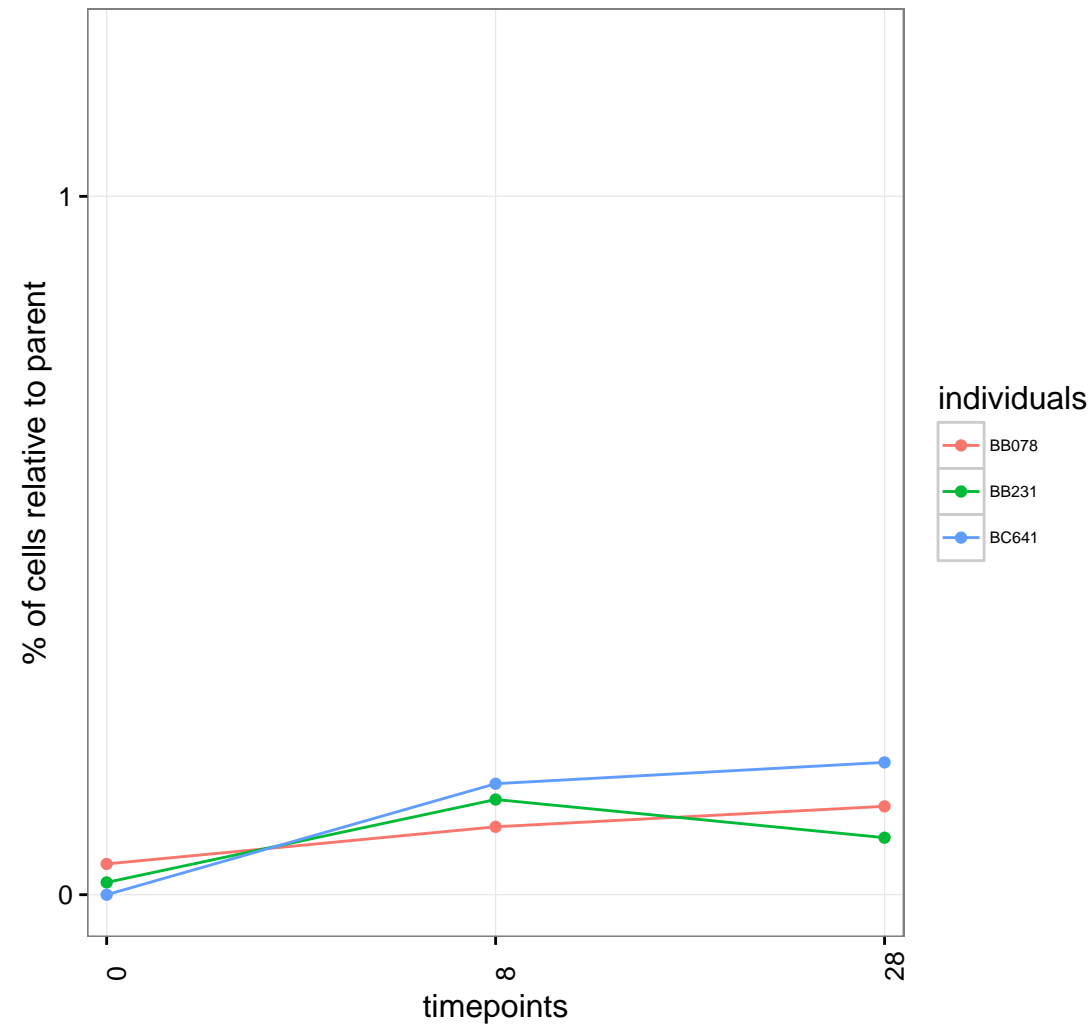
Kinetics Viewer – cluster 29 (785 cells)



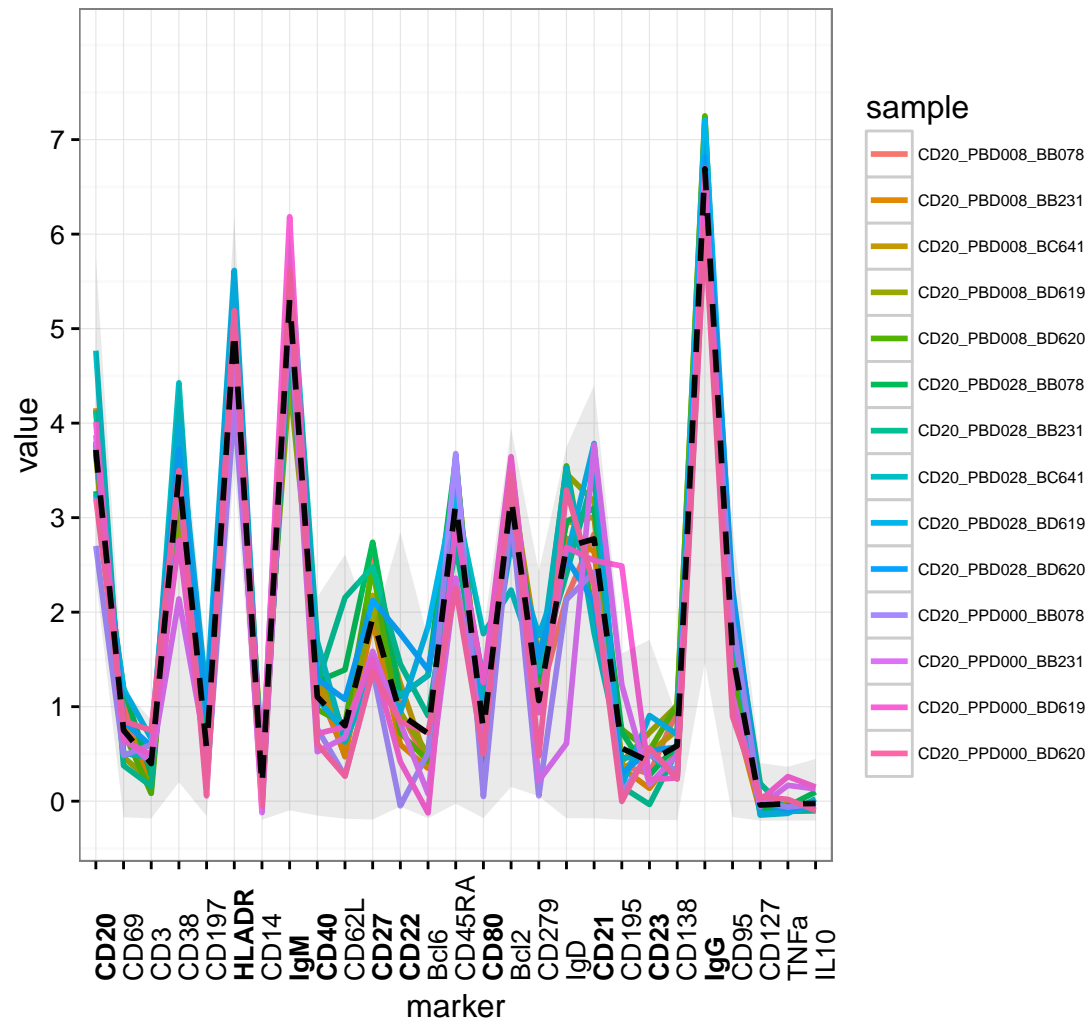
Pheno Viewer – cluster 29 (1 299 cells)



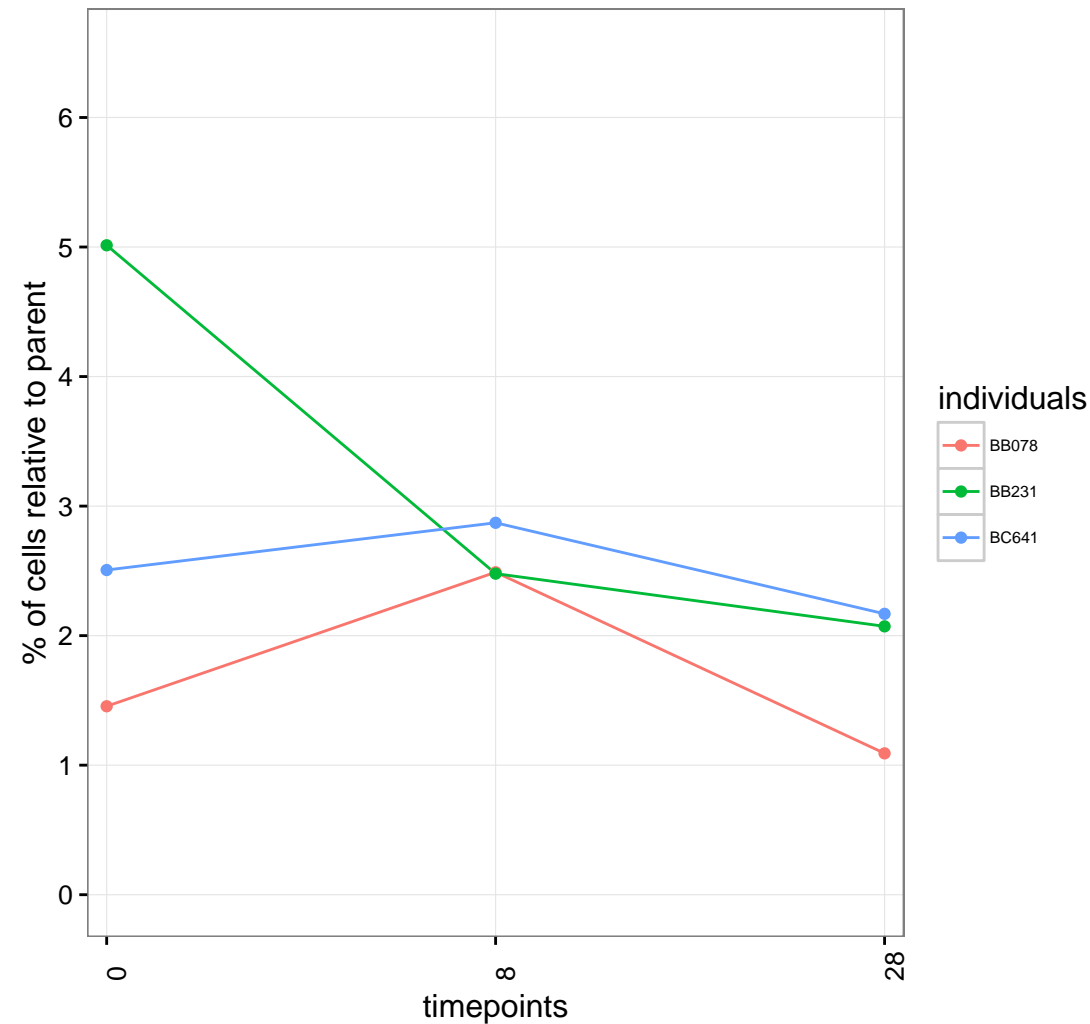
Kinetics Viewer – cluster 30 (97 cells)



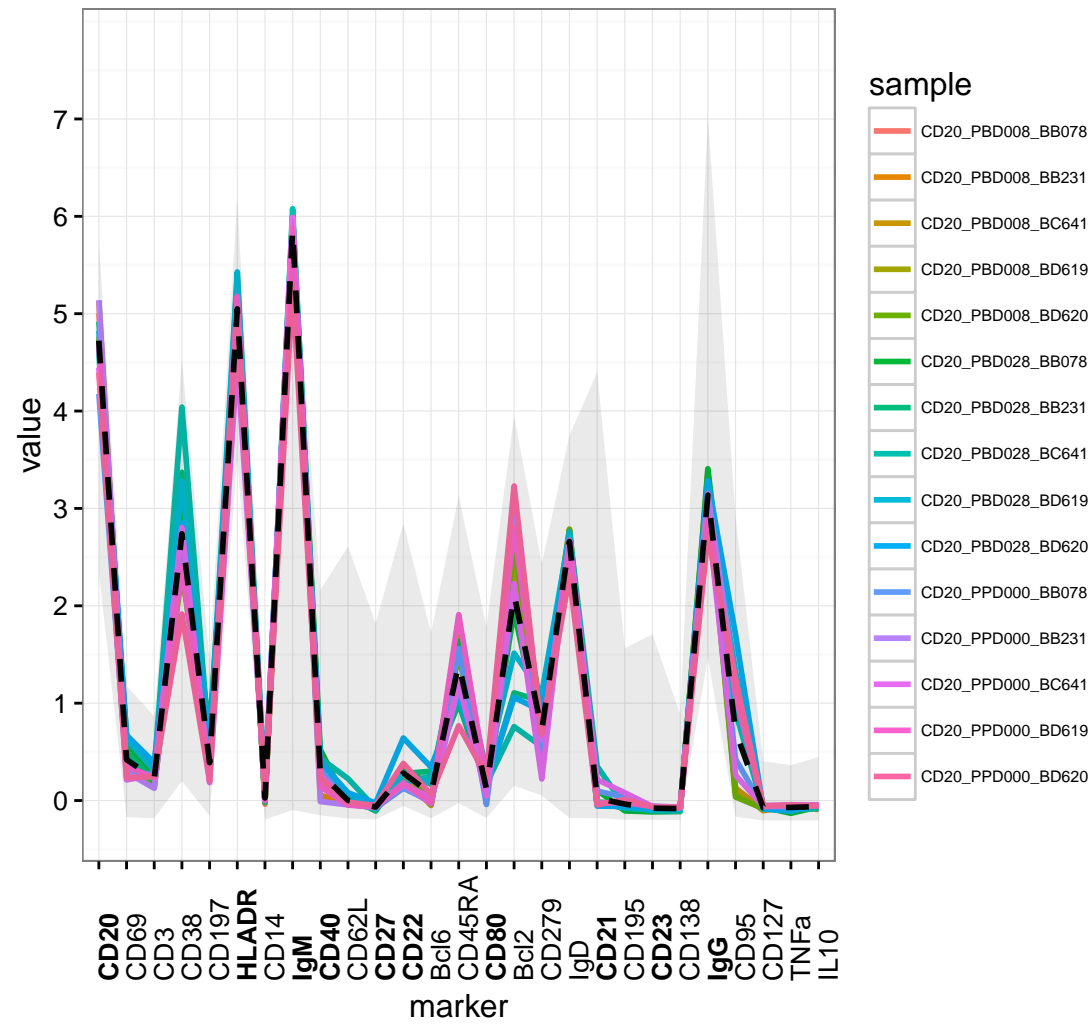
Pheno Viewer – cluster 30 (281 cells)



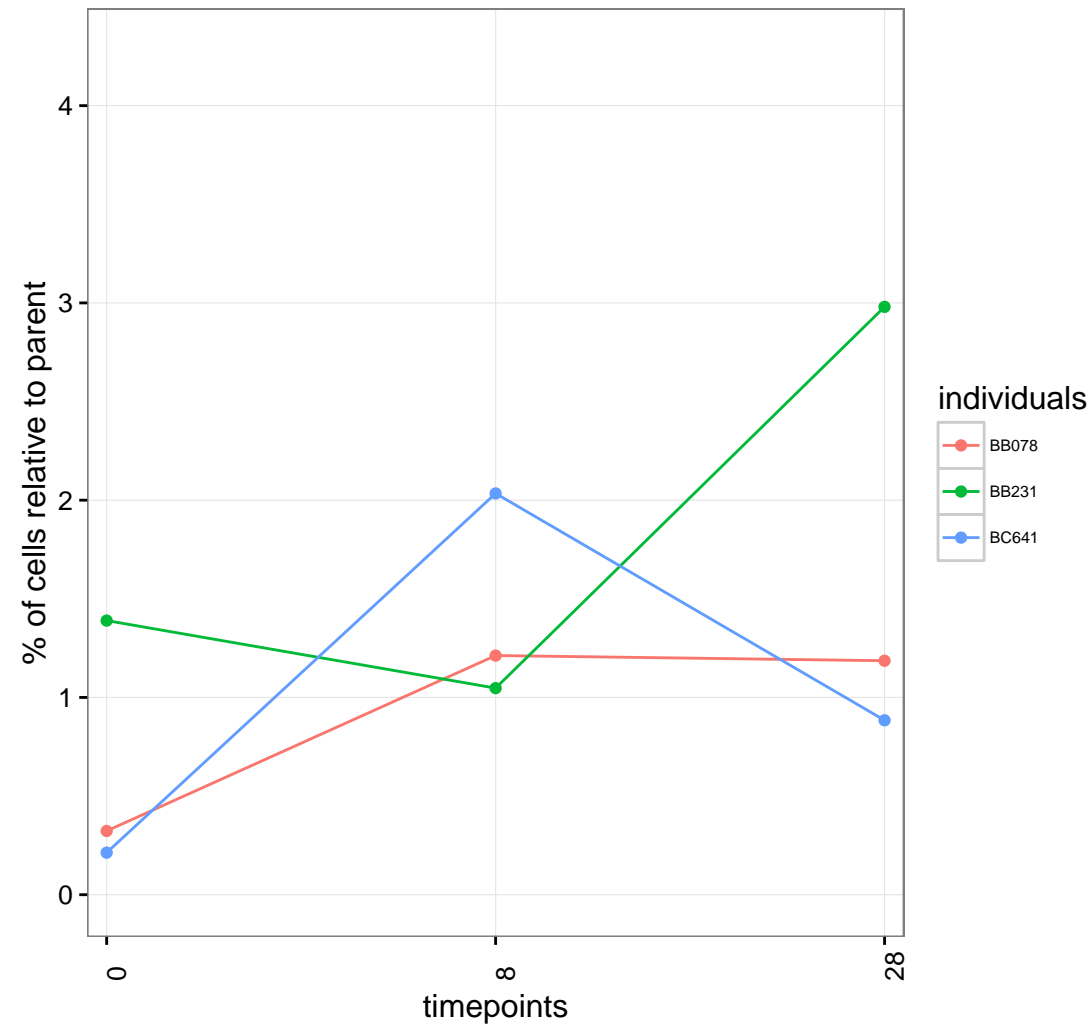
Kinetics Viewer – cluster 31 (2 464 cells)



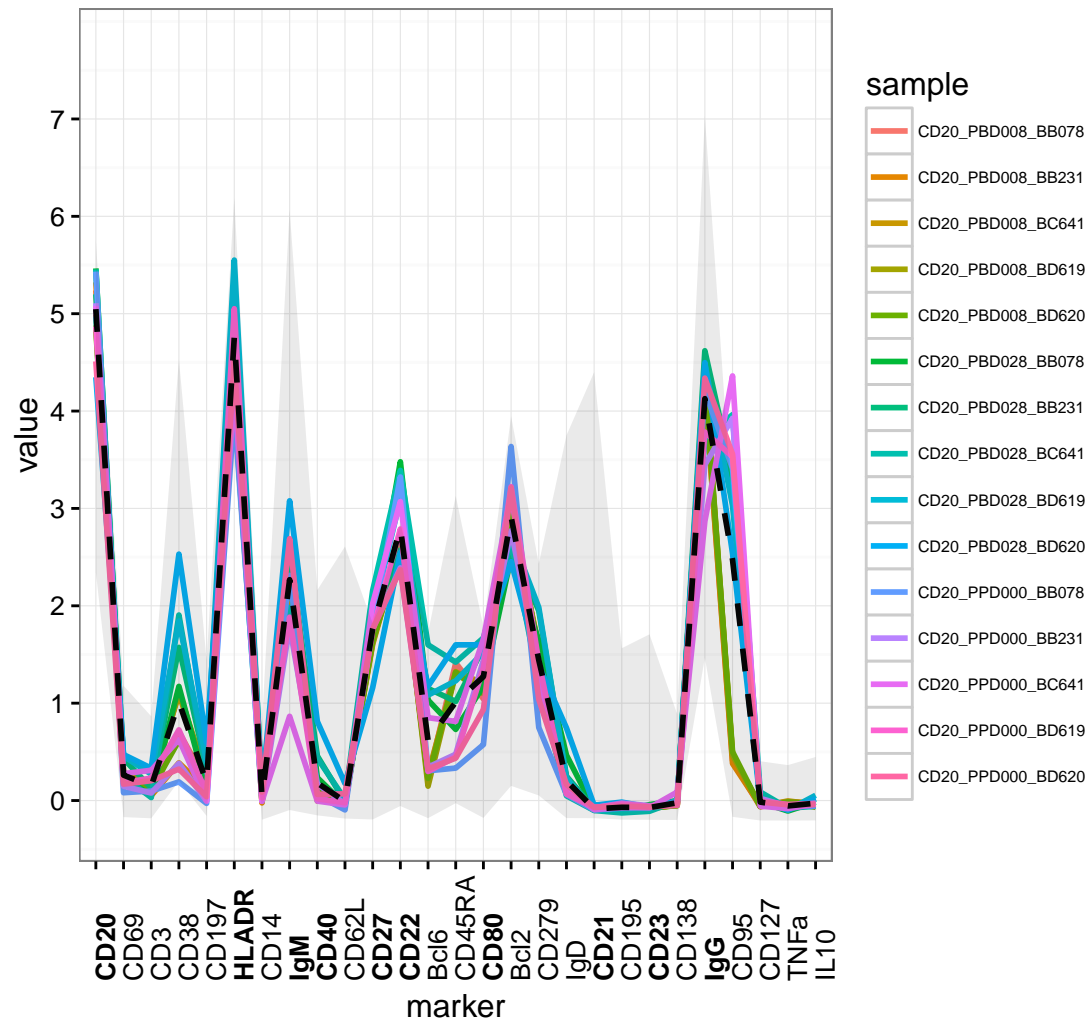
Pheno Viewer – cluster 31 (7 033 cells)



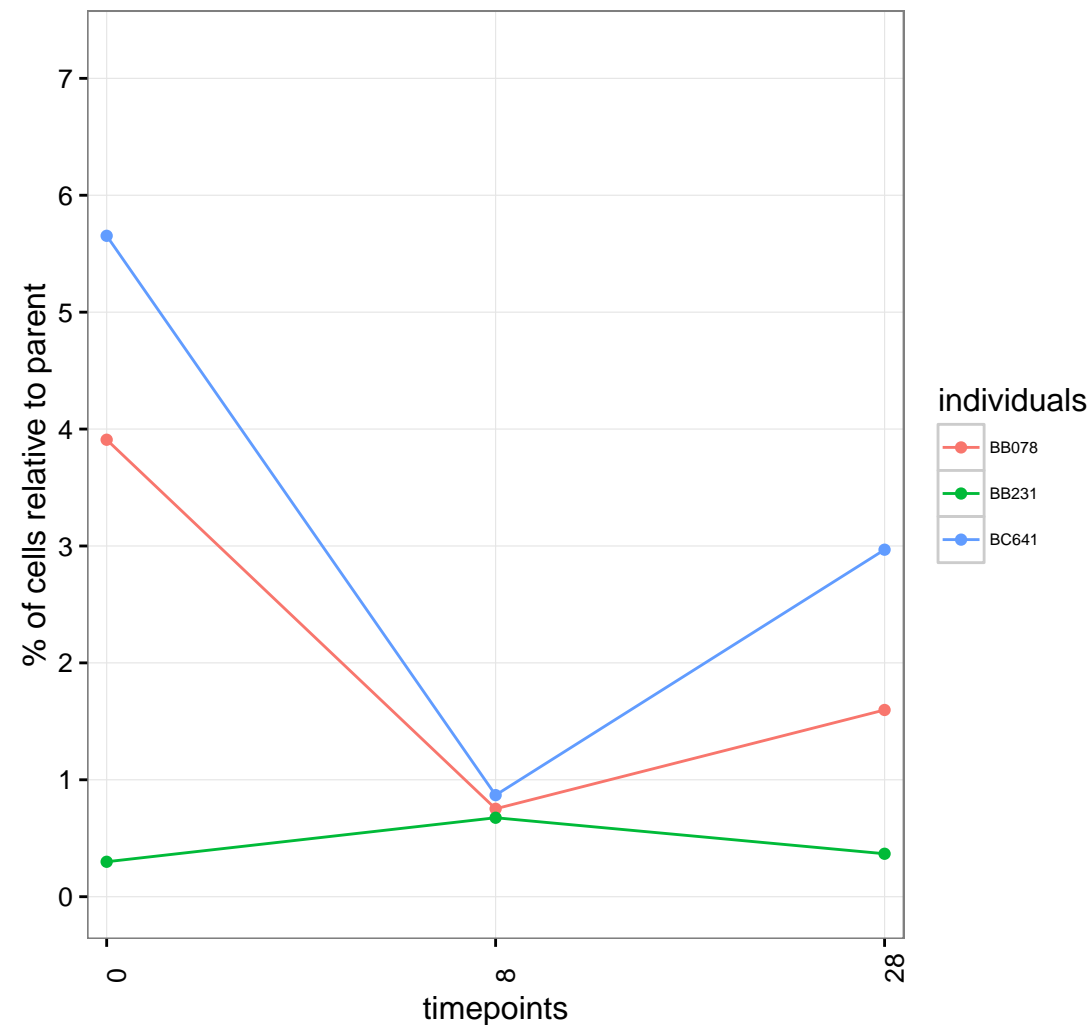
Kinetics Viewer – cluster 32 (1 337 cells)



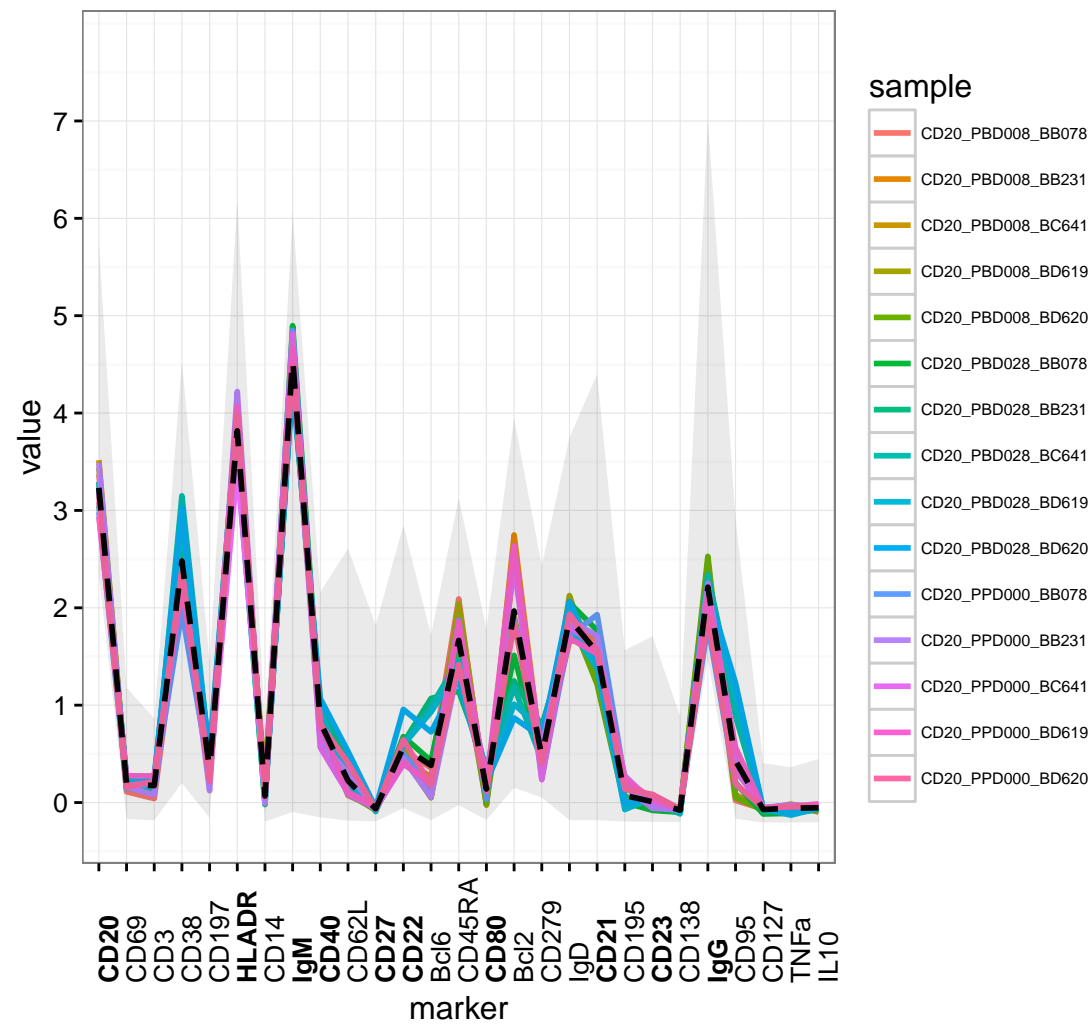
Pheno Viewer – cluster 32 (3 981 cells)



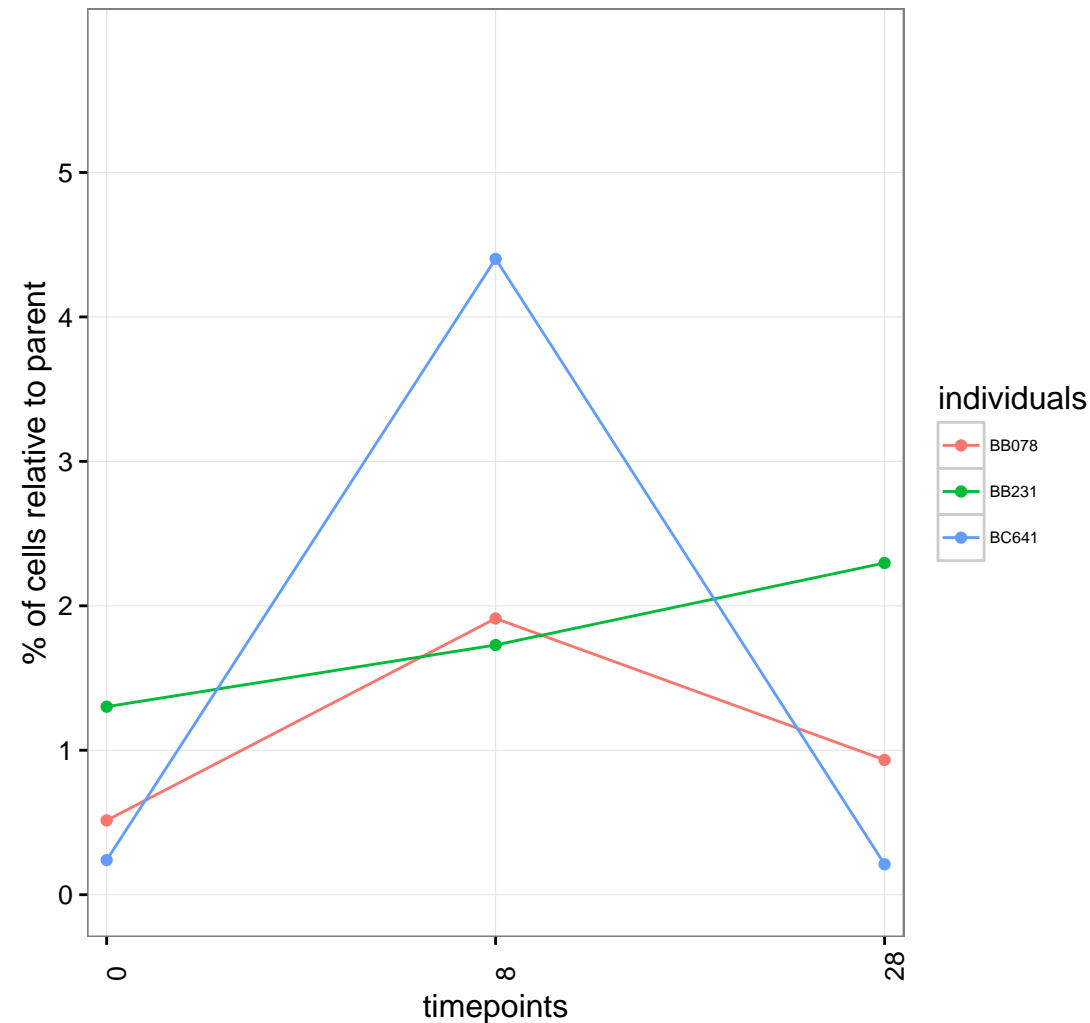
Kinetics Viewer – cluster 33 (1 179 cells)



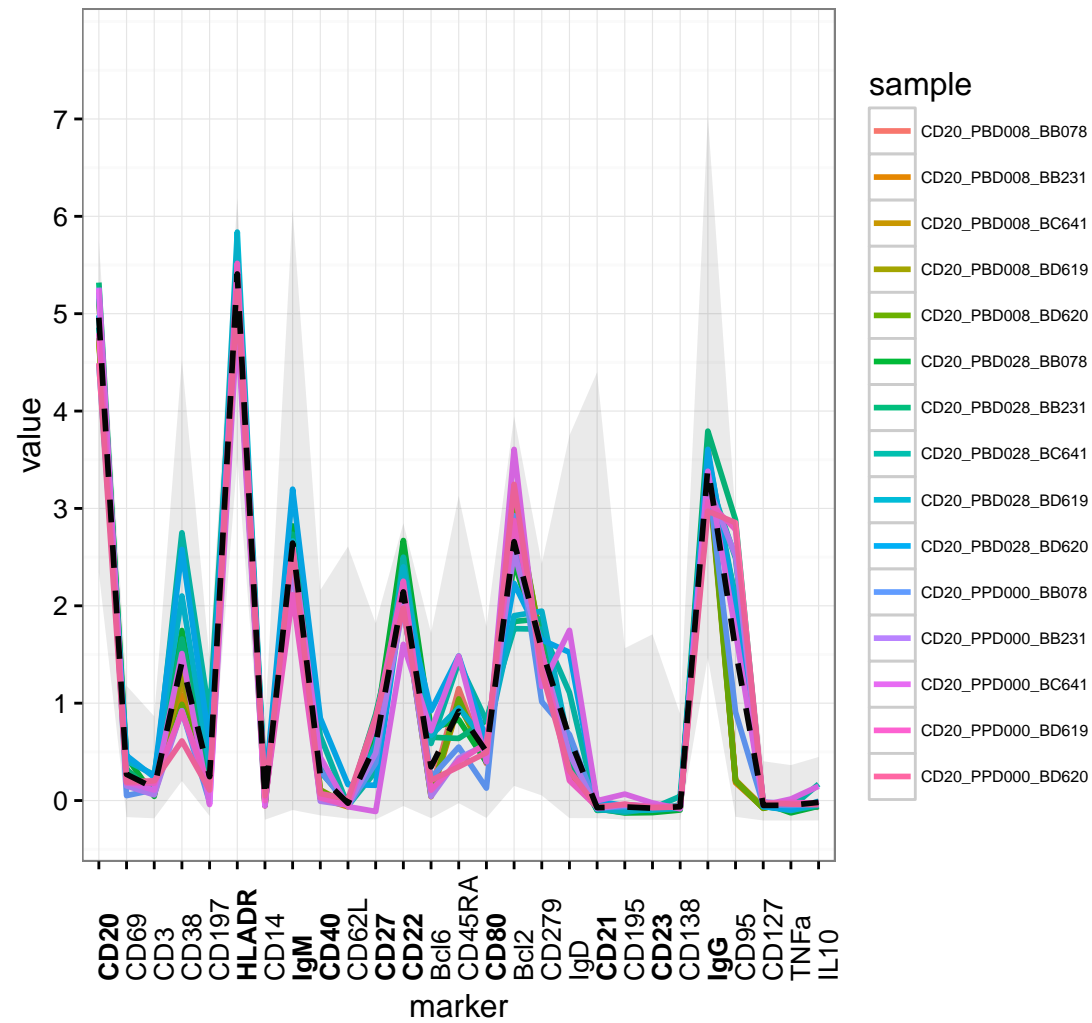
Pheno Viewer – cluster 33 (3 099 cells)



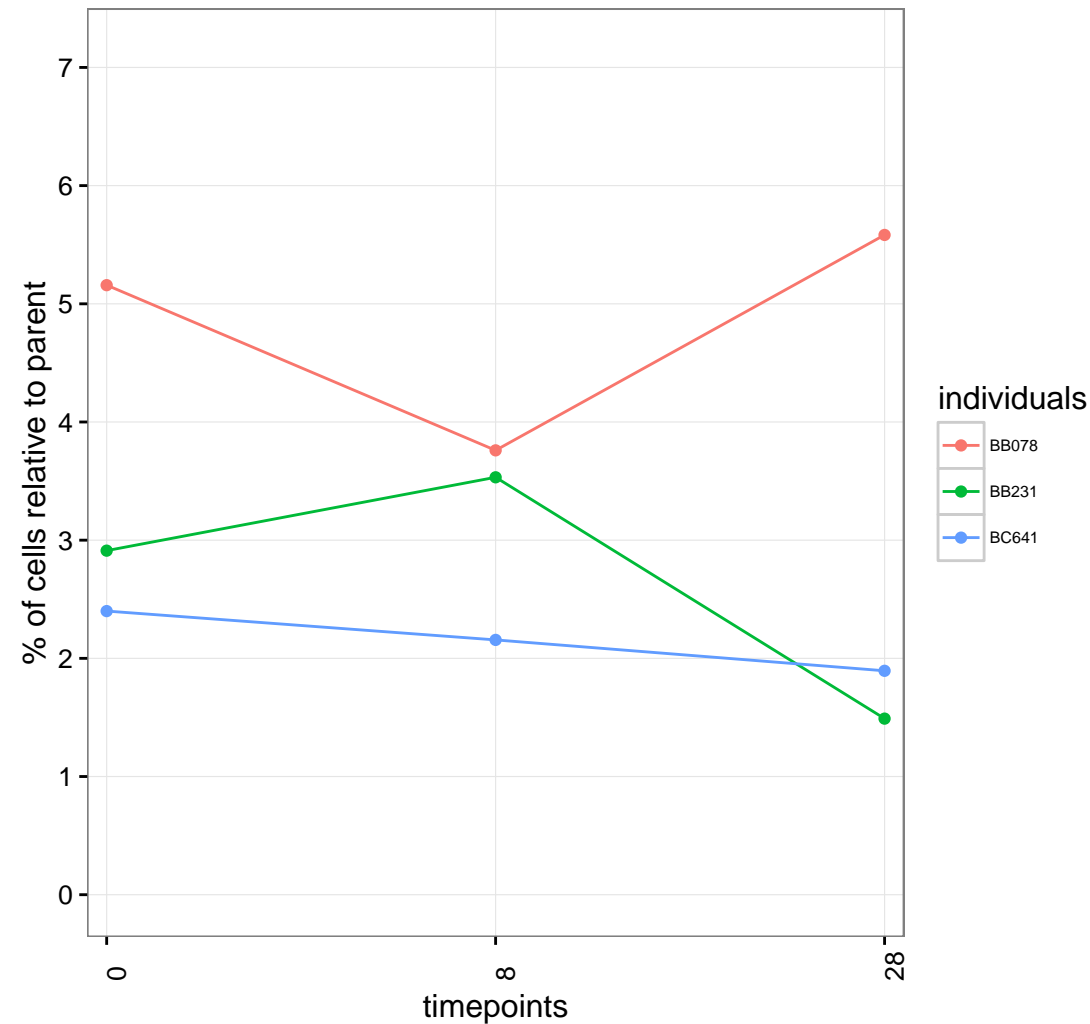
Kinetics Viewer – cluster 34 (1 891 cells)



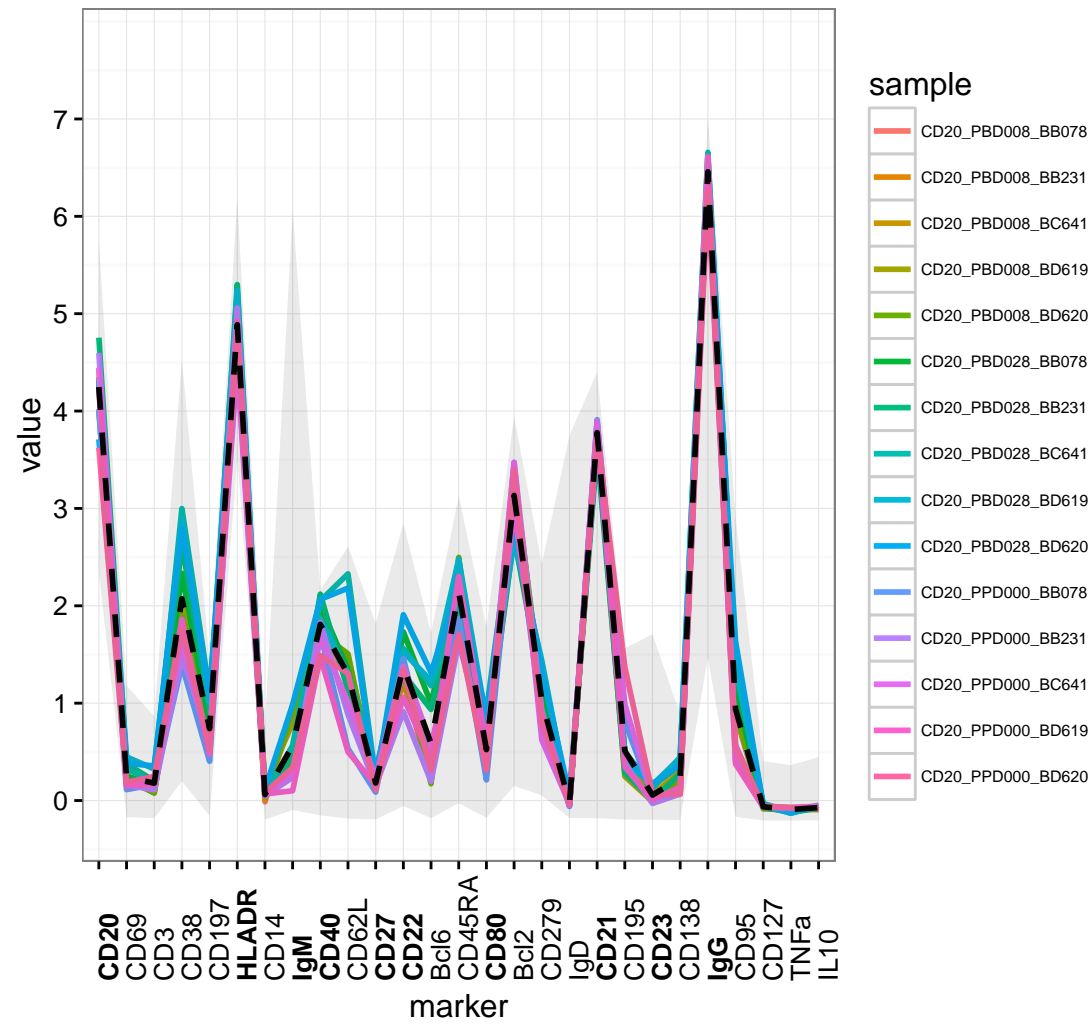
Pheno Viewer – cluster 34 (7 439 cells)



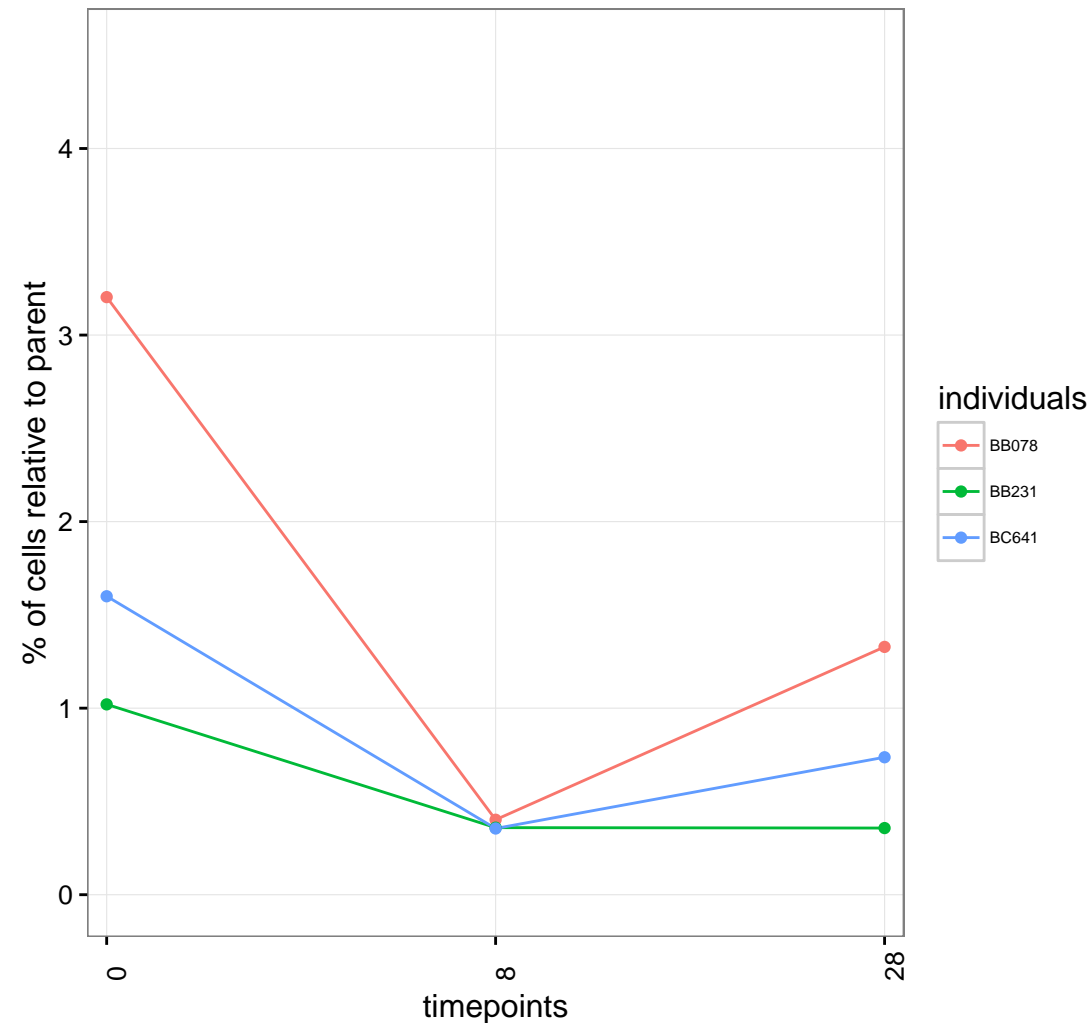
Kinetics Viewer – cluster 35 (2 918 cells)



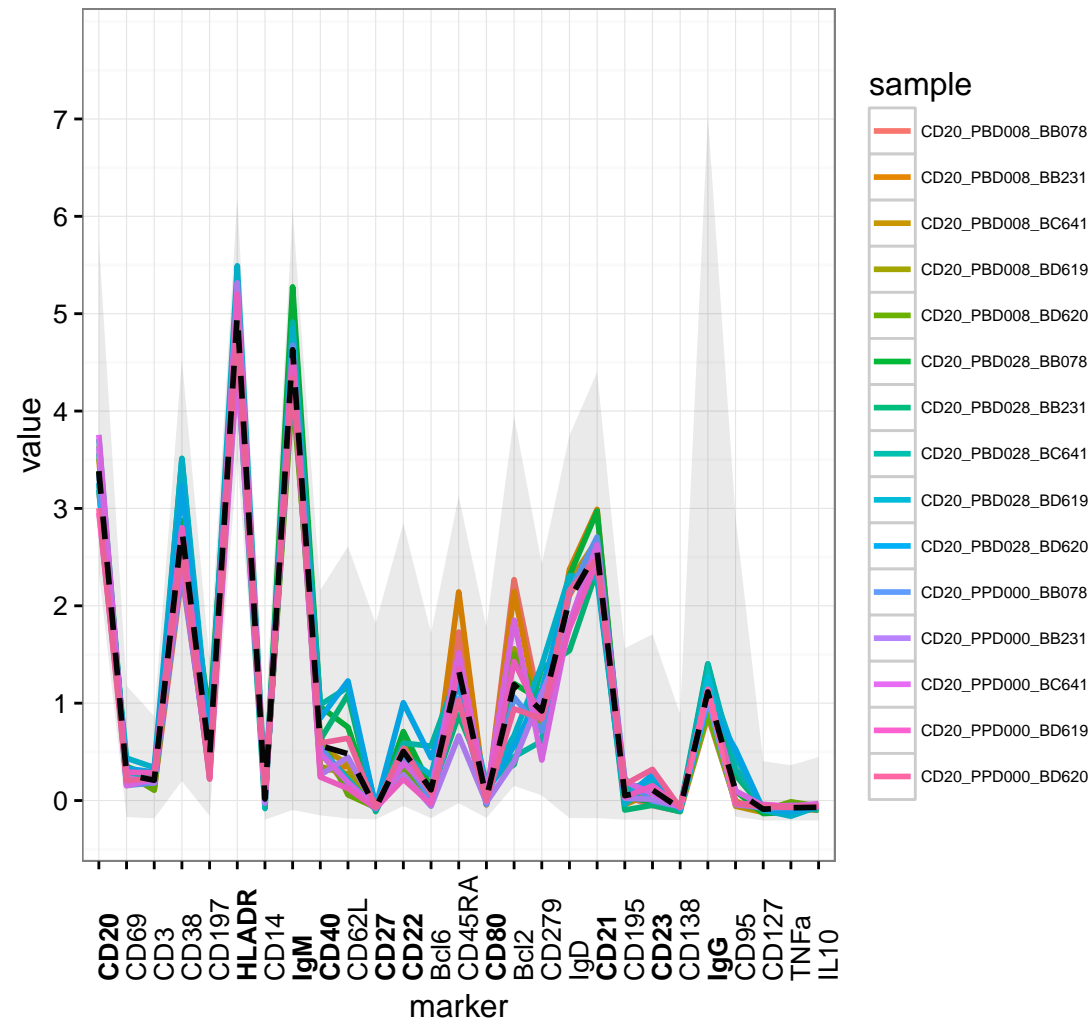
Pheno Viewer – cluster 35 (4 897 cells)



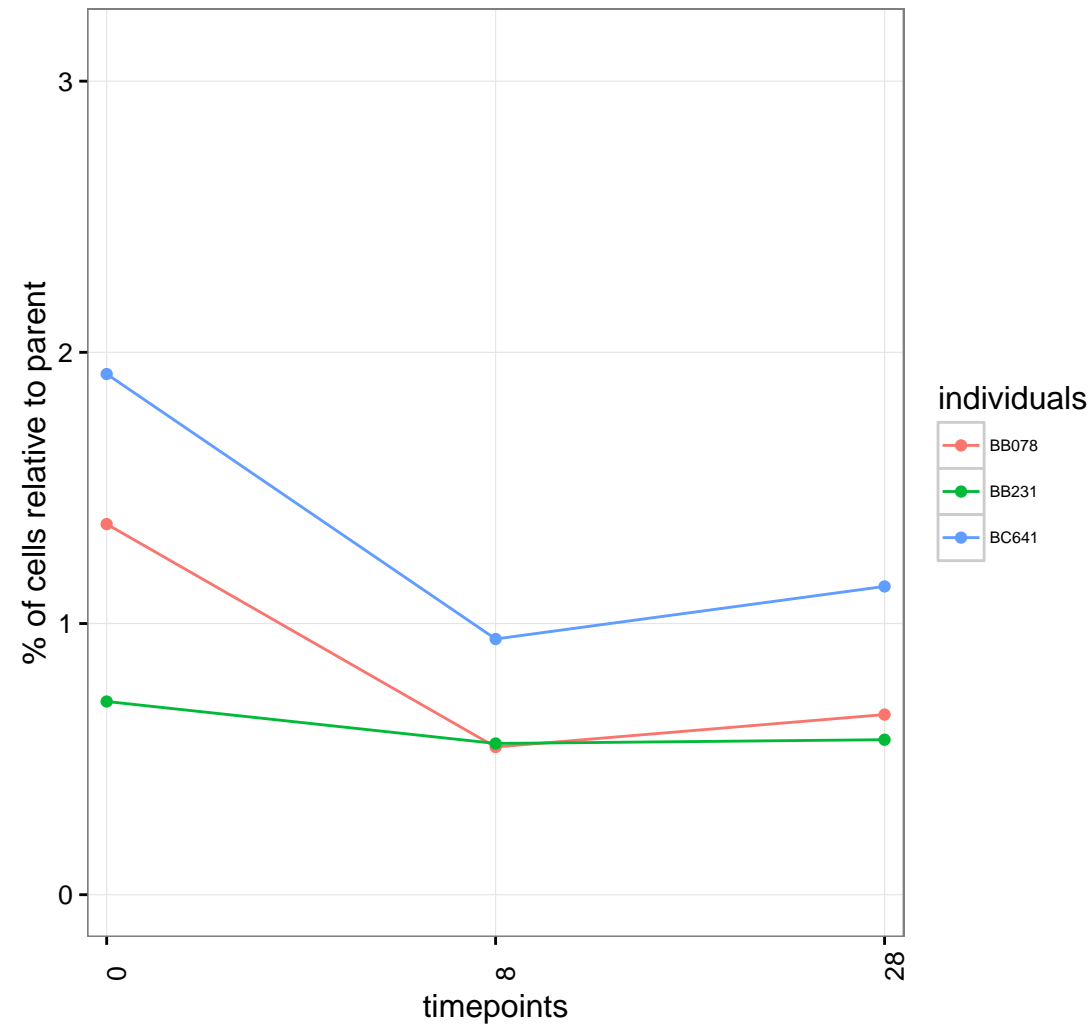
Kinetics Viewer – cluster 36 (735 cells)



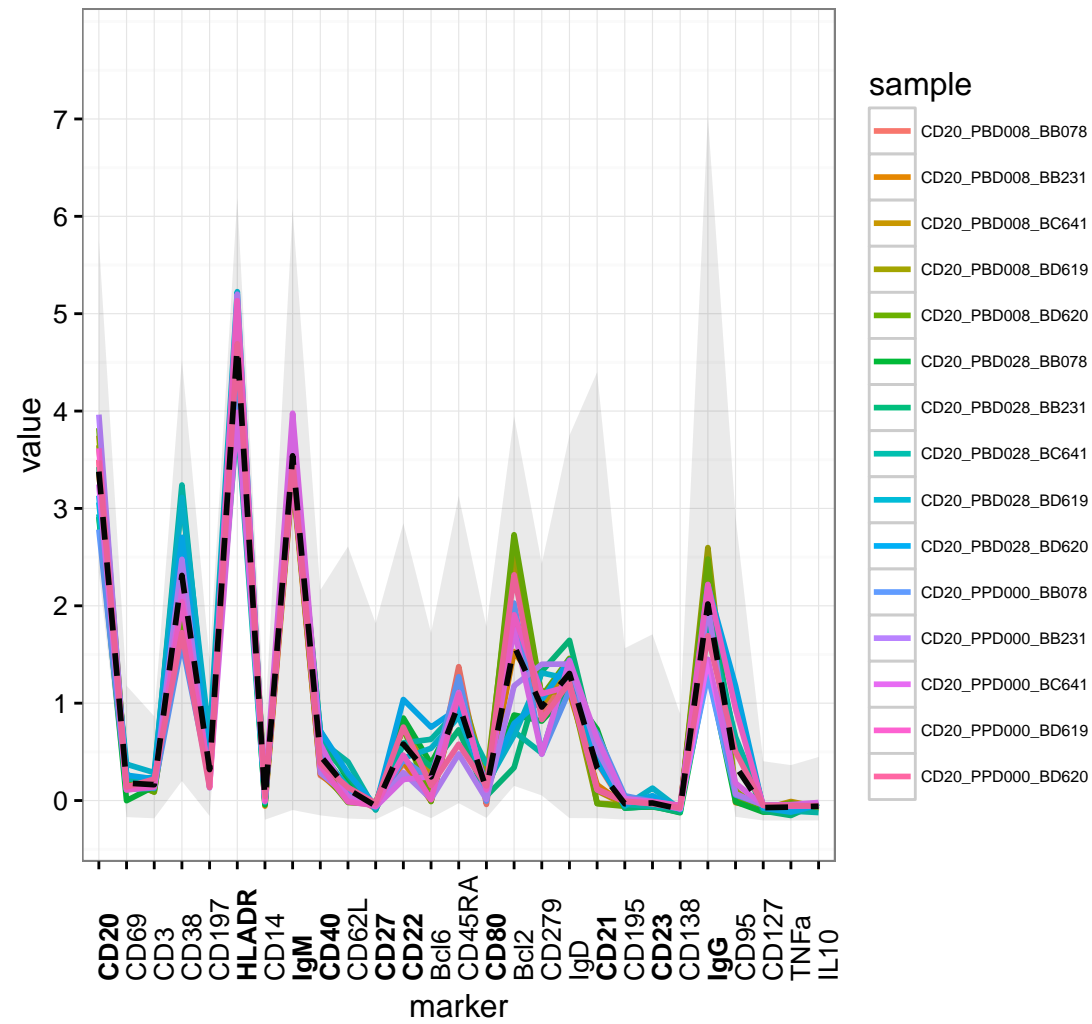
Pheno Viewer – cluster 36 (2 515 cells)



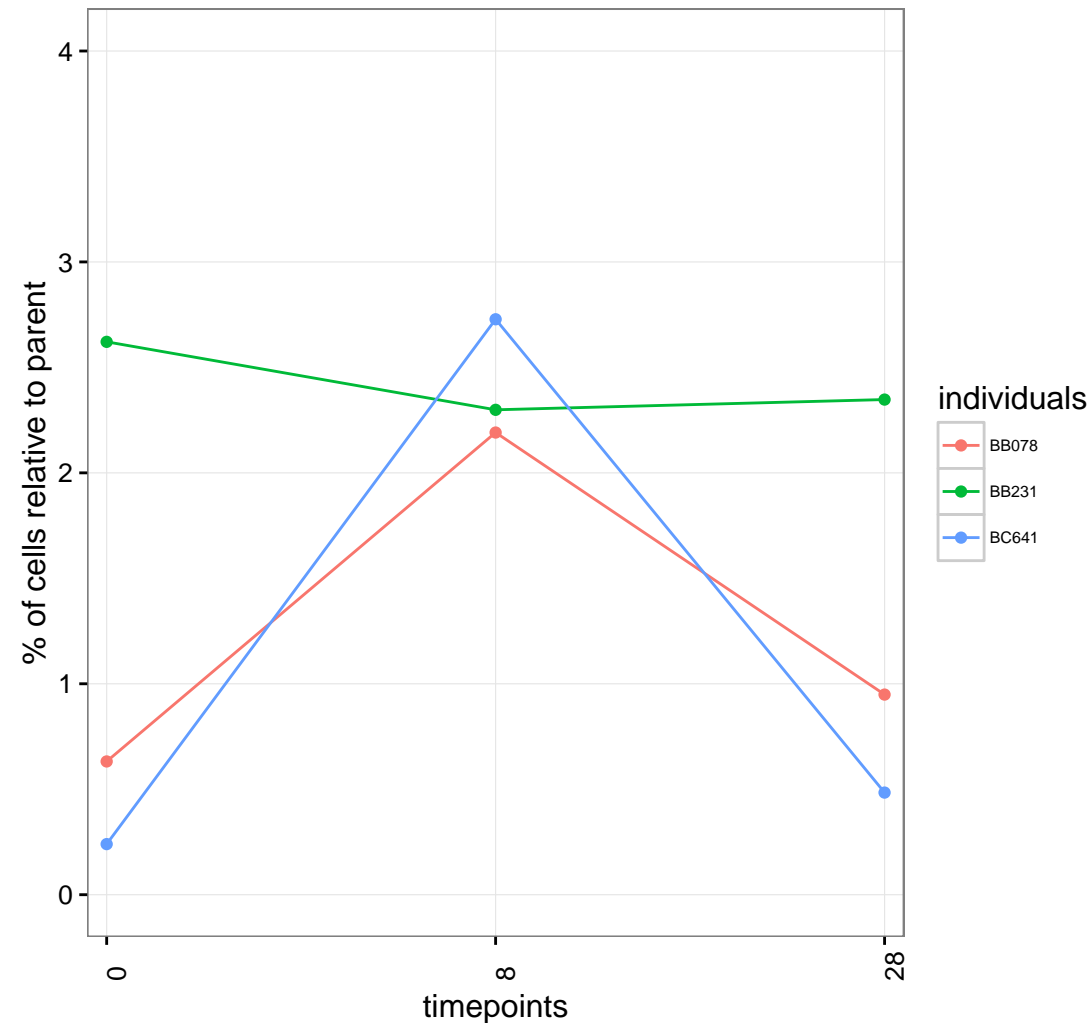
Kinetics Viewer – cluster 37 (750 cells)



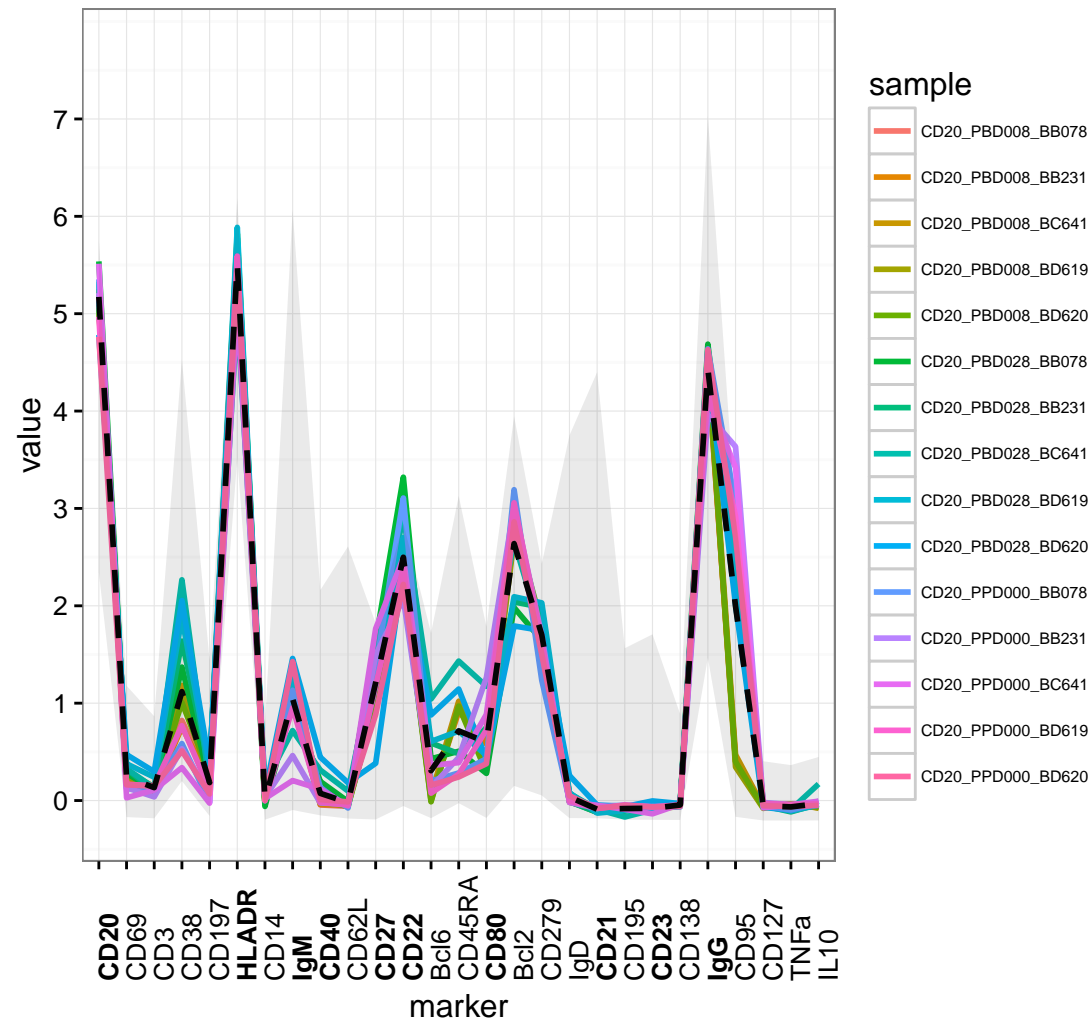
Pheno Viewer – cluster 37 (3 440 cells)



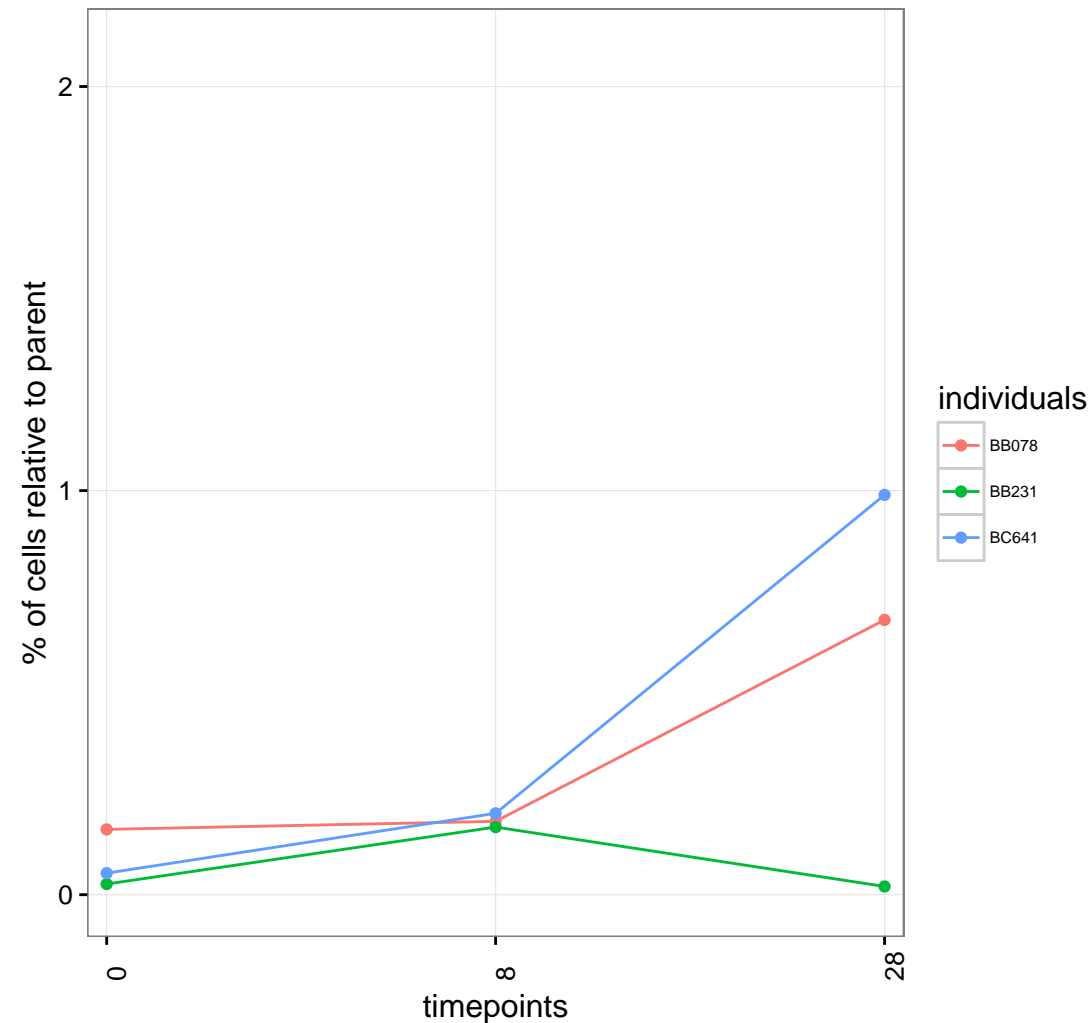
Kinetics Viewer – cluster 38 (1 887 cells)



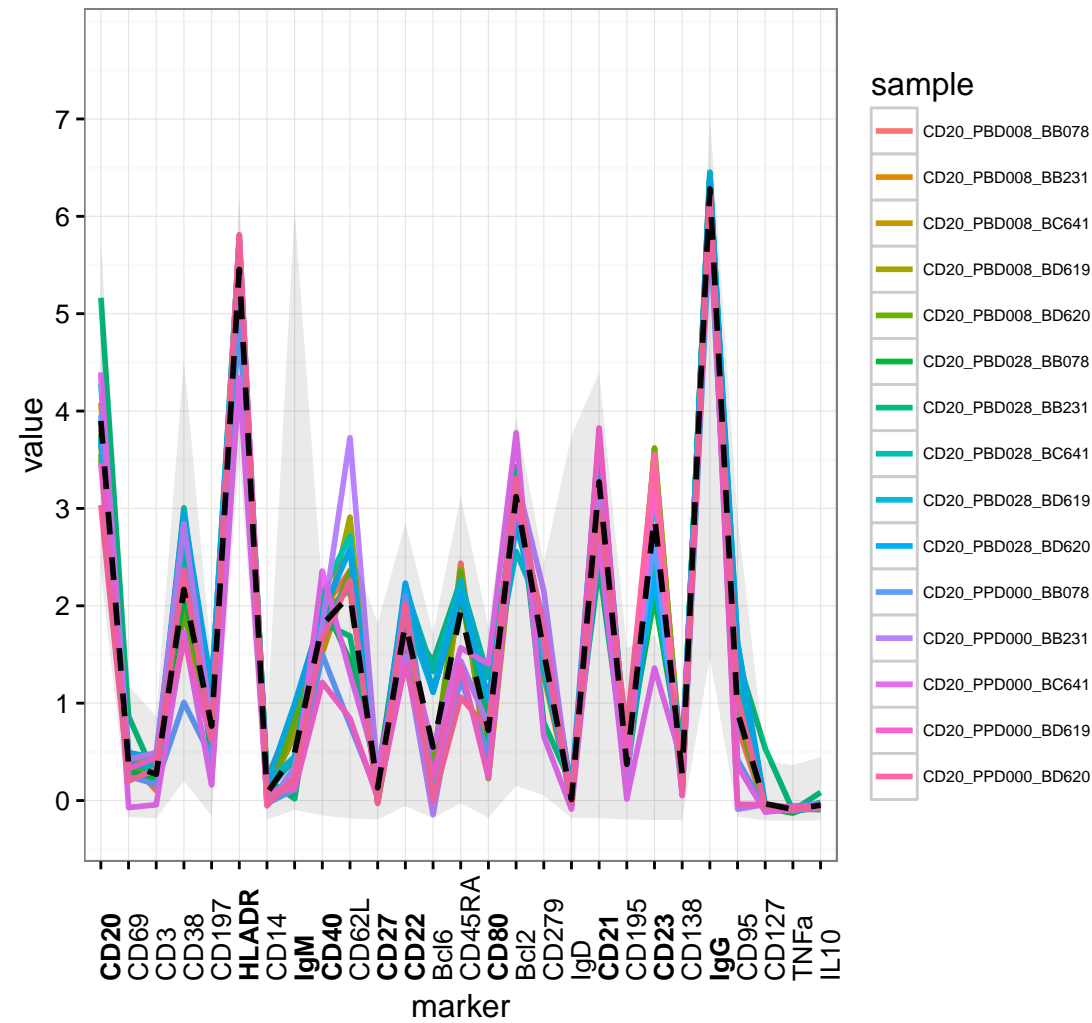
Pheno Viewer – cluster 38 (5 003 cells)



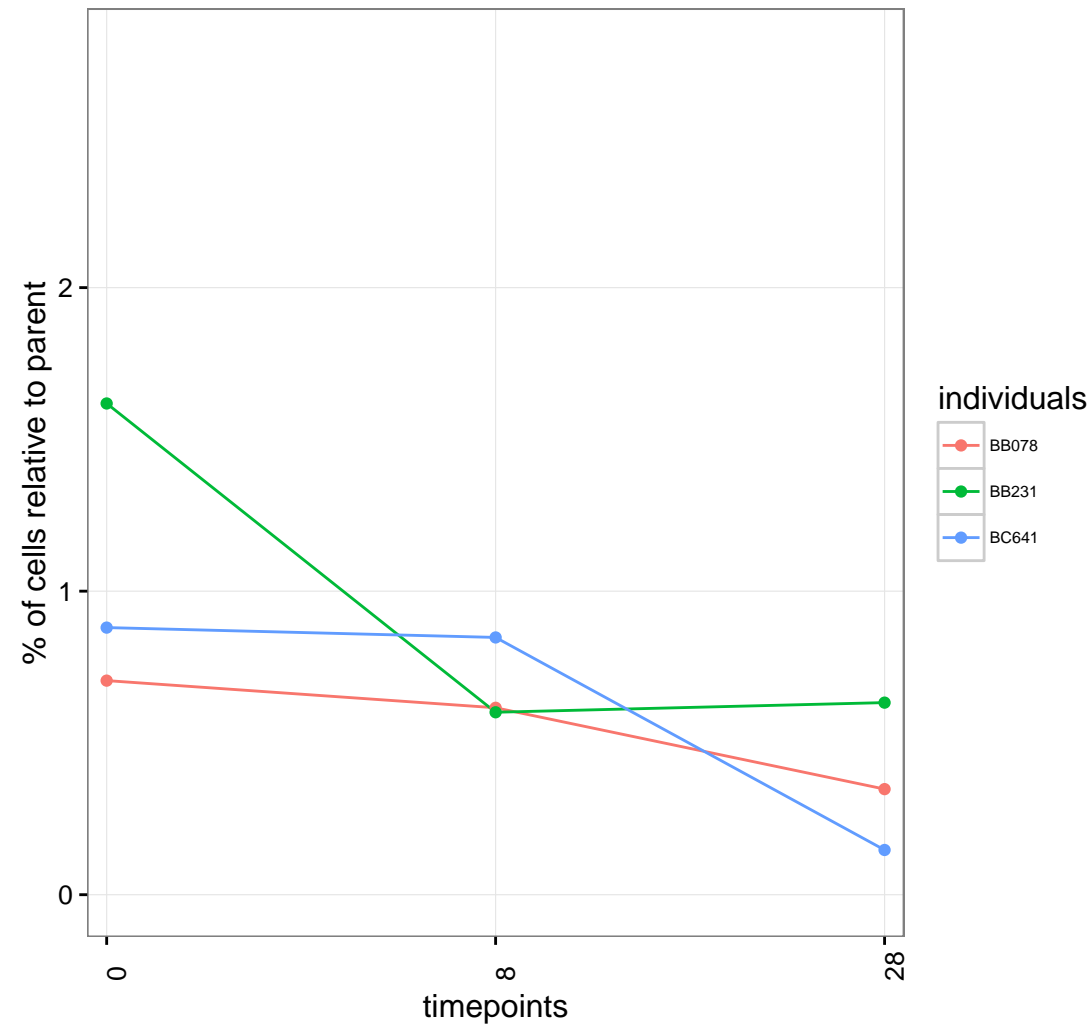
Kinetics Viewer – cluster 39 (201 cells)



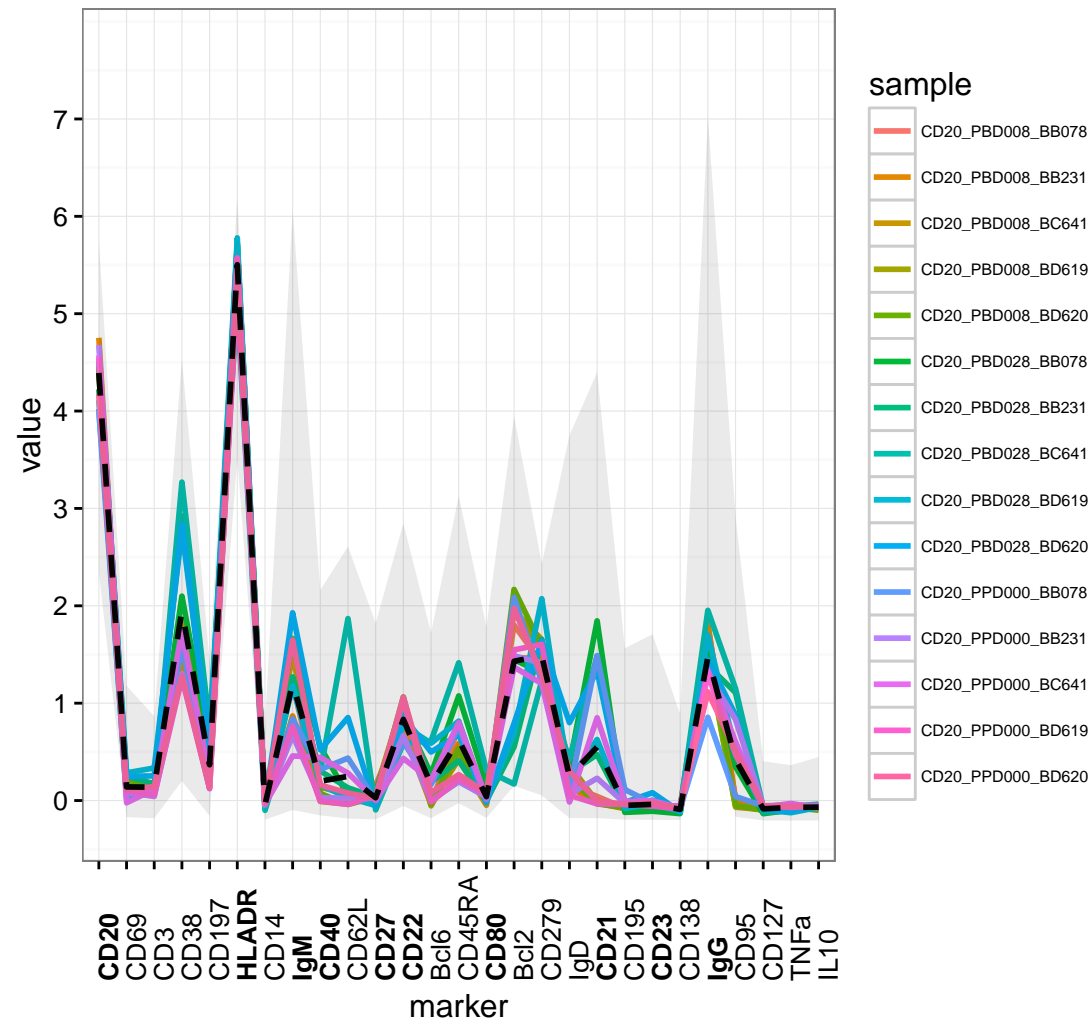
Pheno Viewer – cluster 39 (622 cells)



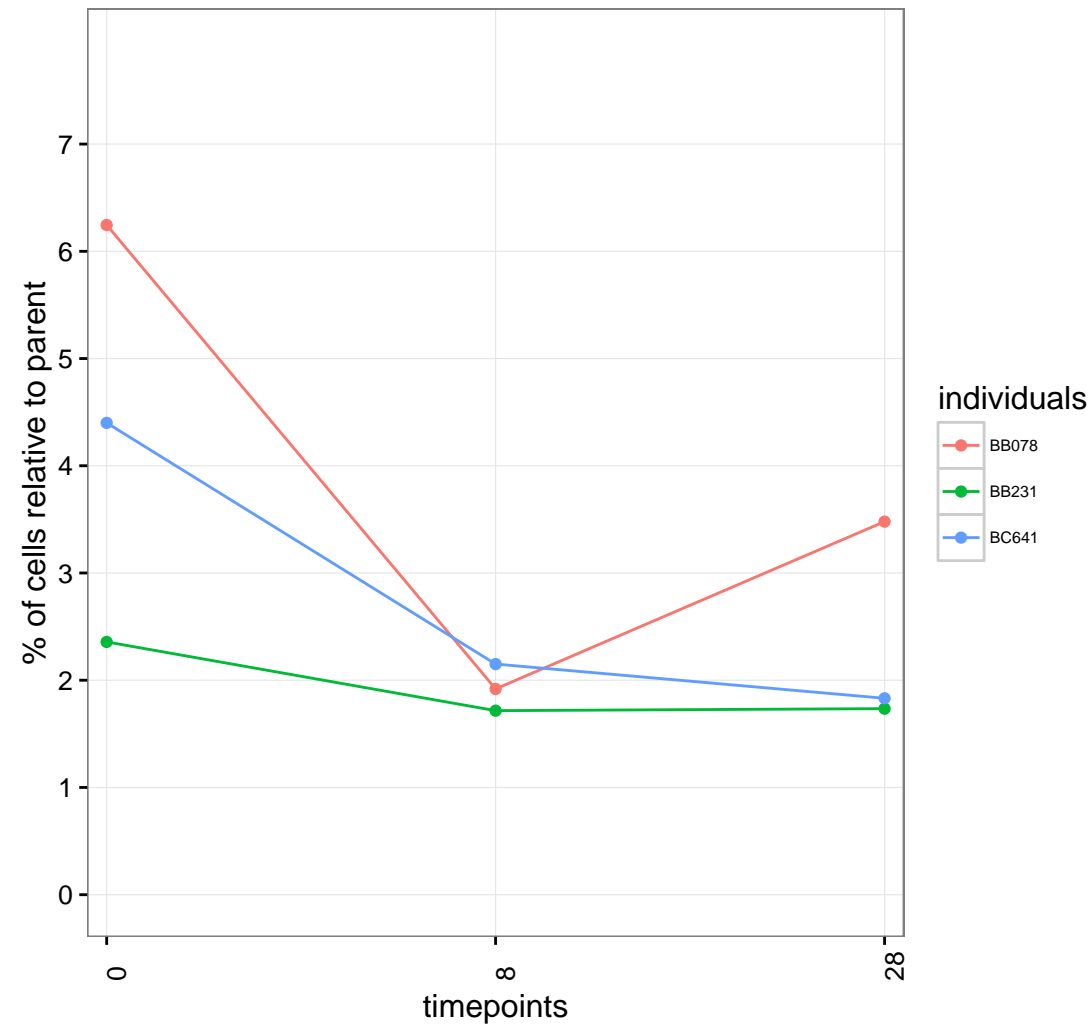
Kinetics Viewer – cluster 40 (708 cells)



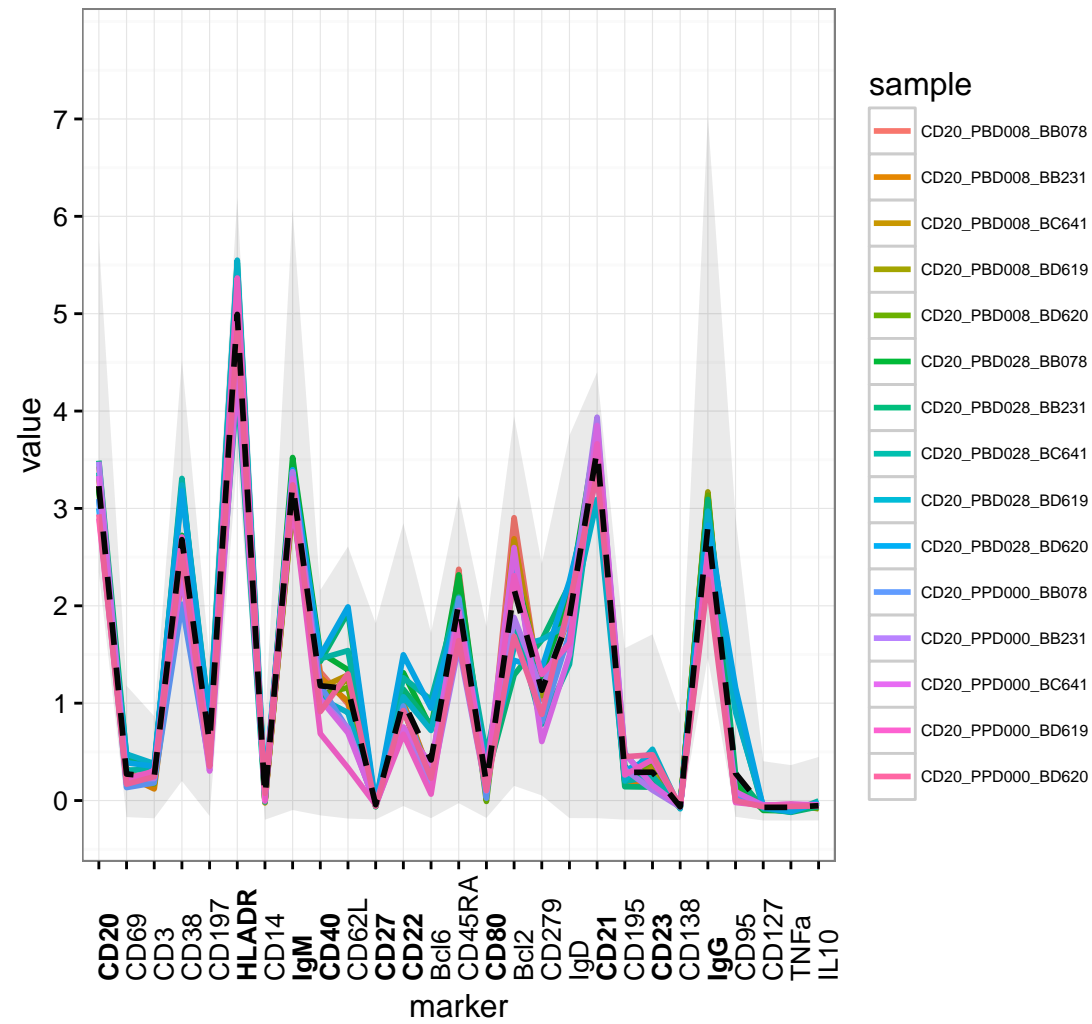
Pheno Viewer – cluster 40 (2 164 cells)



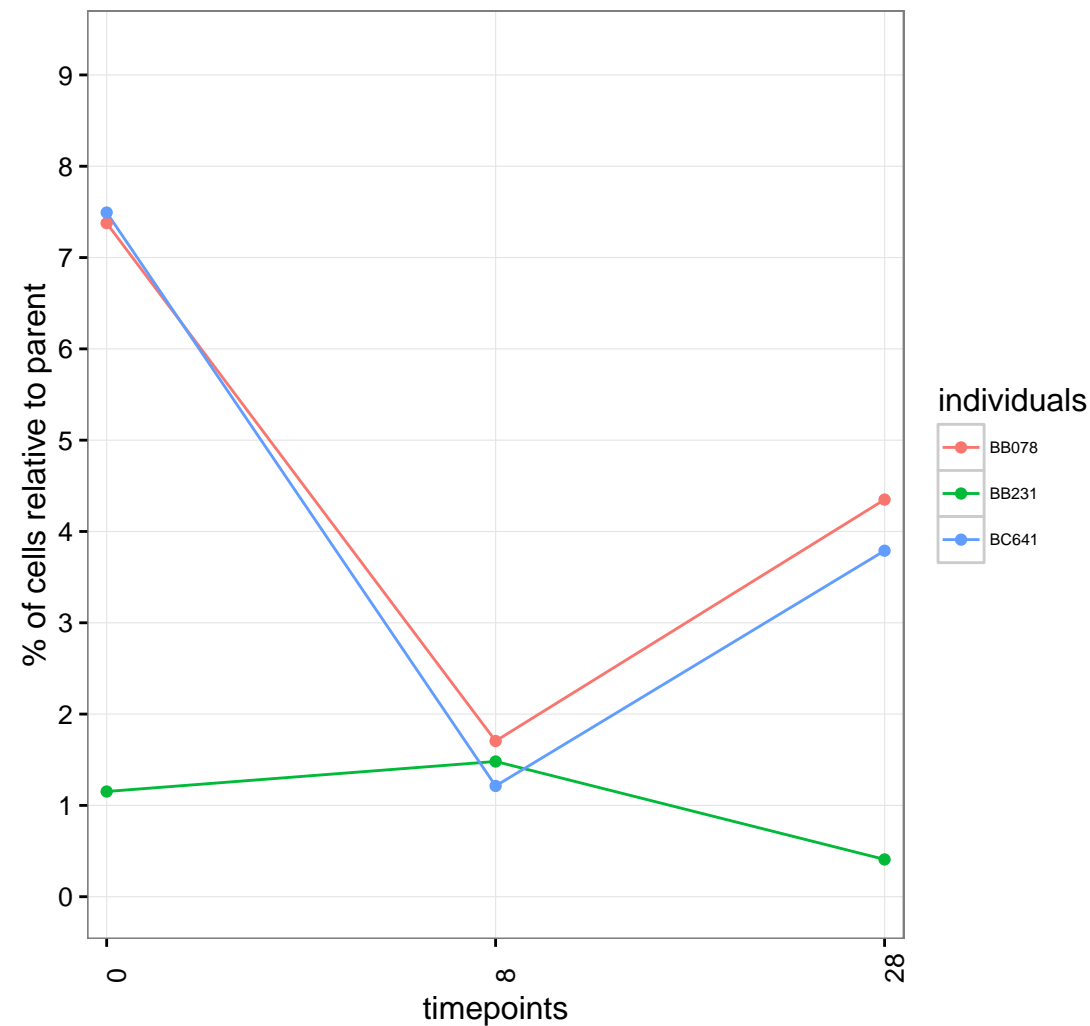
Kinetics Viewer – cluster 41 (2 314 cells)



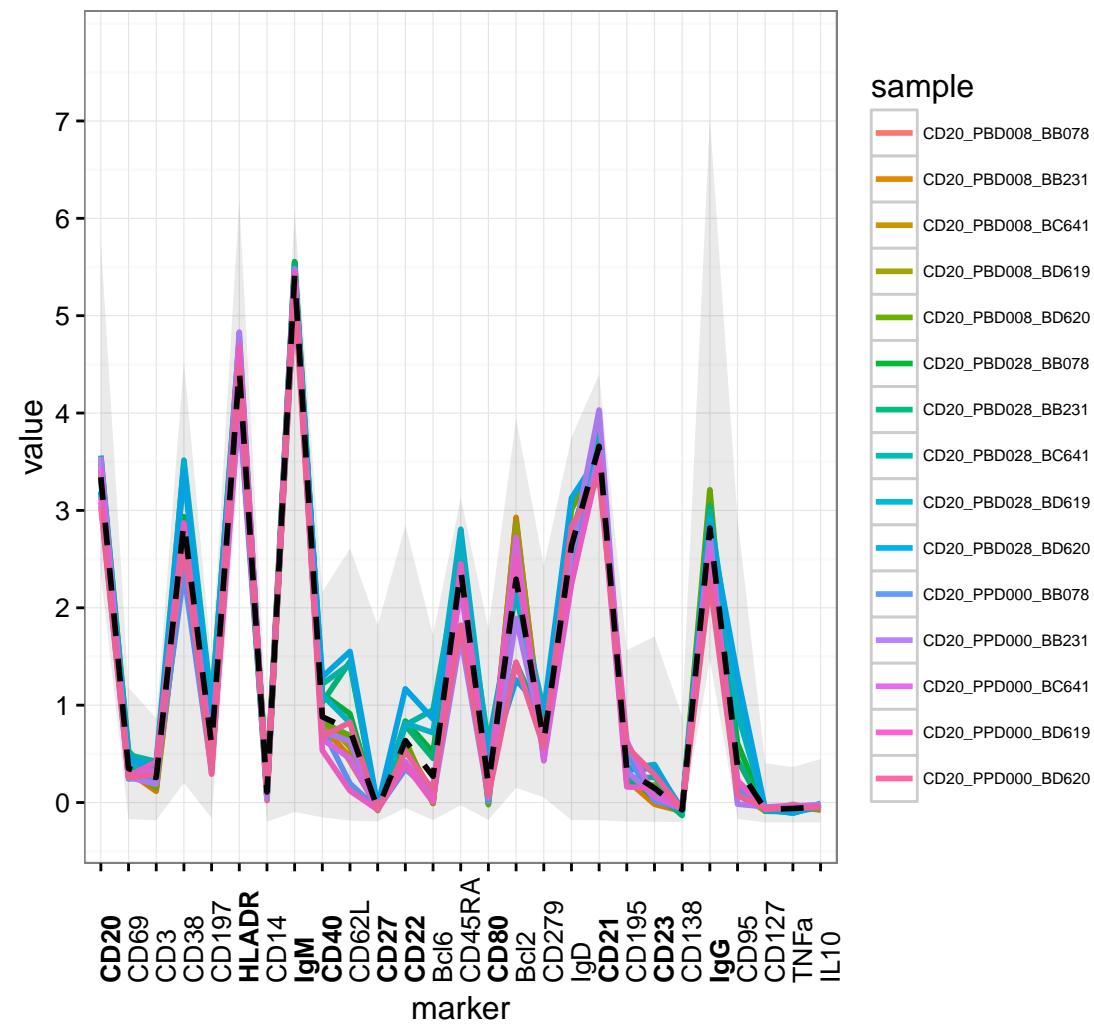
Pheno Viewer – cluster 41 (7 045 cells)



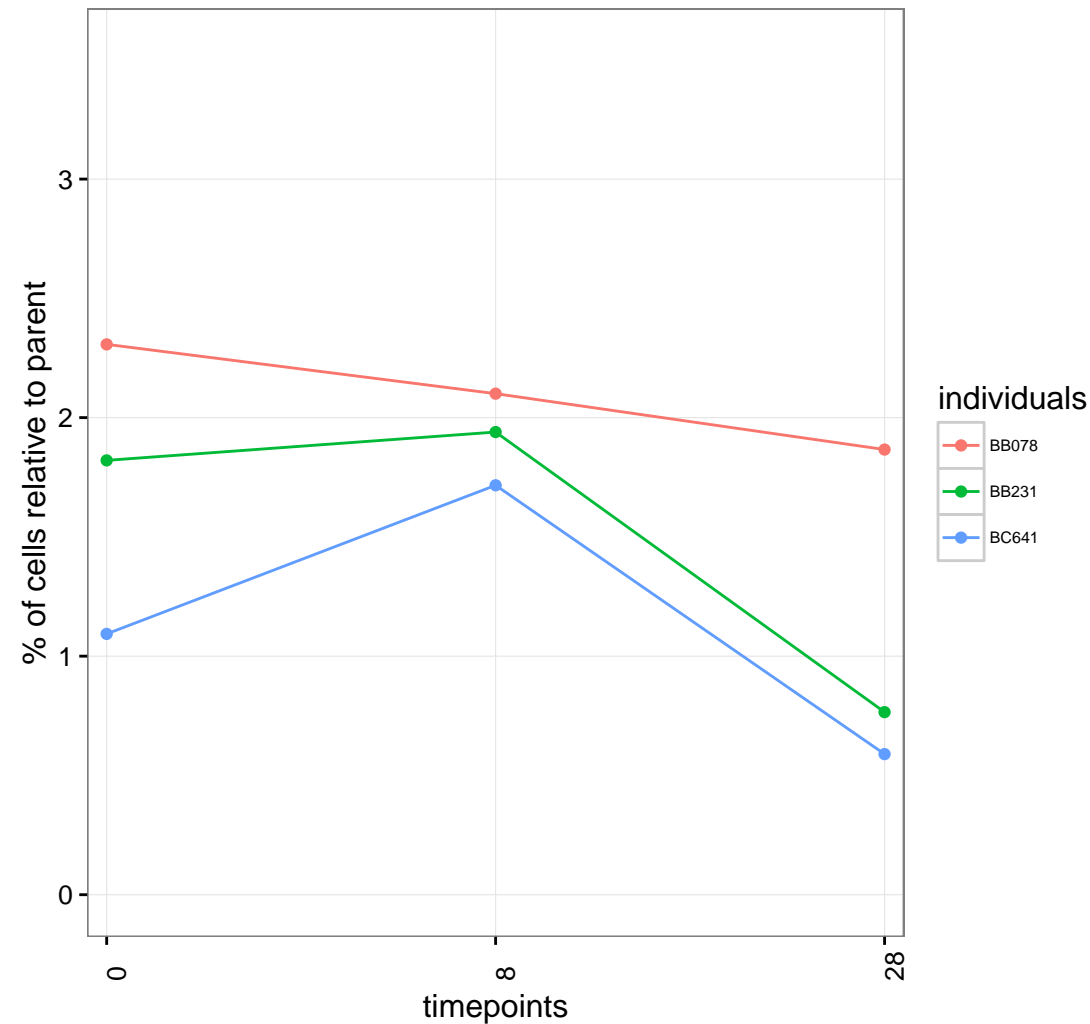
Kinetics Viewer – cluster 42 (2 140 cells)



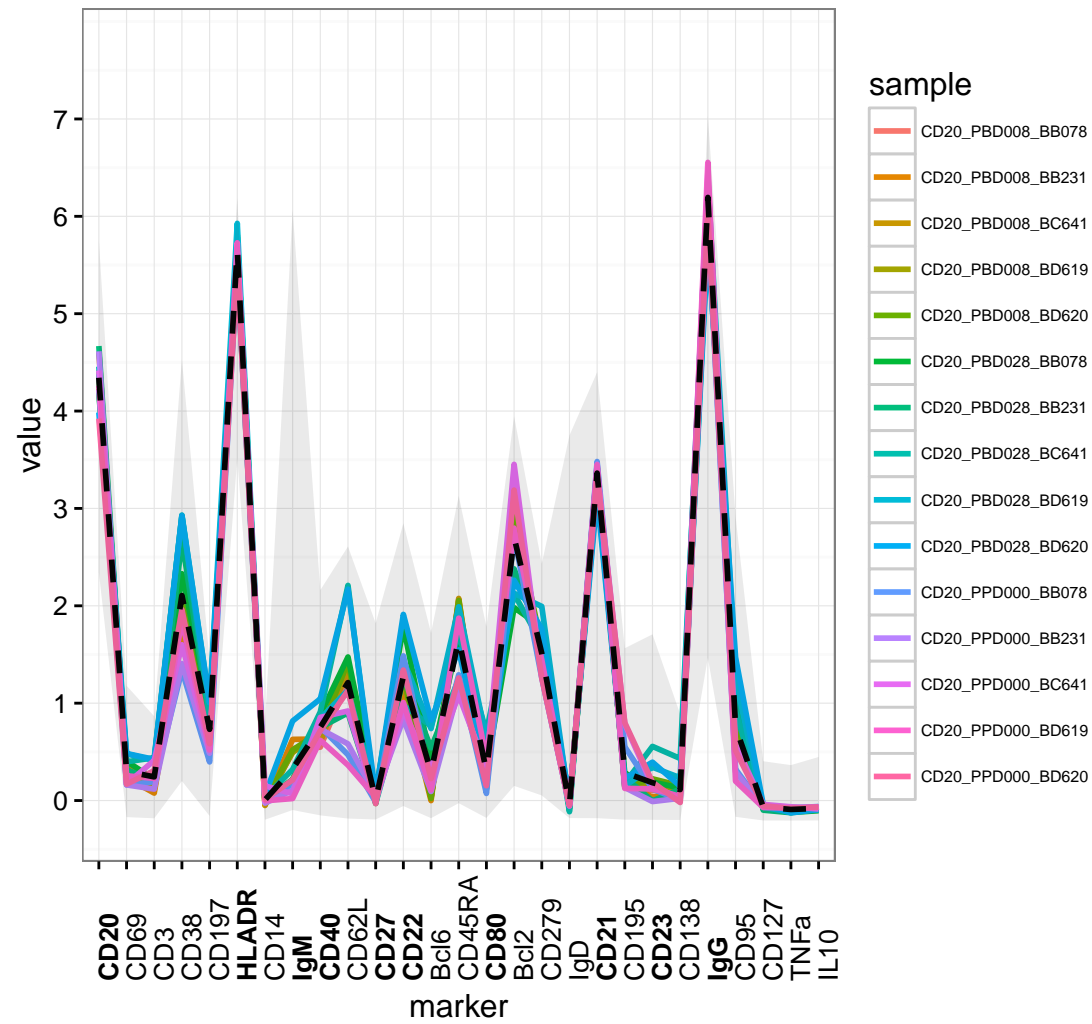
Pheno Viewer – cluster 42 (4 045 cells)



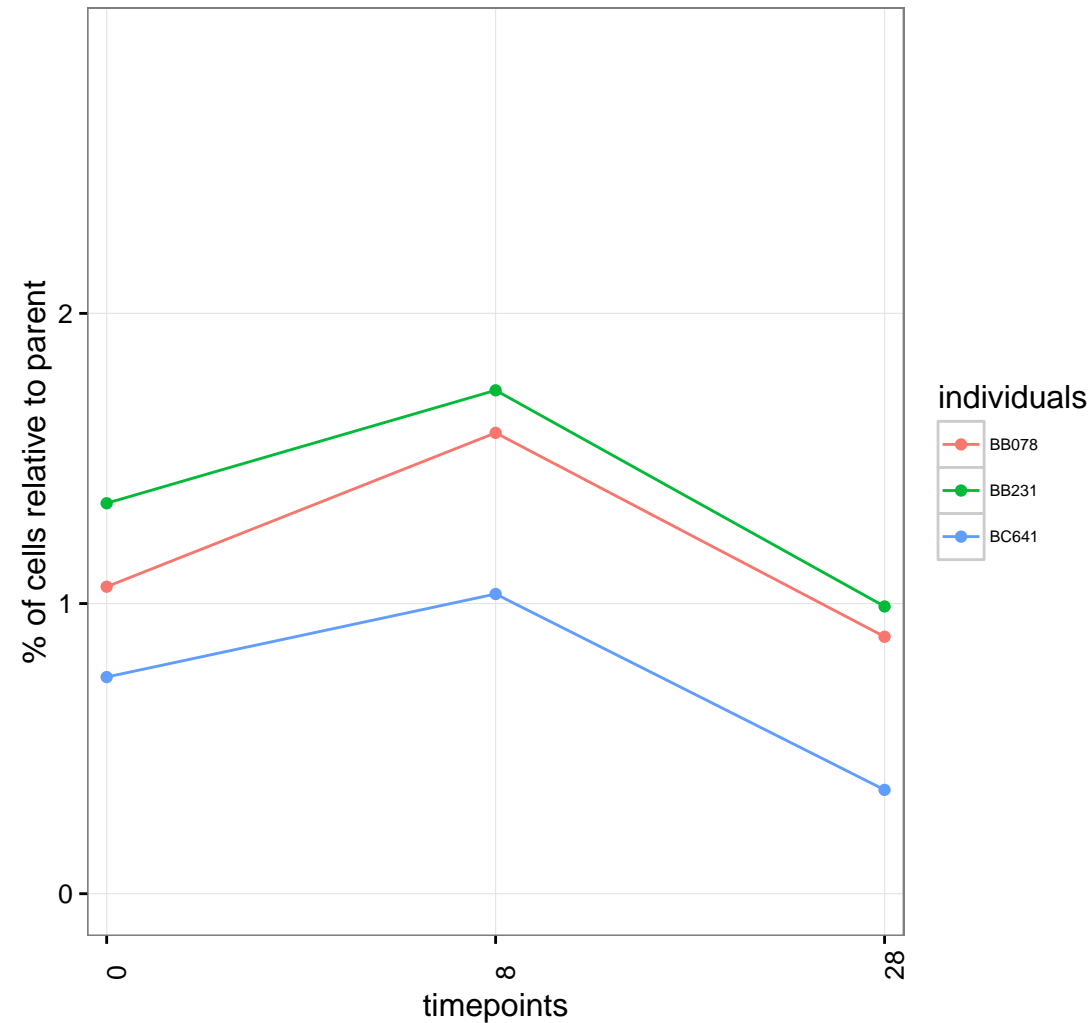
Kinetics Viewer – cluster 43 (1 587 cells)



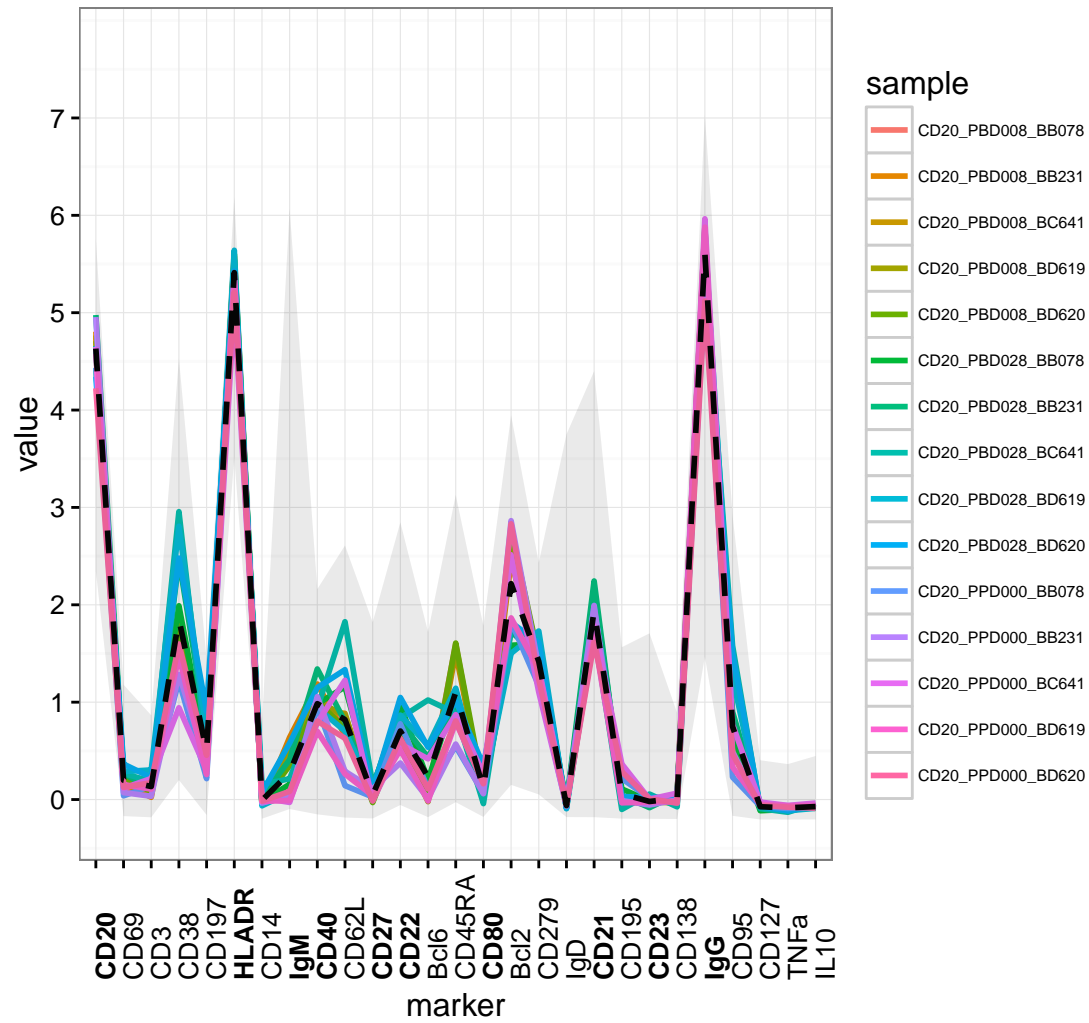
Pheno Viewer – cluster 43 (3 398 cells)



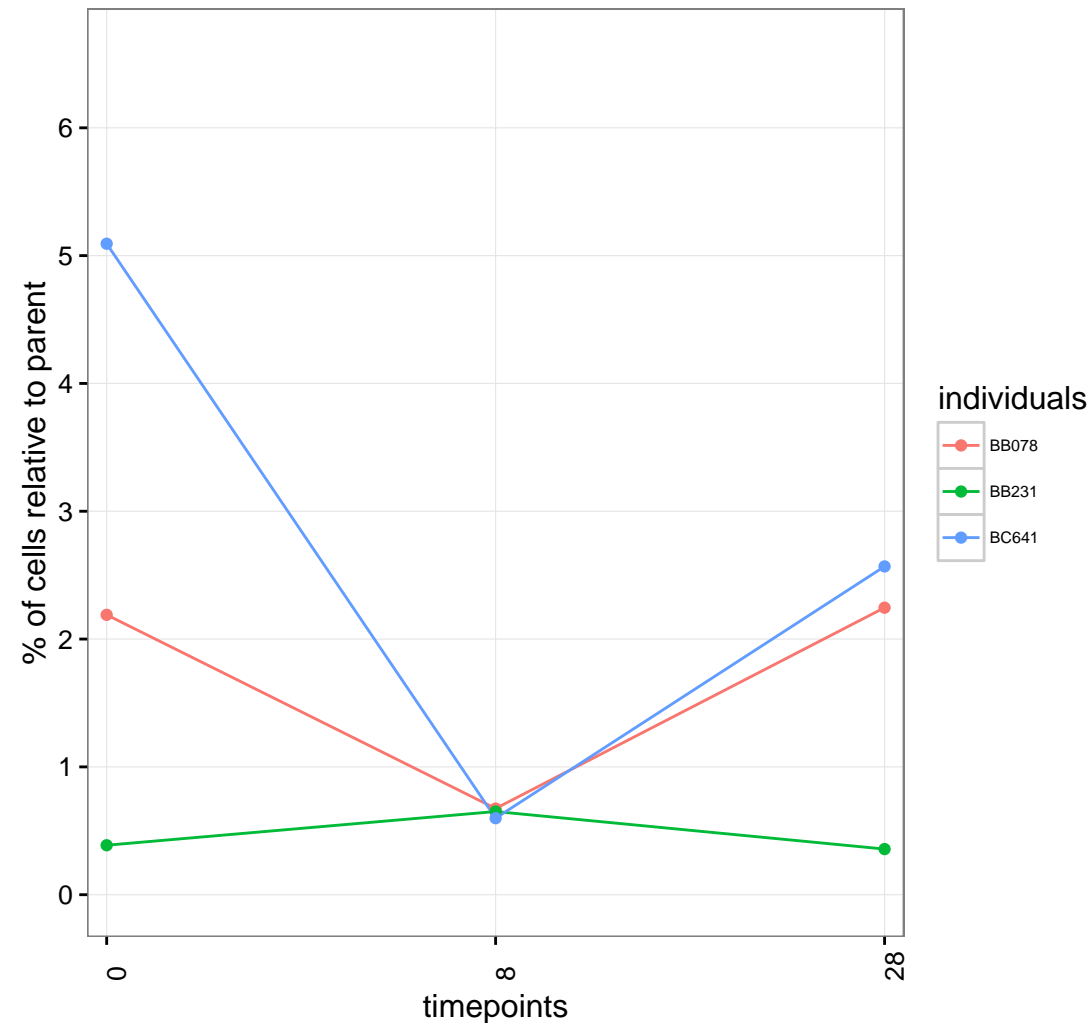
Kinetics Viewer – cluster 44 (1 143 cells)



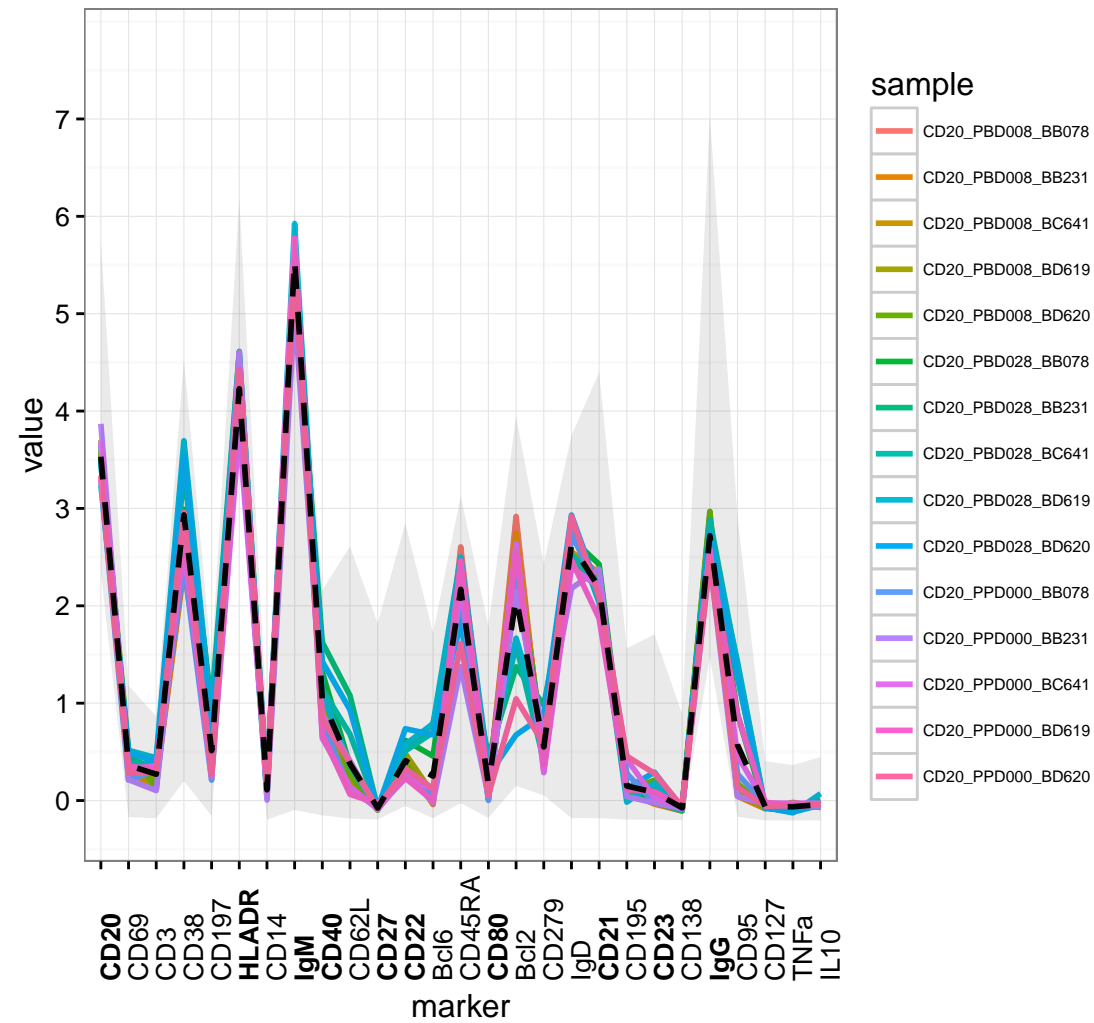
Pheno Viewer – cluster 44 (1 995 cells)



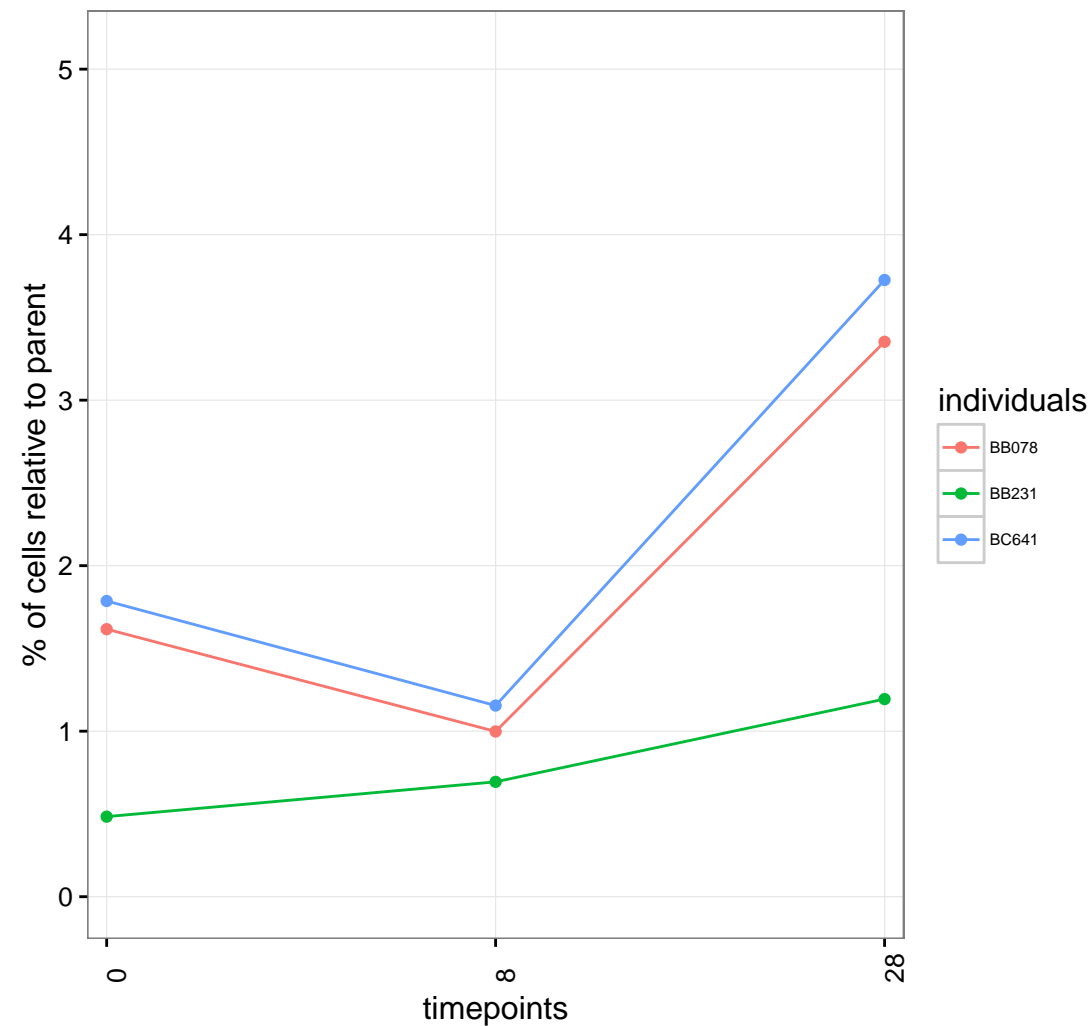
Kinetics Viewer – cluster 45 (1 005 cells)



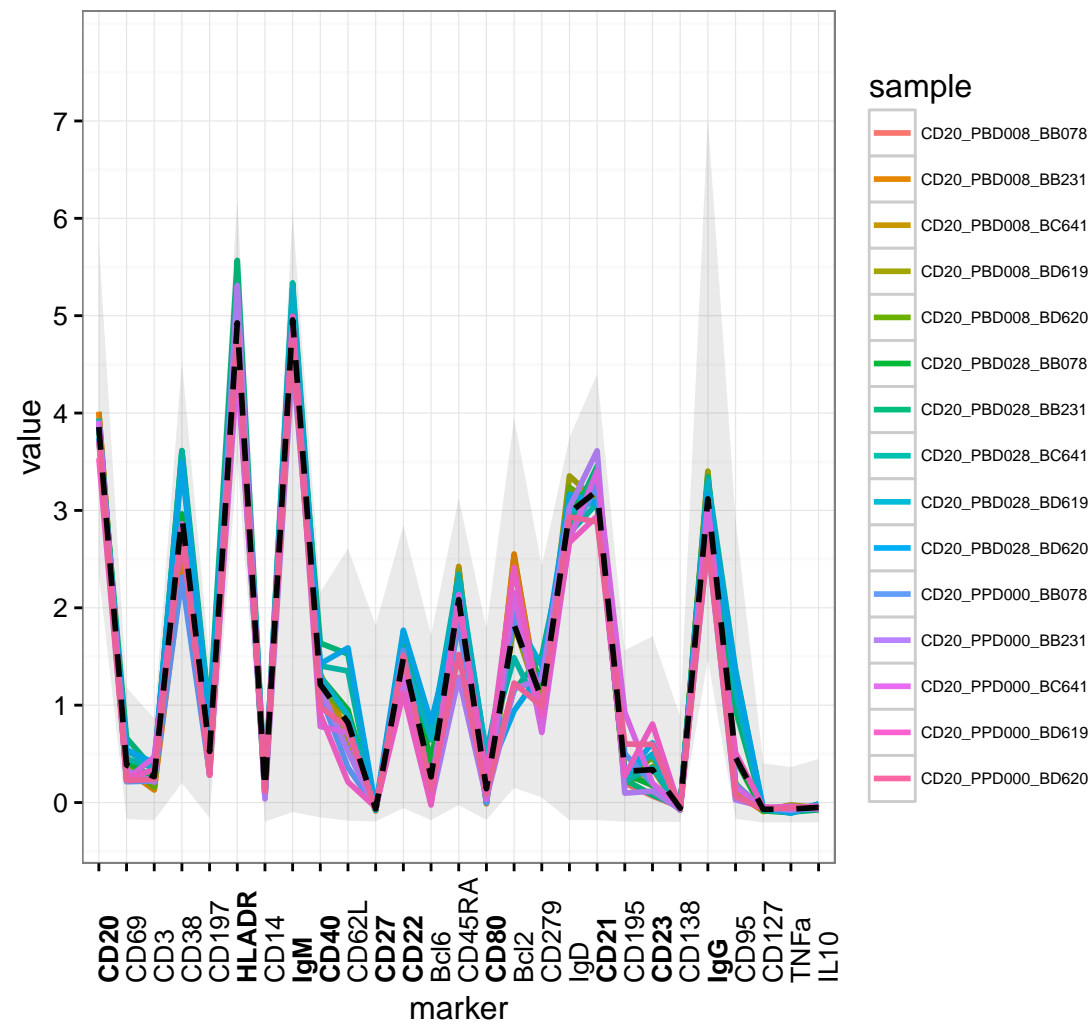
Pheno Viewer – cluster 45 (2 141 cells)



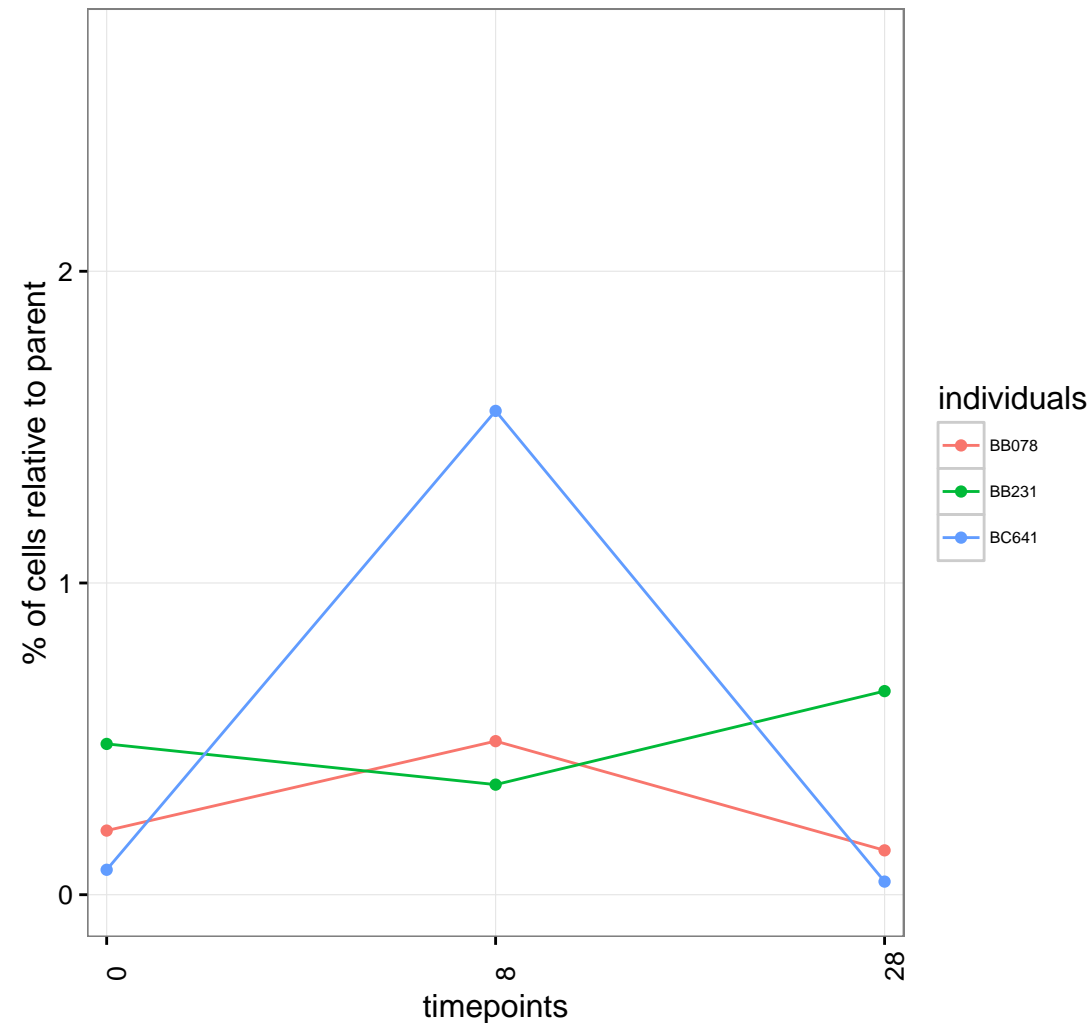
Kinetics Viewer – cluster 46 (1 222 cells)



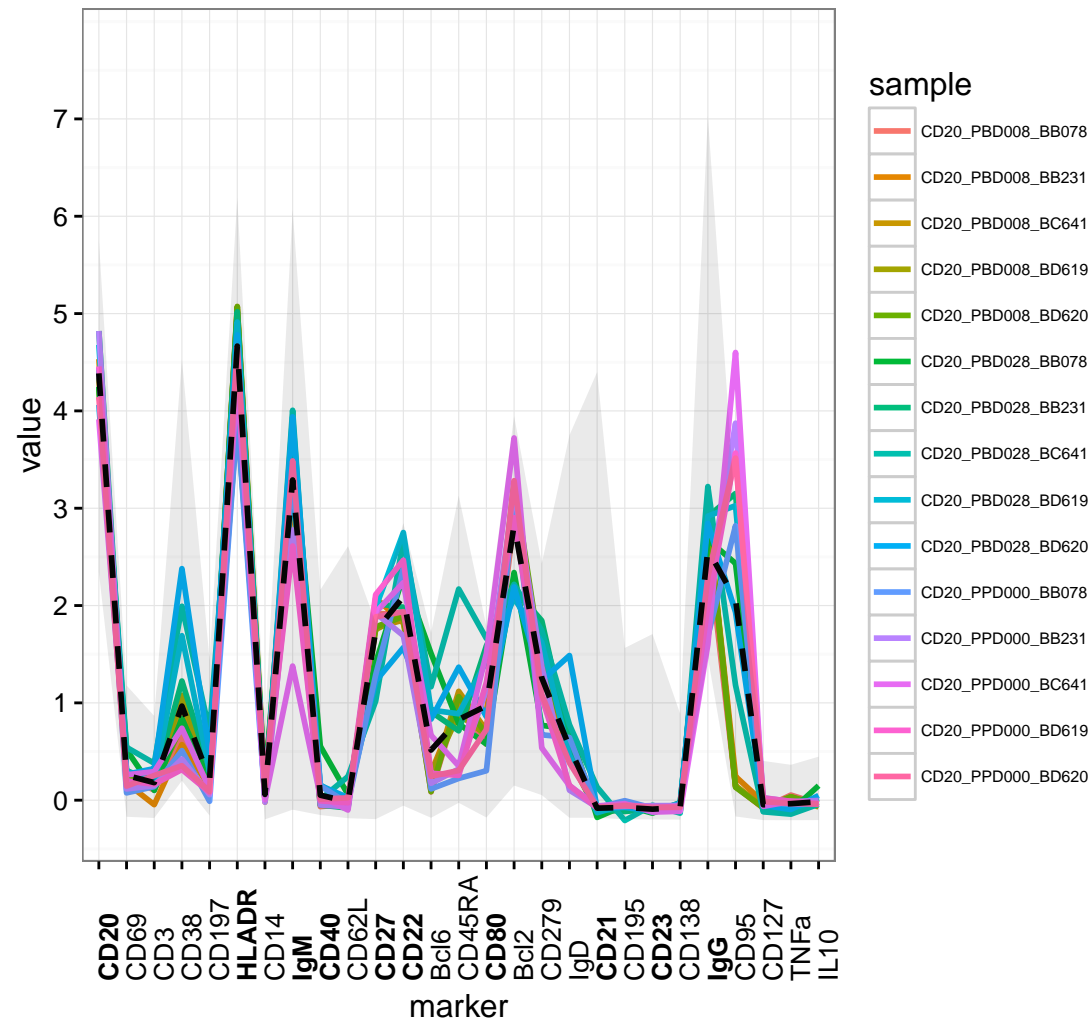
Pheno Viewer – cluster 46 (4 011 cells)



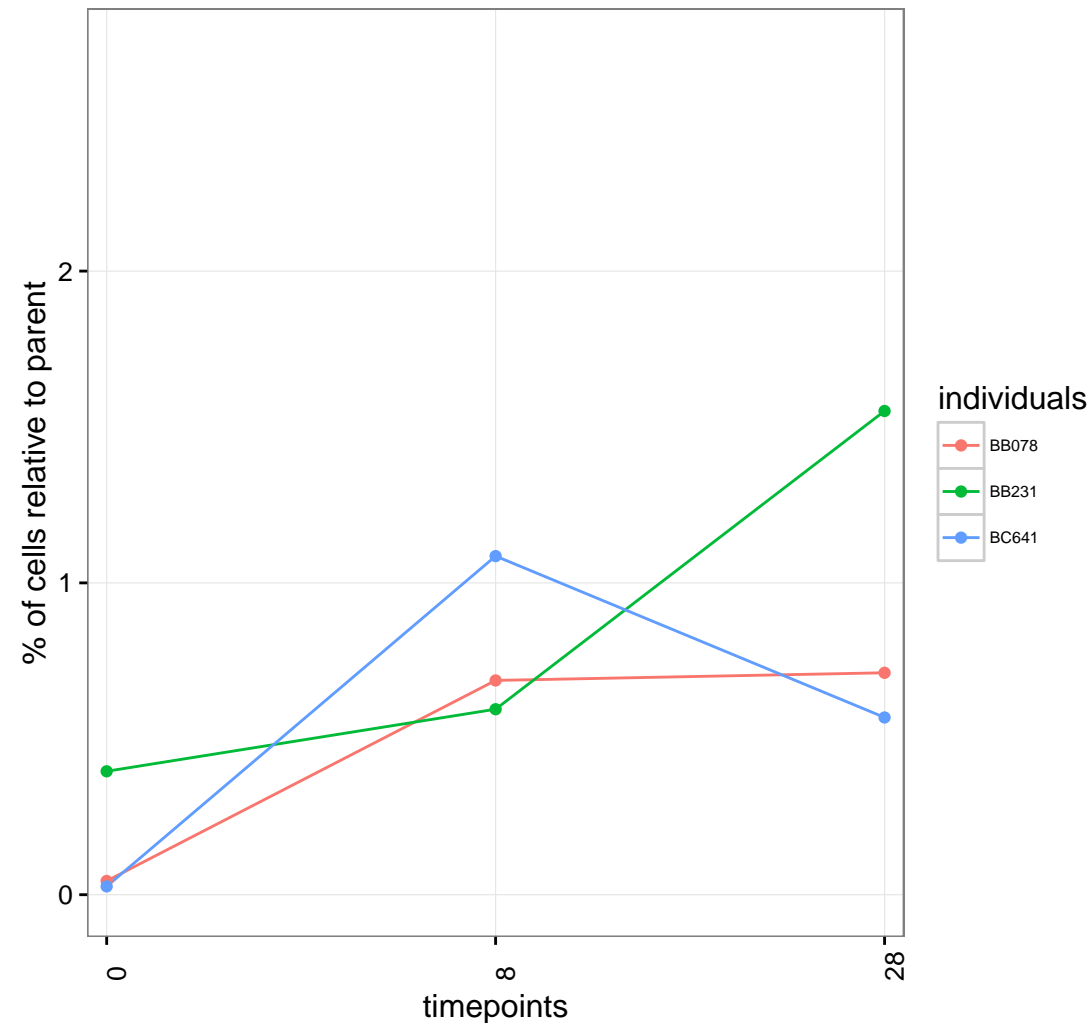
Kinetics Viewer – cluster 47 (573 cells)



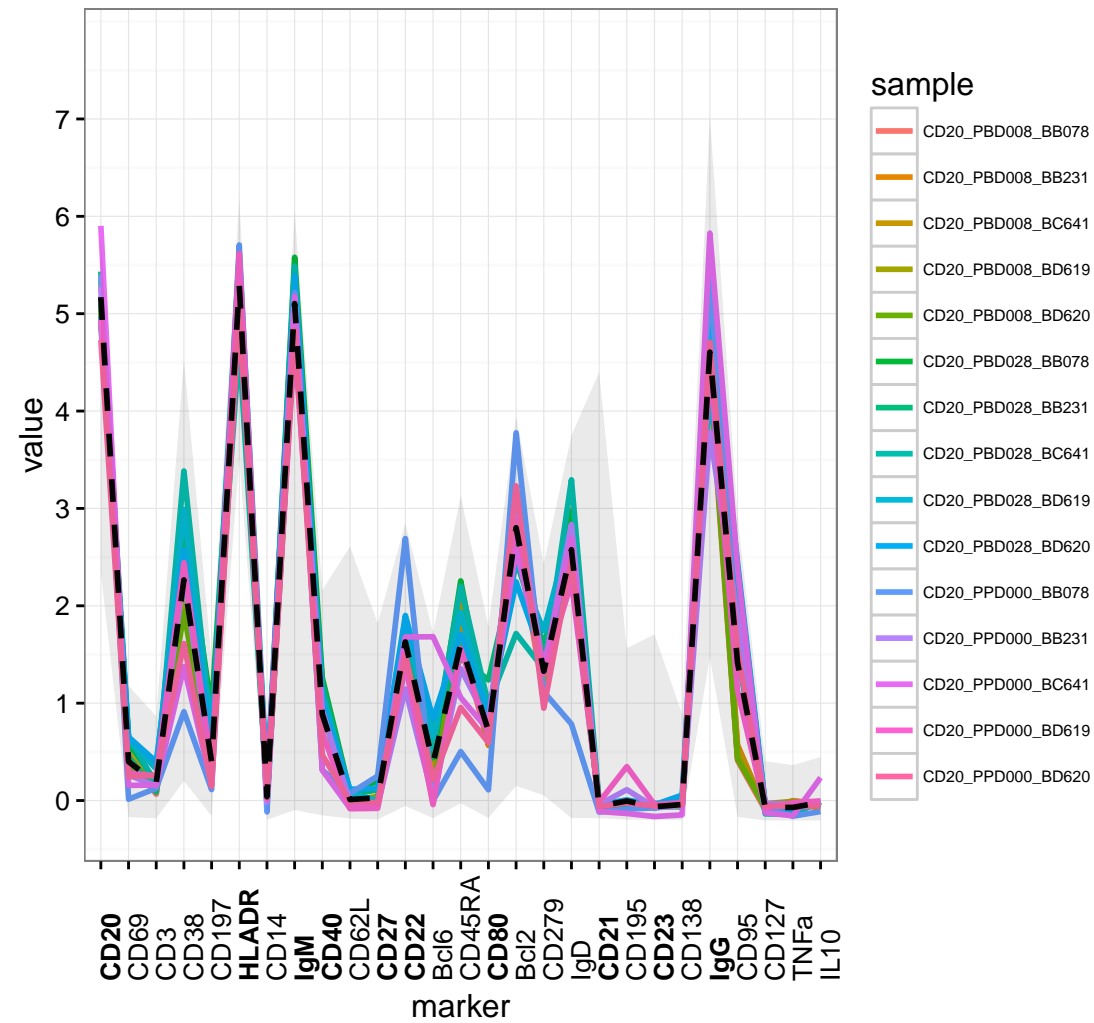
Pheno Viewer – cluster 47 (3 168 cells)



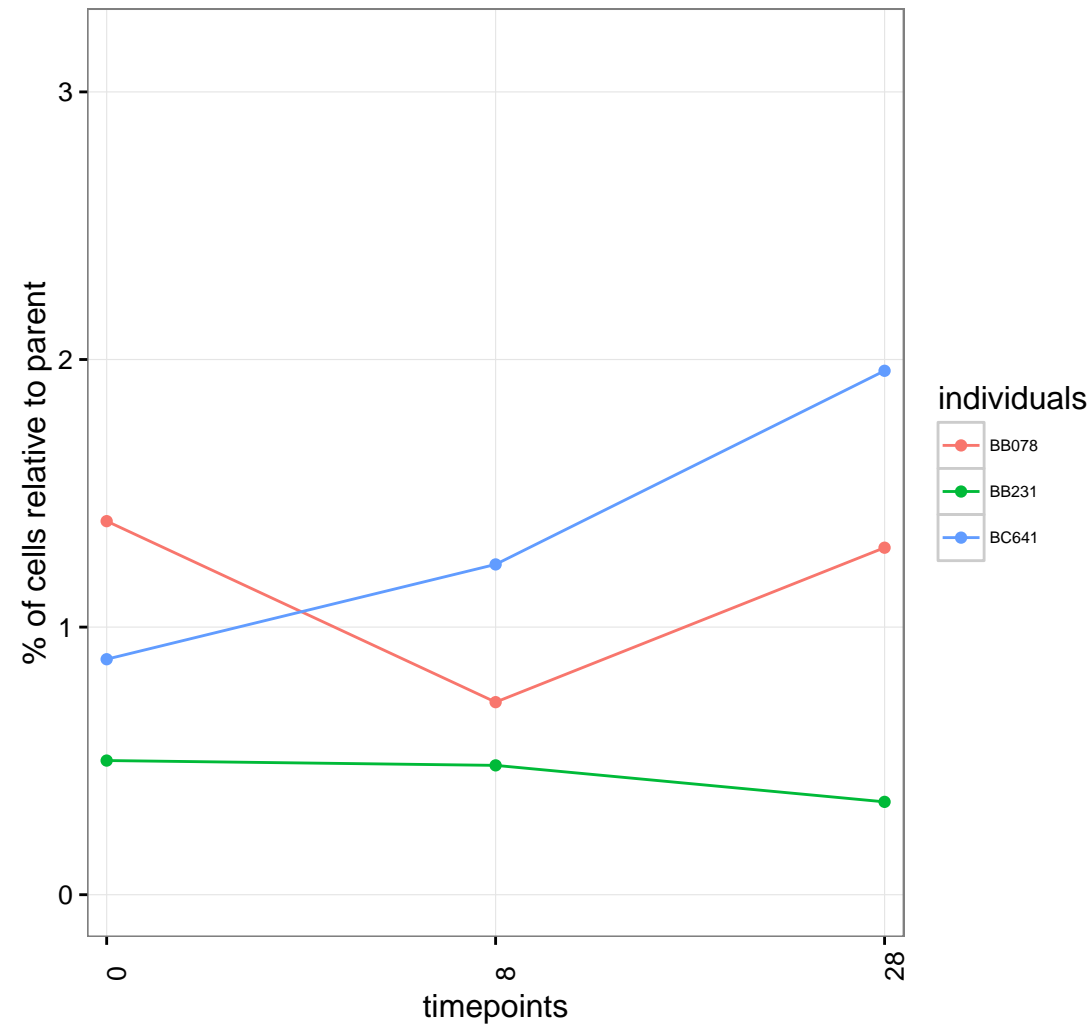
Kinetics Viewer – cluster 48 (680 cells)



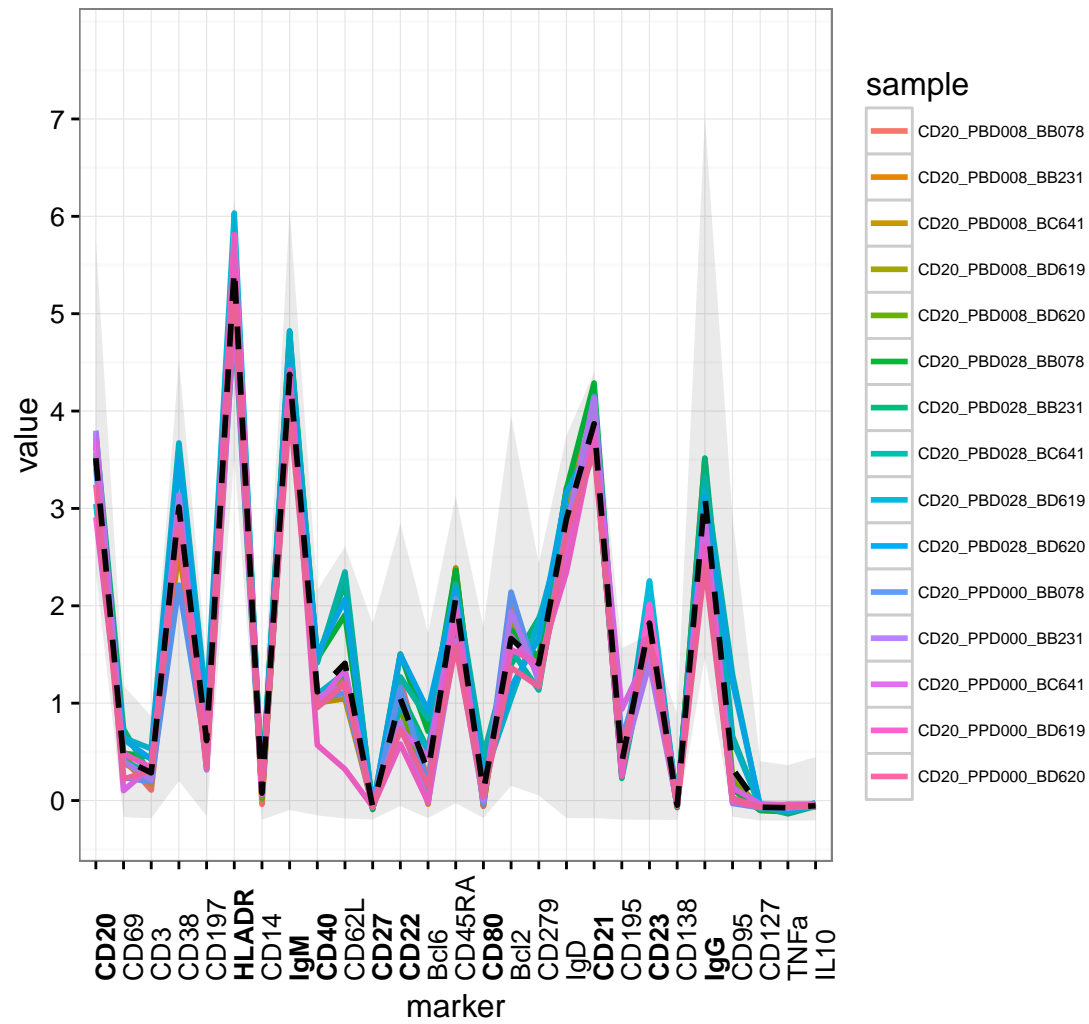
Pheno Viewer – cluster 48 (3 494 cells)



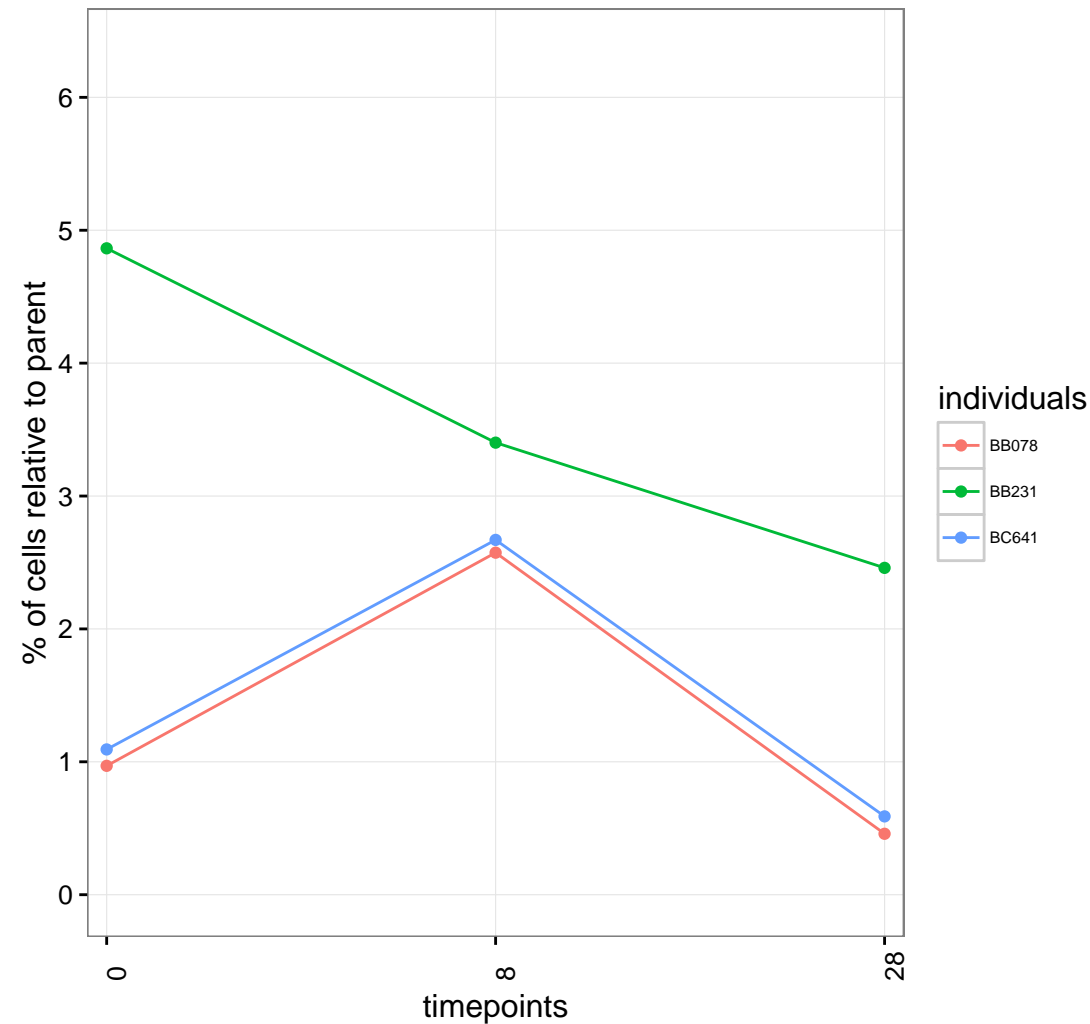
Kinetics Viewer – cluster 49 (816 cells)



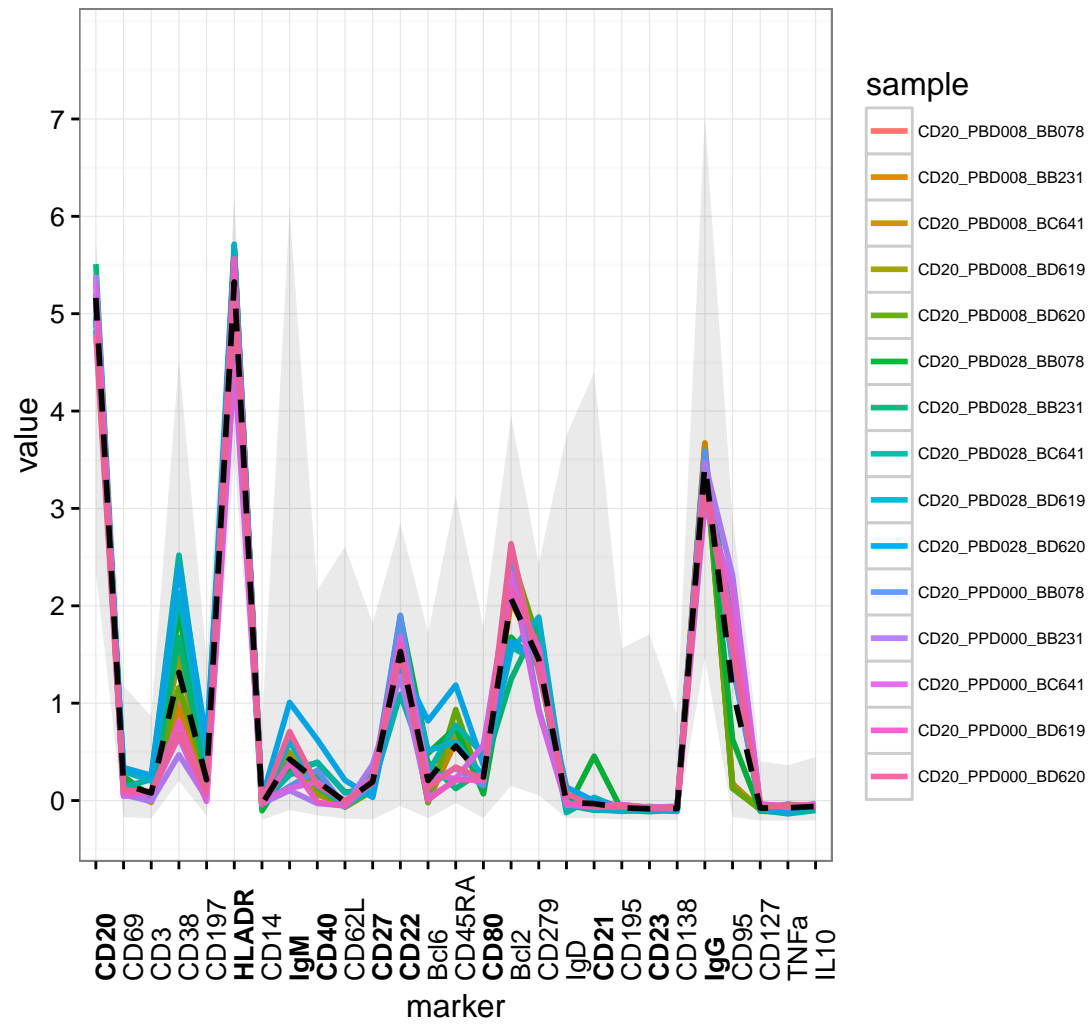
Pheno Viewer – cluster 49 (4 096 cells)



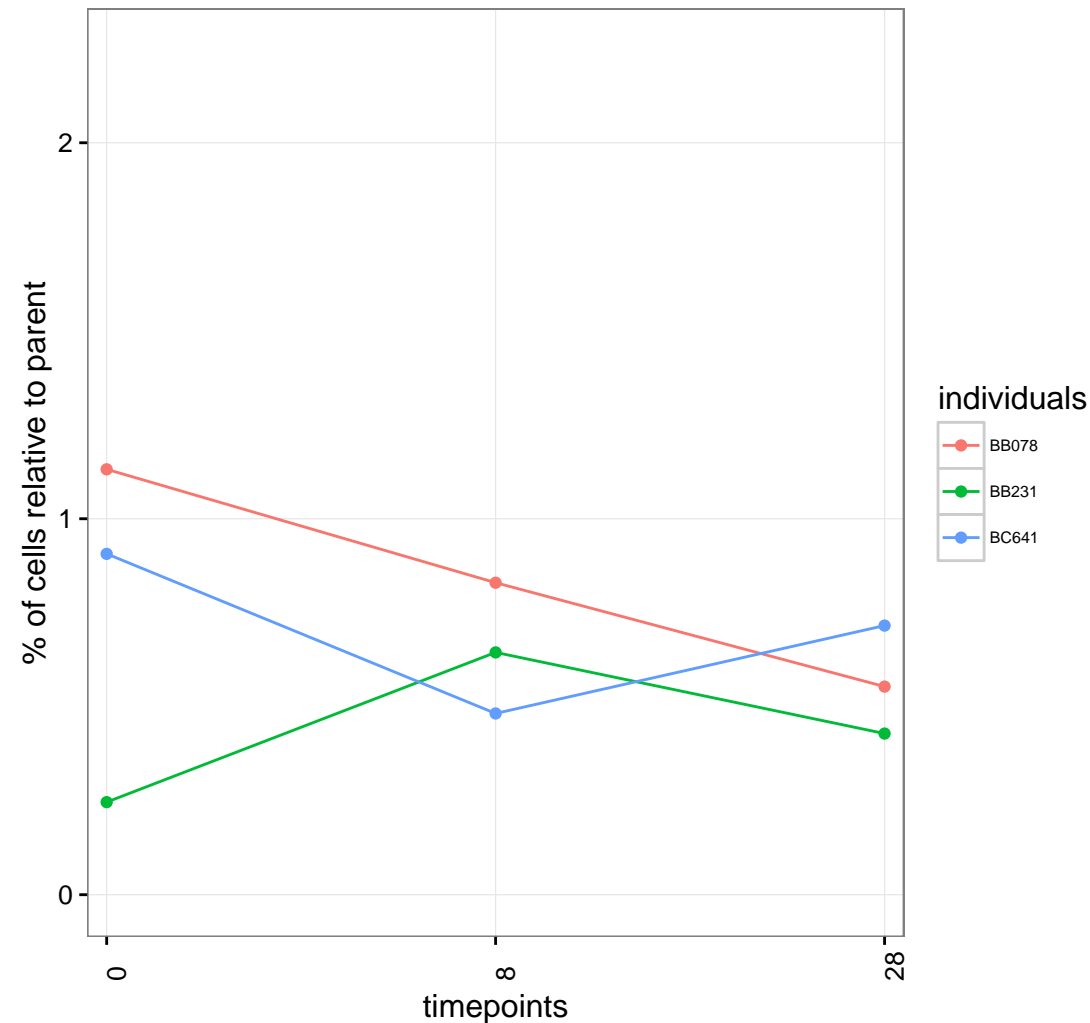
Kinetics Viewer – cluster 50 (2 408 cells)



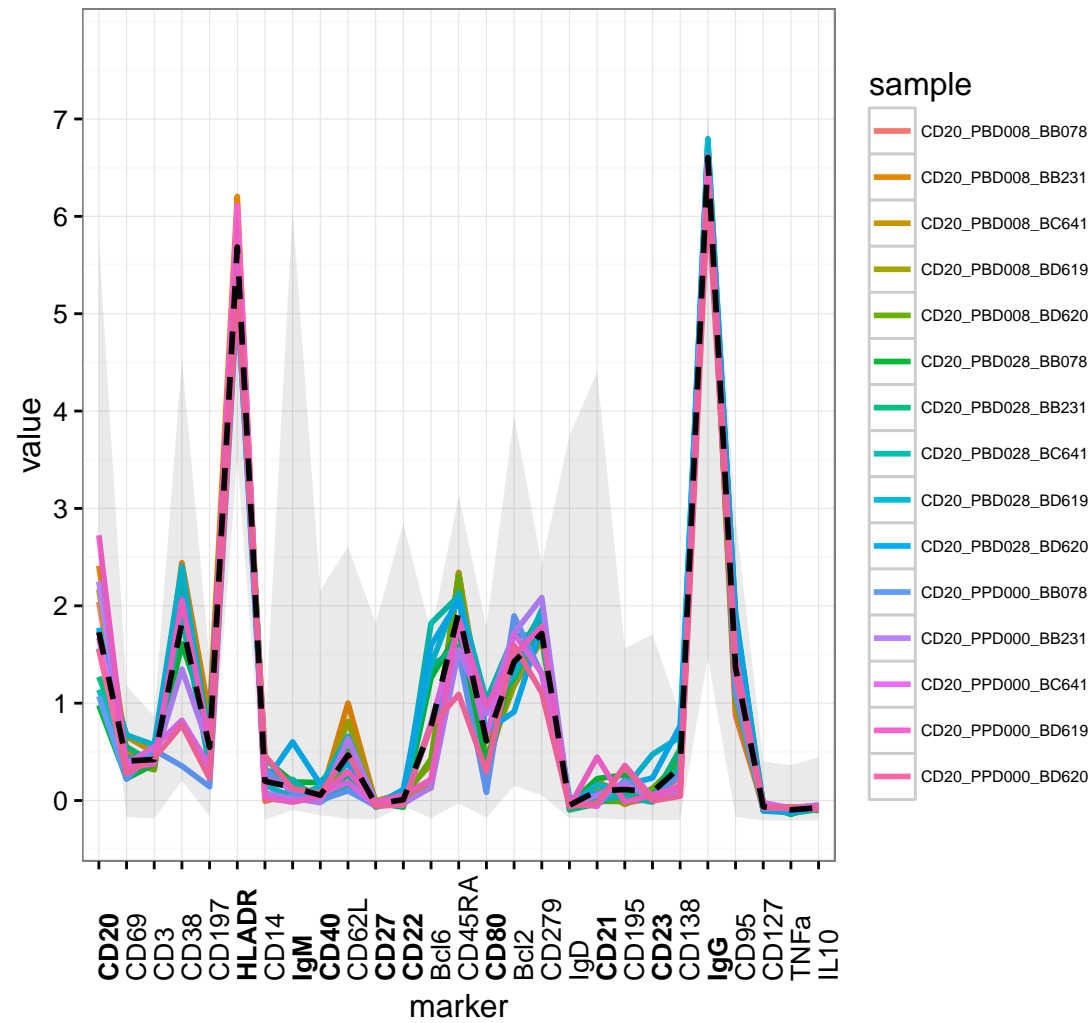
Pheno Viewer – cluster 50 (4 953 cells)



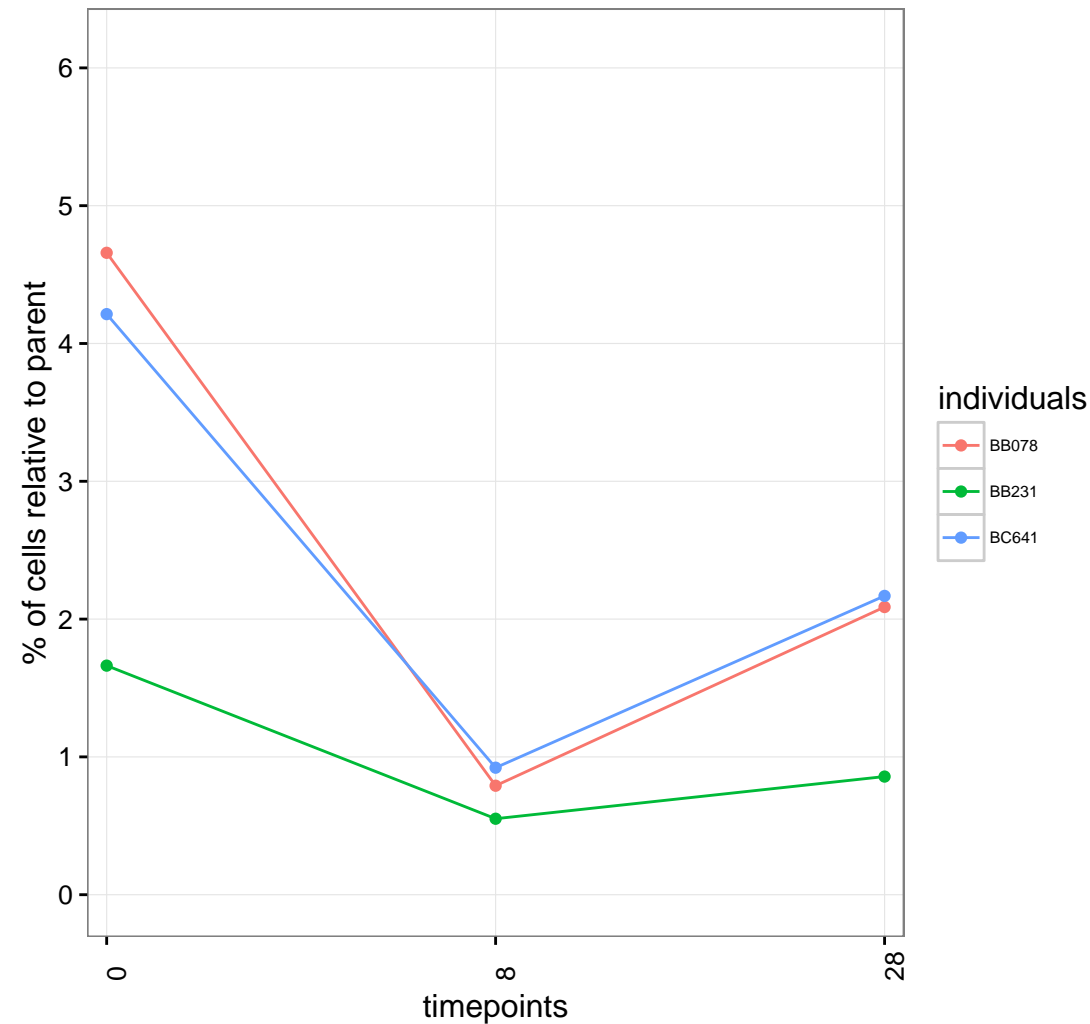
Kinetics Viewer – cluster 51 (573 cells)



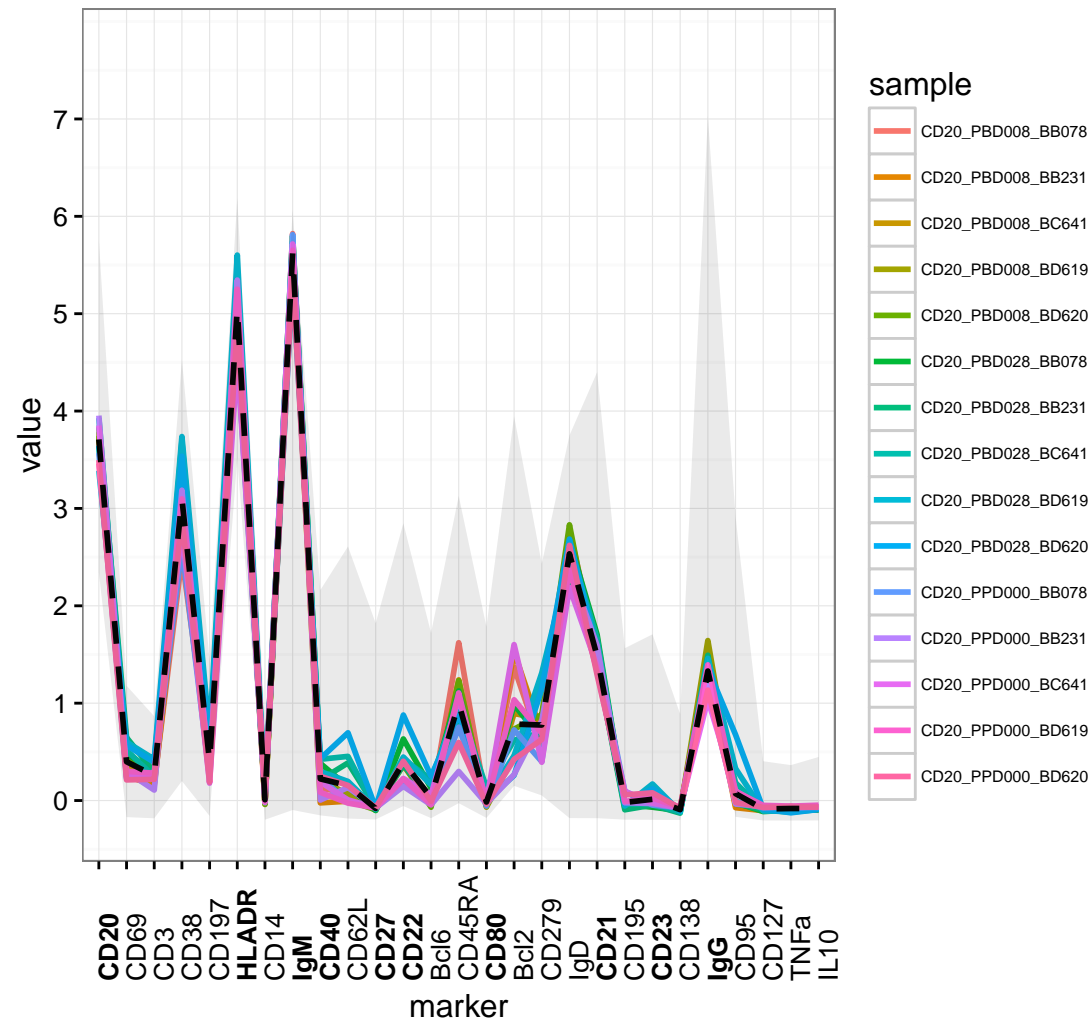
Pheno Viewer – cluster 51 (1 071 cells)



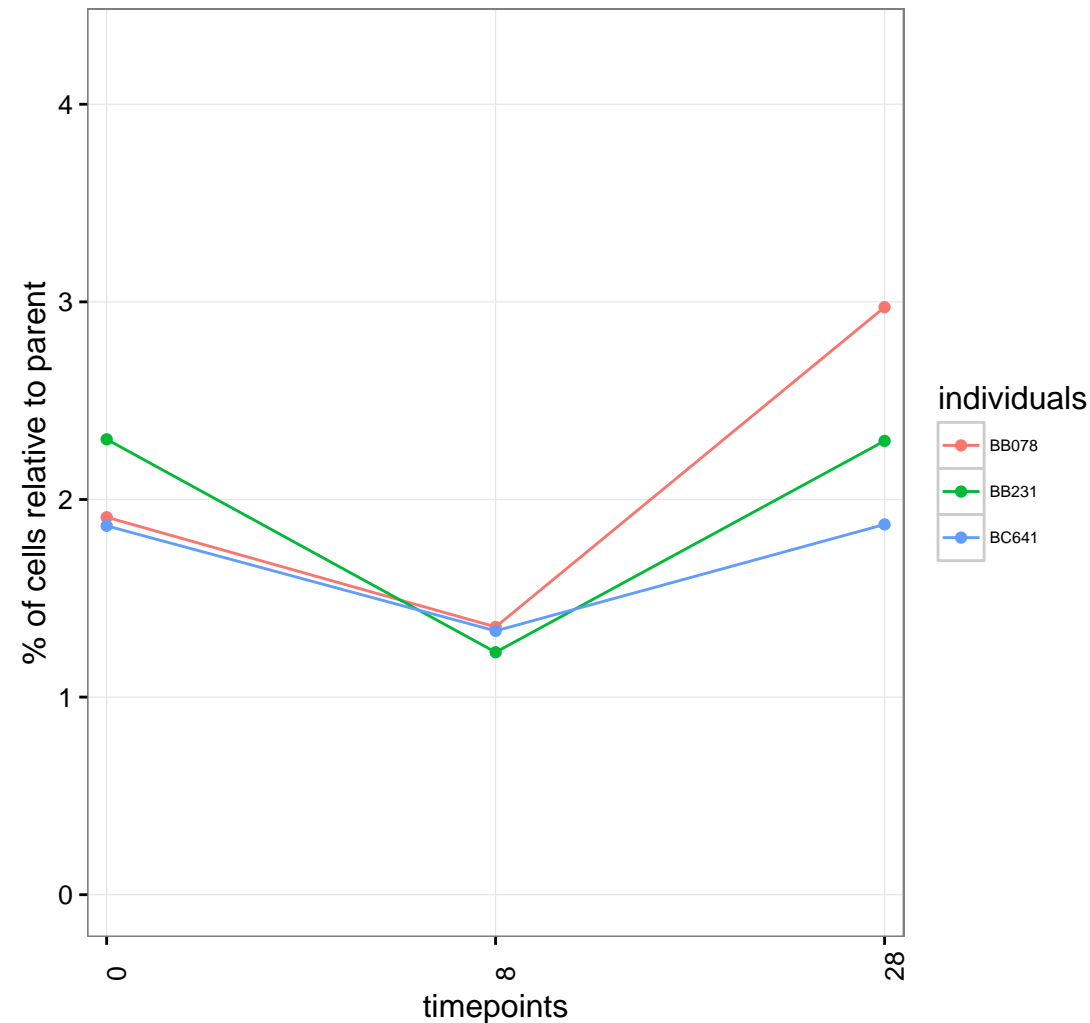
Kinetics Viewer – cluster 52 (1 368 cells)



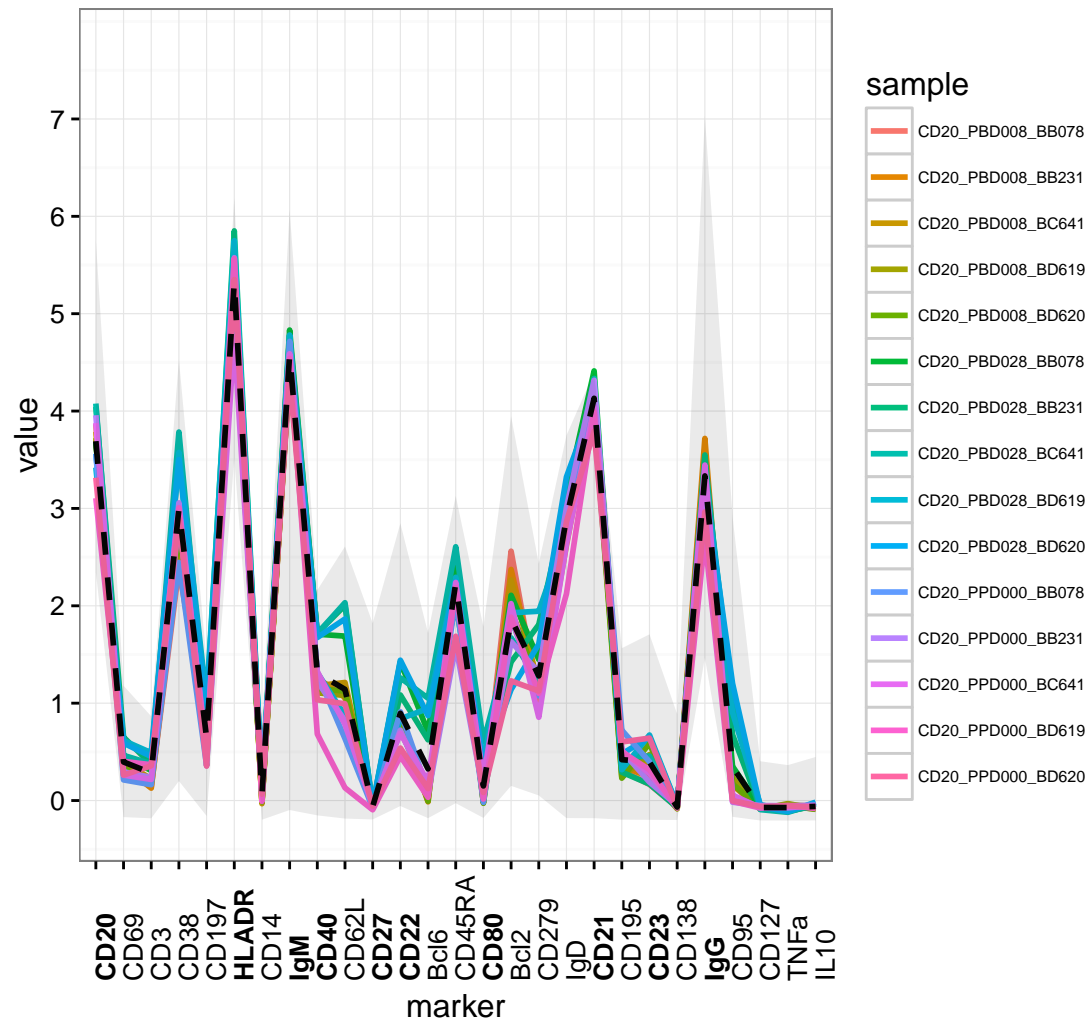
Pheno Viewer – cluster 52 (3 978 cells)



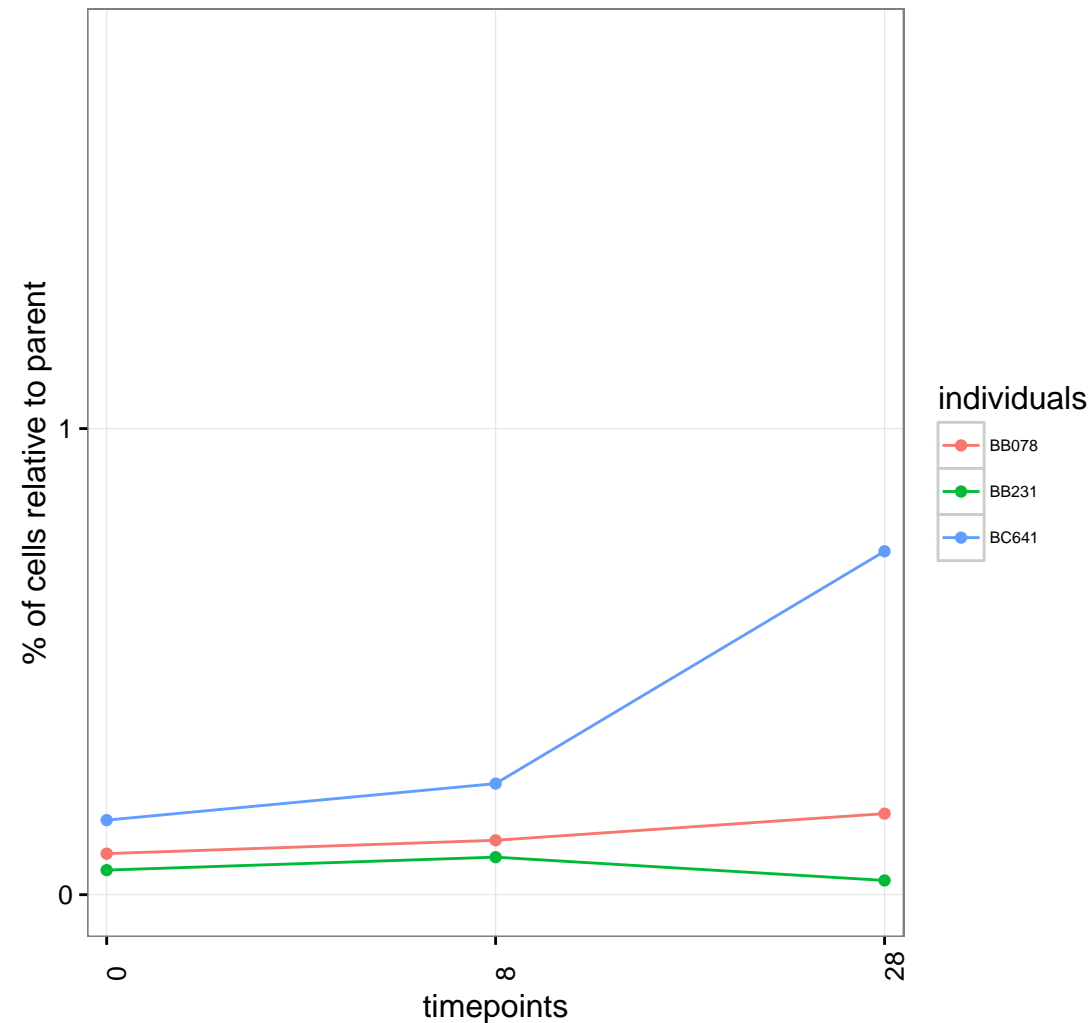
Kinetics Viewer – cluster 53 (1 623 cells)



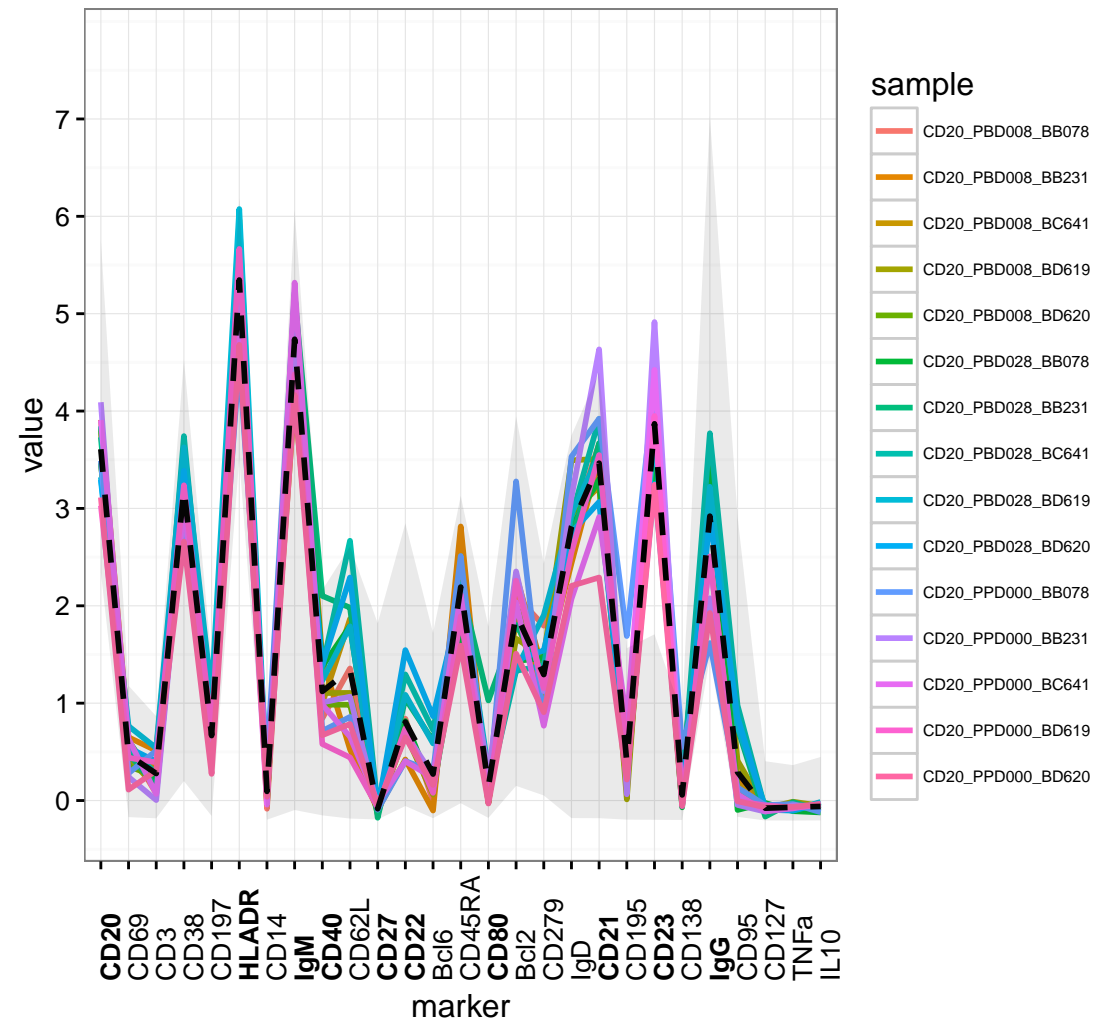
Pheno Viewer – cluster 53 (3 733 cells)



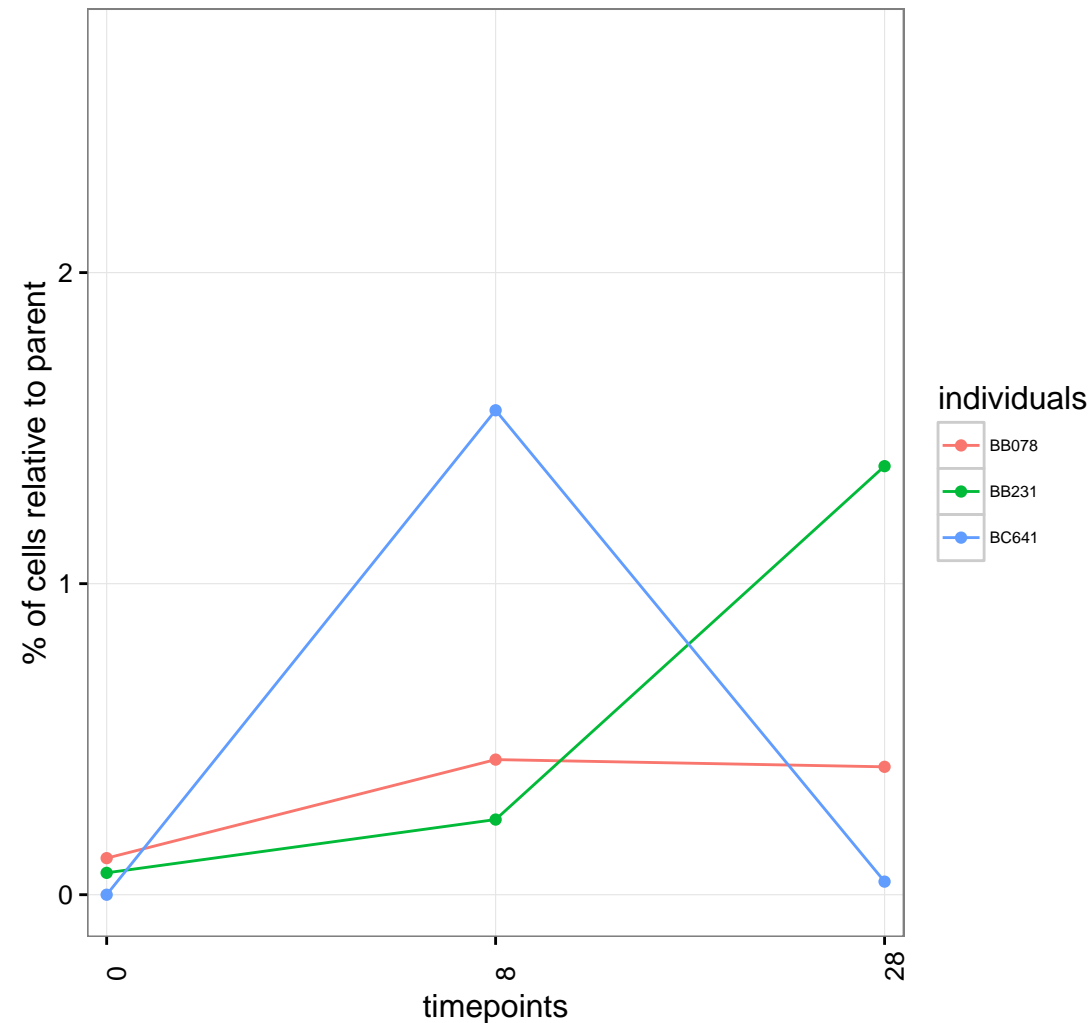
Kinetics Viewer – cluster 54 (143 cells)



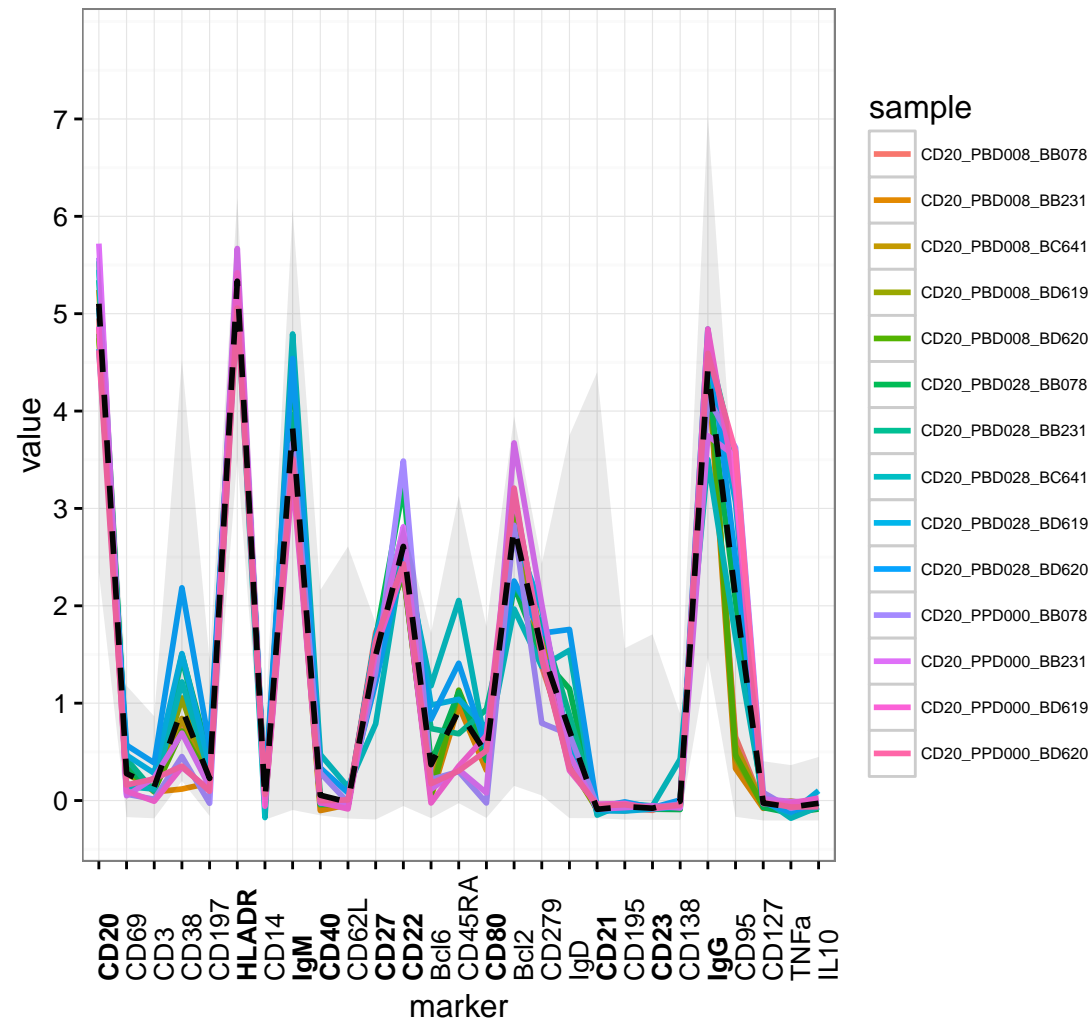
Pheno Viewer – cluster 54 (656 cells)



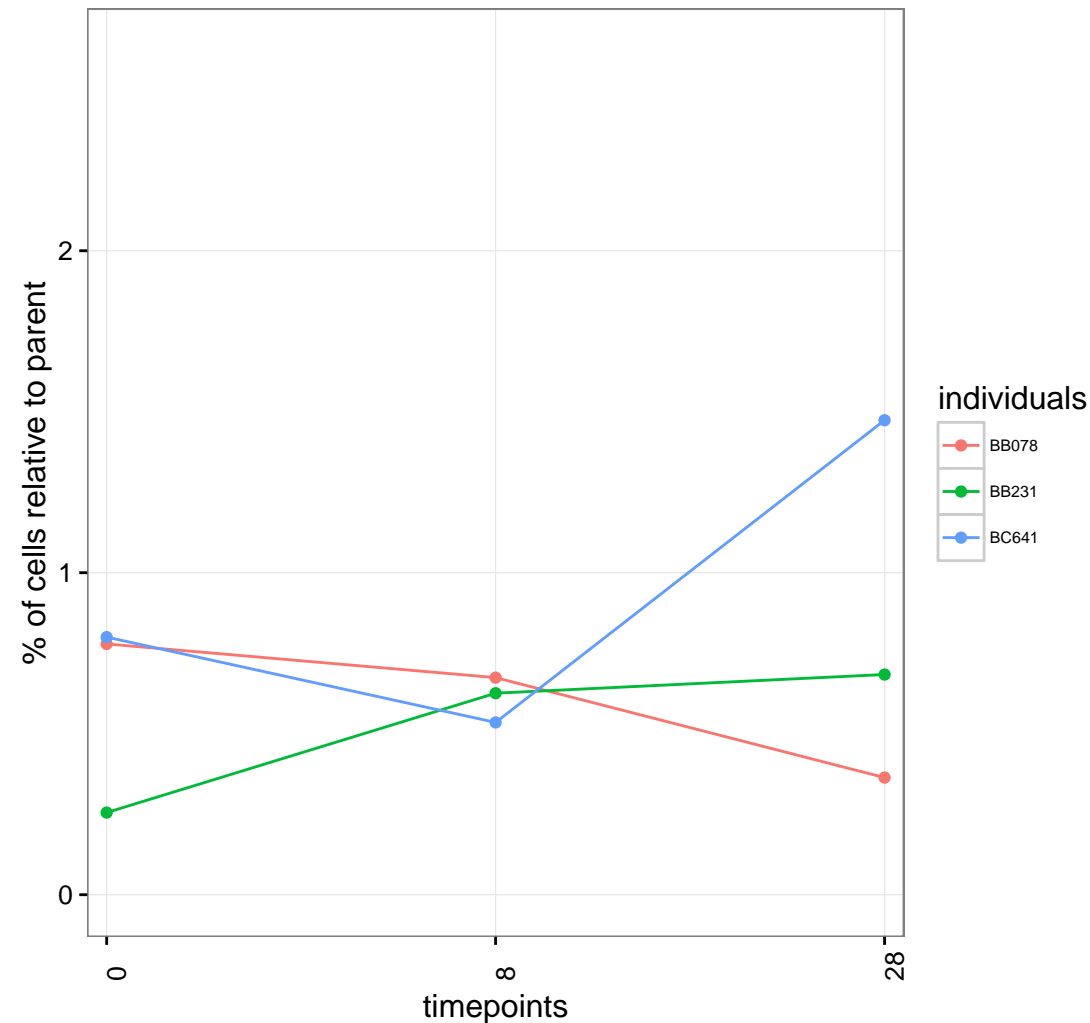
Kinetics Viewer – cluster 55 (579 cells)



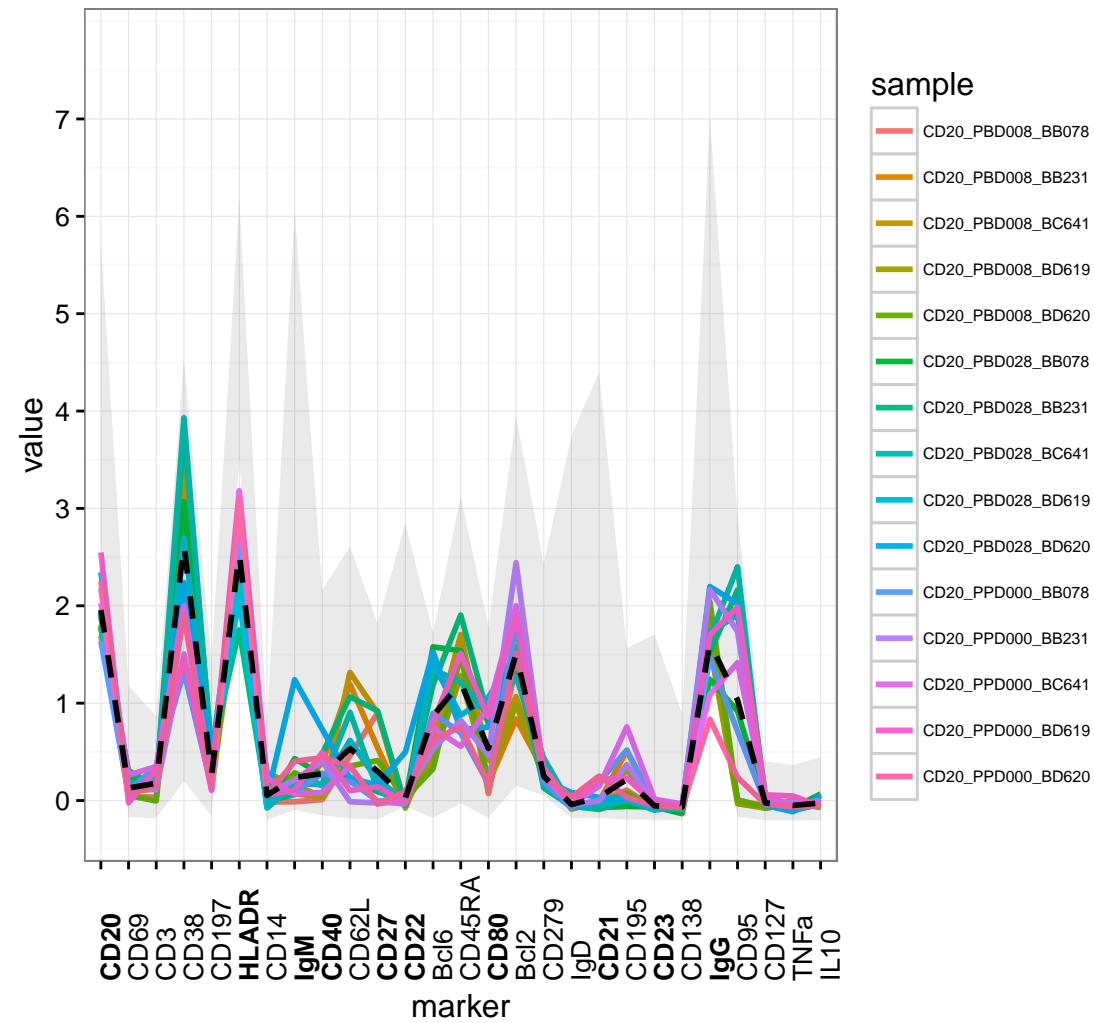
Pheno Viewer – cluster 55 (1 988 cells)



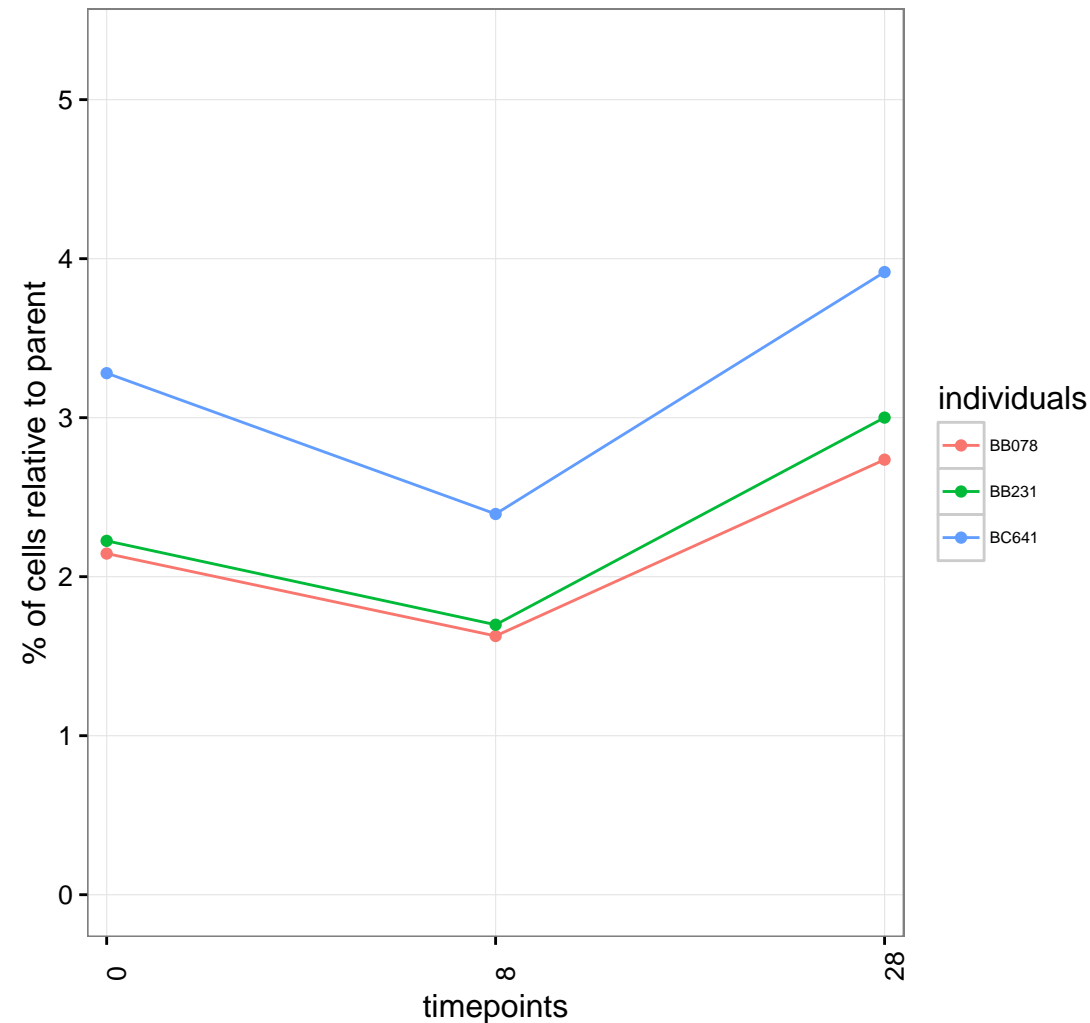
Kinetics Viewer – cluster 56 (578 cells)



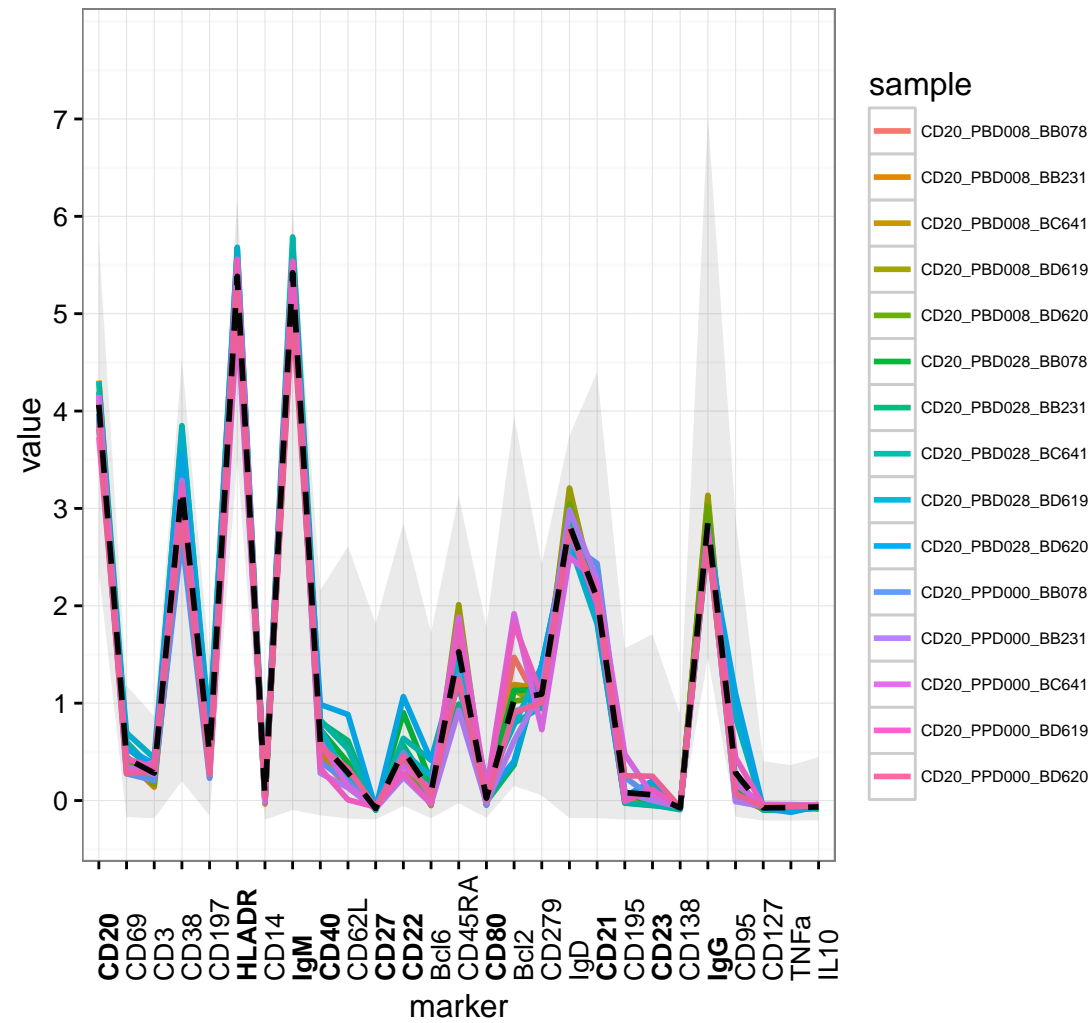
Pheno Viewer – cluster 56 (970 cells)



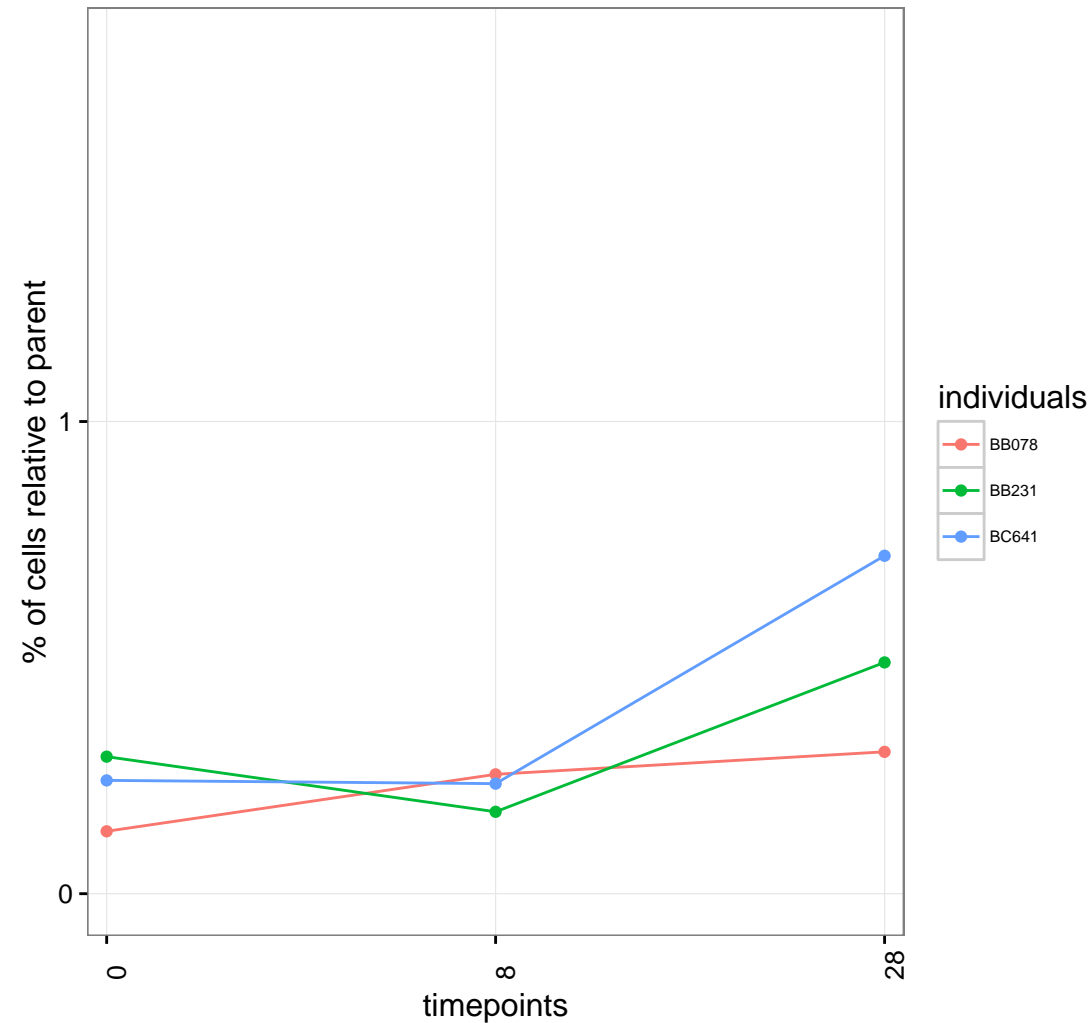
Kinetics Viewer – cluster 57 (2 152 cells)



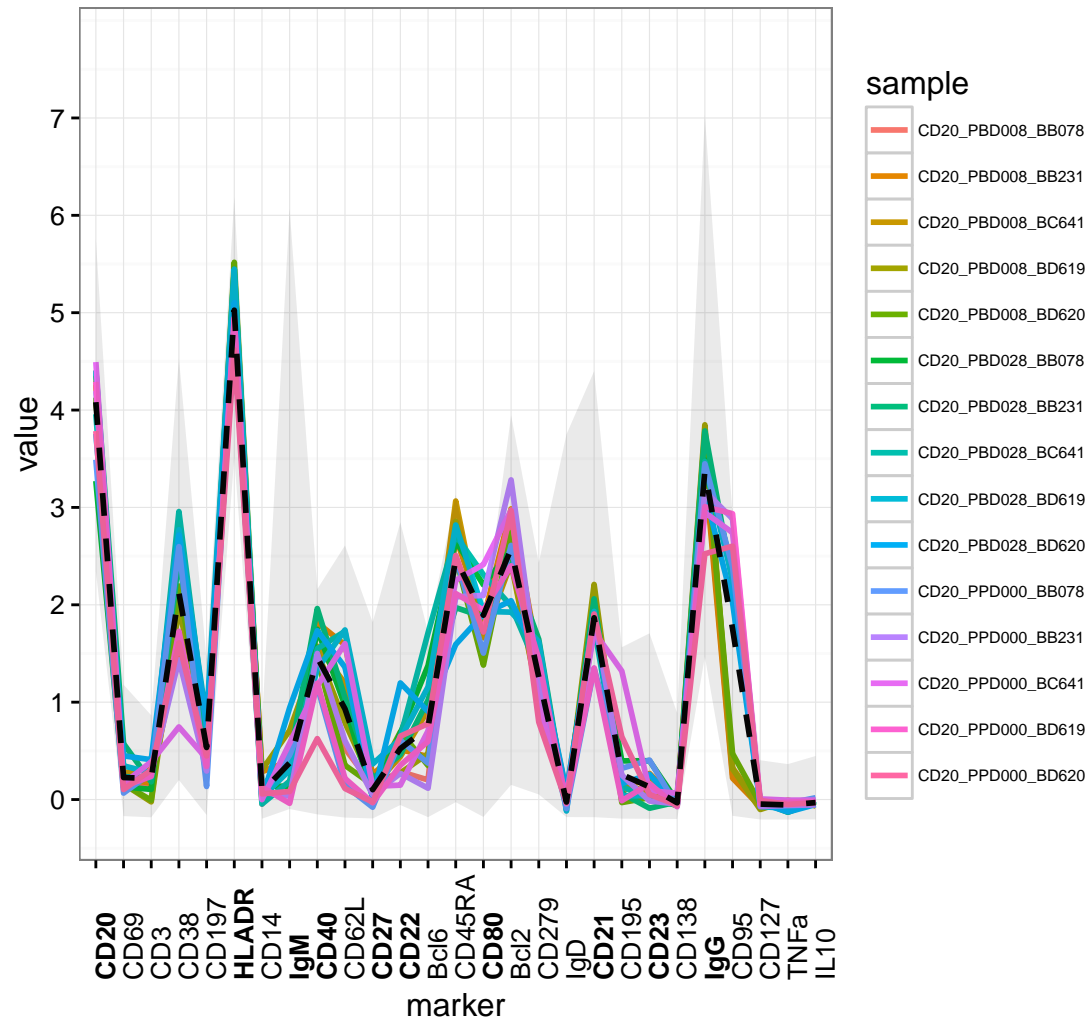
Pheno Viewer – cluster 57 (5 956 cells)



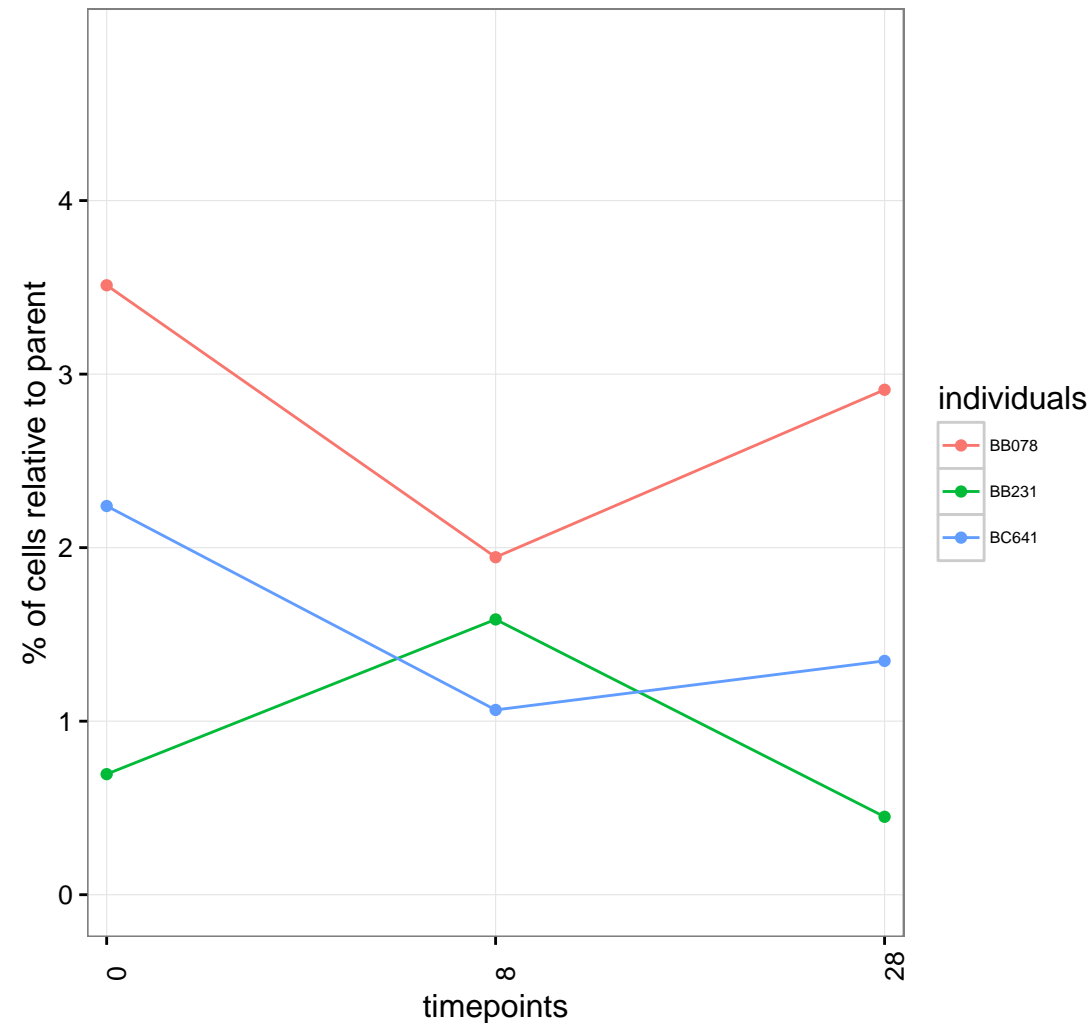
Kinetics Viewer – cluster 58 (263 cells)



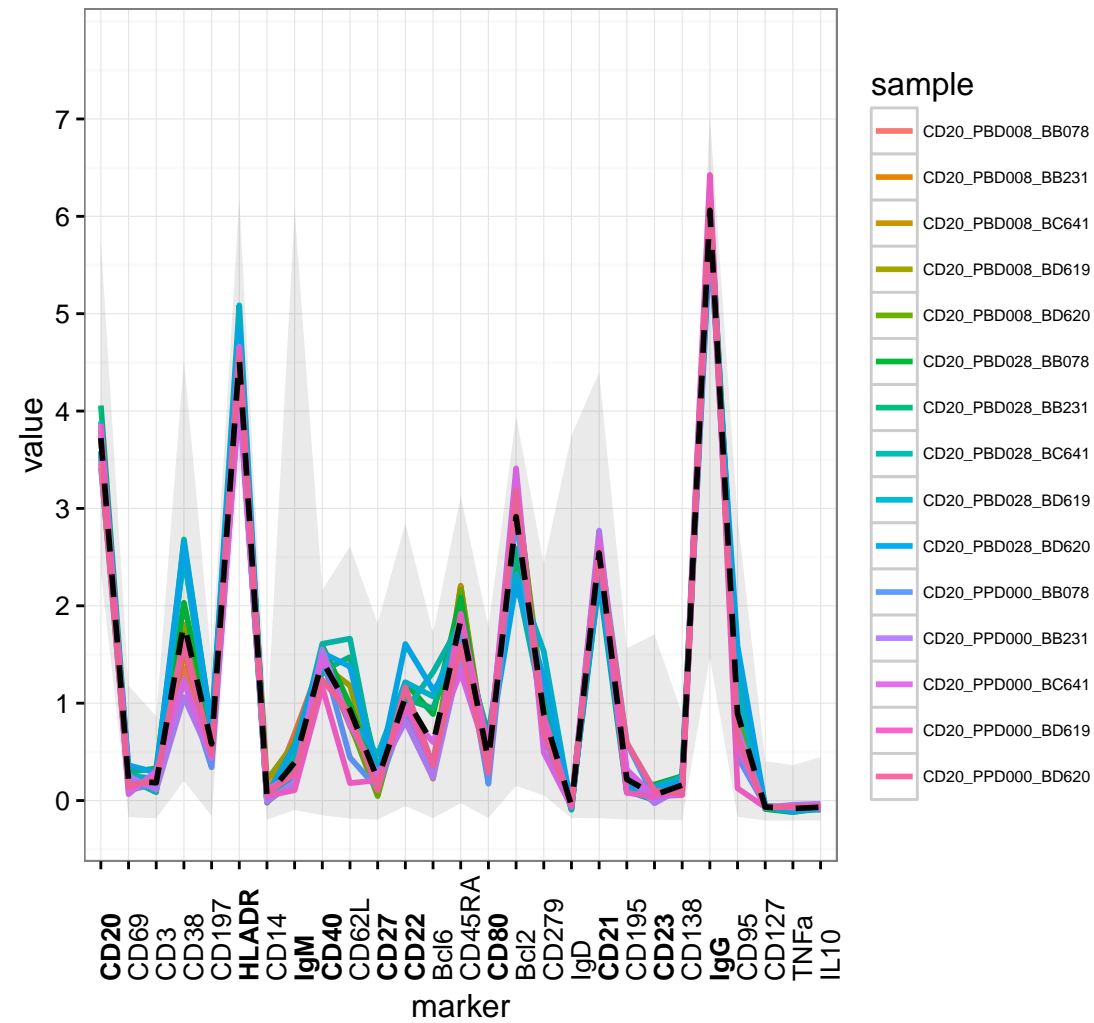
Pheno Viewer – cluster 58 (516 cells)



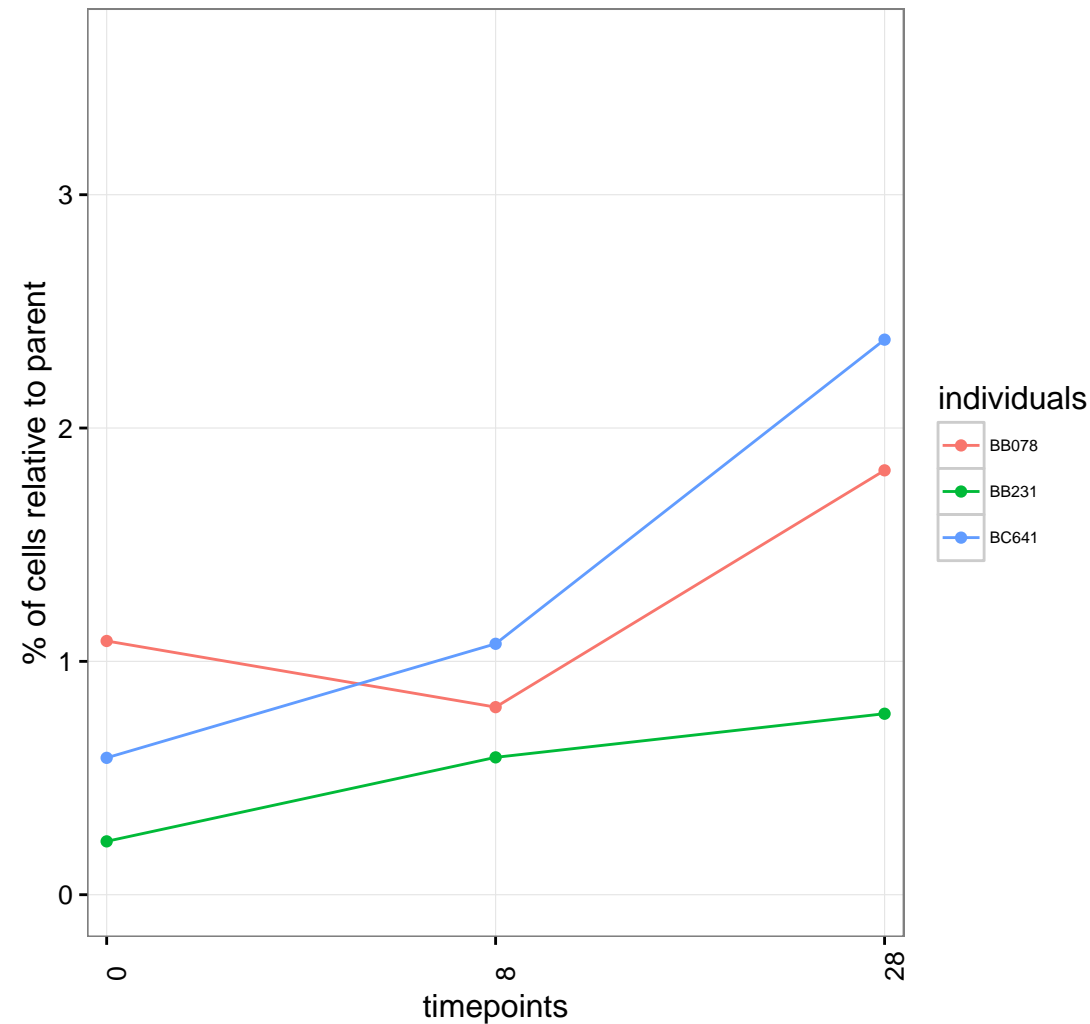
Kinetics Viewer – cluster 59 (1 451 cells)



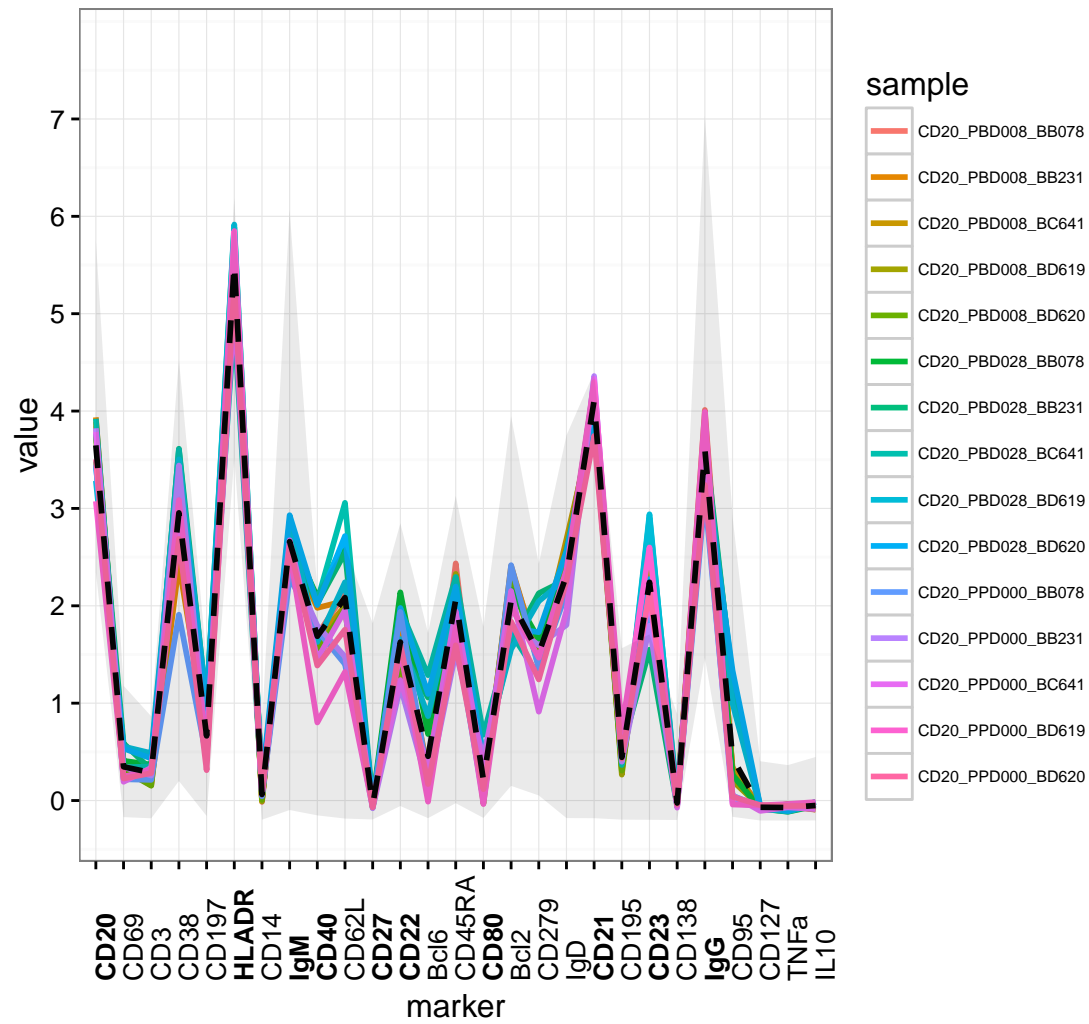
Pheno Viewer – cluster 59 (2 784 cells)



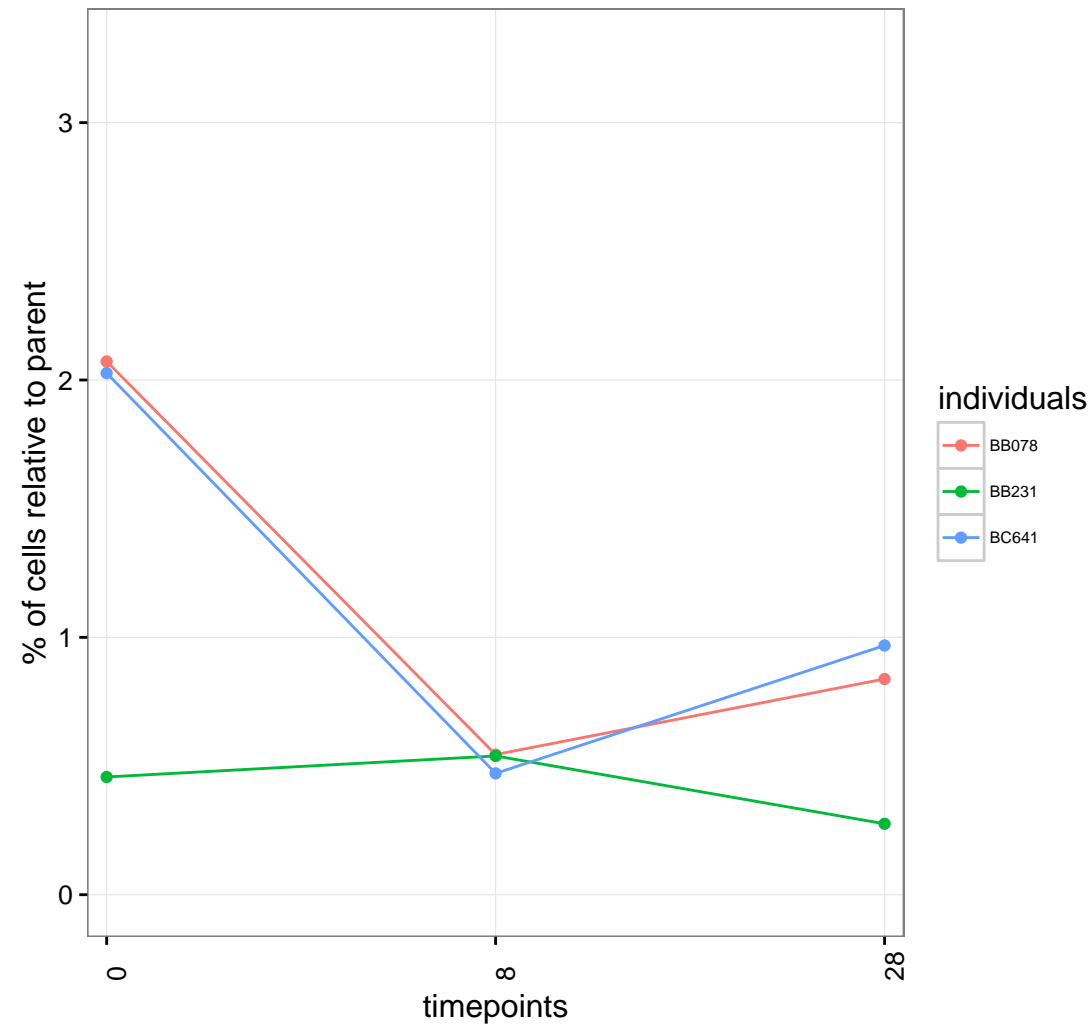
Kinetics Viewer – cluster 60 (848 cells)



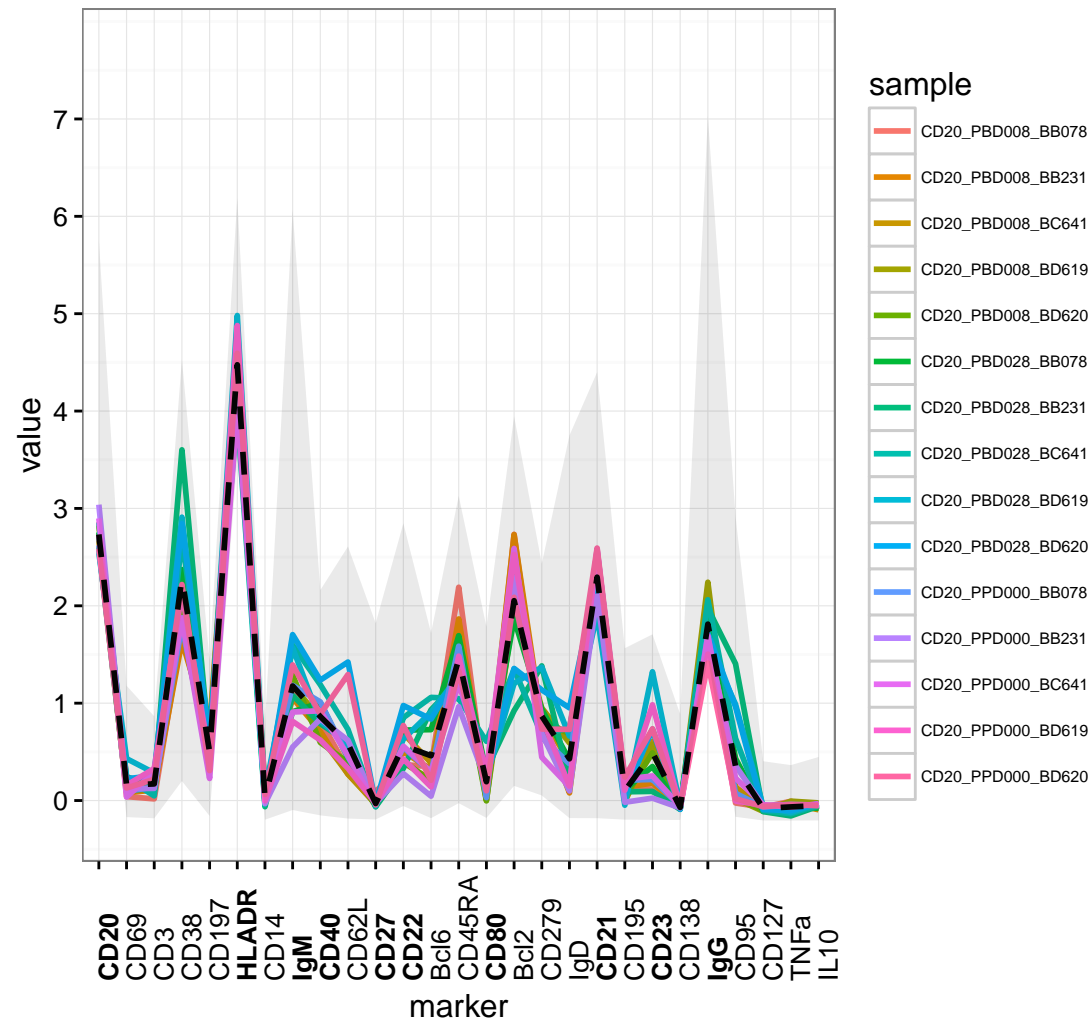
Pheno Viewer – cluster 60 (3 312 cells)



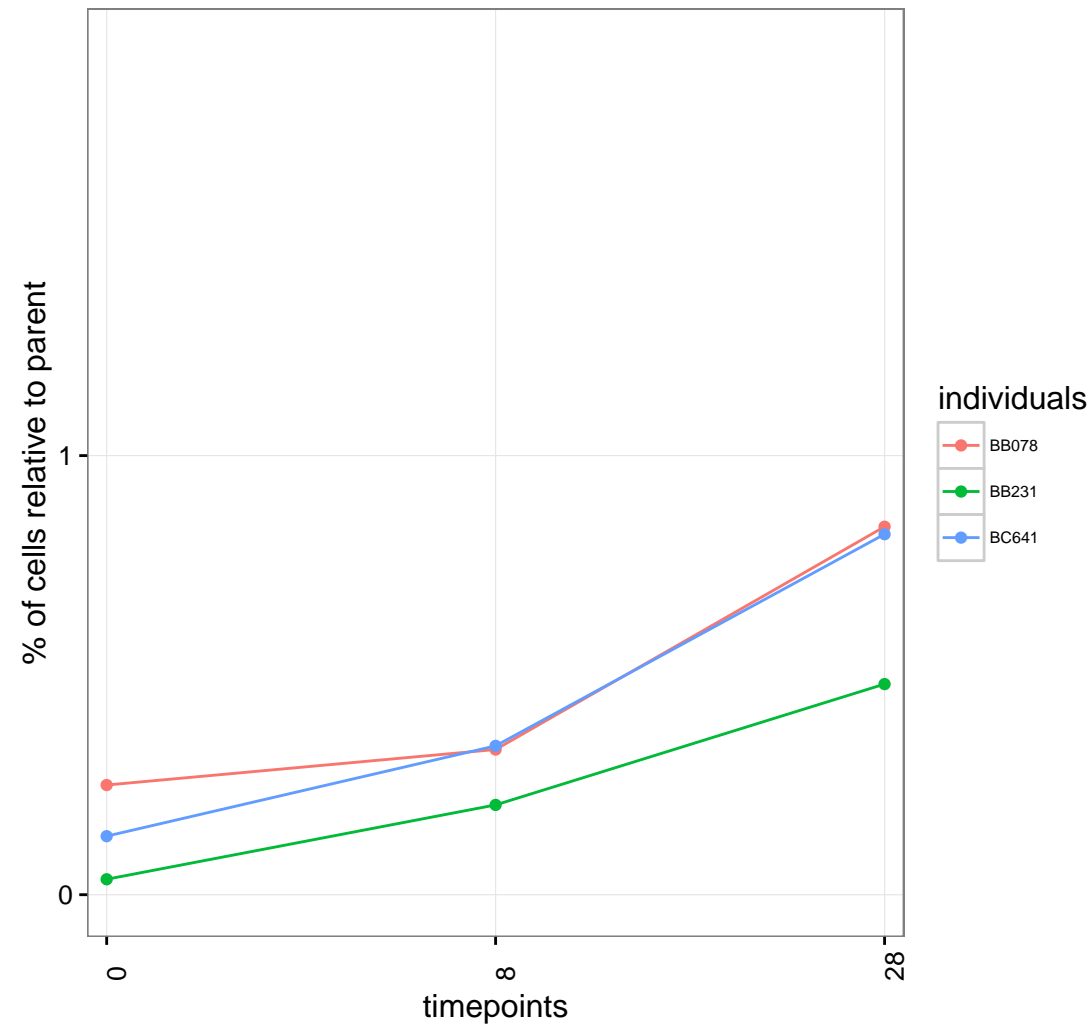
Kinetics Viewer – cluster 61 (655 cells)



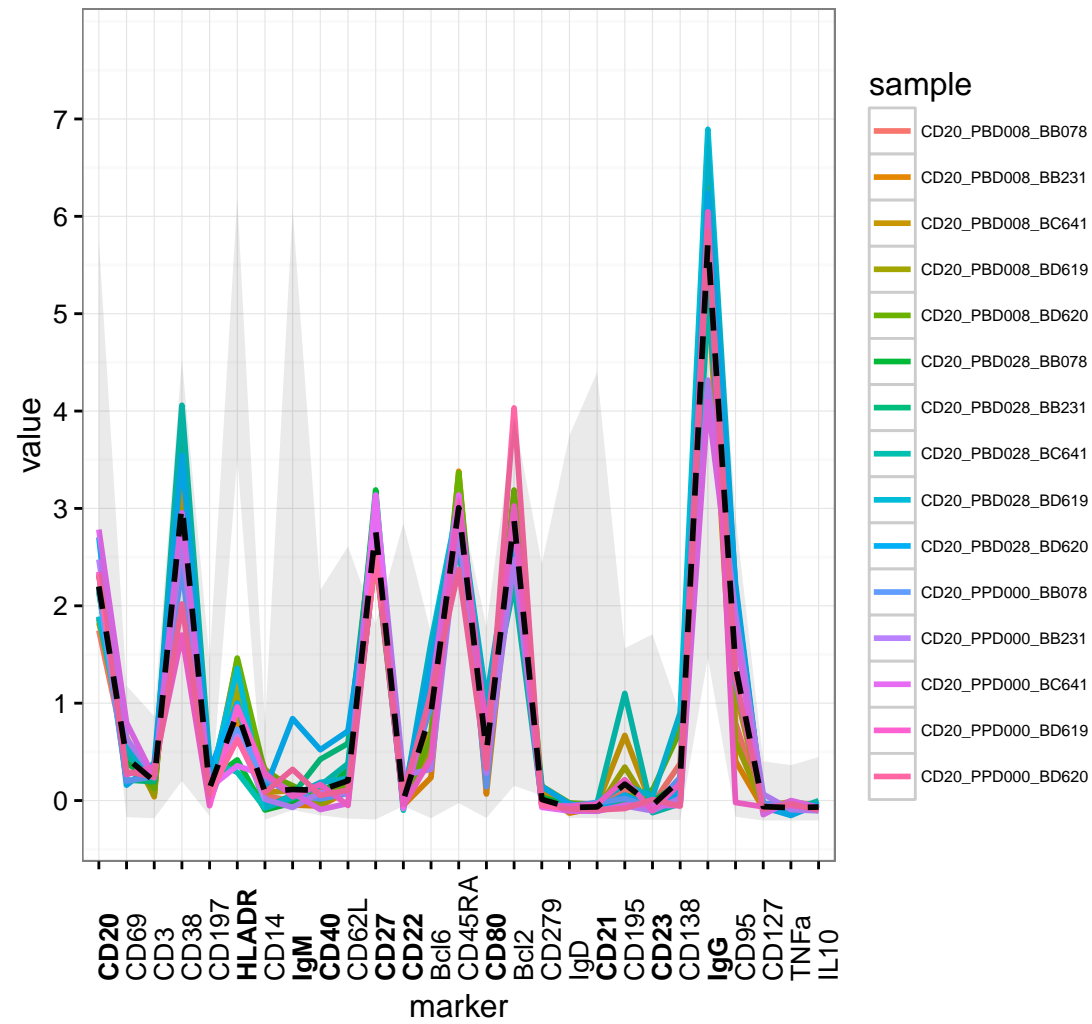
Pheno Viewer – cluster 61 (2 311 cells)



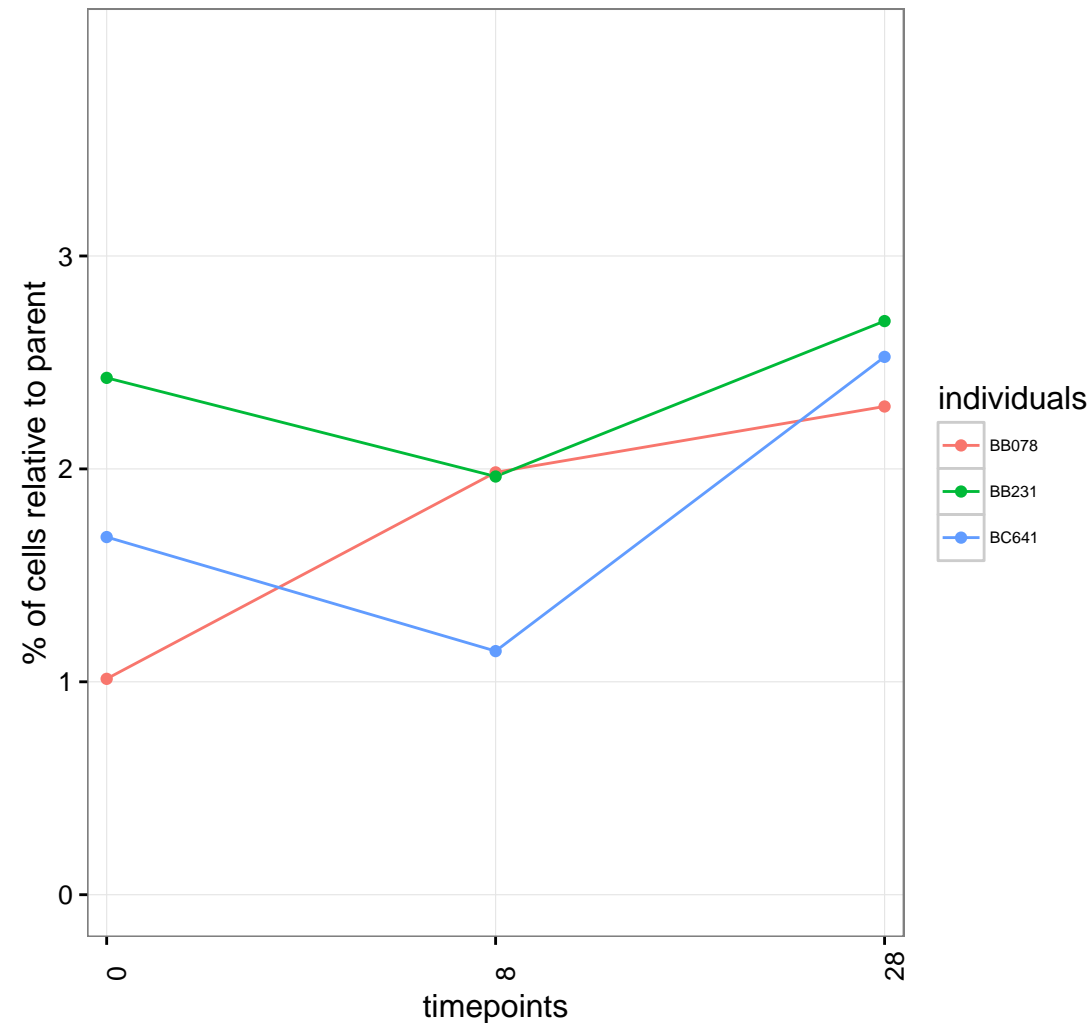
Kinetics Viewer – cluster 62 (313 cells)



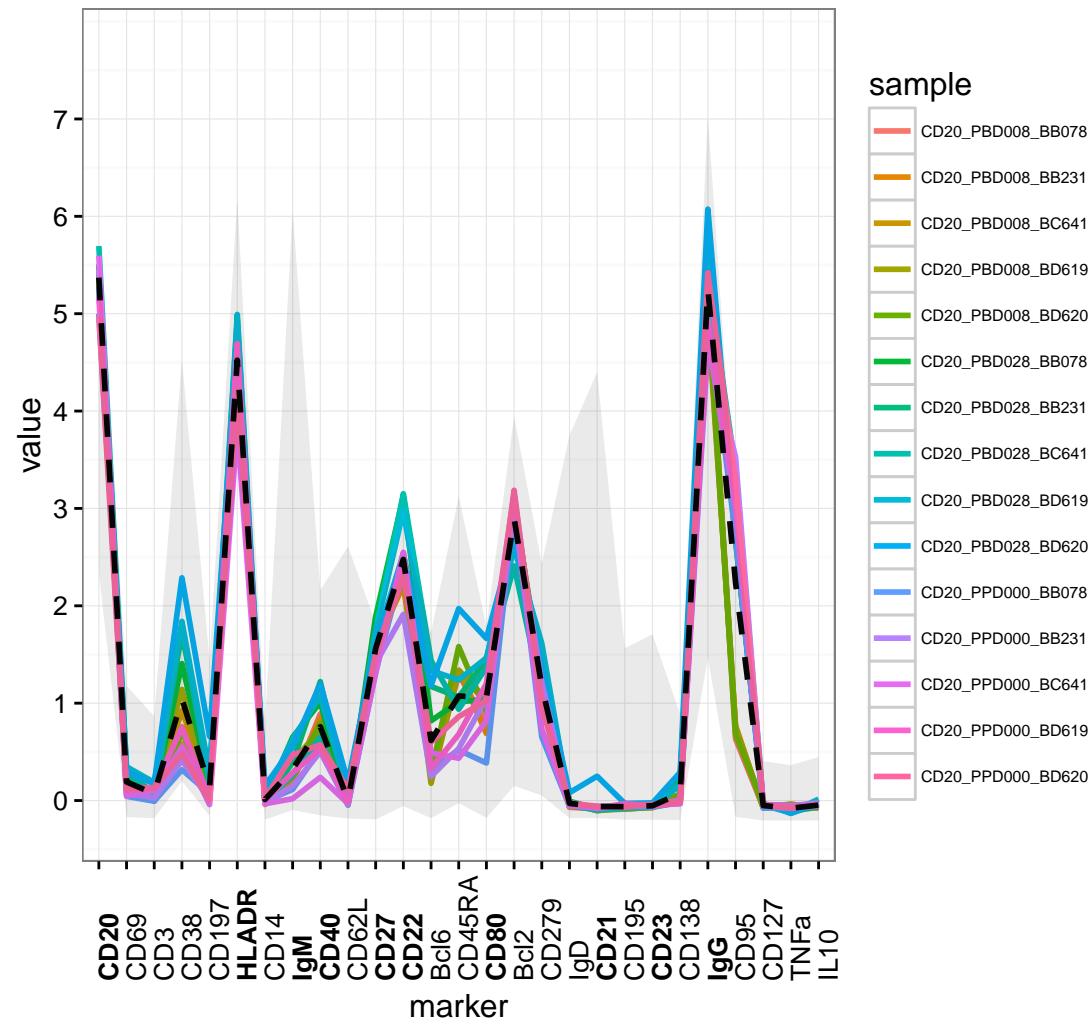
Pheno Viewer – cluster 62 (523 cells)



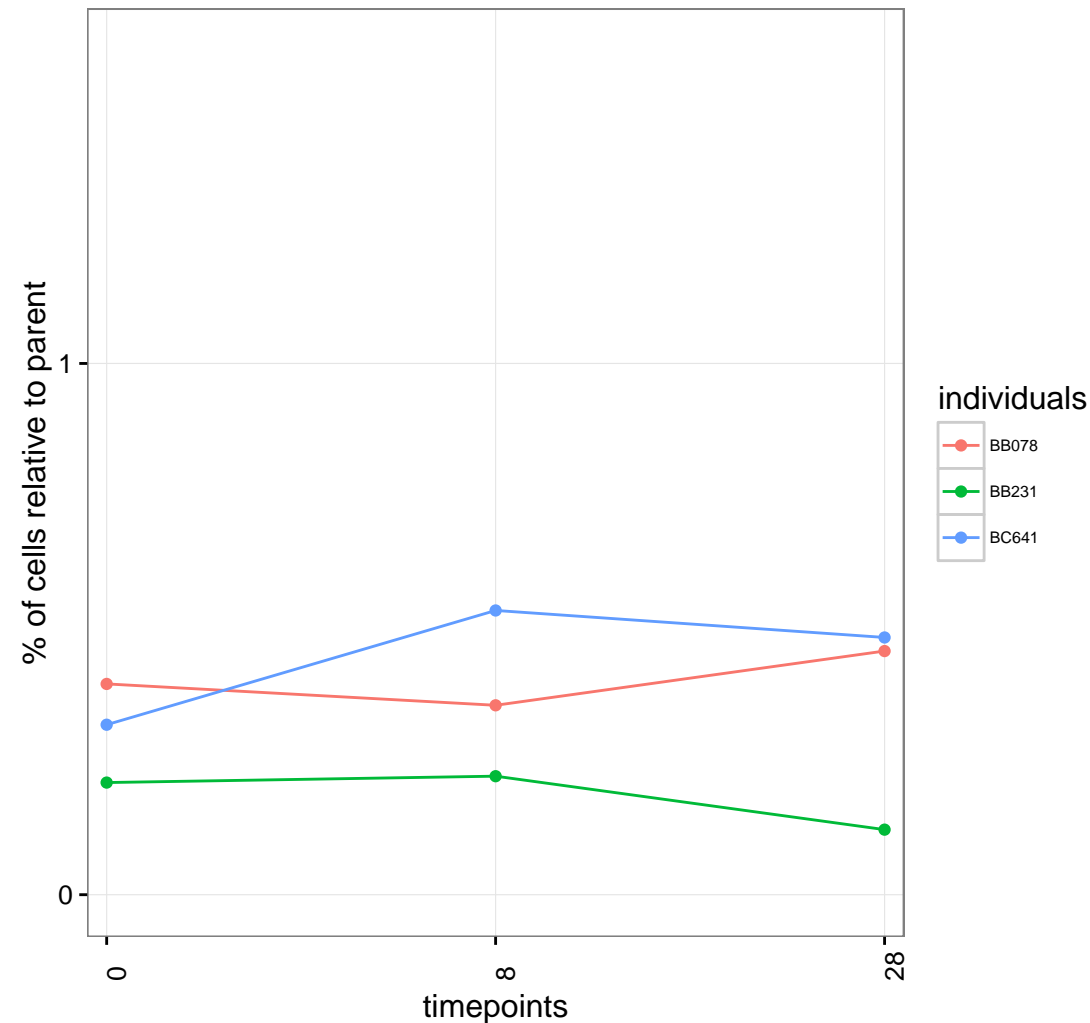
Kinetics Viewer – cluster 63 (1 776 cells)



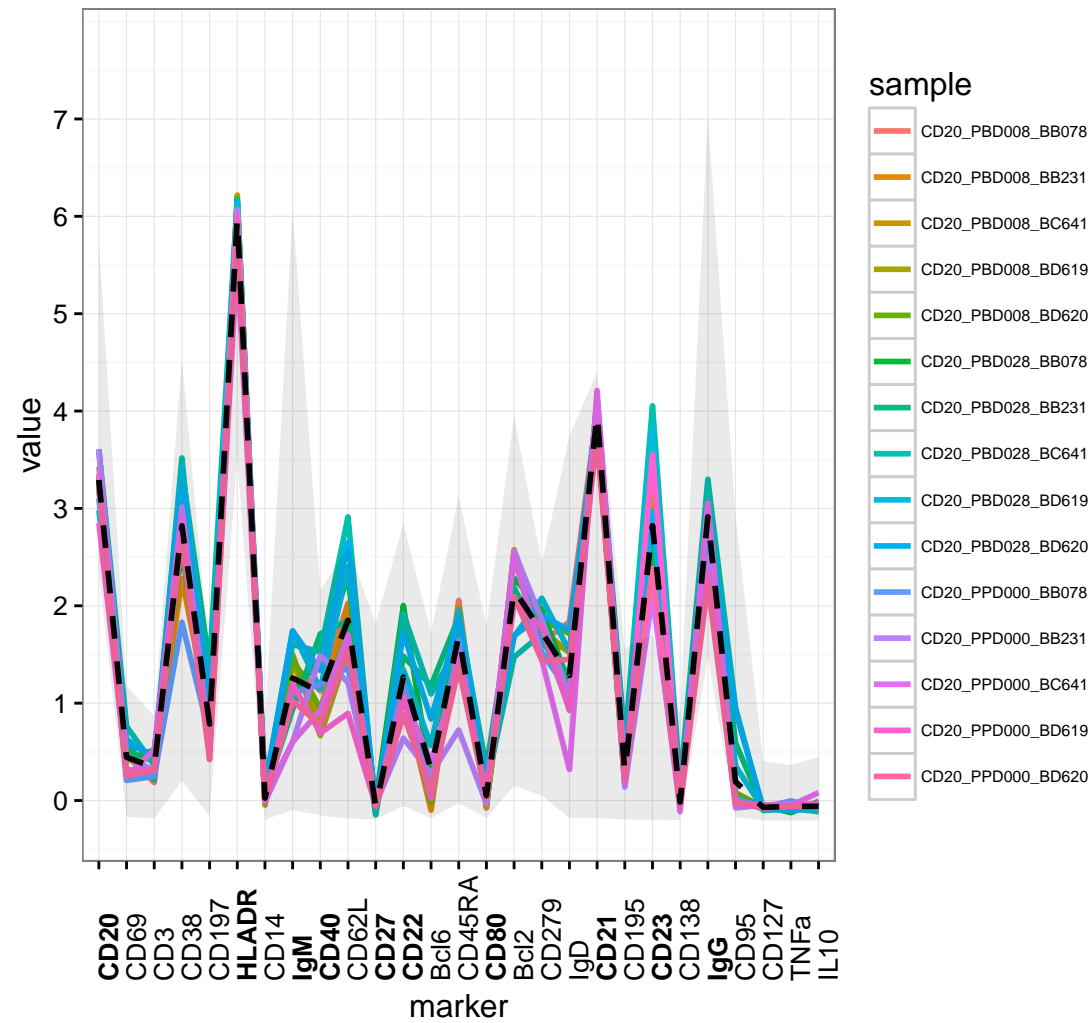
Pheno Viewer – cluster 63 (2 721 cells)



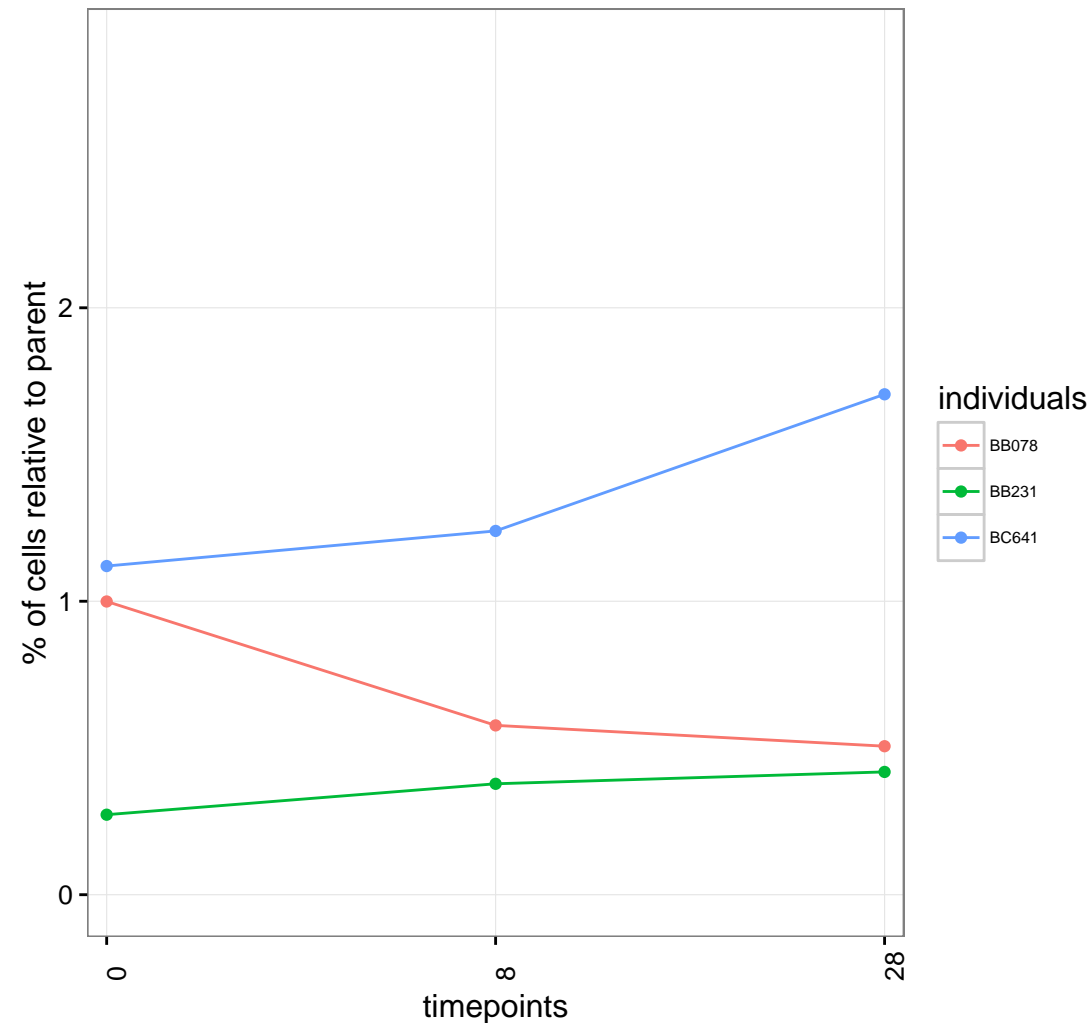
Kinetics Viewer – cluster 64 (319 cells)



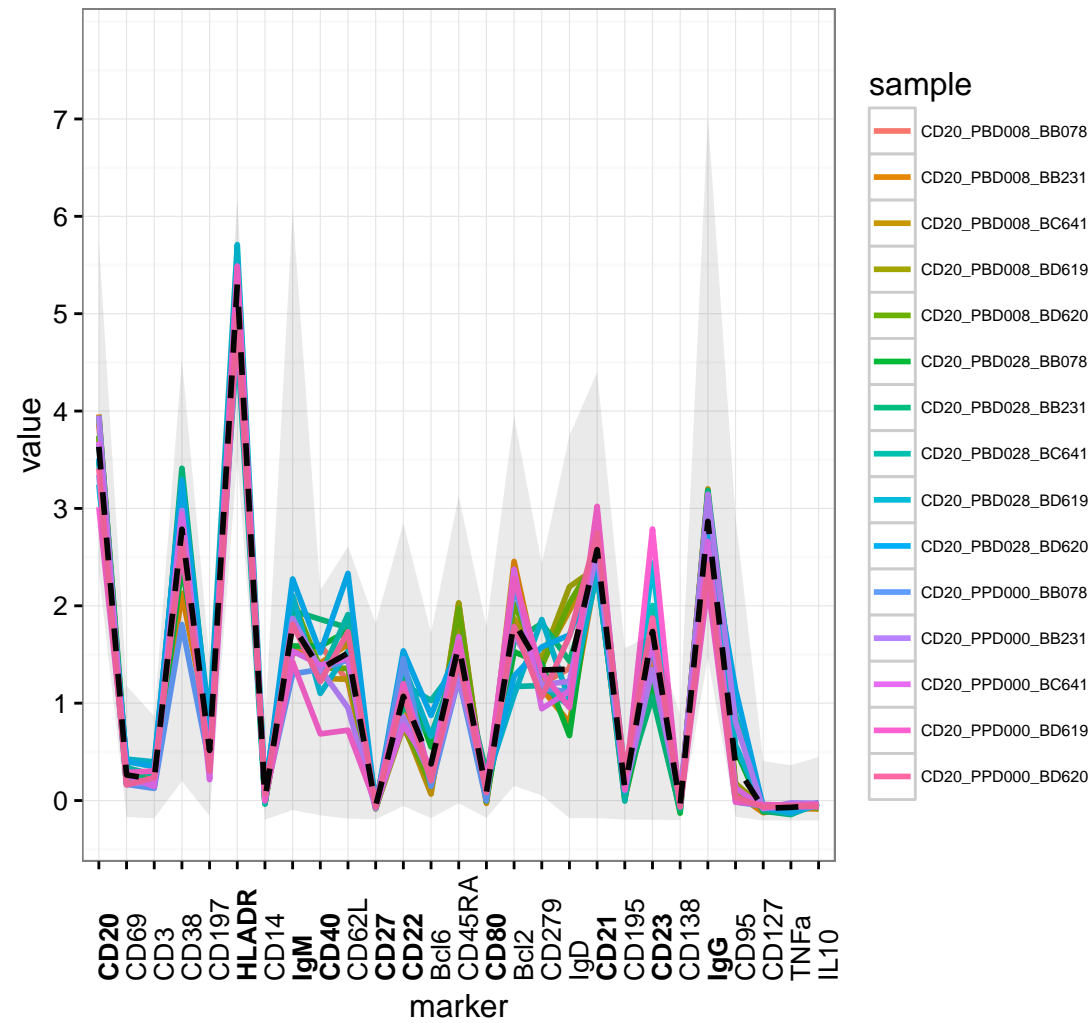
Pheno Viewer – cluster 64 (1 437 cells)



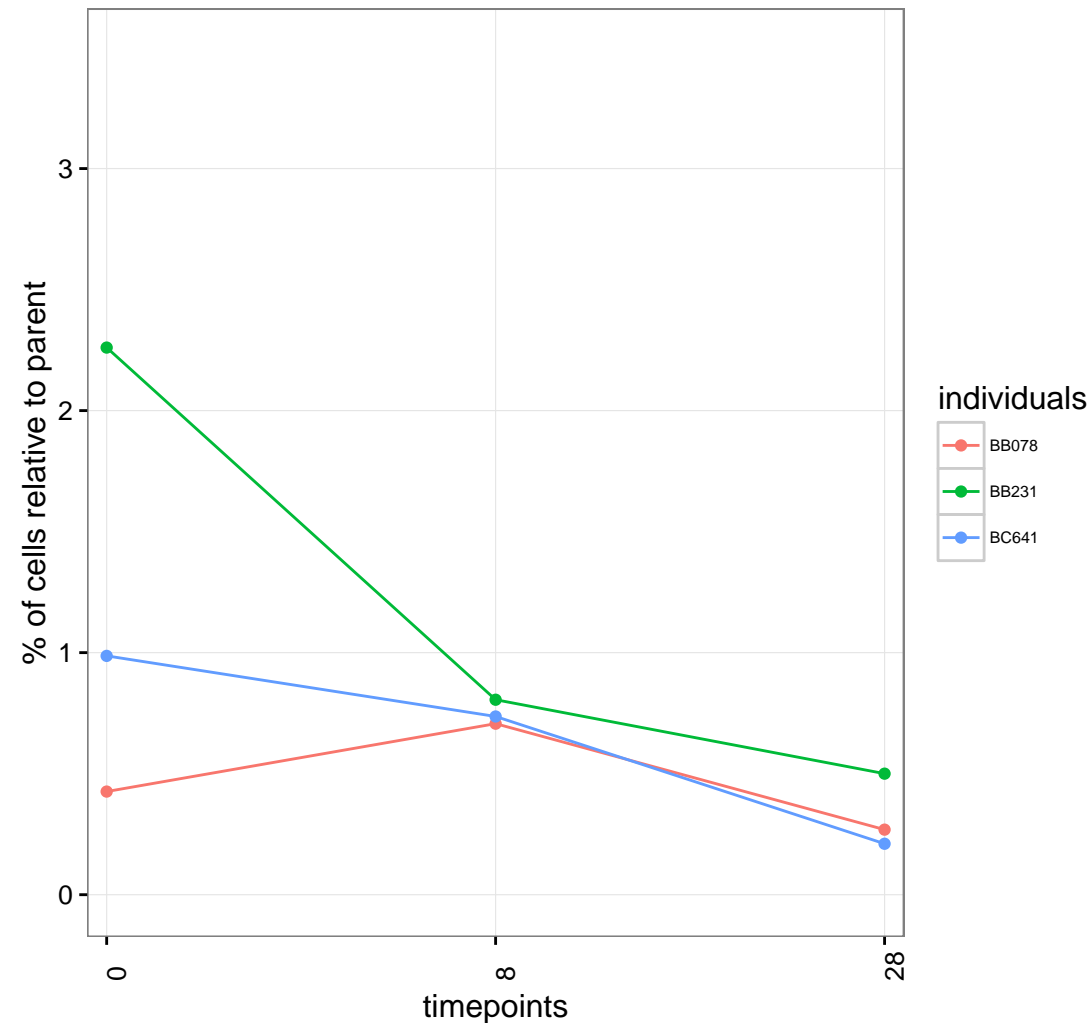
Kinetics Viewer – cluster 65 (679 cells)



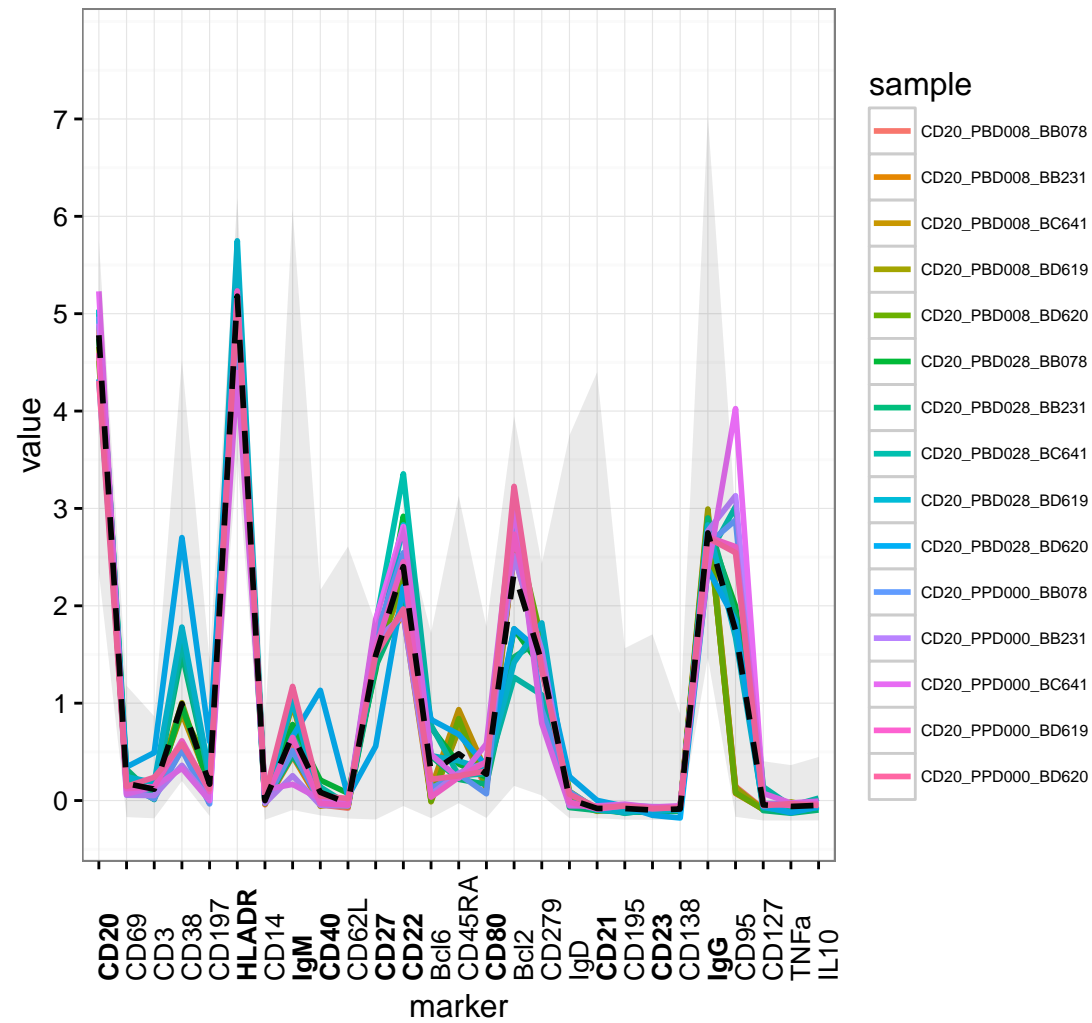
Pheno Viewer – cluster 65 (3 375 cells)



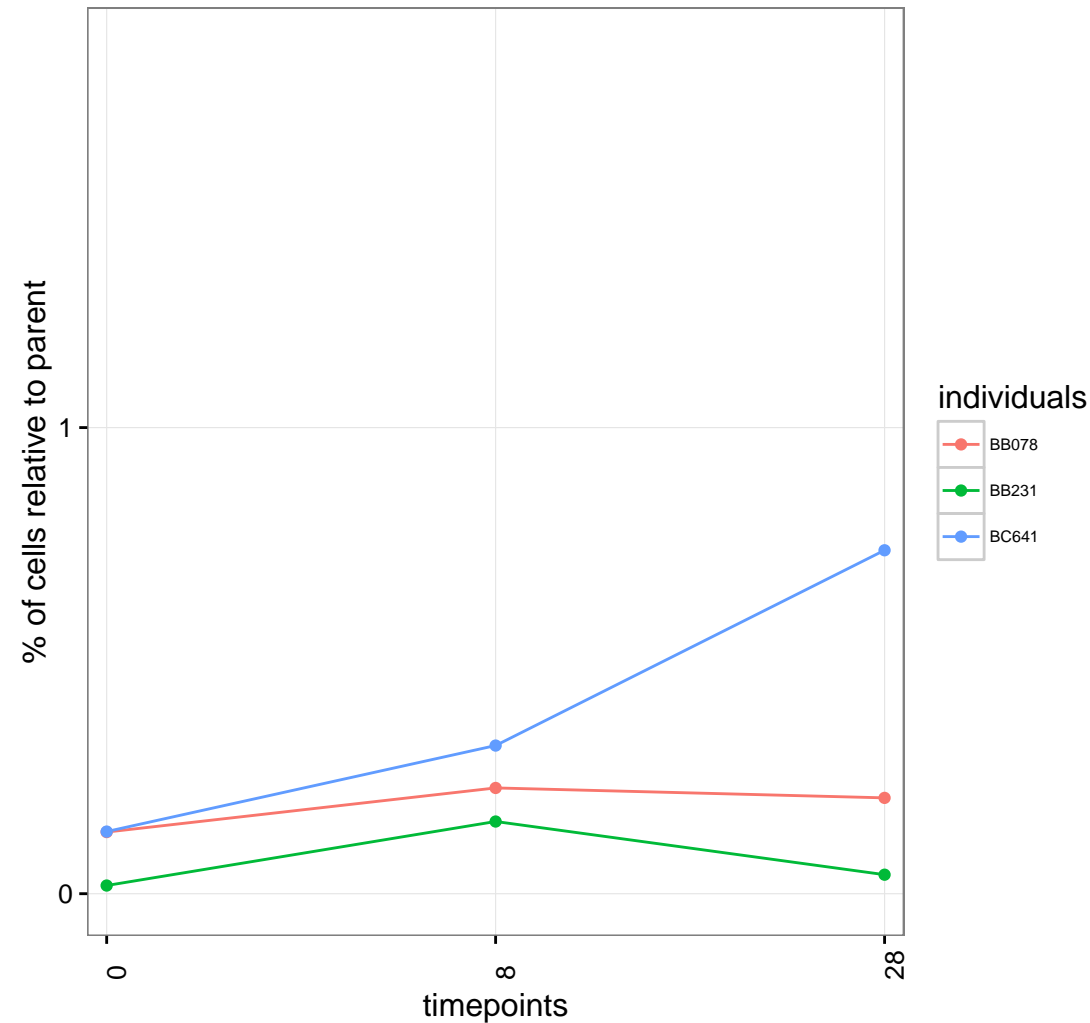
Kinetics Viewer – cluster 66 (777 cells)



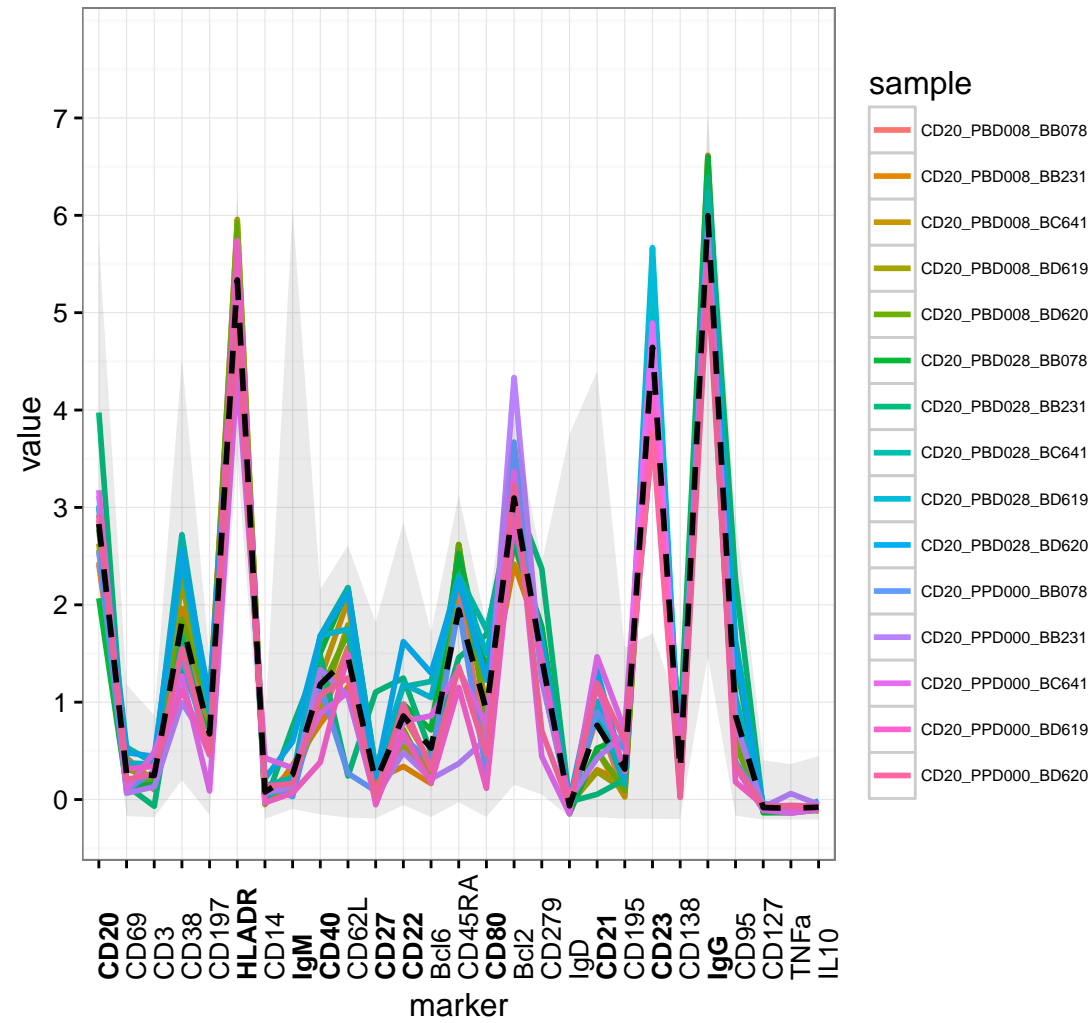
Pheno Viewer – cluster 66 (2 107 cells)



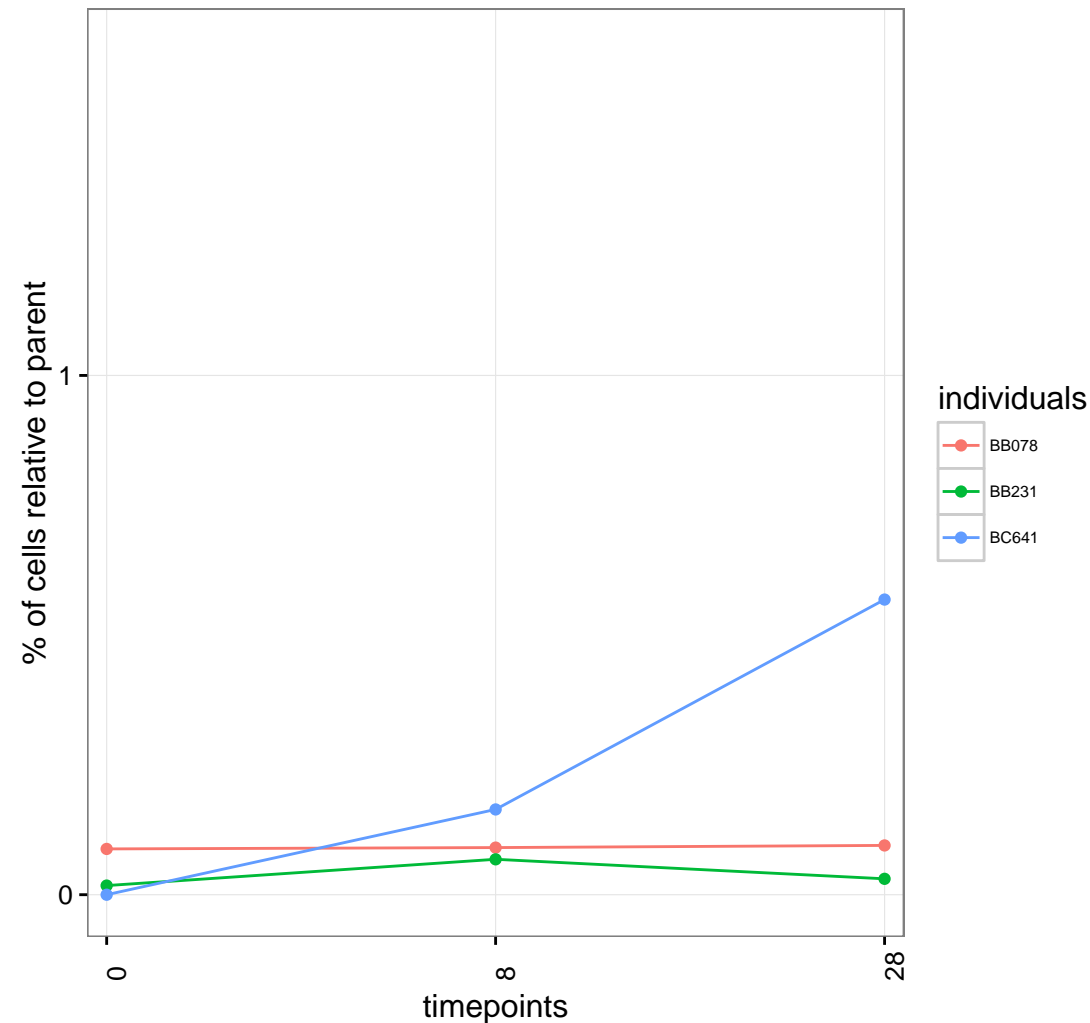
Kinetics Viewer – cluster 67 (188 cells)



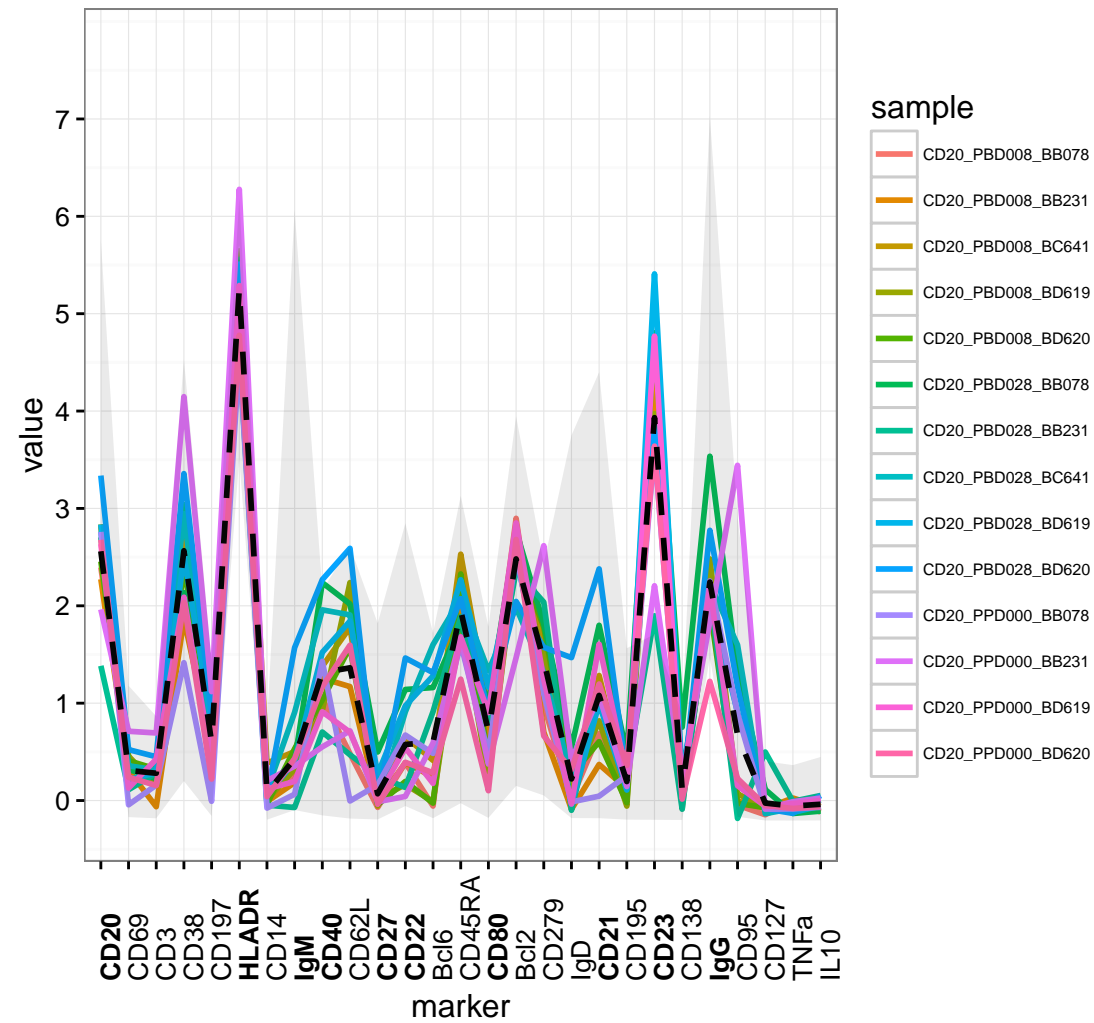
Pheno Viewer – cluster 67 (627 cells)



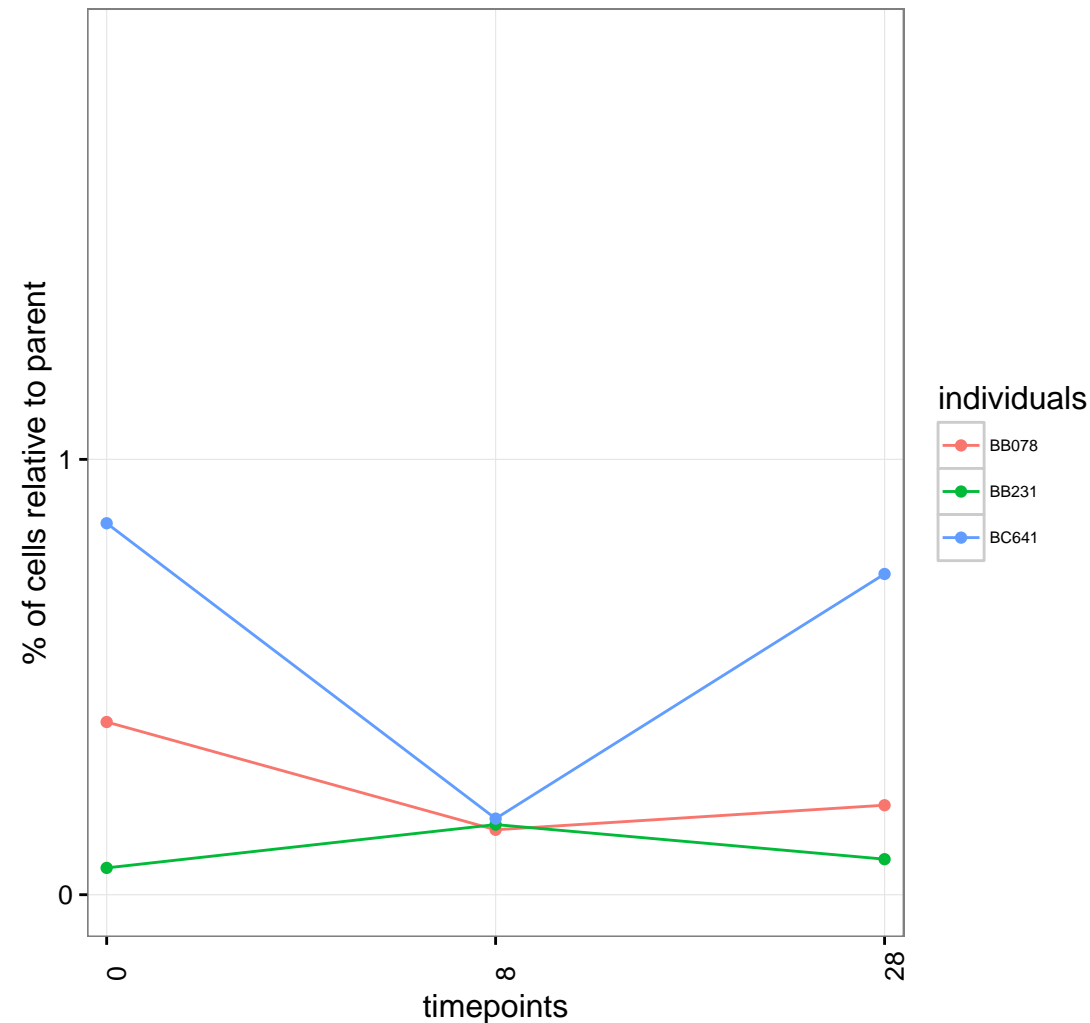
Kinetics Viewer – cluster 68 (100 cells)



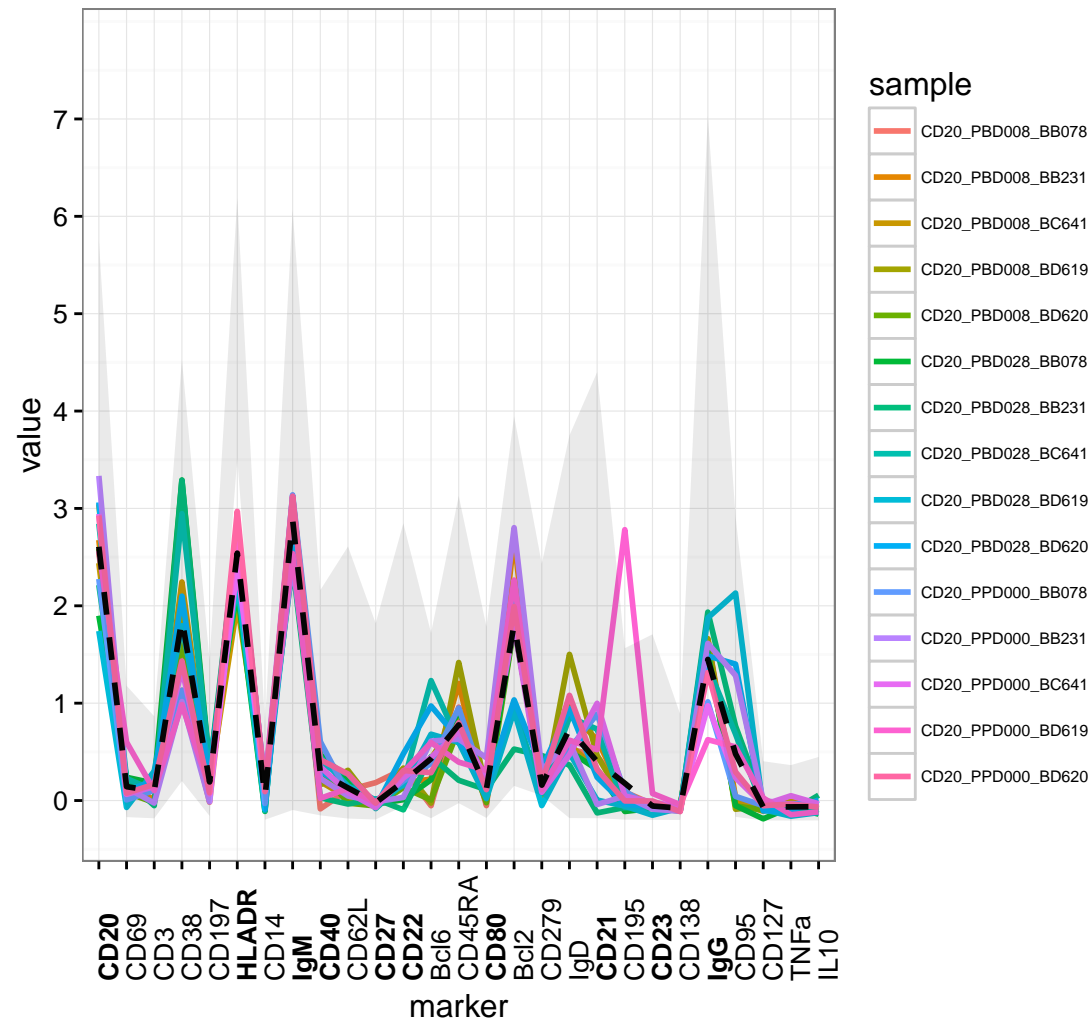
Pheno Viewer – cluster 68 (470 cells)



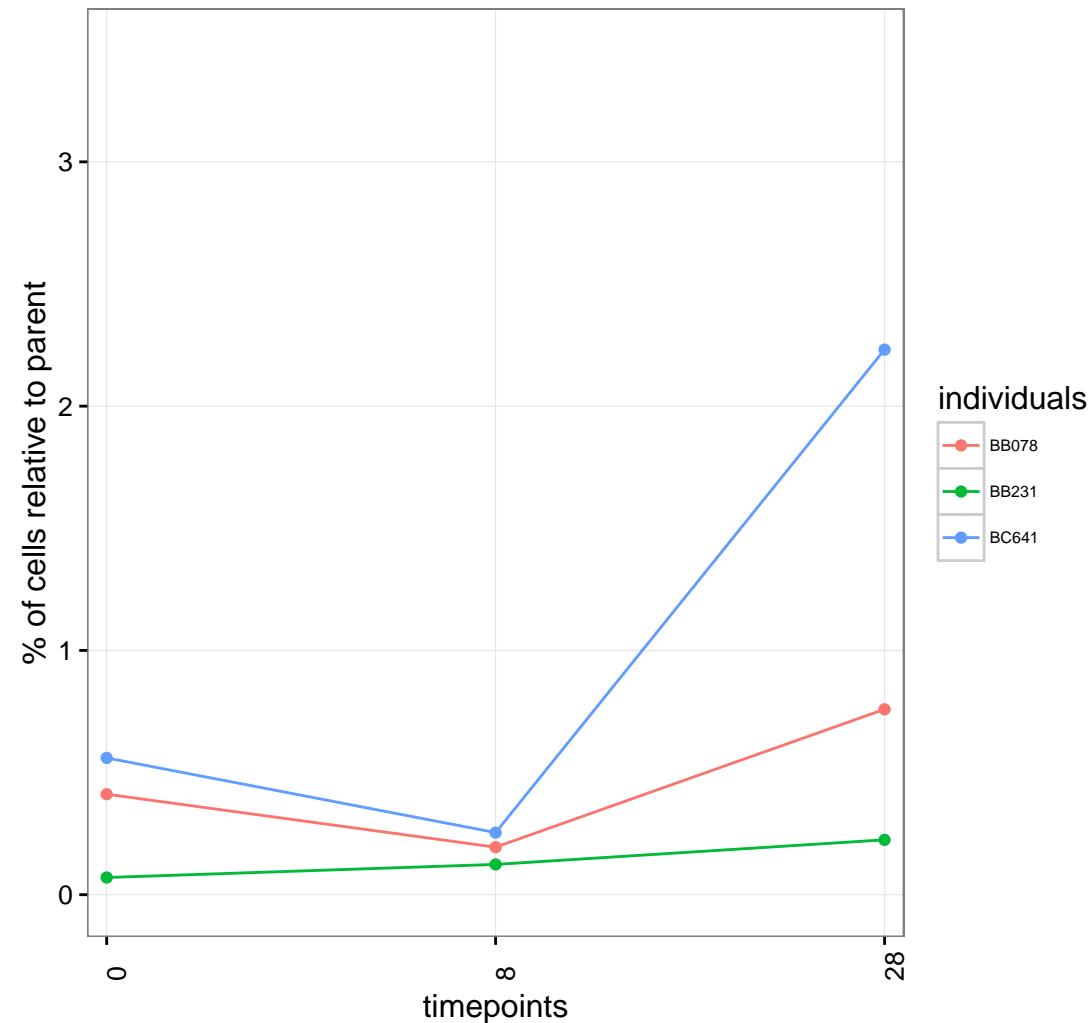
Kinetics Viewer – cluster 69 (204 cells)



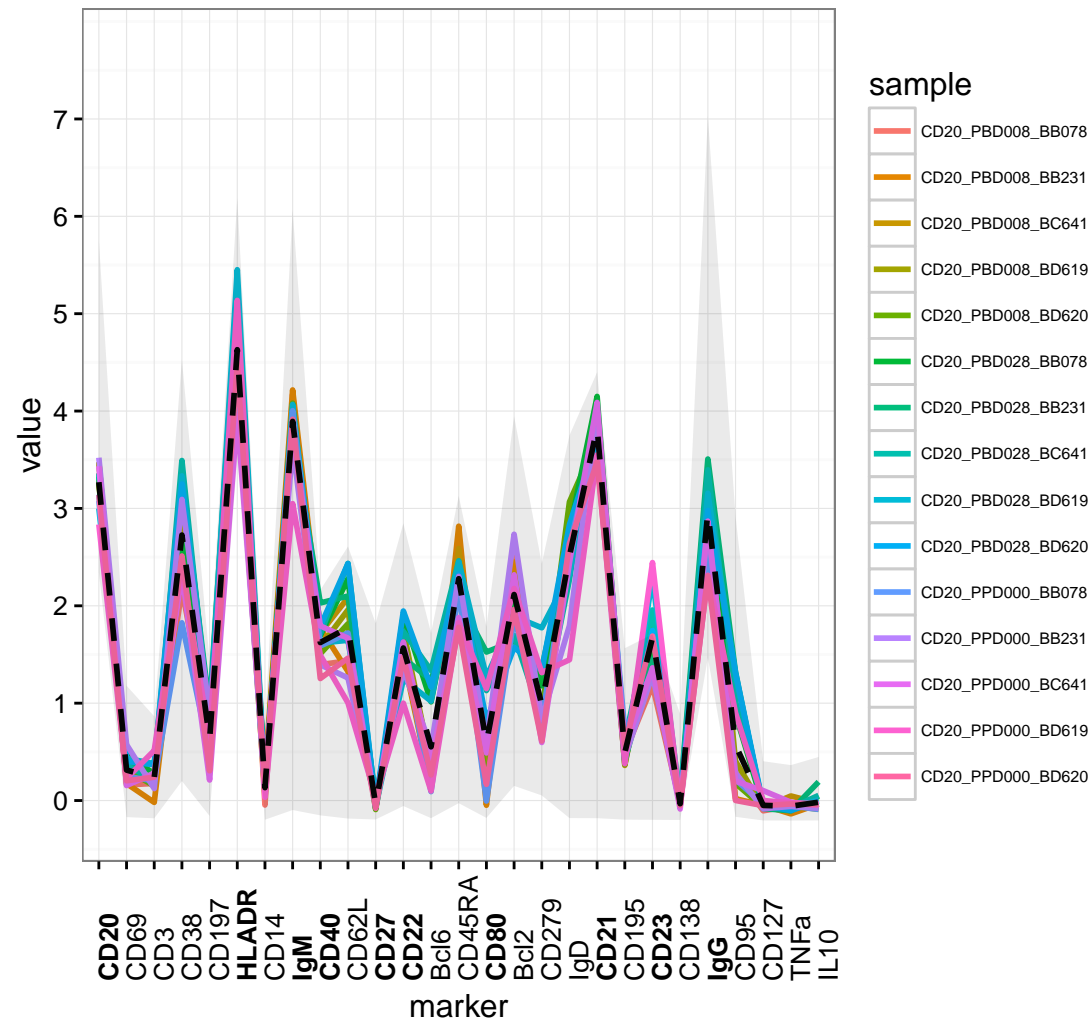
Pheno Viewer – cluster 69 (440 cells)



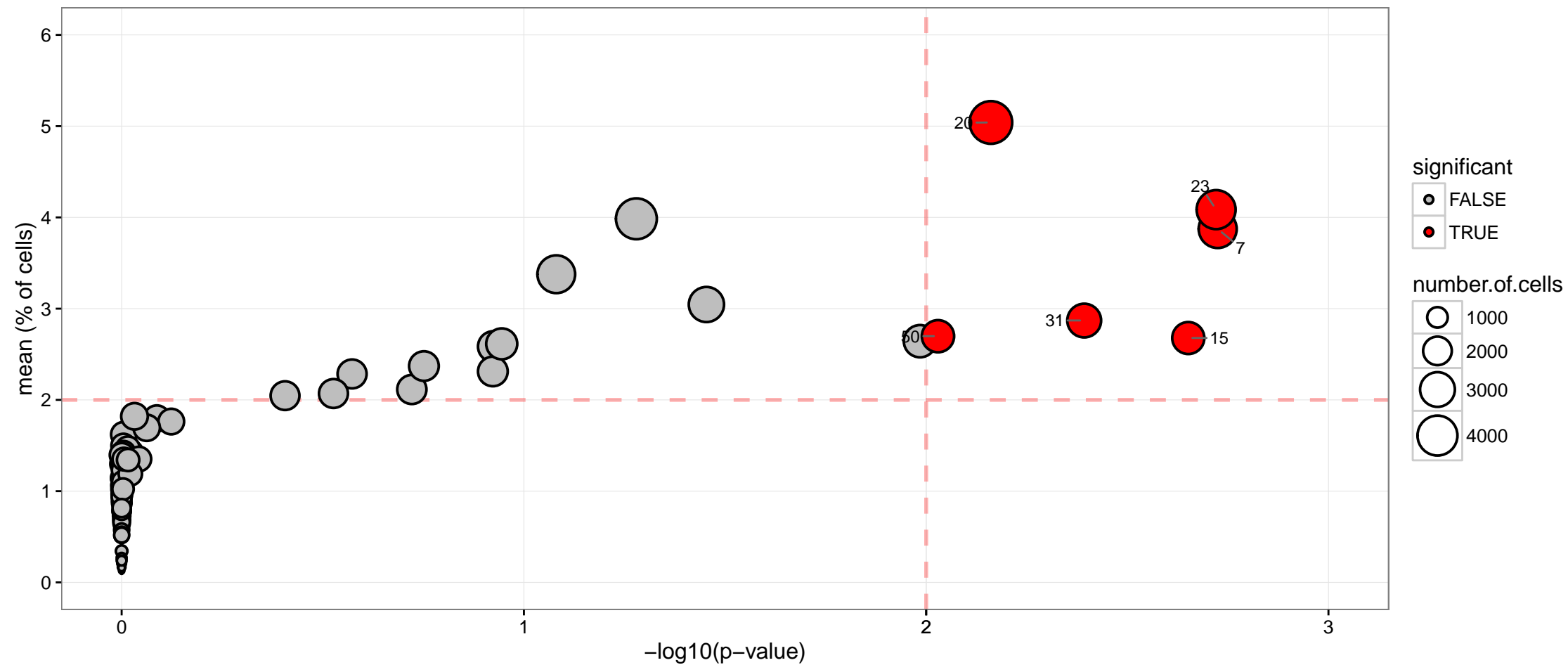
Kinetics Viewer – cluster 70 (331 cells)



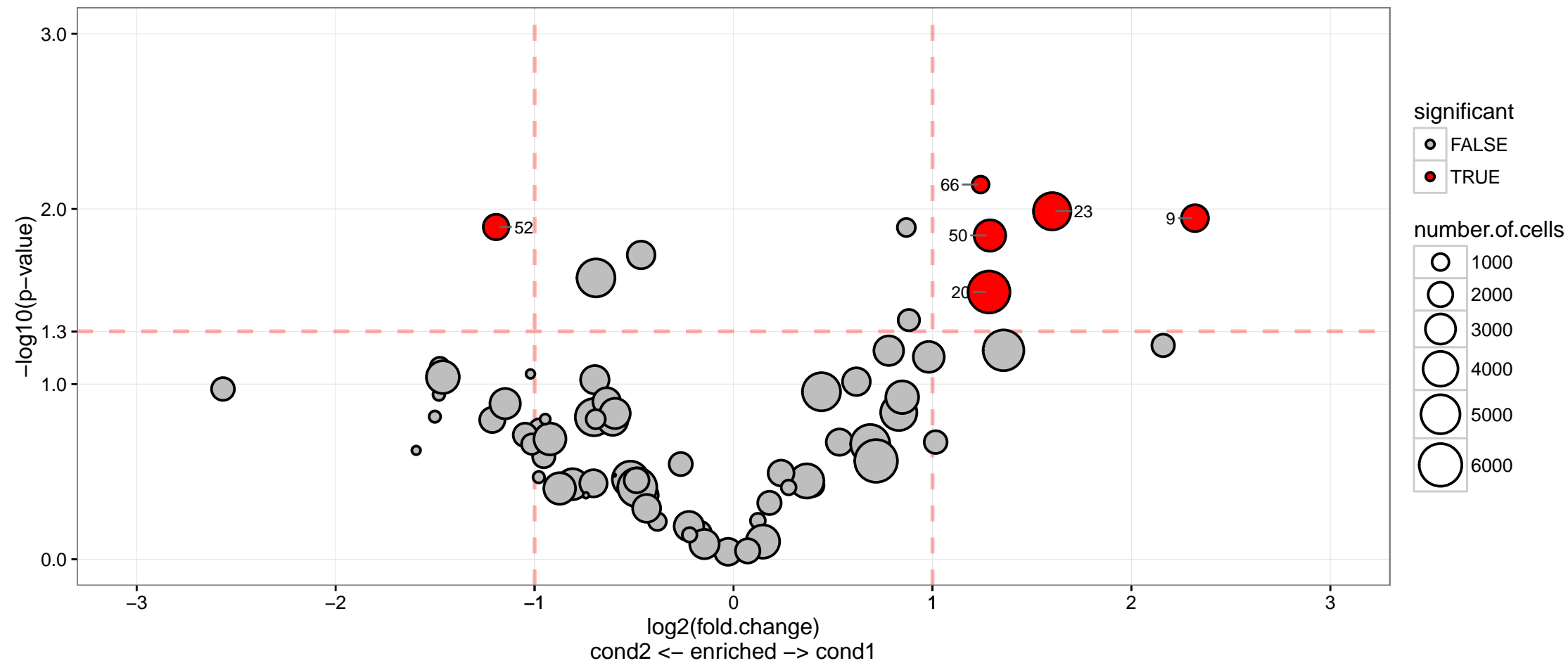
Pheno Viewer – cluster 70 (1 918 cells)



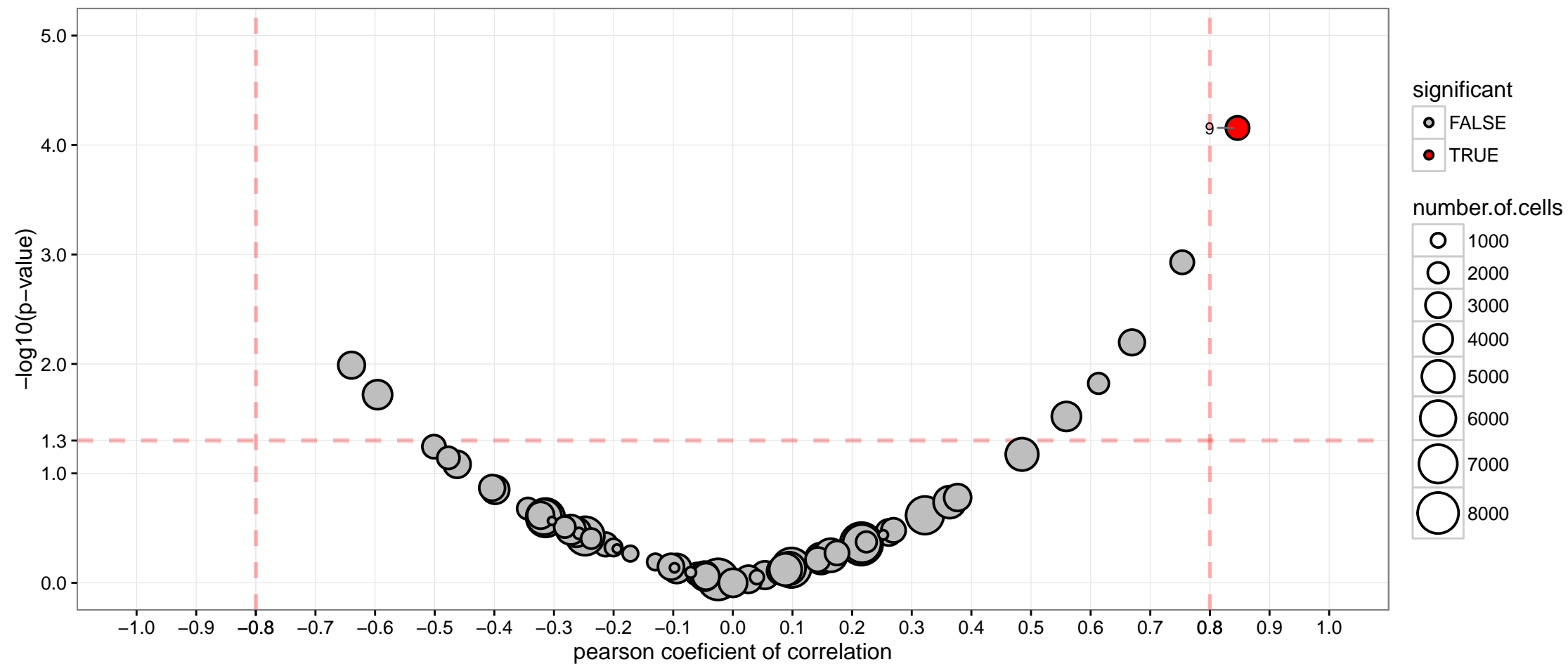
Abundant Clusters

Using relative abundances

Differentially Abundant Clusters

Using relative abundances

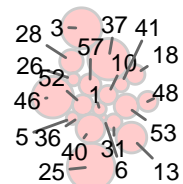
Correlated Clusters

Using relative abundances

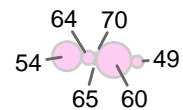
ClassificationViewer

based on phenotype using hierarchical_h method

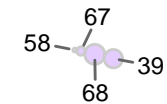
Class 1



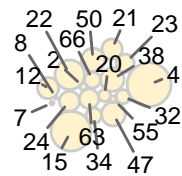
Class 8



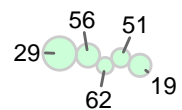
Class 7



Class 2



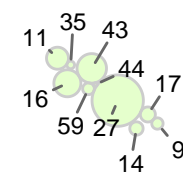
Class 4



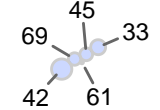
Class 5



Class 3



Class 6



number.of.cells

