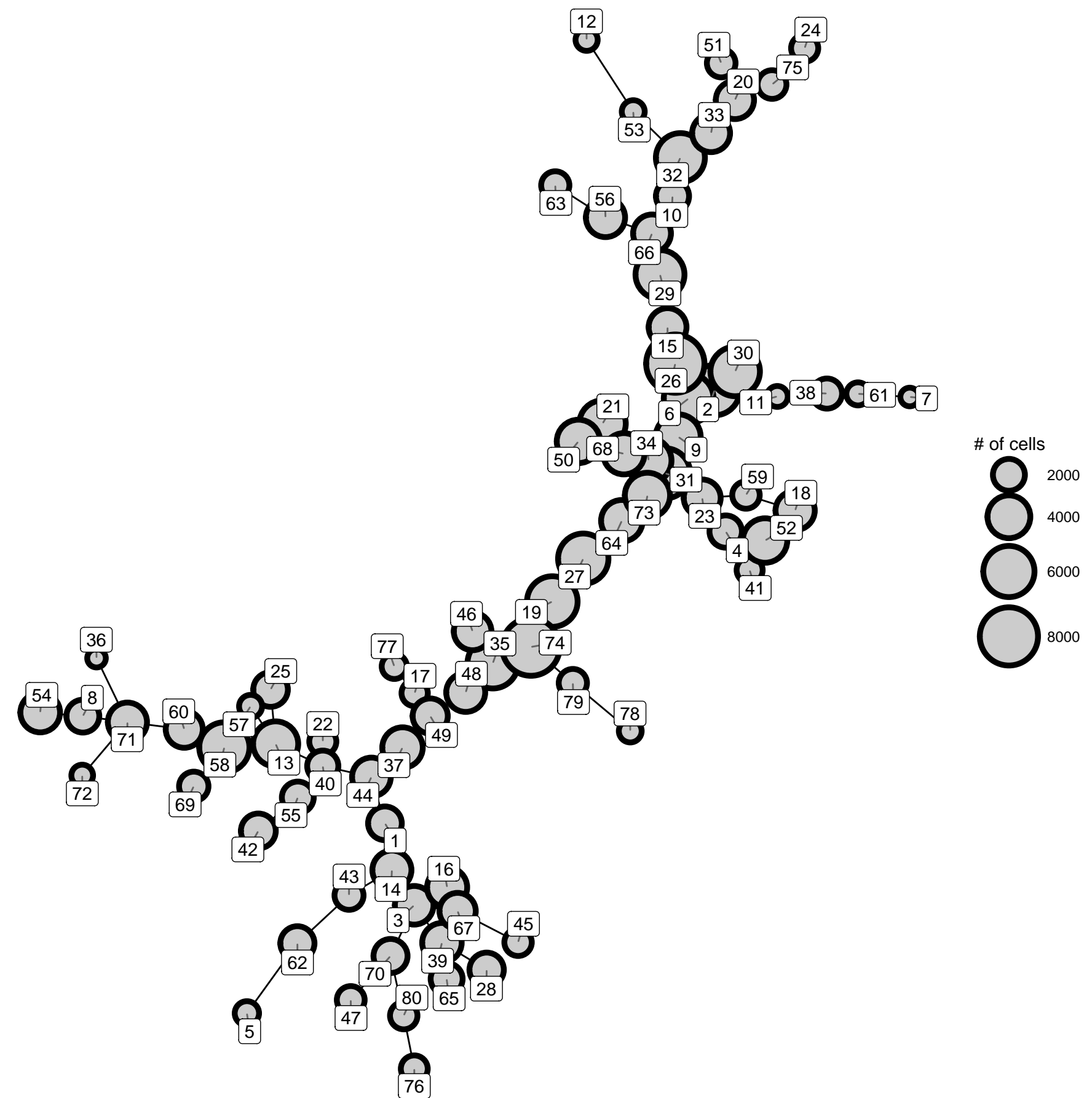
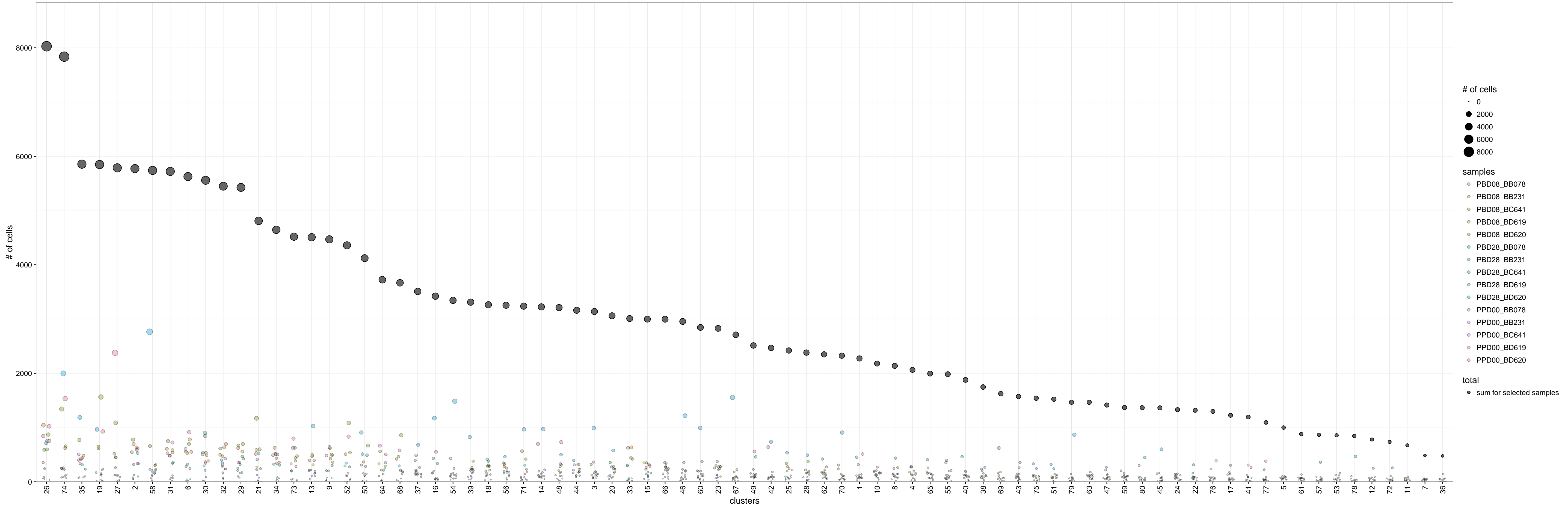


Tree Viewer (231 458 cells)

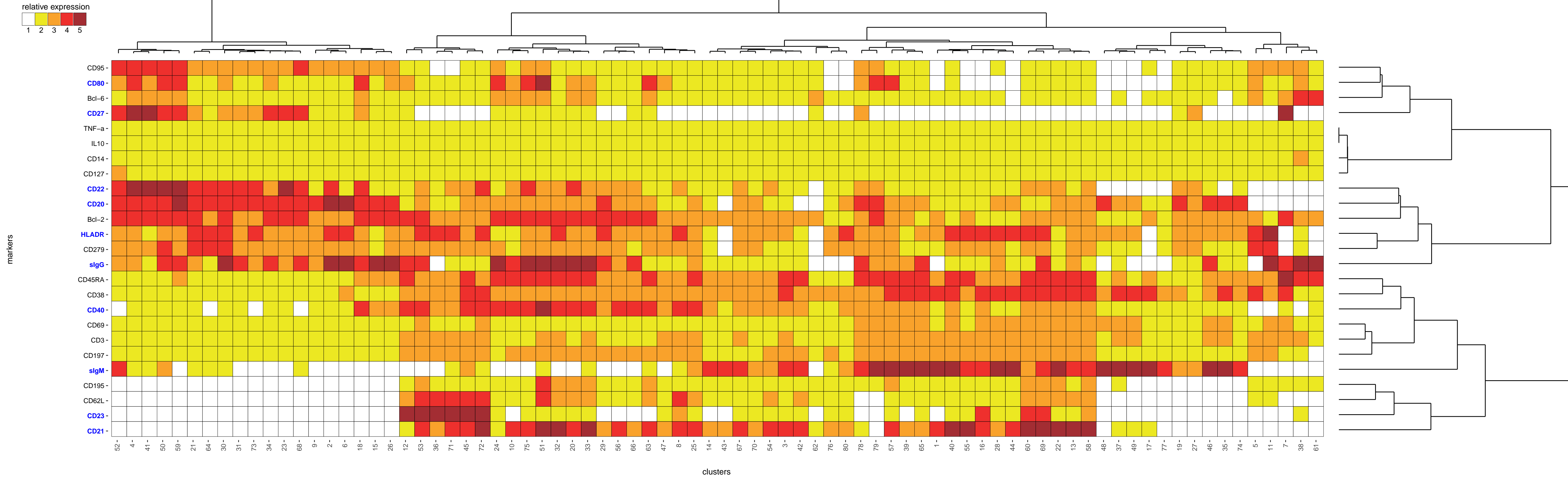


Count Viewer (231 458 cells)

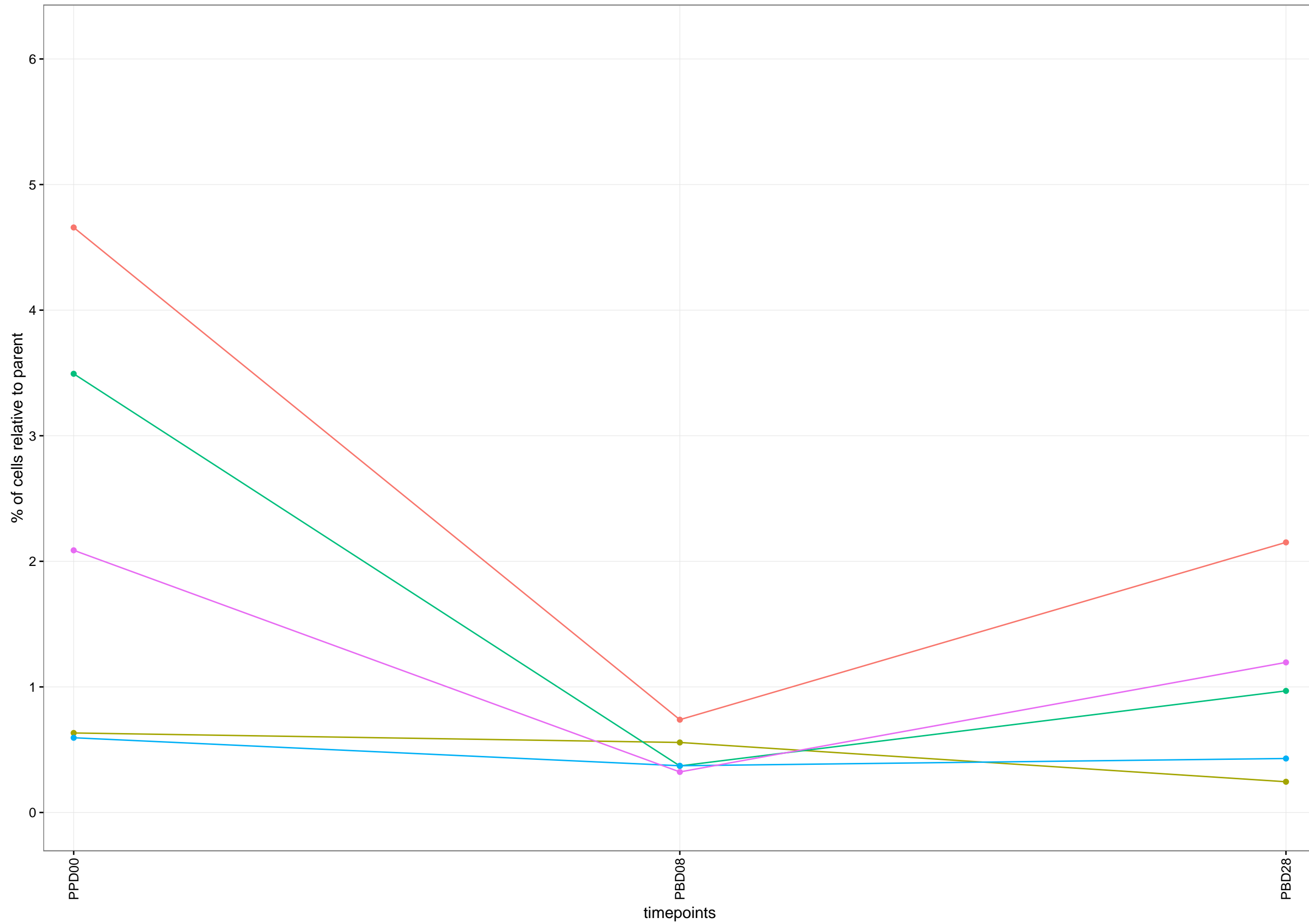


## Heatmap Viewer

categories are computed between 5% and 95% percentiles of expression.

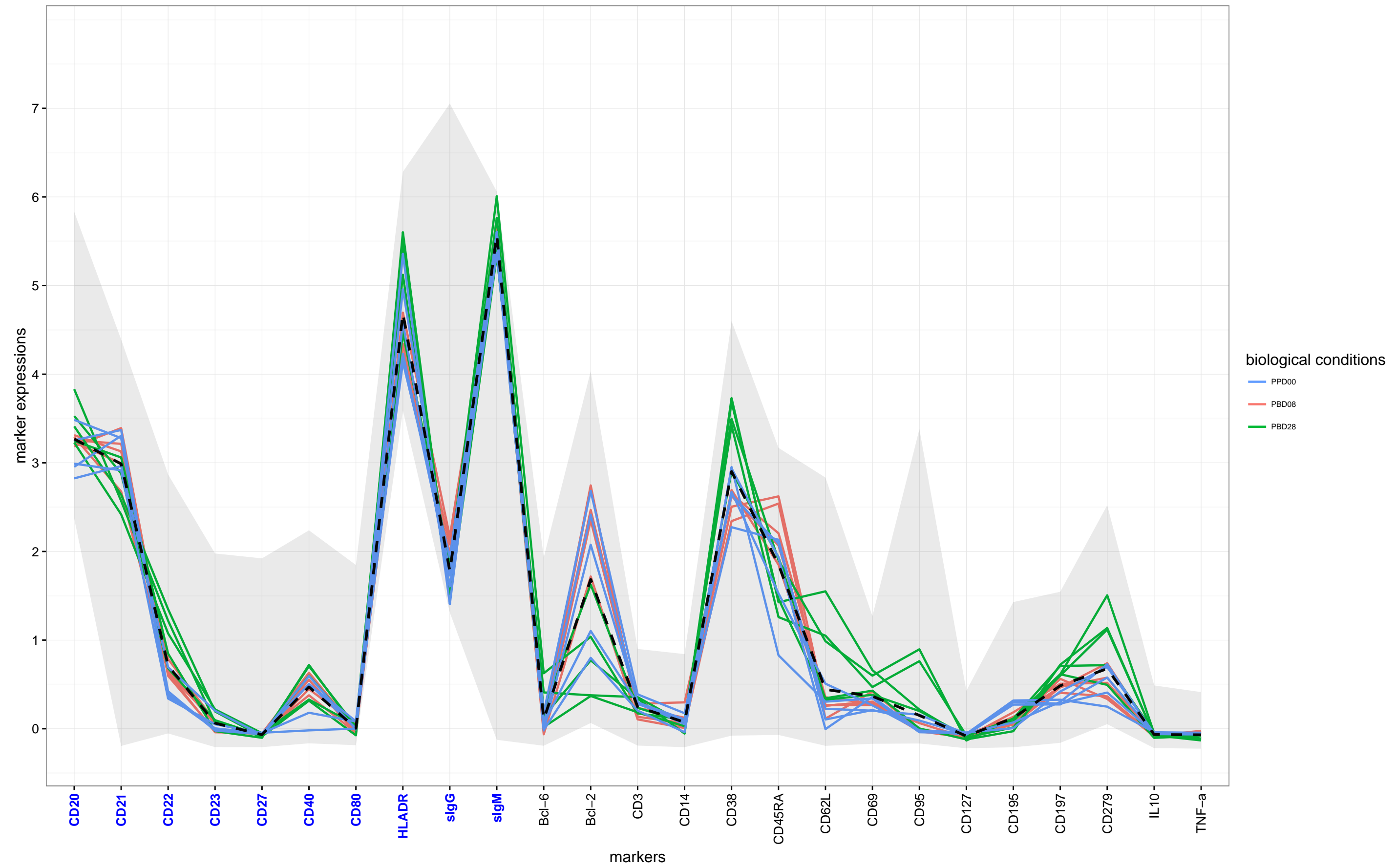


Kinetics Viewer – cluster: 1 (2 274 cells)

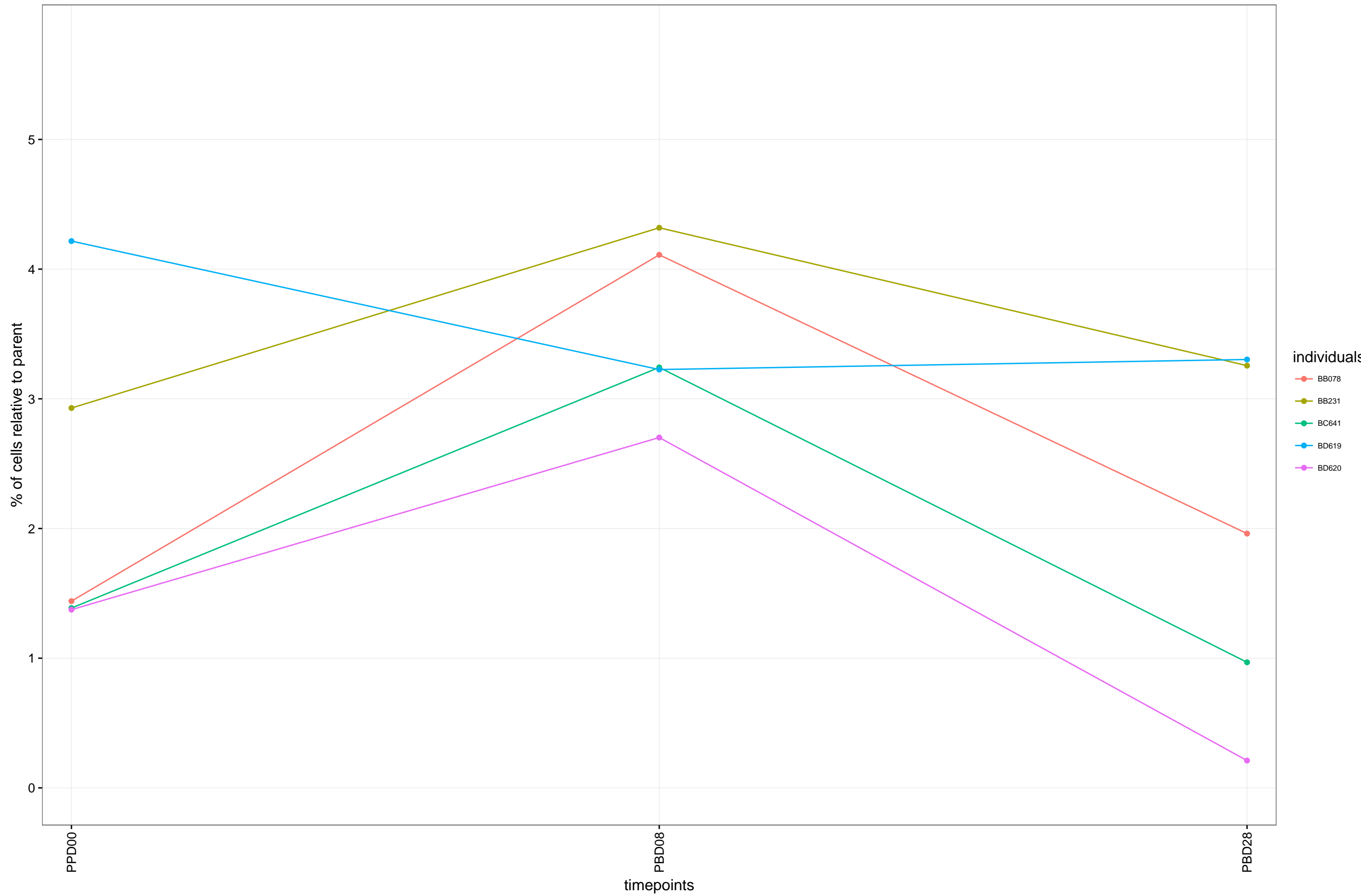


Pheno Viewer – cluster: 1 (2 274 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

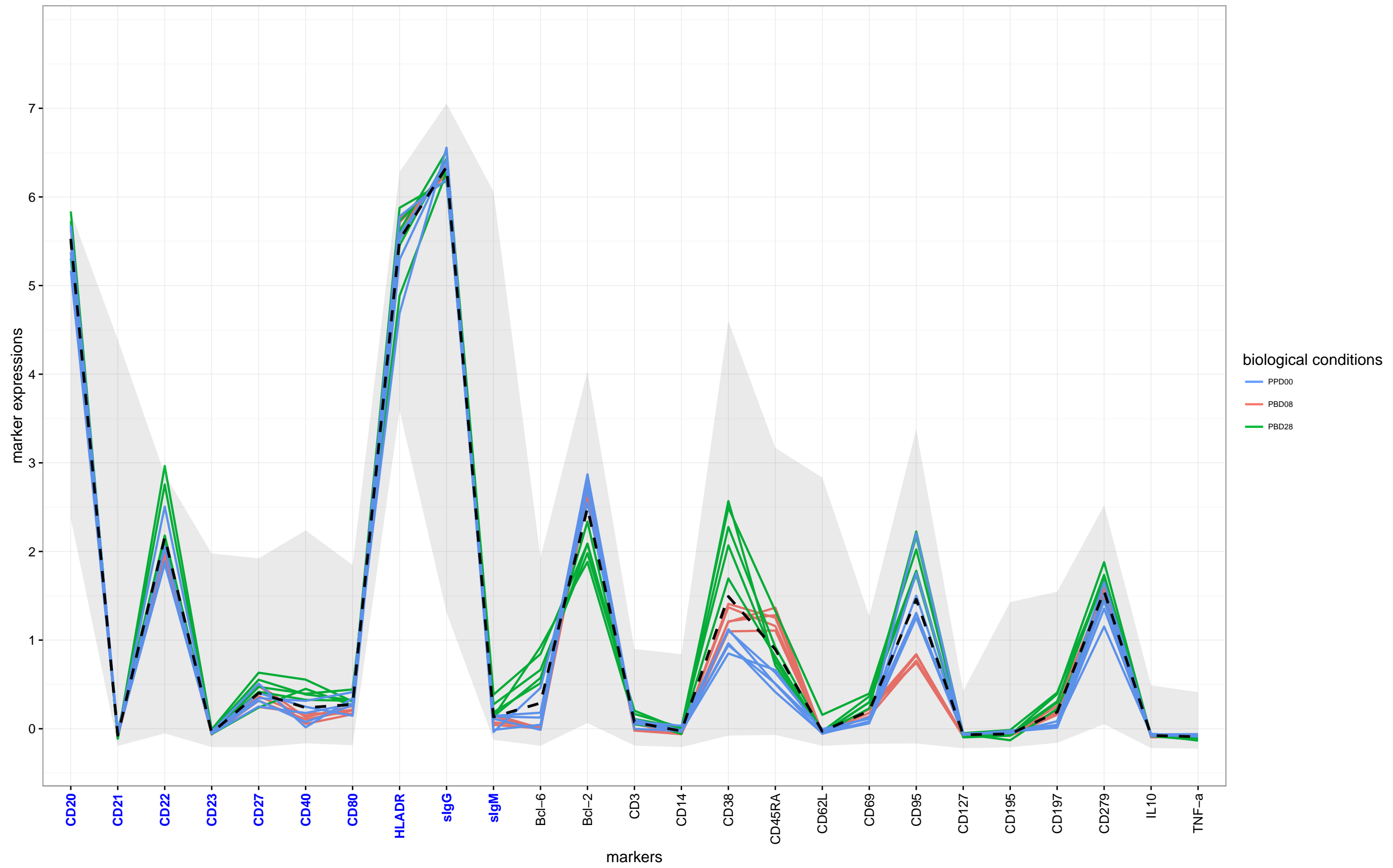


Kinetics Viewer – cluster: 2 (5 774 cells)

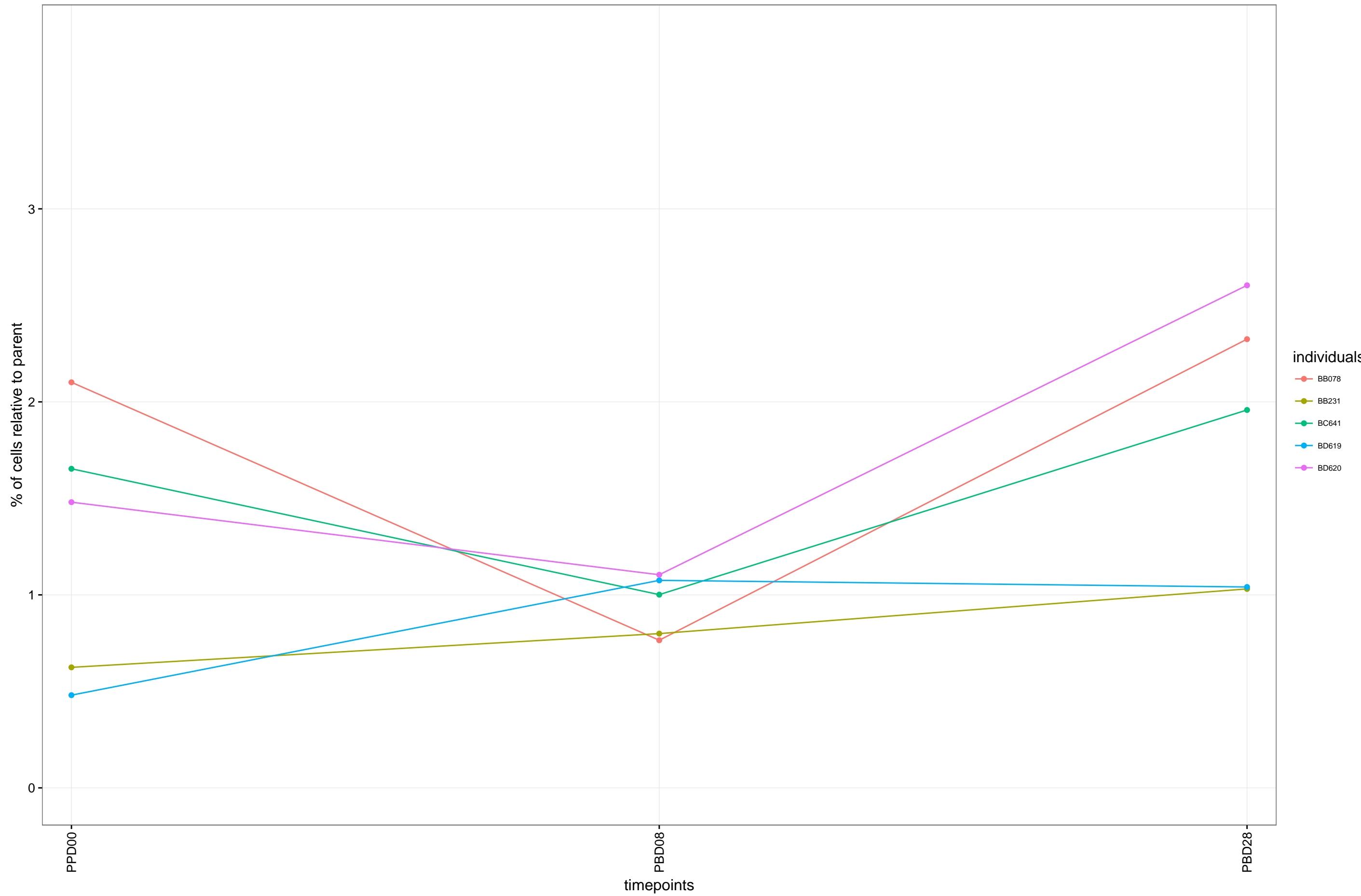


Pheno Viewer – cluster: 2 (5 774 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

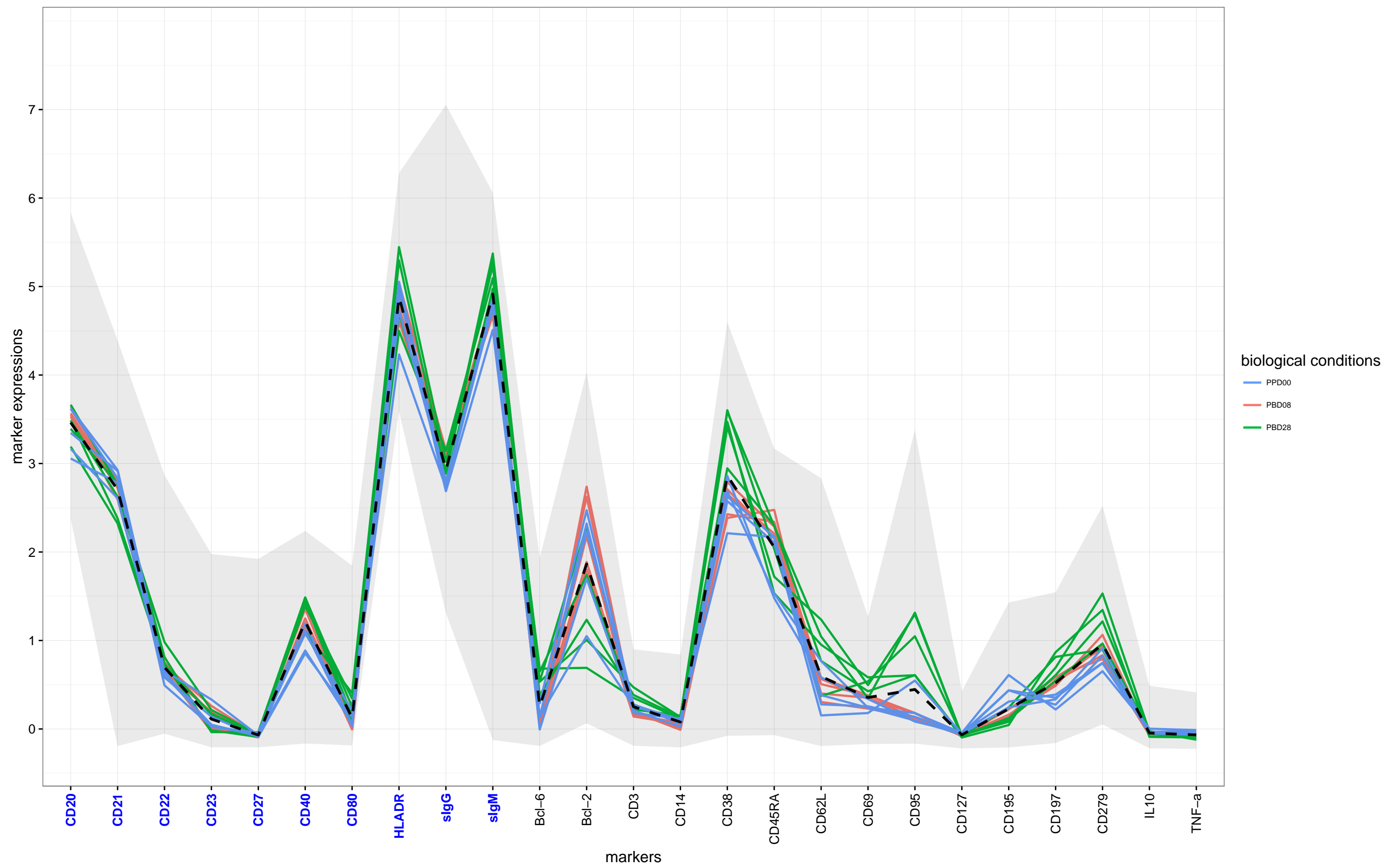


Kinetics Viewer – cluster: 3 (3 139 cells)

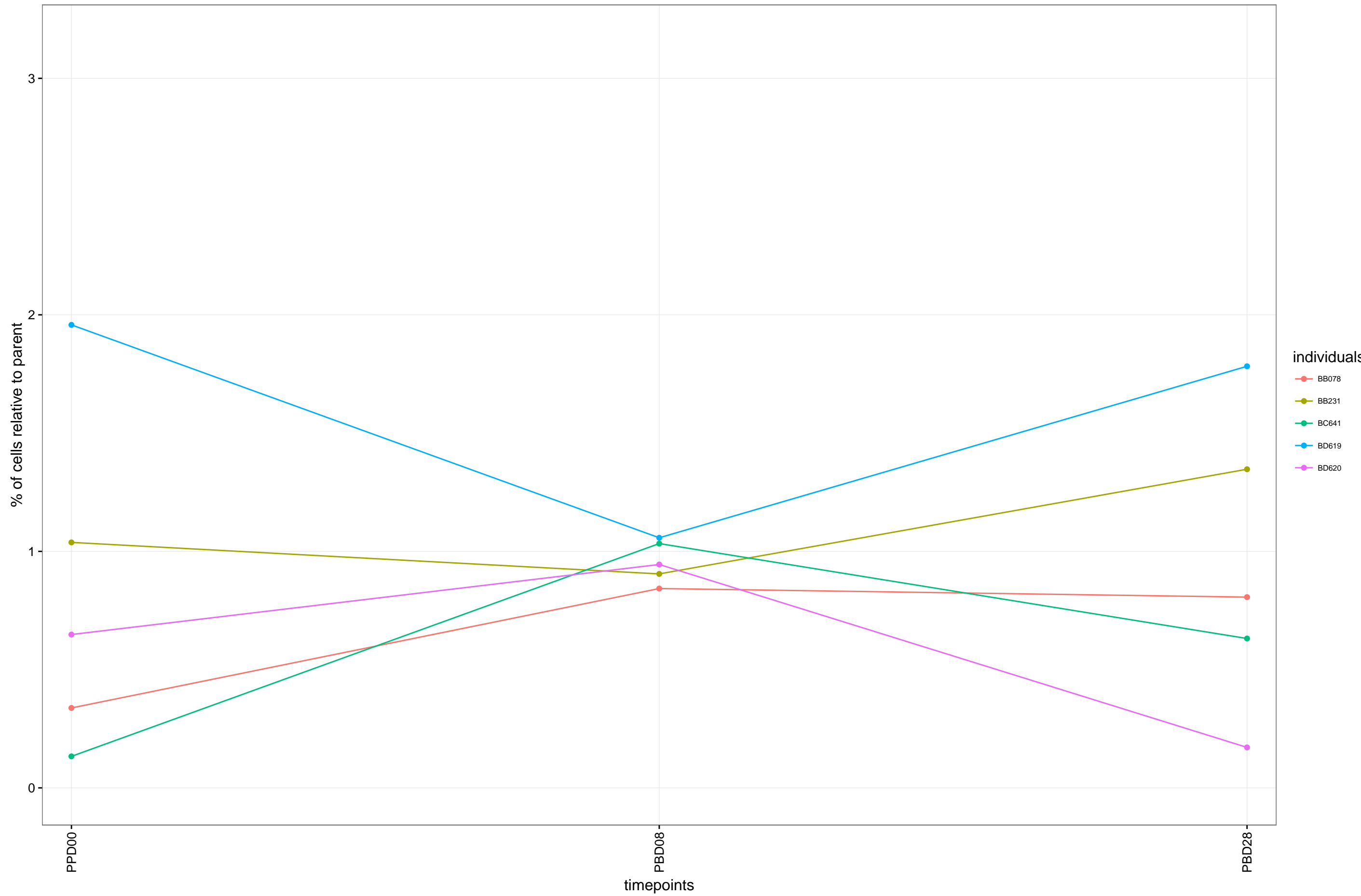


Pheno Viewer – cluster: 3 (3 139 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

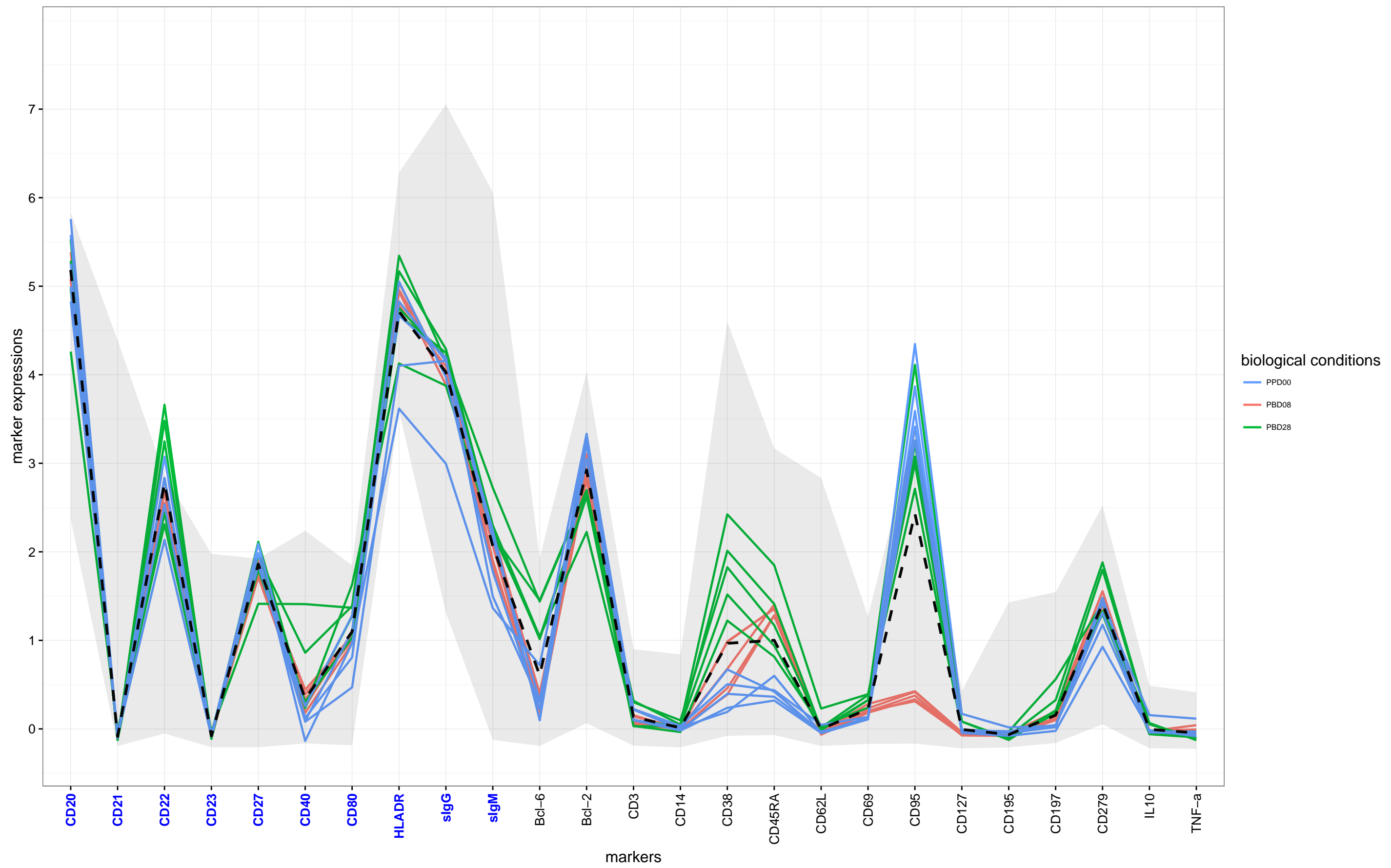


Kinetics Viewer – cluster: 4 (2 064 cells)



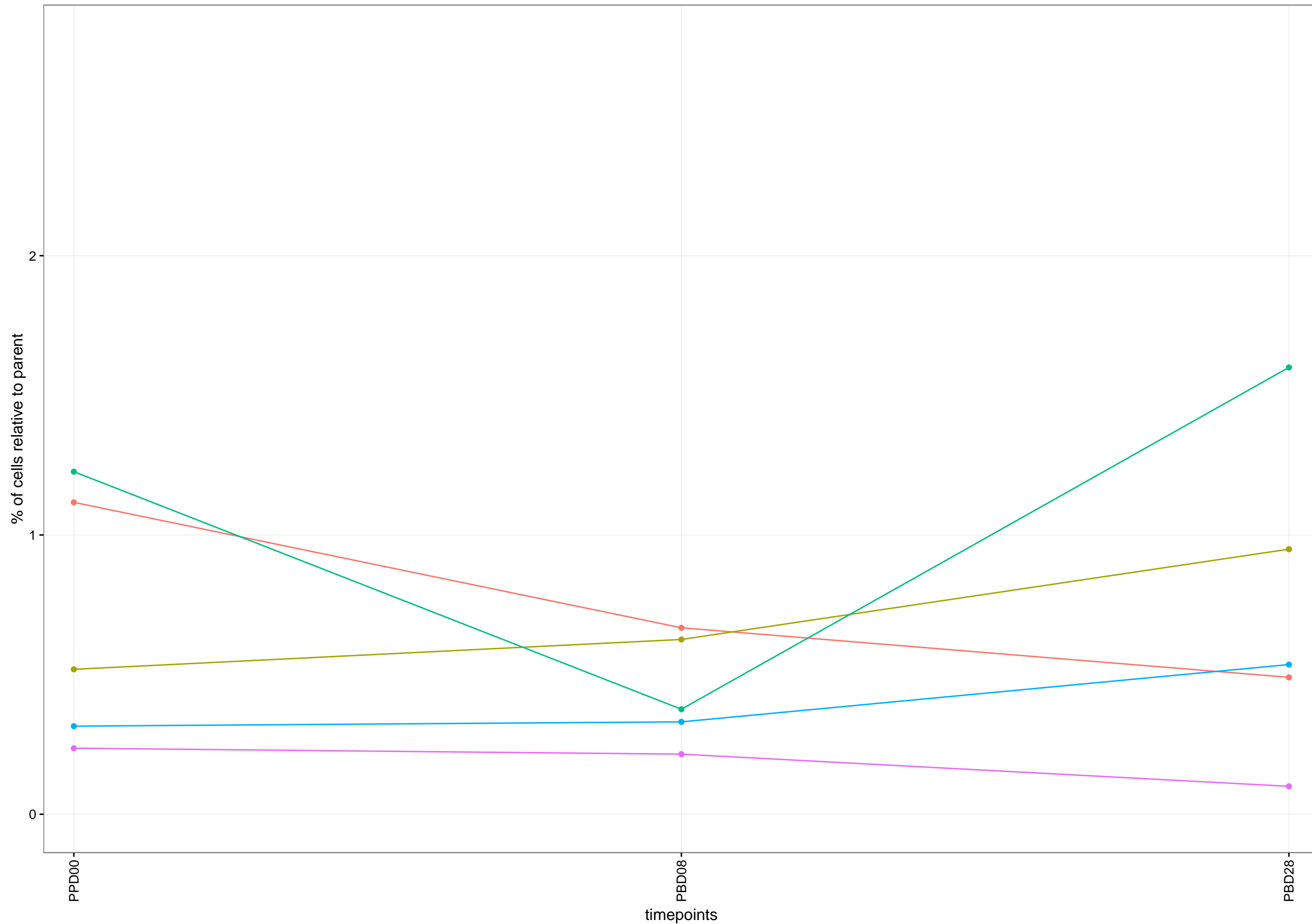
Pheno Viewer – cluster: 4 (2 064 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



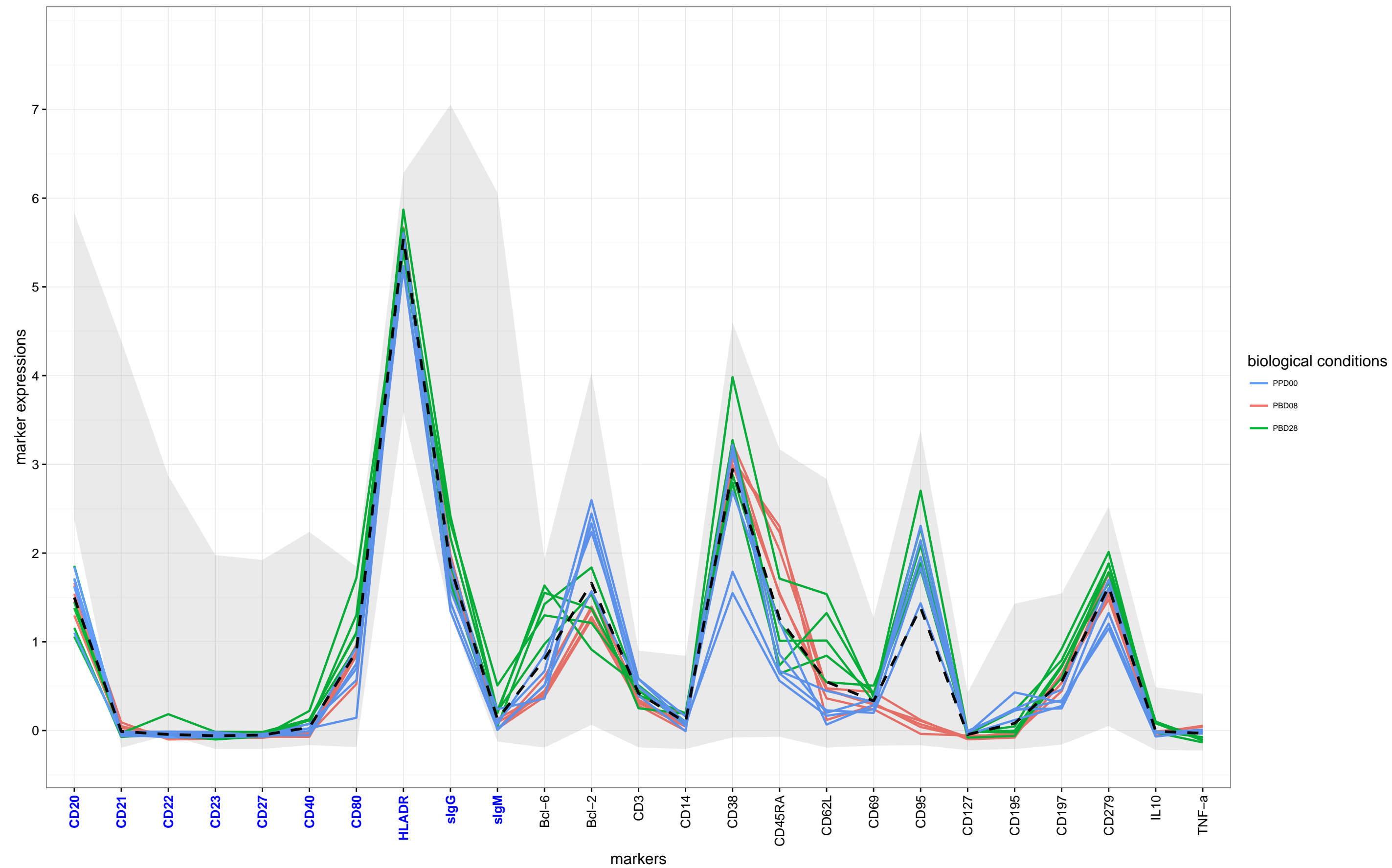


Kinetics Viewer – cluster: 5 (1 000 cells)



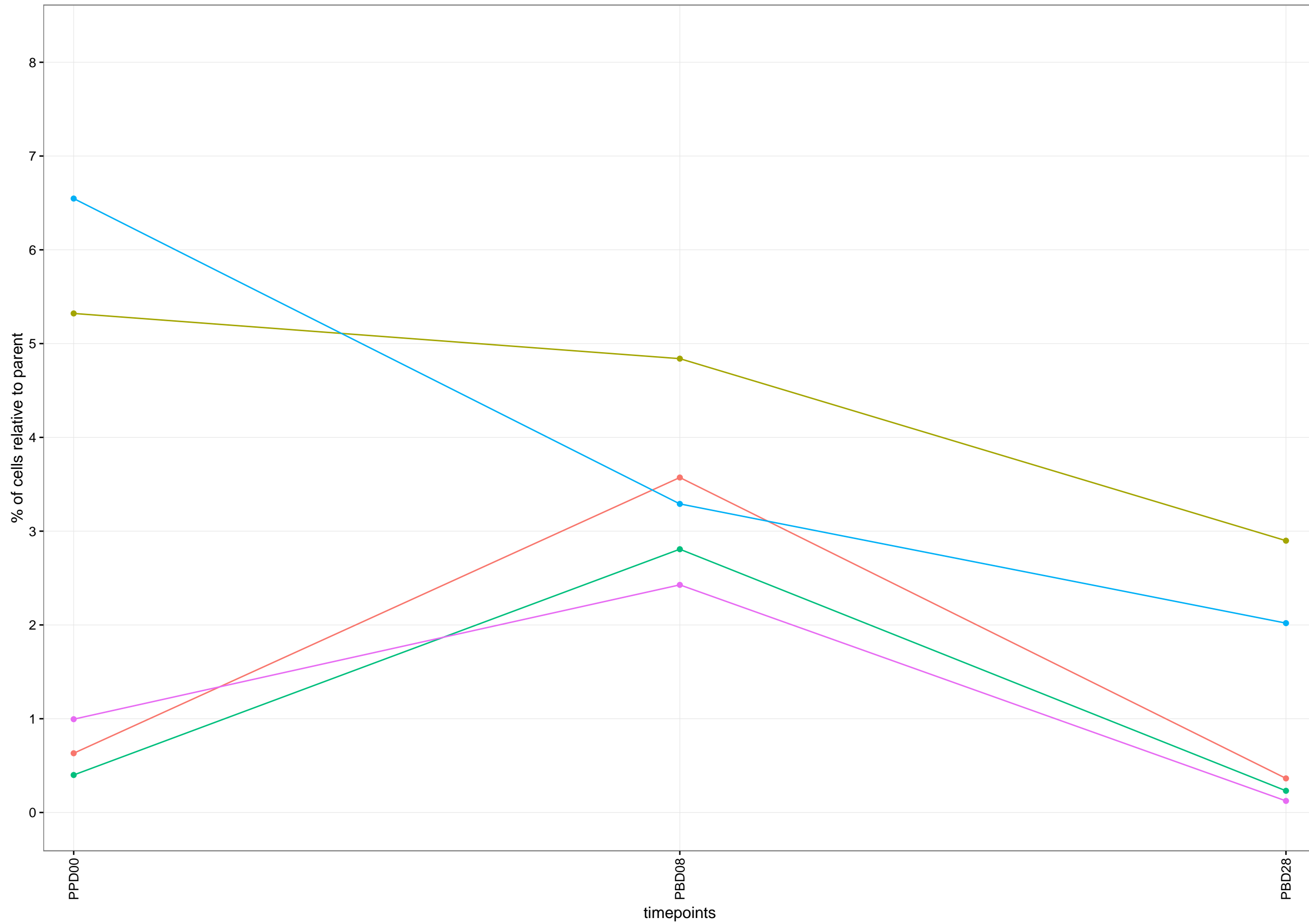
Pheno Viewer – cluster: 5 (1 000 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



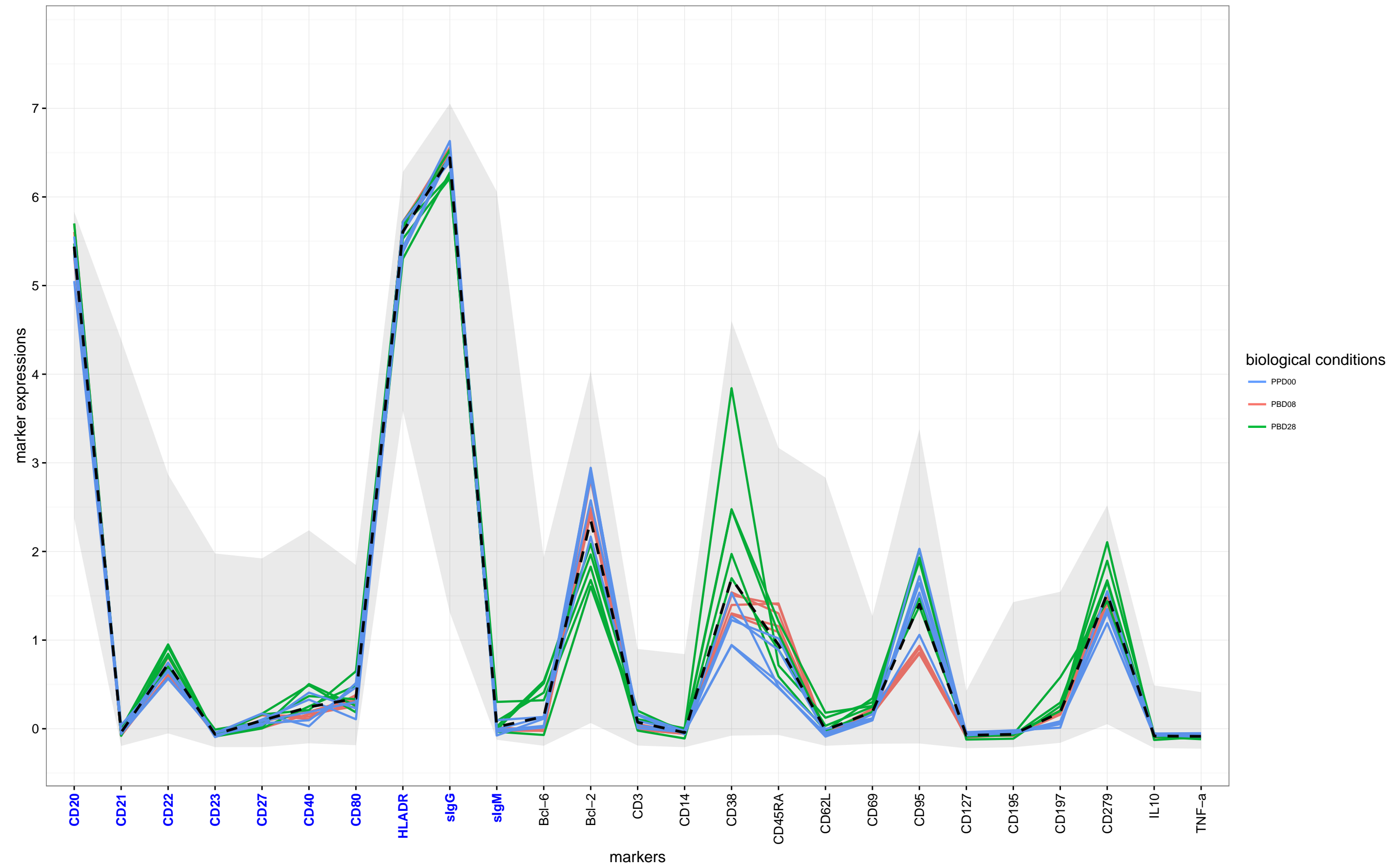


Kinetics Viewer – cluster: 6 (5 627 cells)

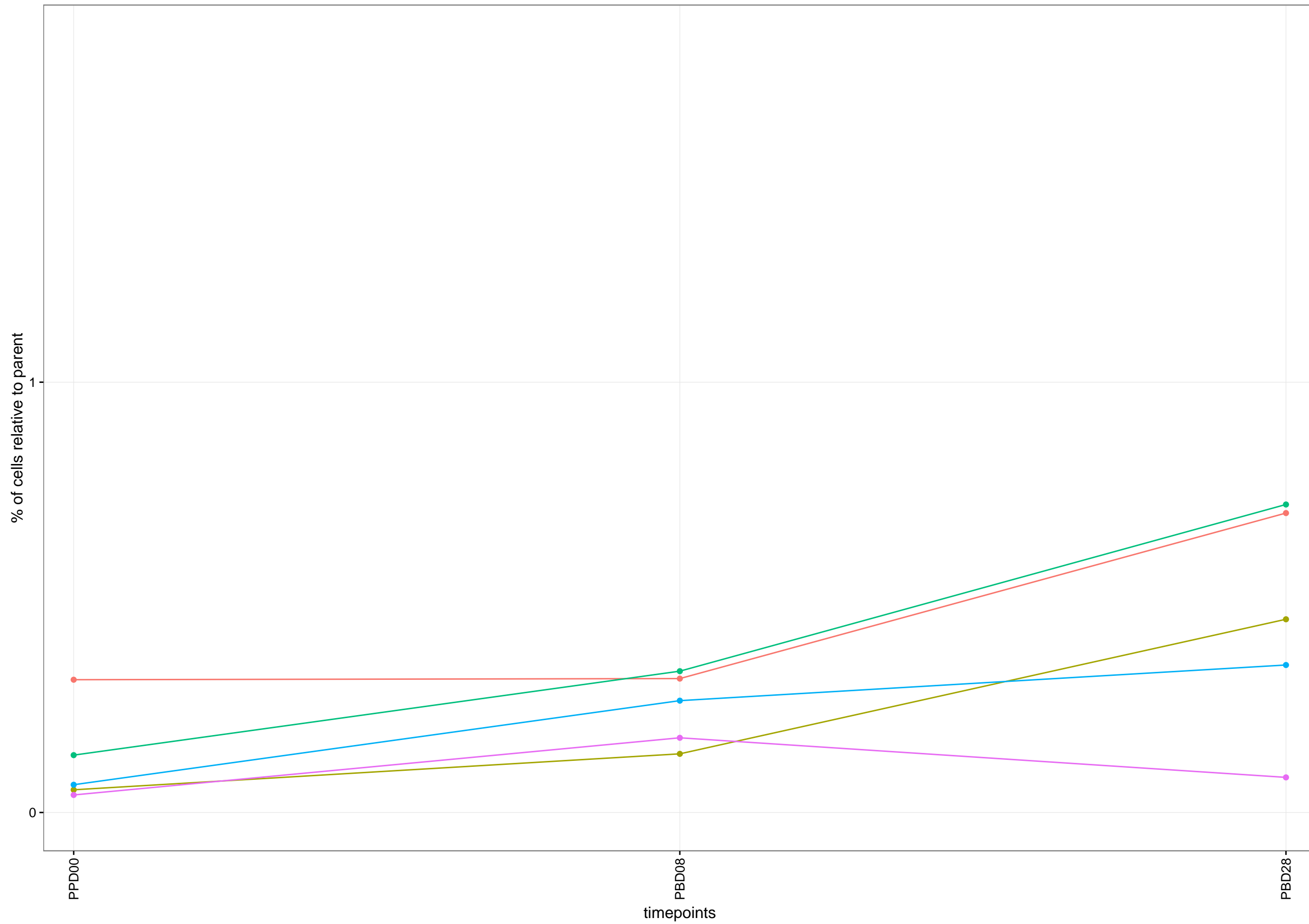


Pheno Viewer – cluster: 6 (5 627 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

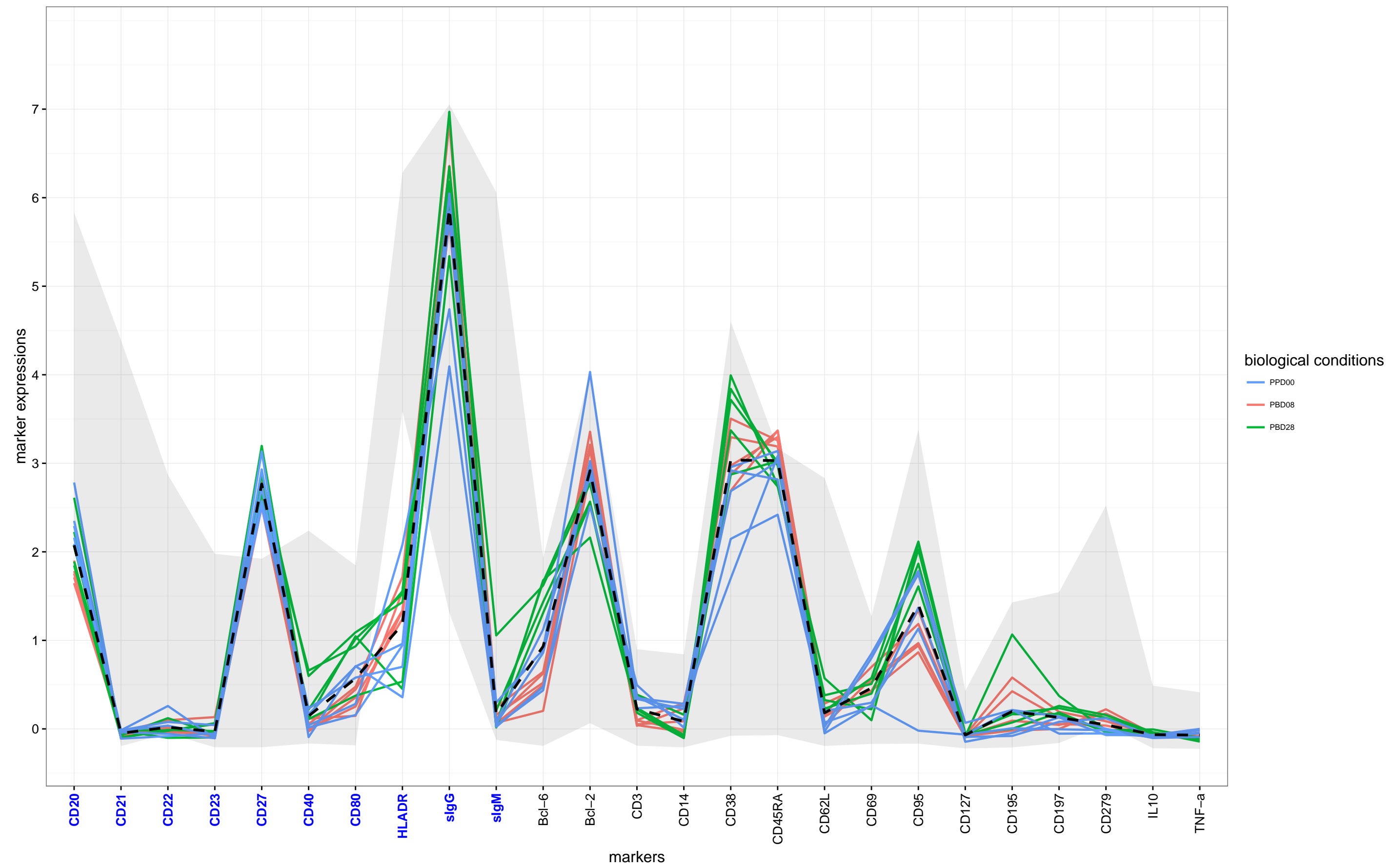


Kinetics Viewer – cluster: 7 (485 cells)

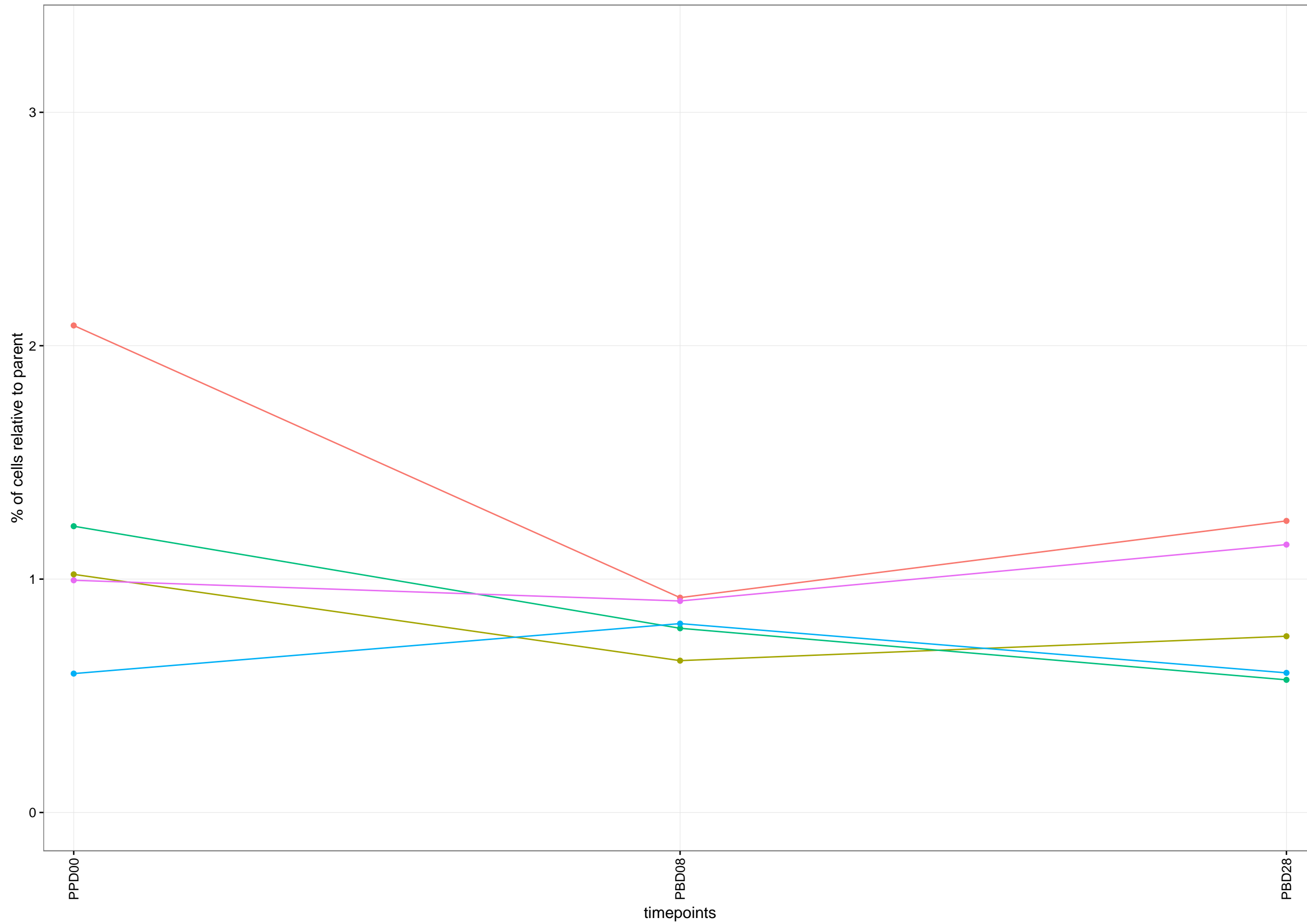


Pheno Viewer – cluster: 7 (485 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

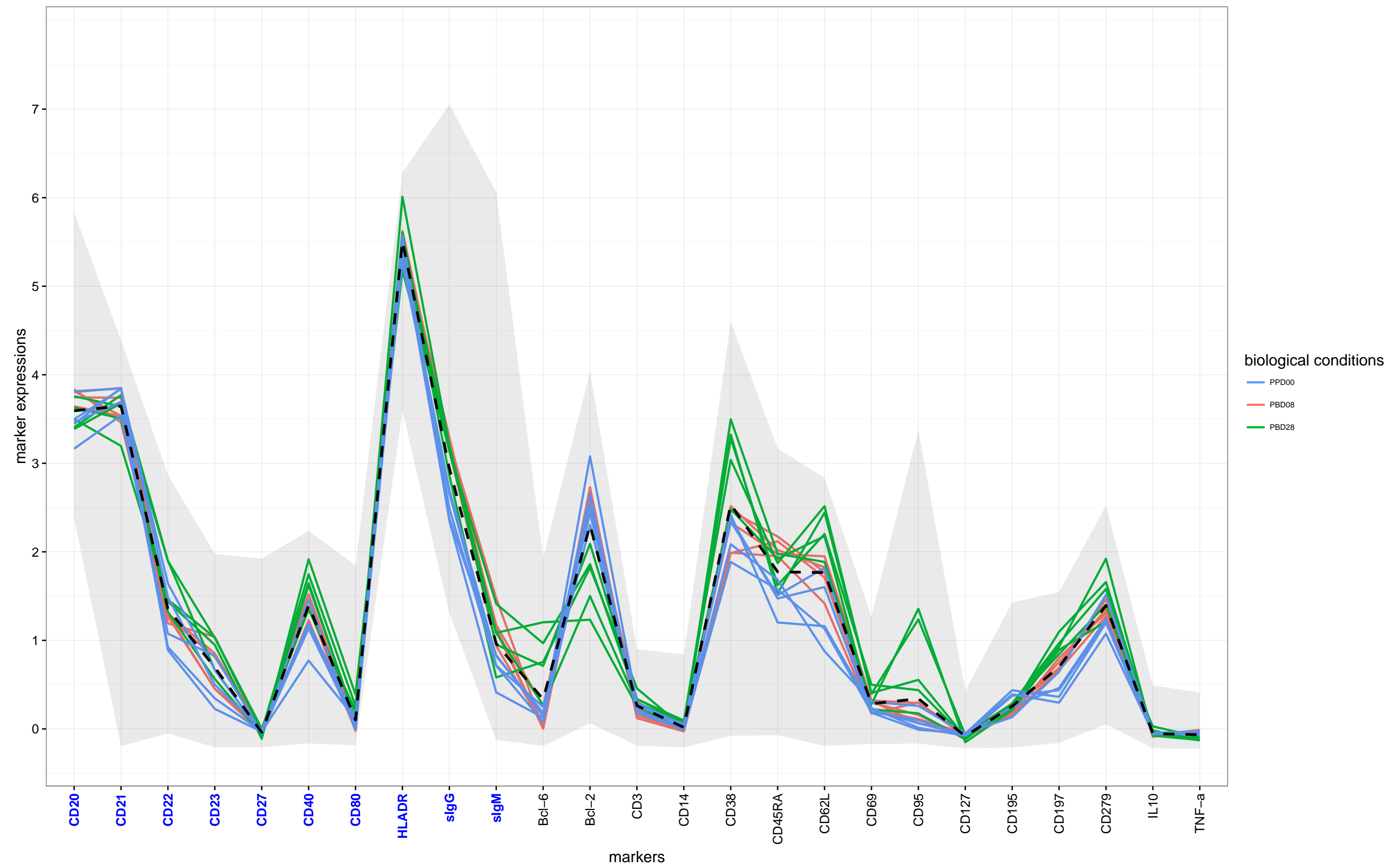


Kinetics Viewer – cluster: 8 (2 137 cells)

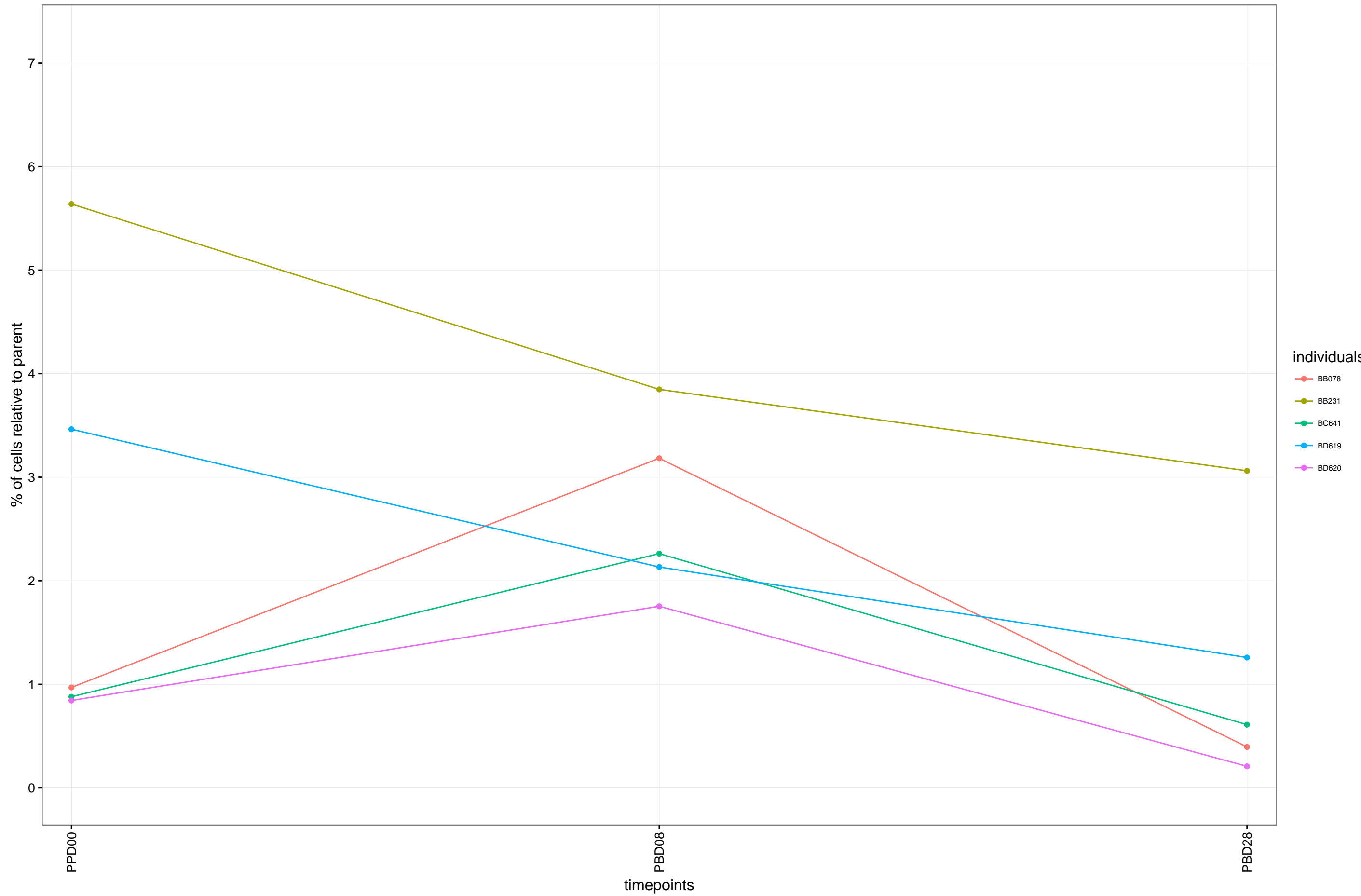


Pheno Viewer – cluster: 8 (2 137 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

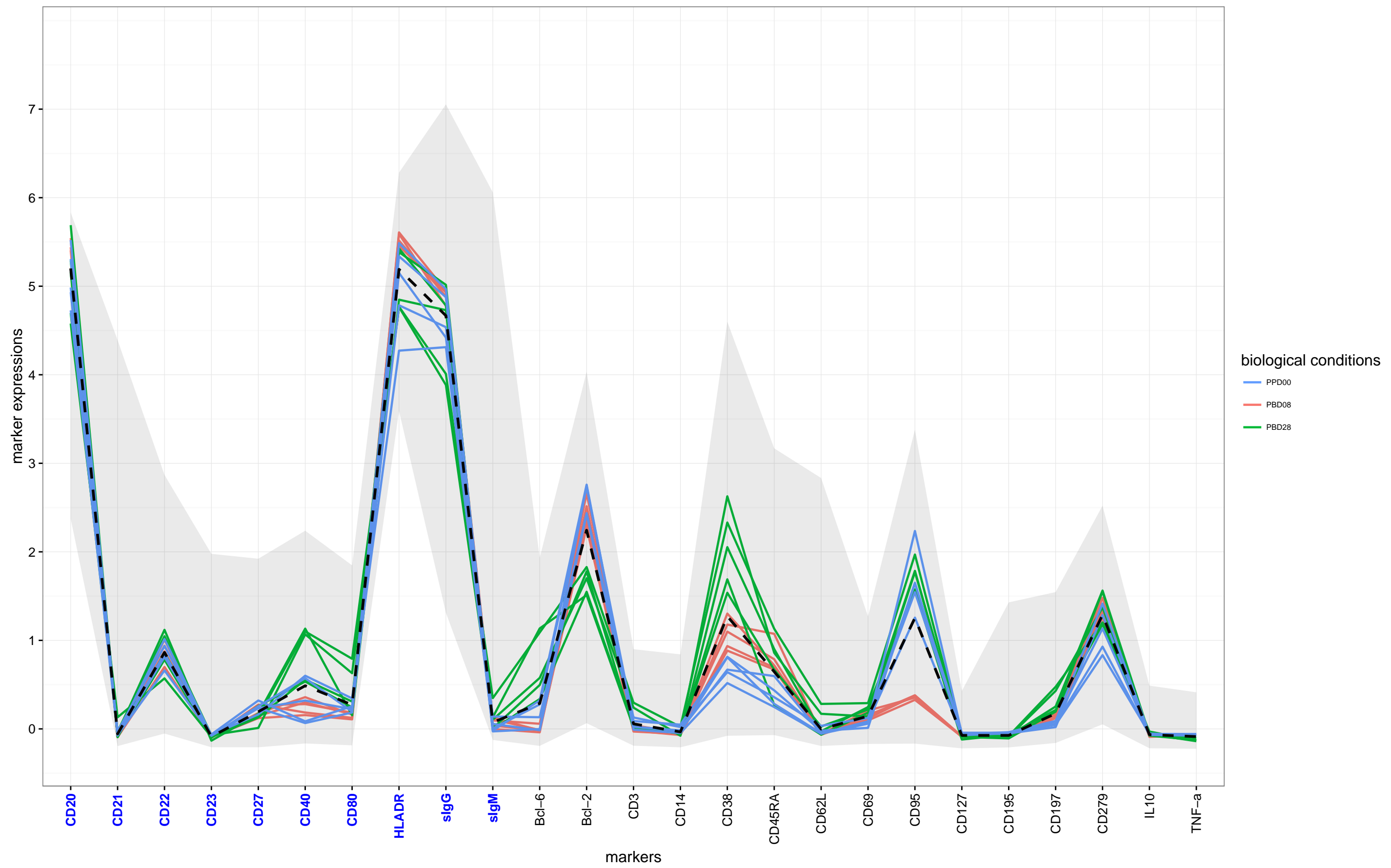


Kinetics Viewer – cluster: 9 (4 470 cells)

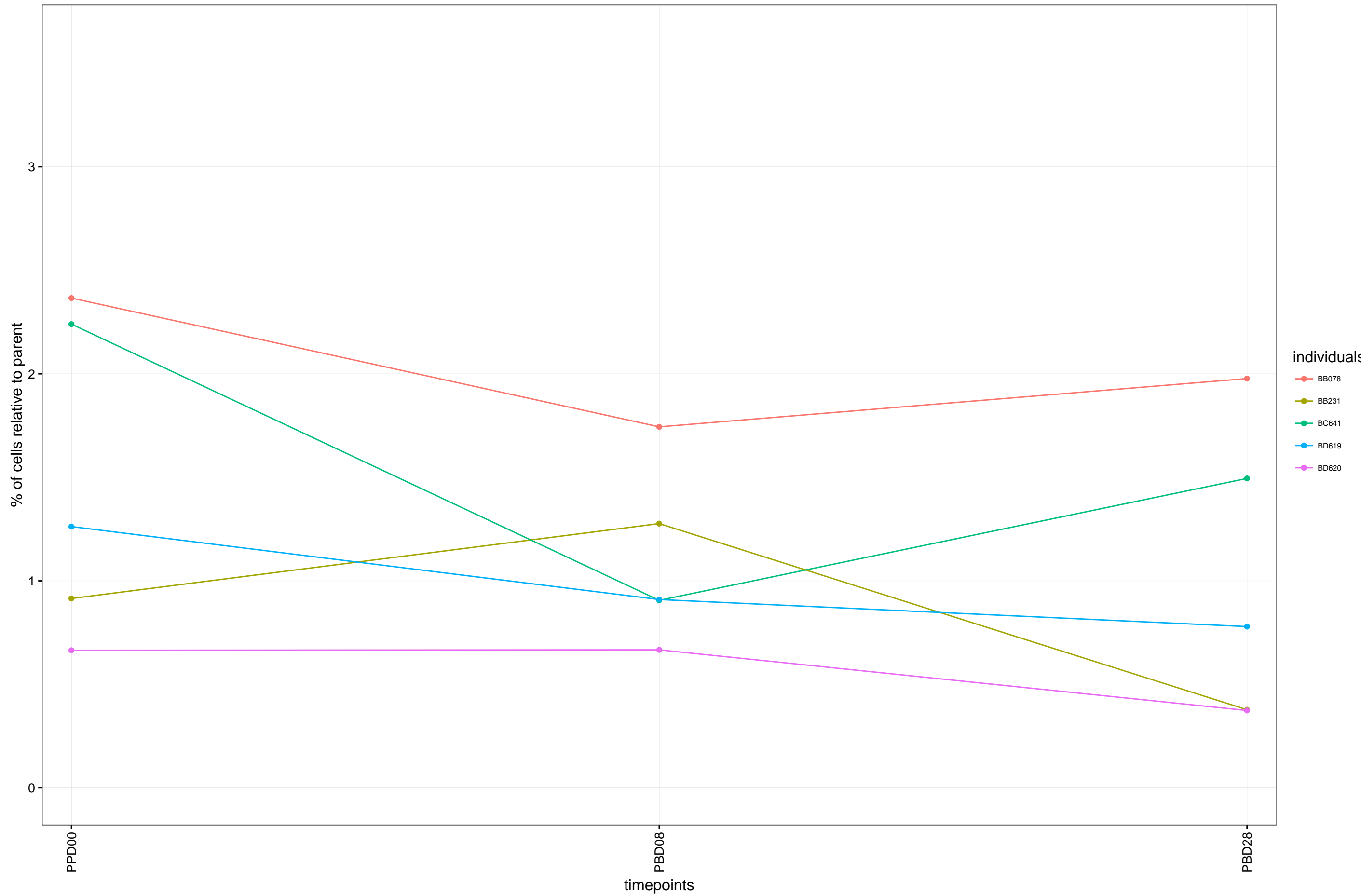


Pheno Viewer – cluster: 9 (4 470 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

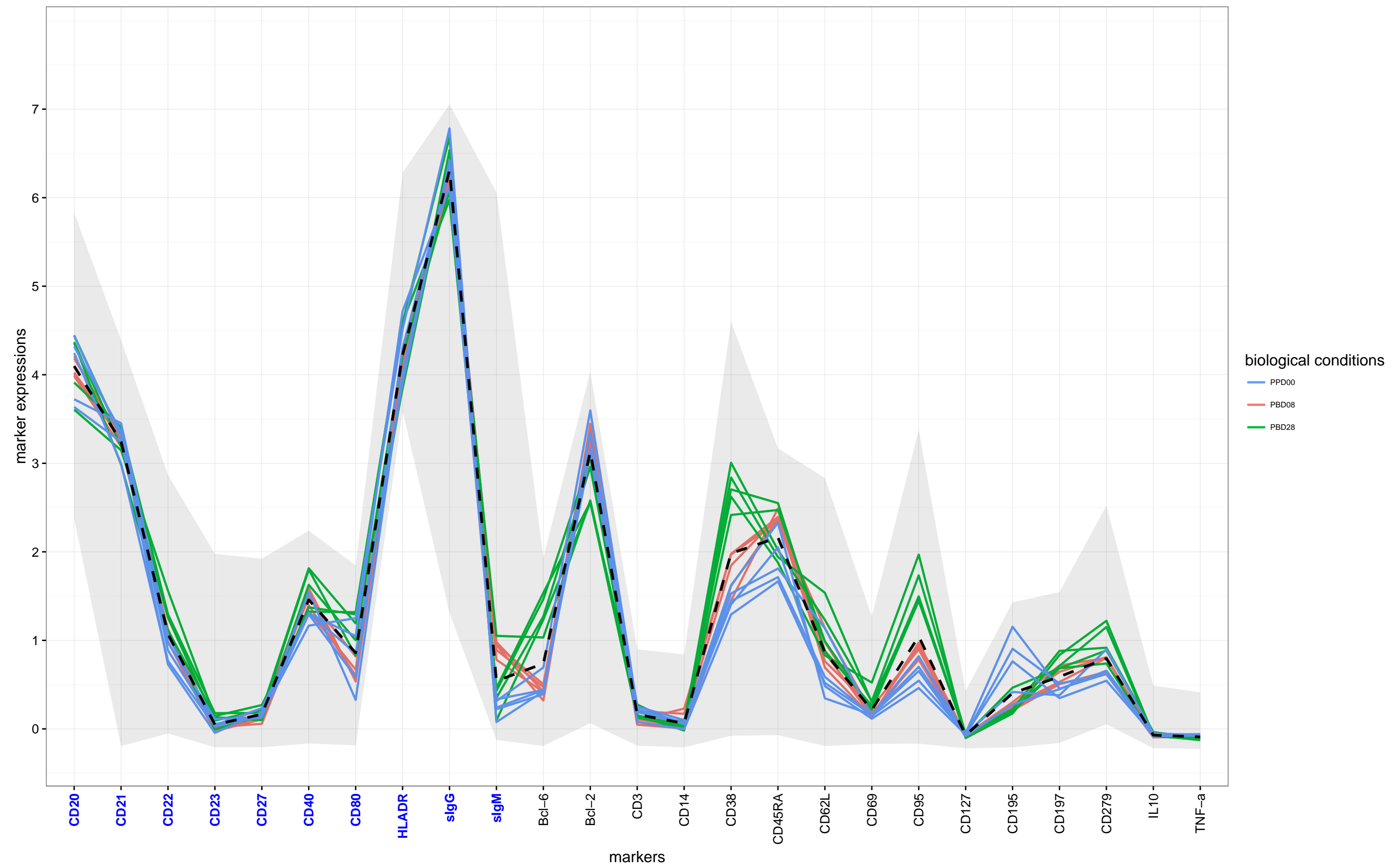


Kinetics Viewer – cluster: 10 (2 180 cells)



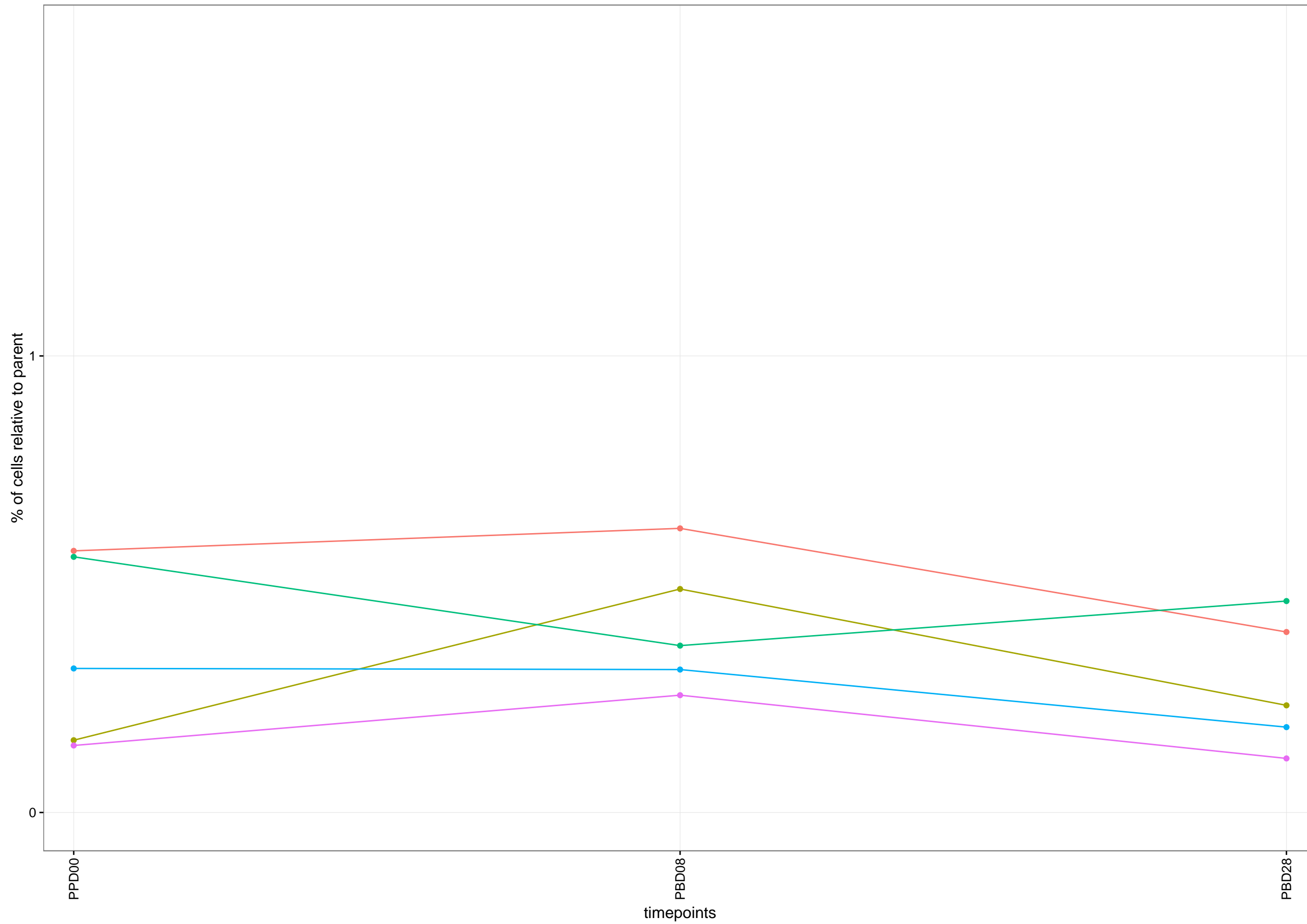
Pheno Viewer – cluster: 10 (2 180 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



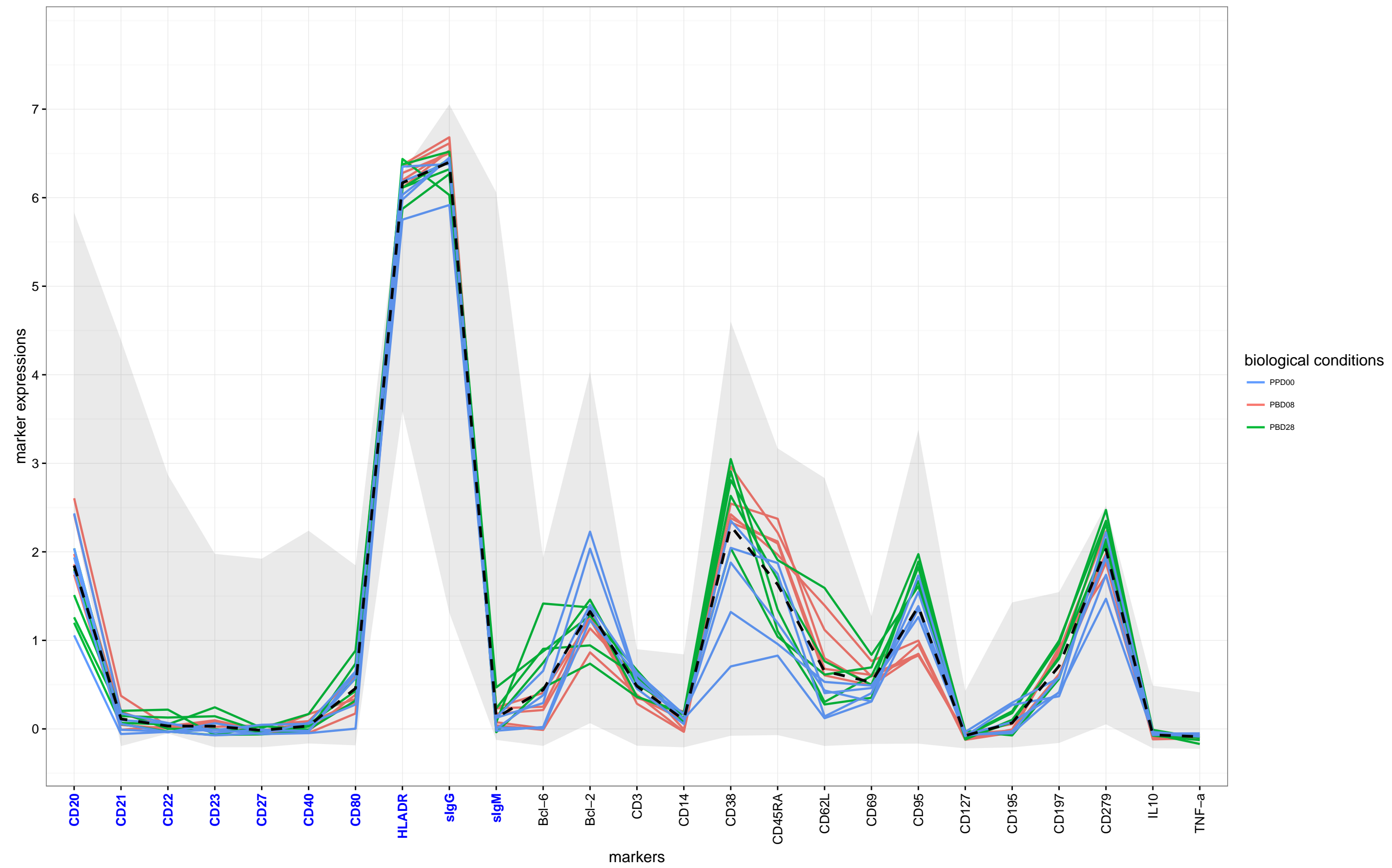


Kinetics Viewer – cluster: 11 (674 cells)



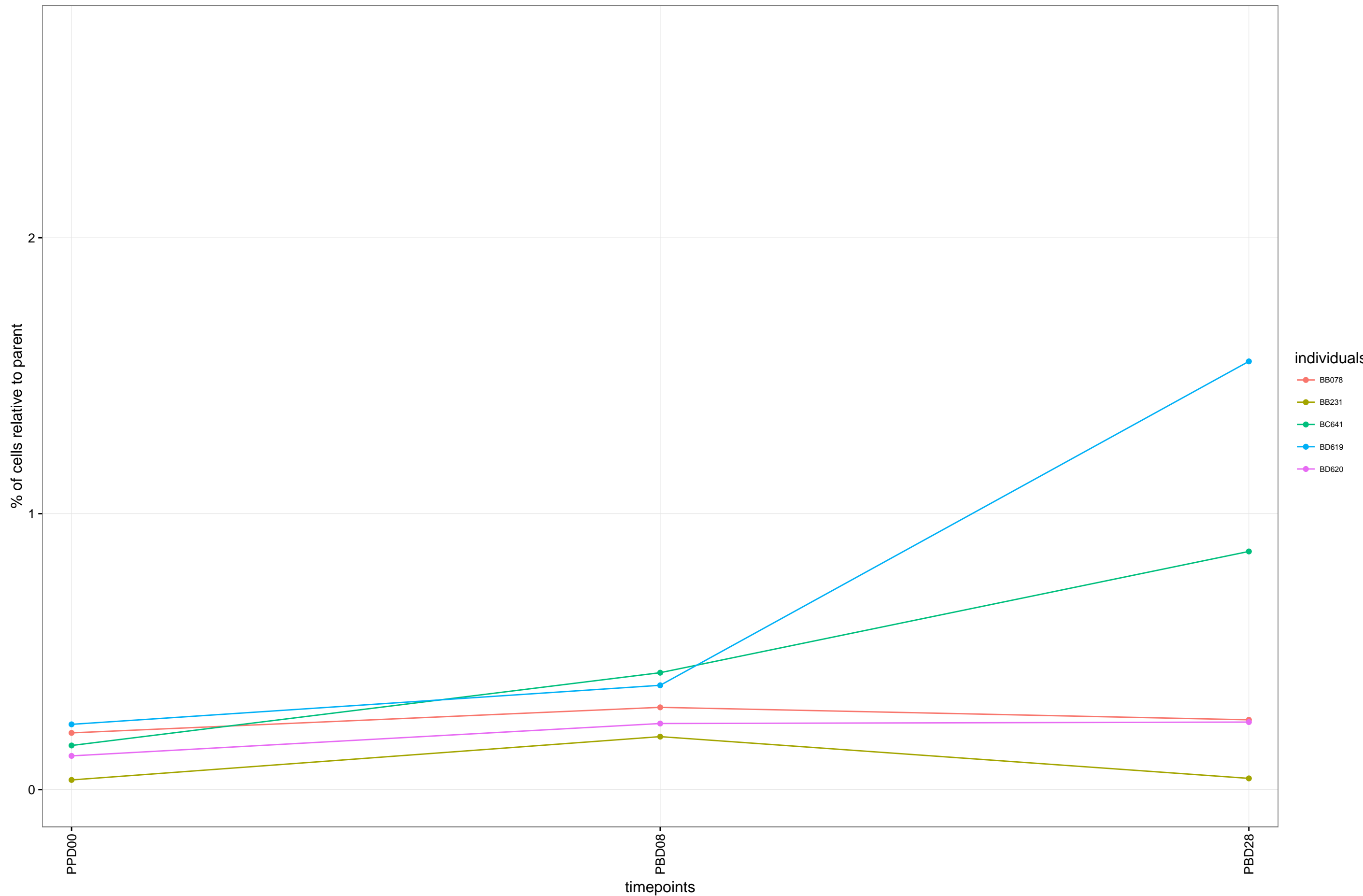
Pheno Viewer – cluster: 11 (674 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



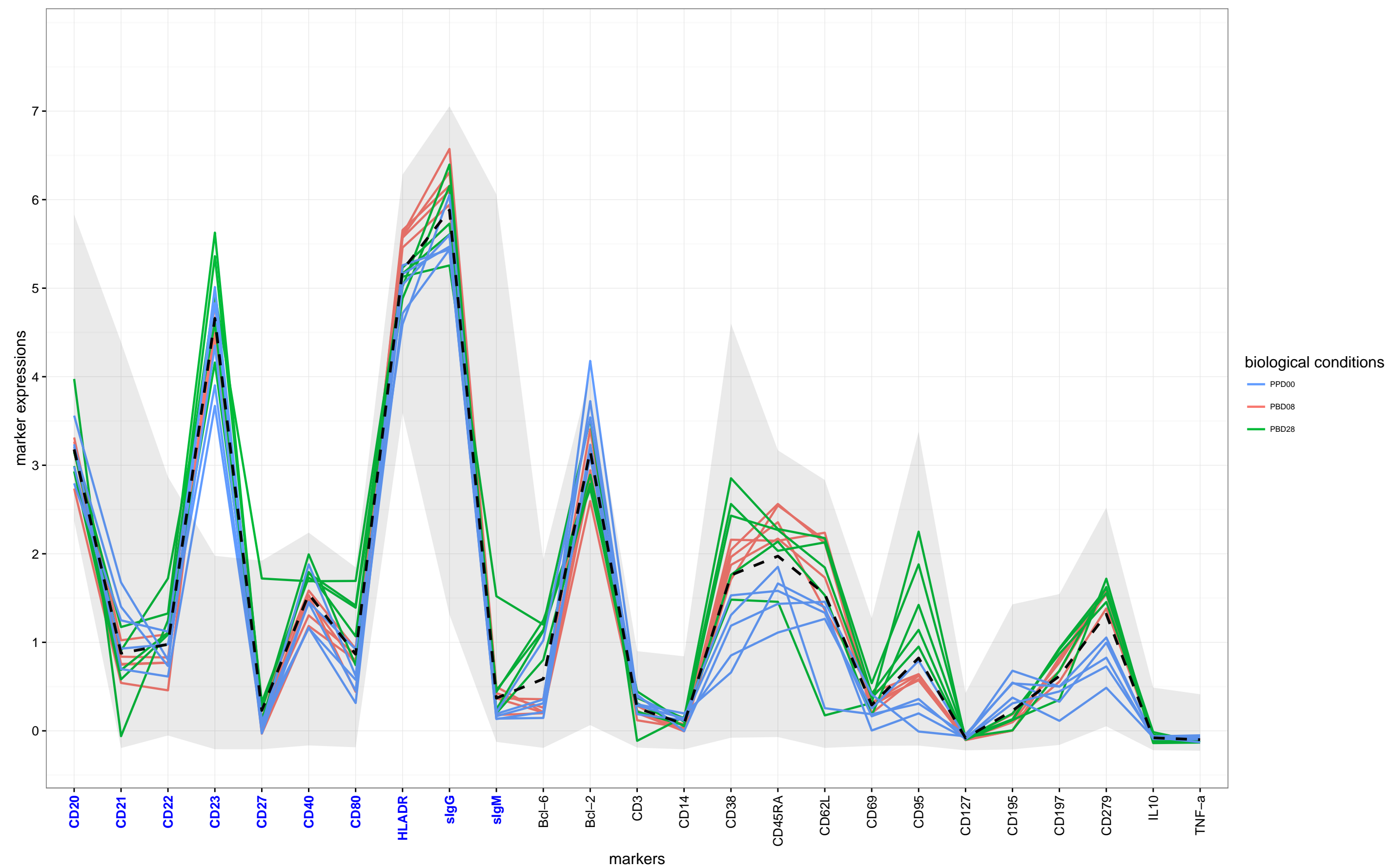


Kinetics Viewer – cluster: 12 (780 cells)

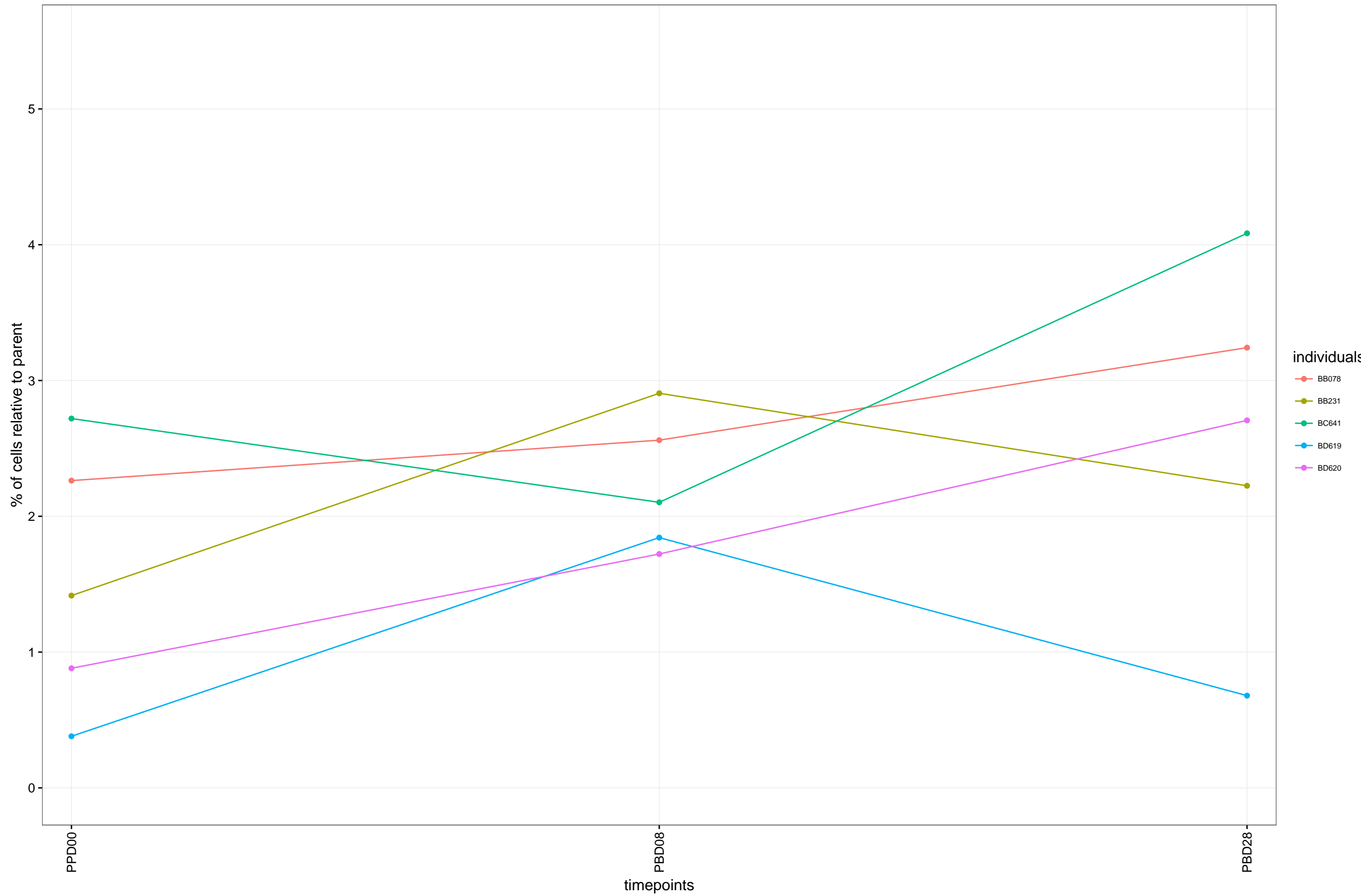


Pheno Viewer – cluster: 12 (780 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

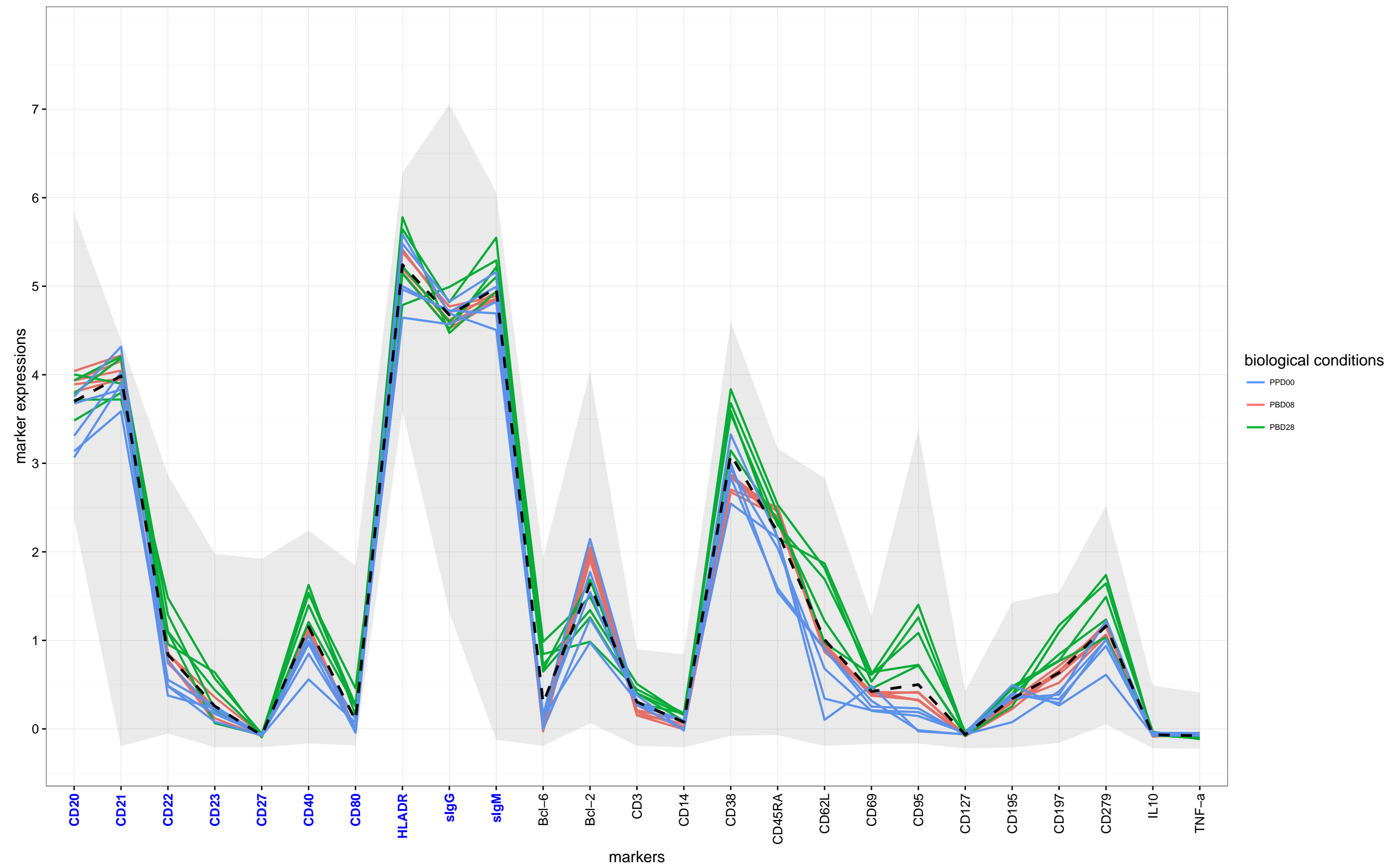


Kinetics Viewer – cluster: 13 (4 509 cells)

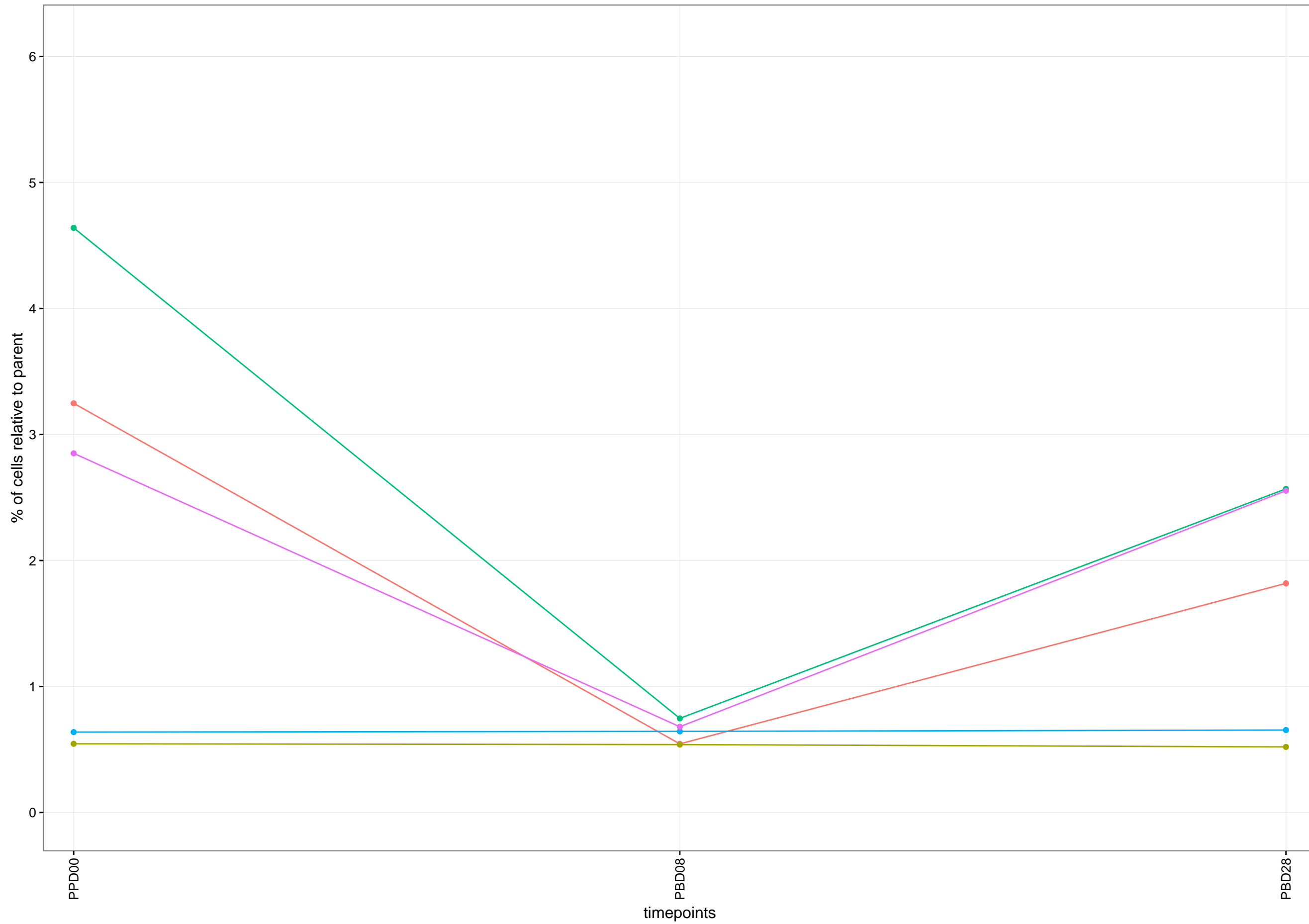


Pheno Viewer – cluster: 13 (4 509 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

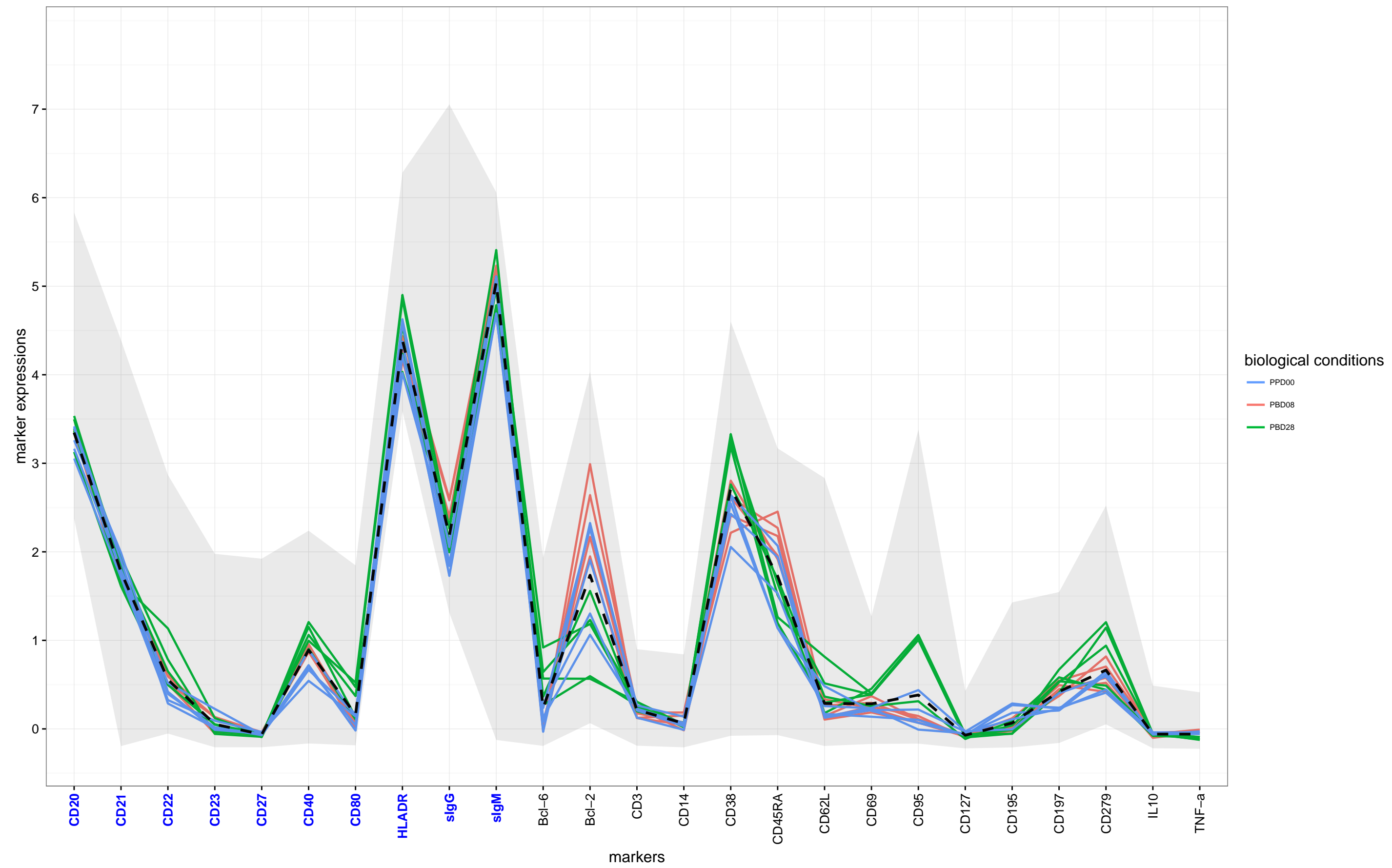


Kinetics Viewer – cluster: 14 (3 225 cells)

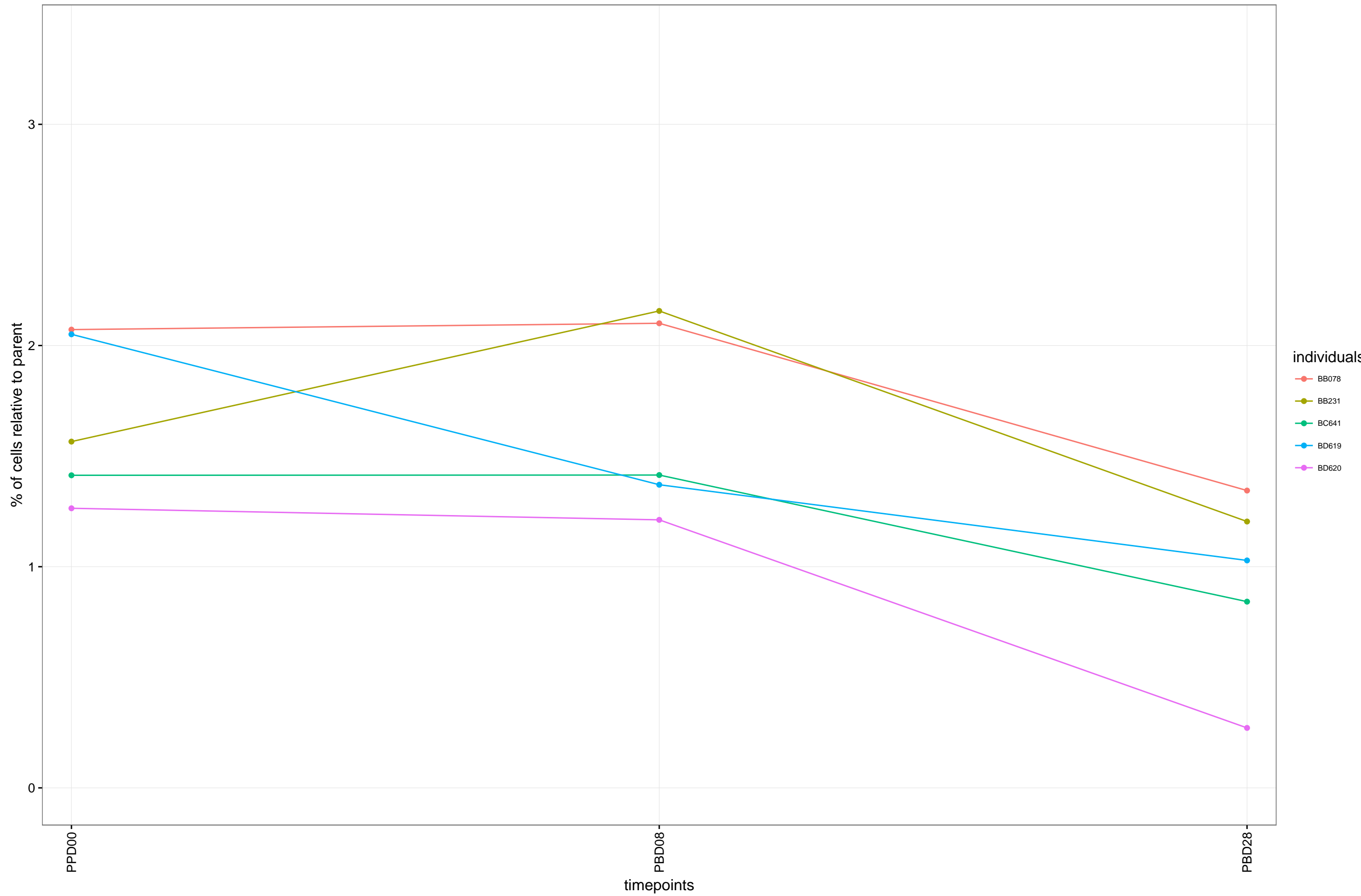


Pheno Viewer – cluster: 14 (3 225 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

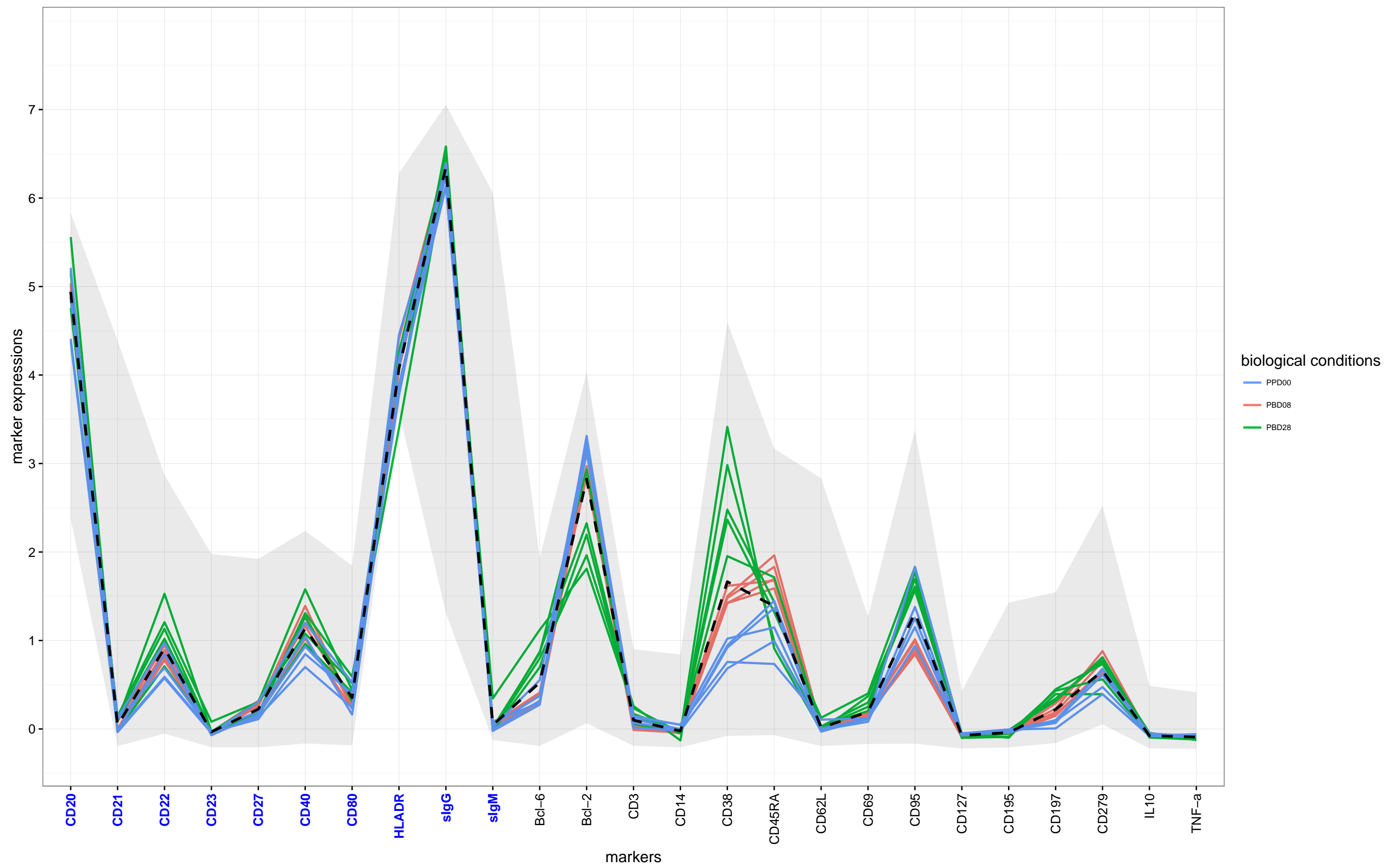


Kinetics Viewer – cluster: 15 (2 999 cells)

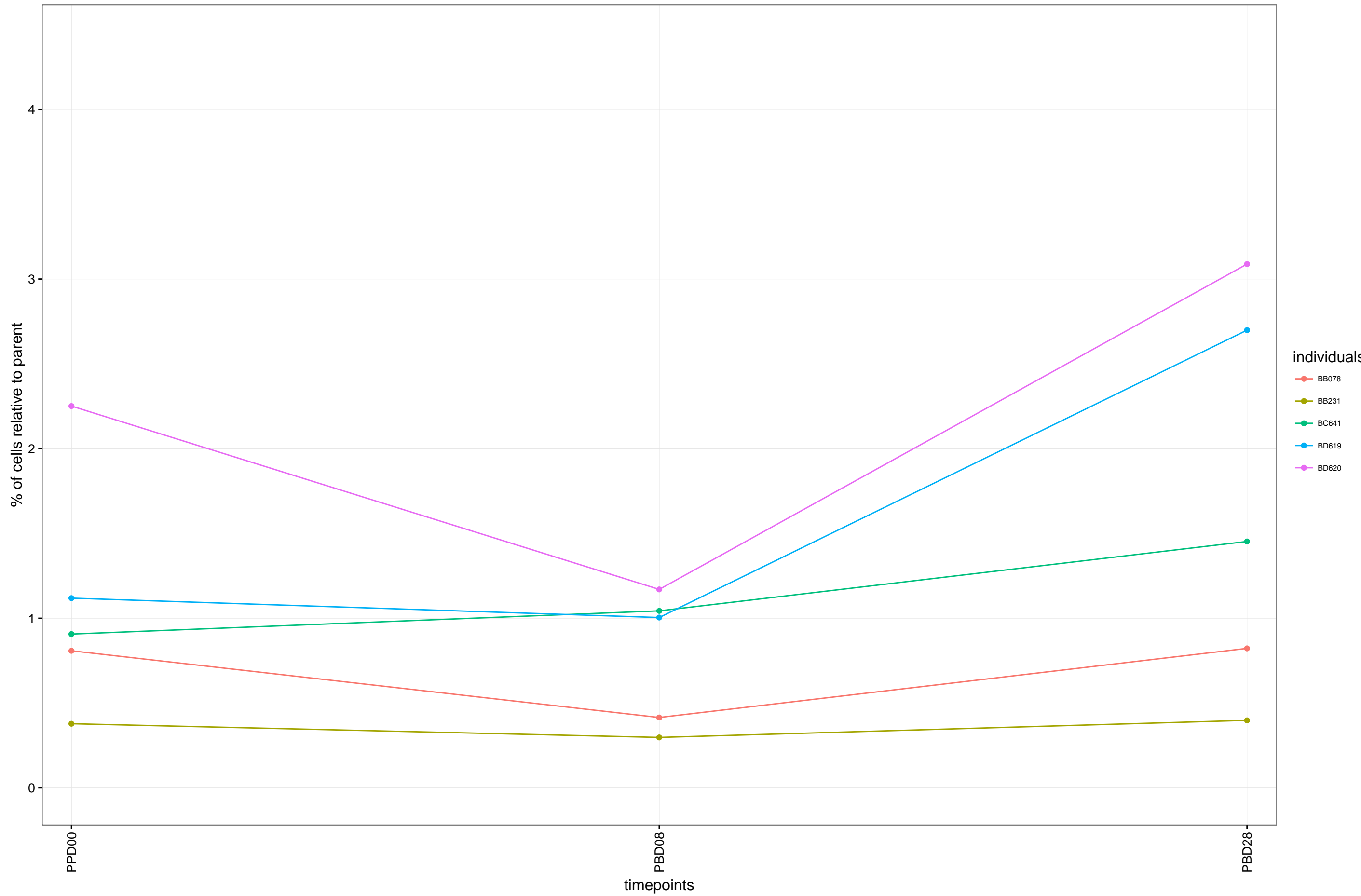


Pheno Viewer – cluster: 15 (2 999 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

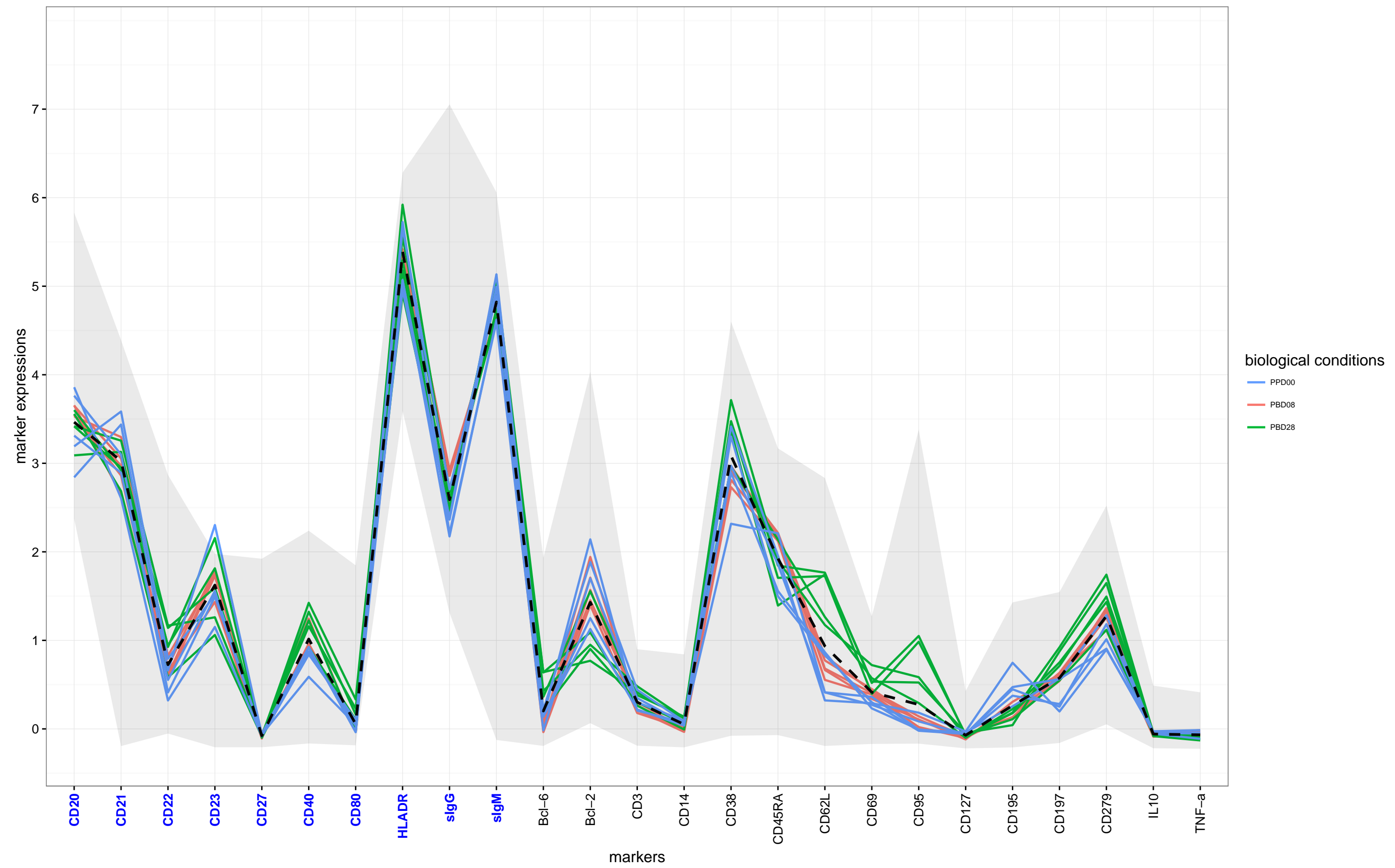


Kinetics Viewer – cluster: 16 (3 422 cells)



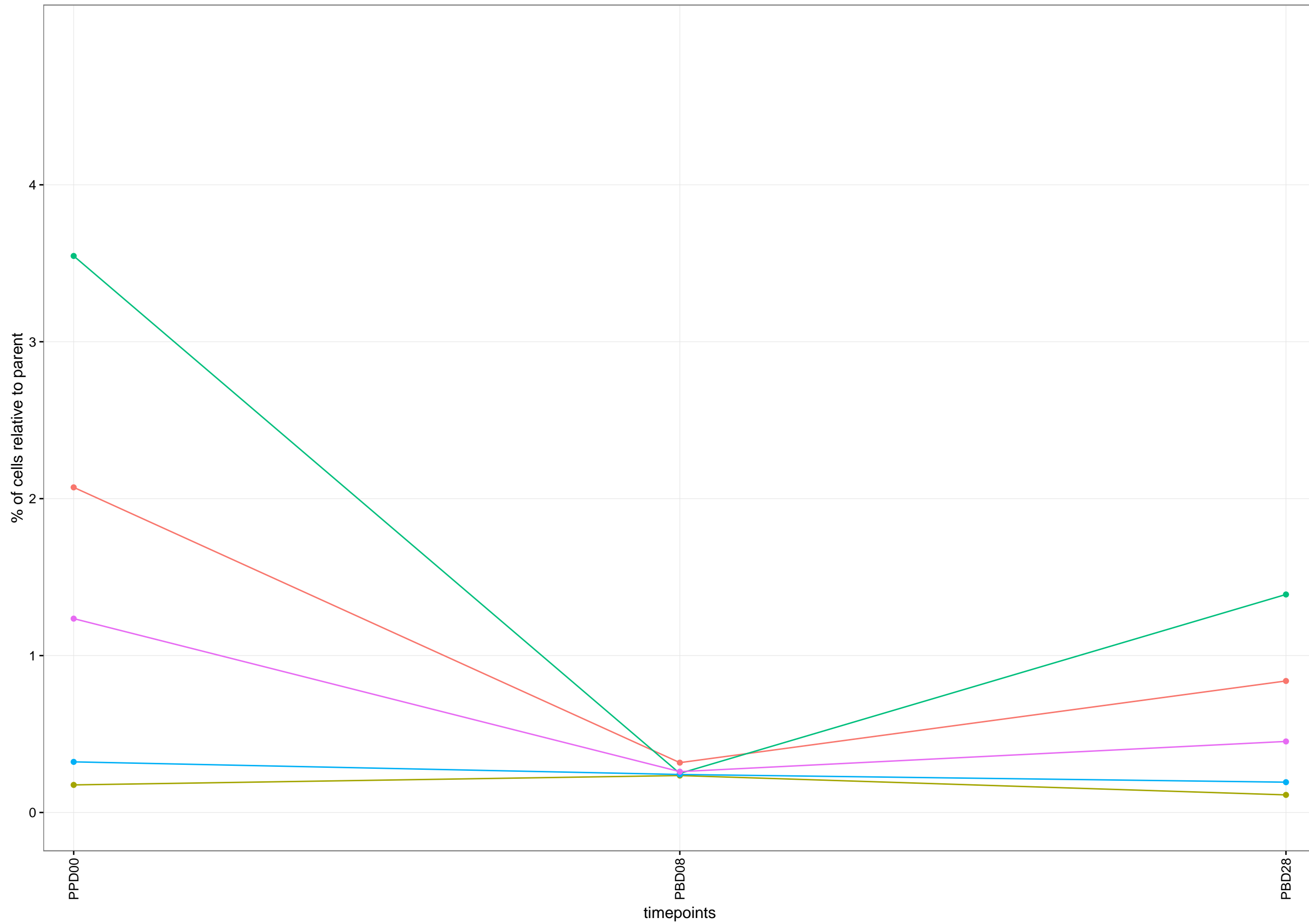
Pheno Viewer – cluster: 16 (3 422 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



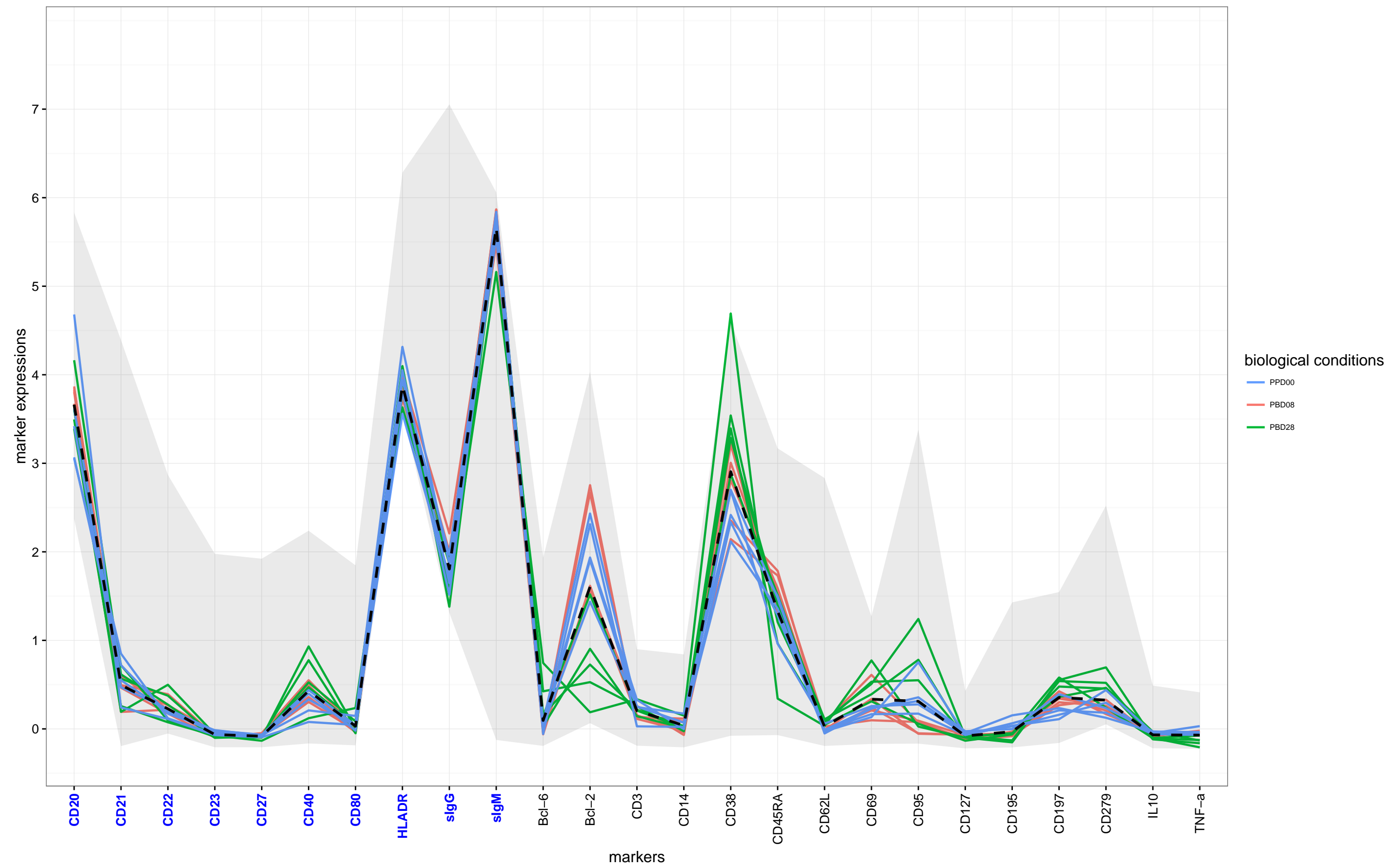


Kinetics Viewer – cluster: 17 (1 225 cells)



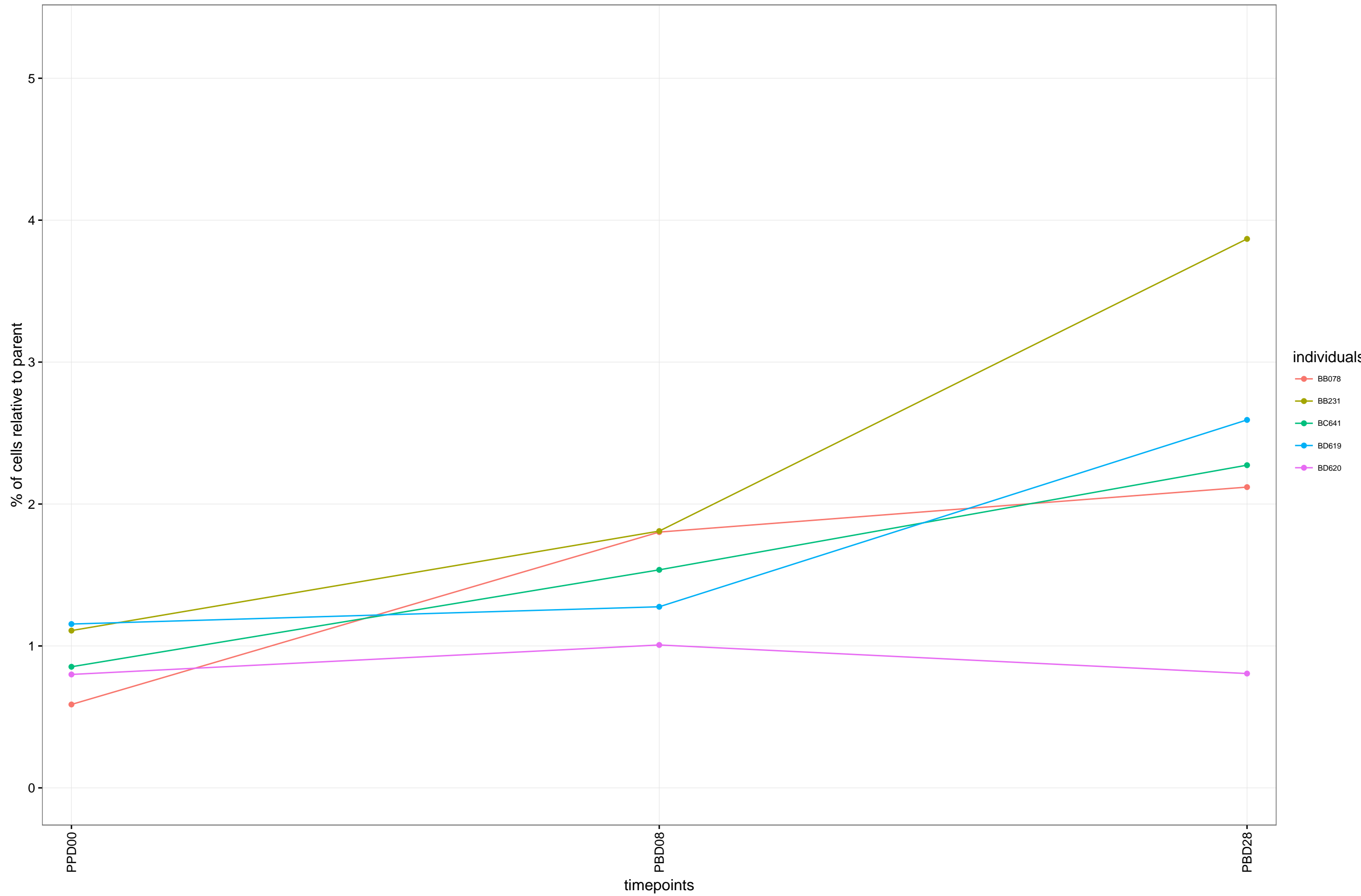
Pheno Viewer – cluster: 17 (1 225 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



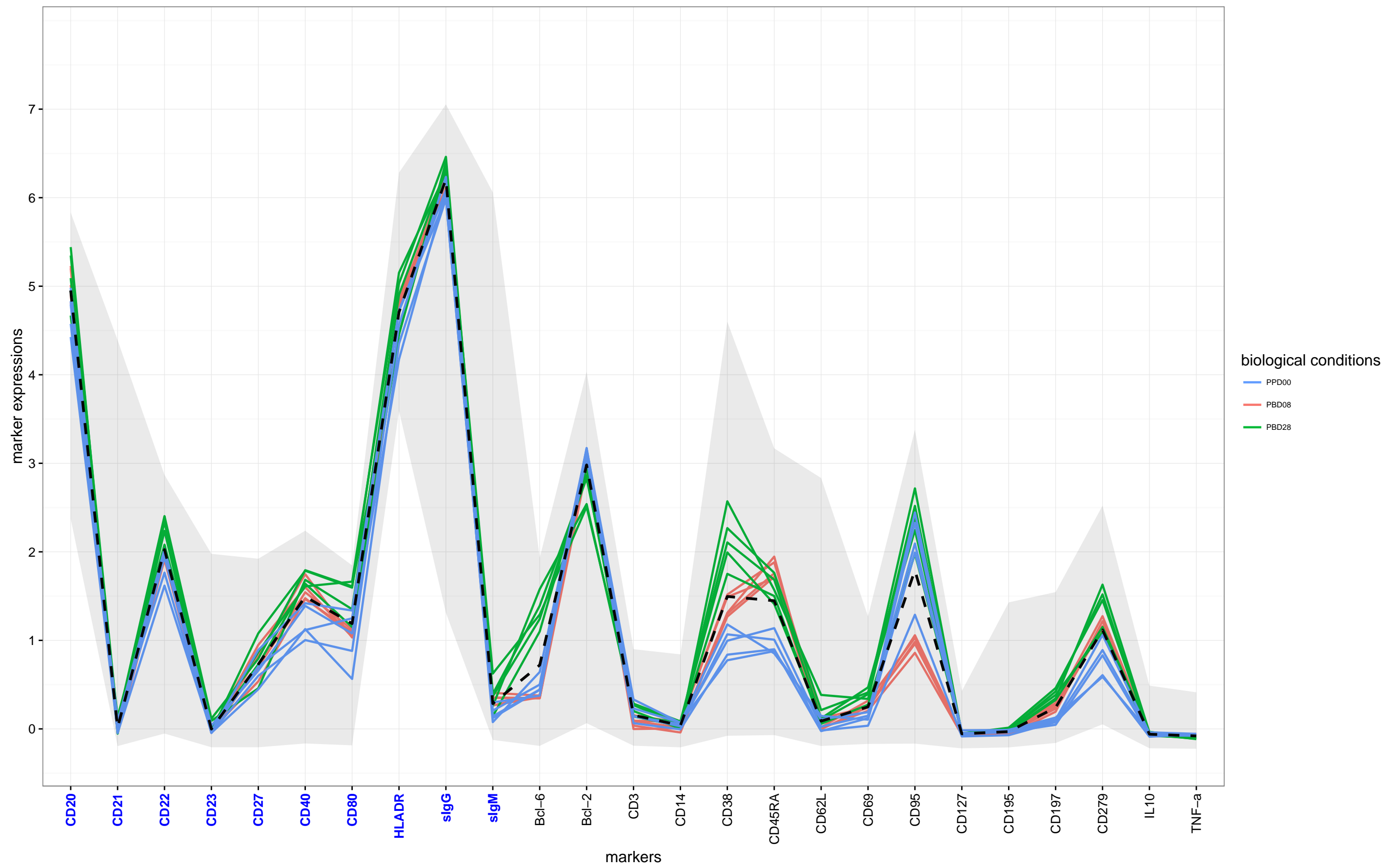


Kinetics Viewer – cluster: 18 (3 264 cells)

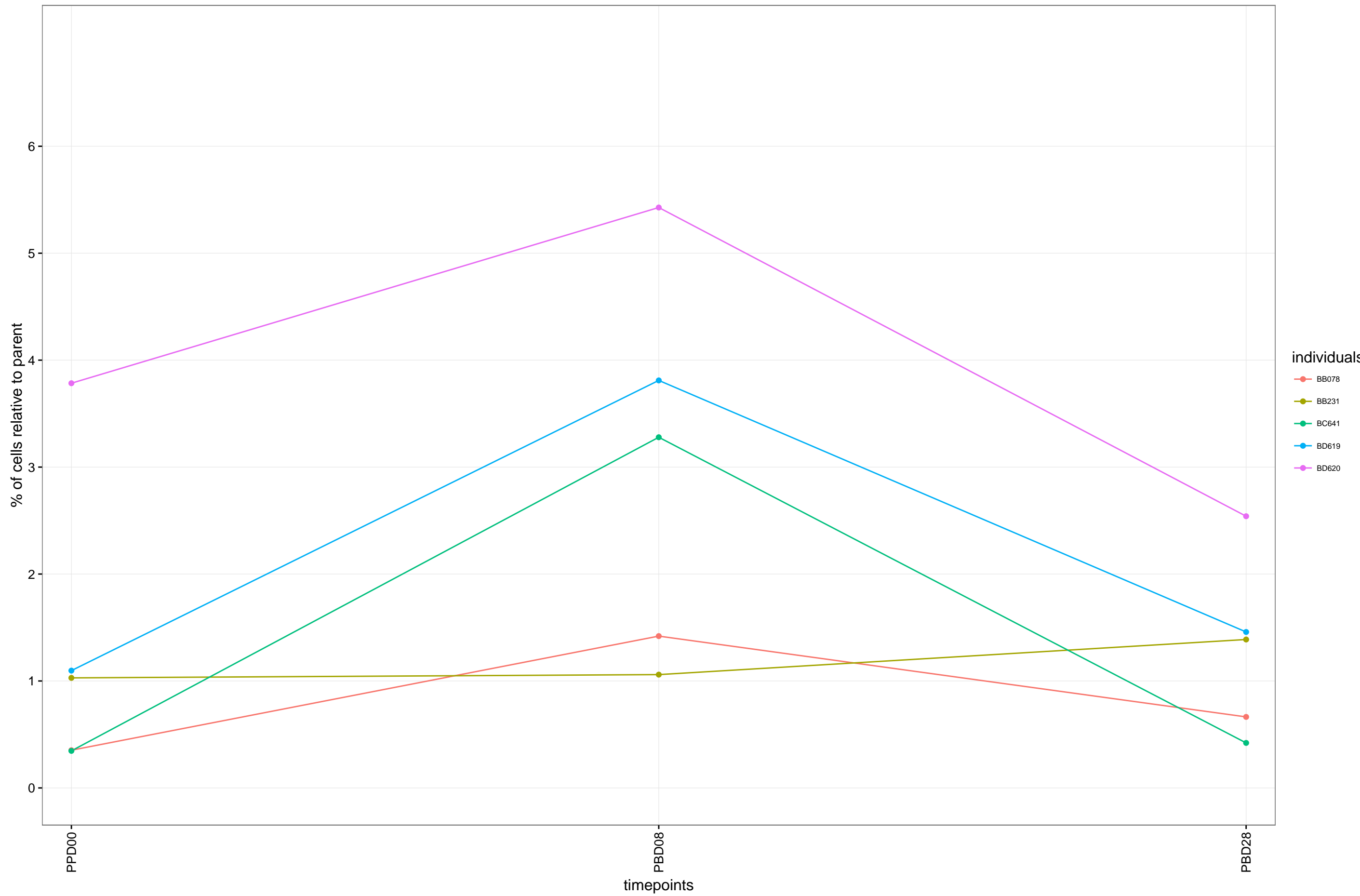


Pheno Viewer – cluster: 18 (3 264 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

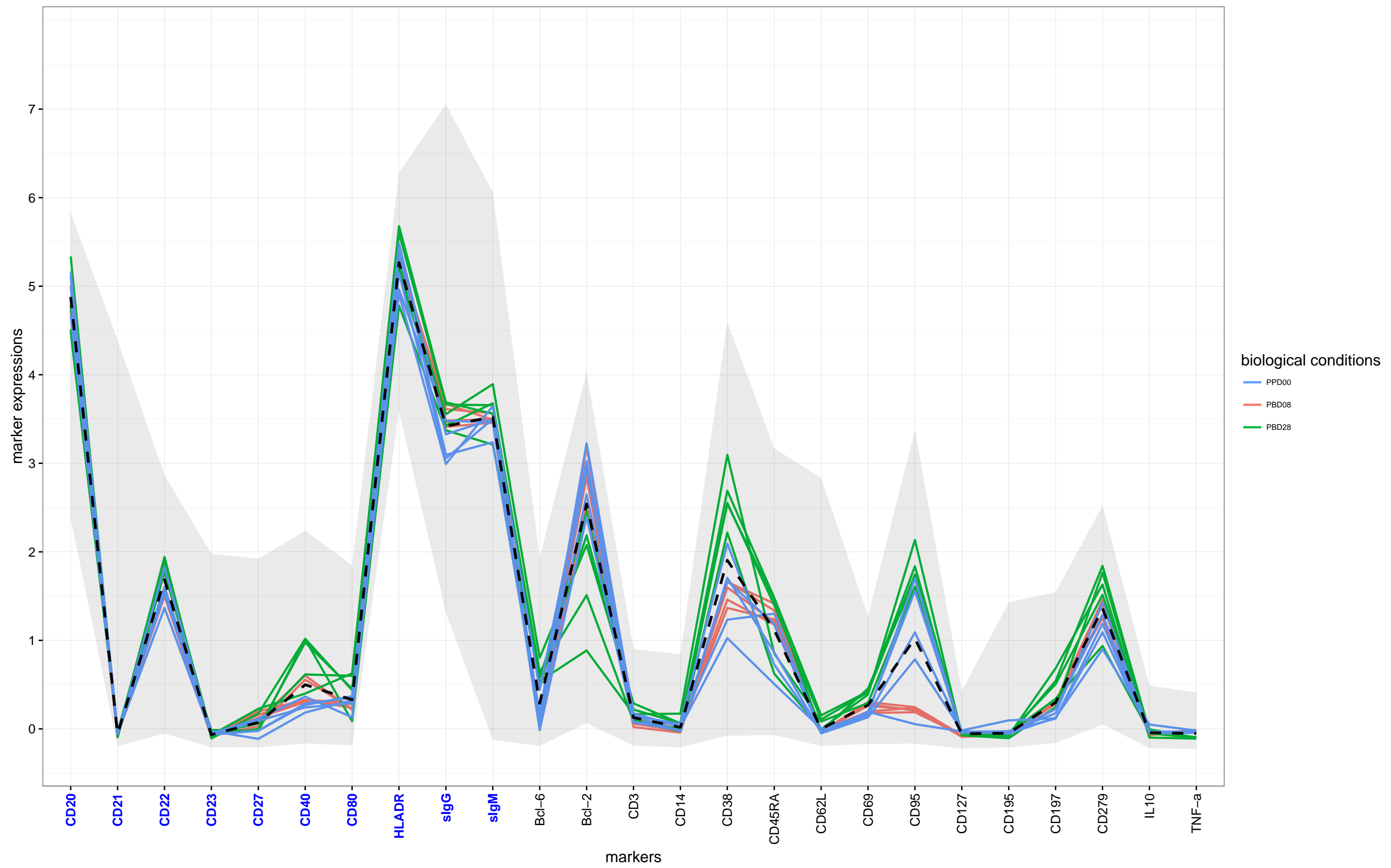


Kinetics Viewer – cluster: 19 (5 849 cells)

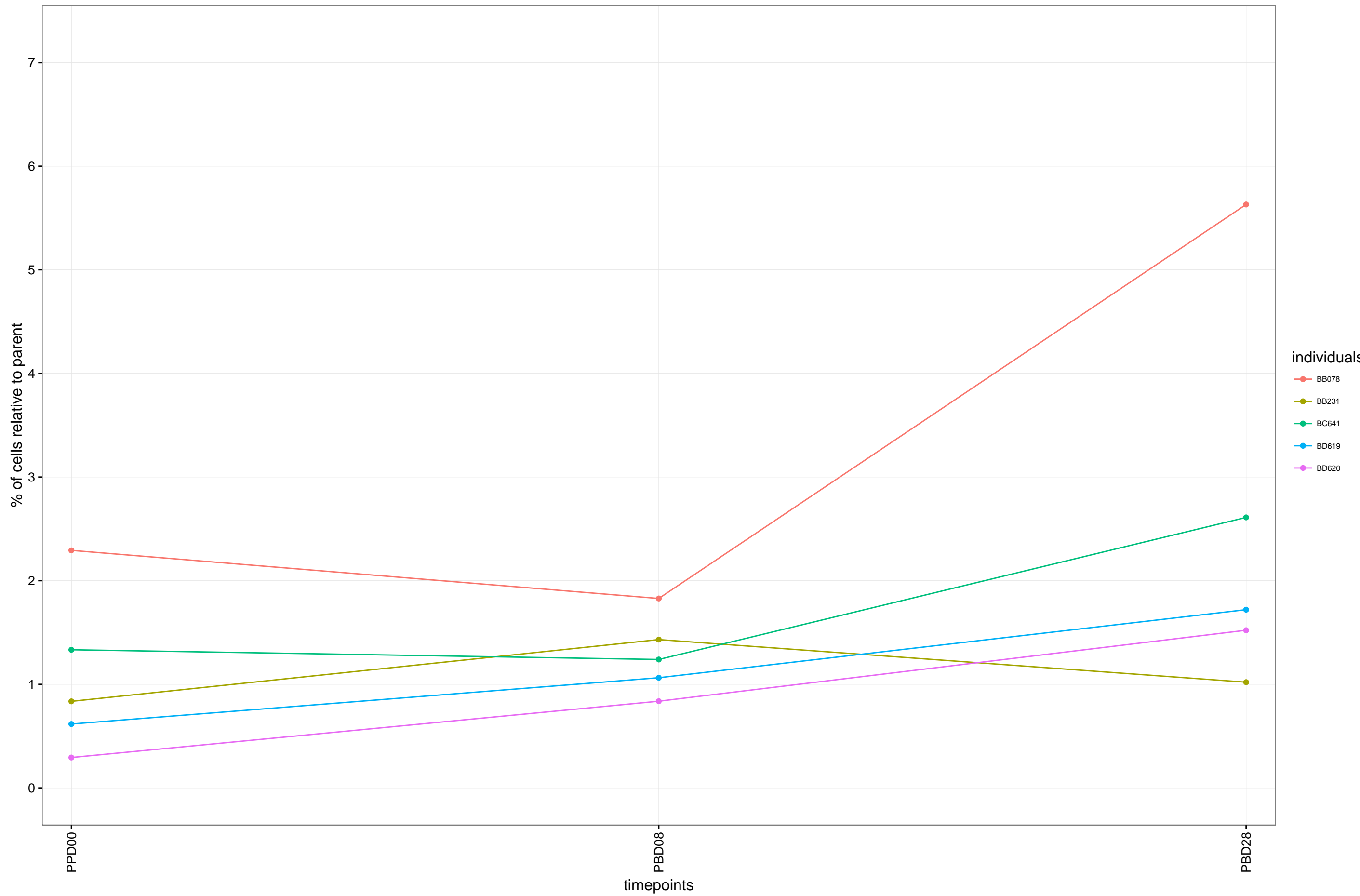


Pheno Viewer – cluster: 19 (5 849 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

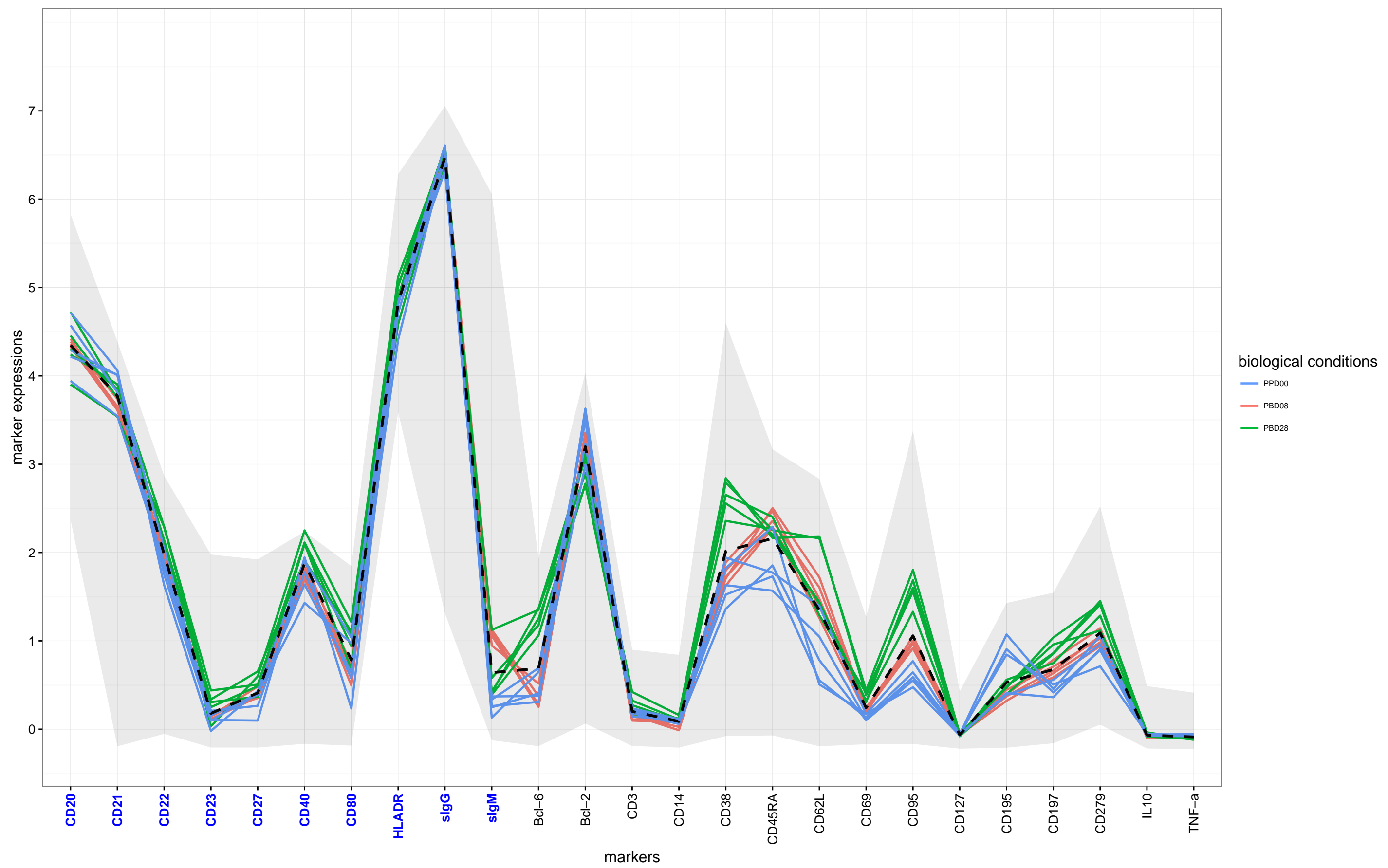


Kinetics Viewer – cluster: 20 (3 061 cells)

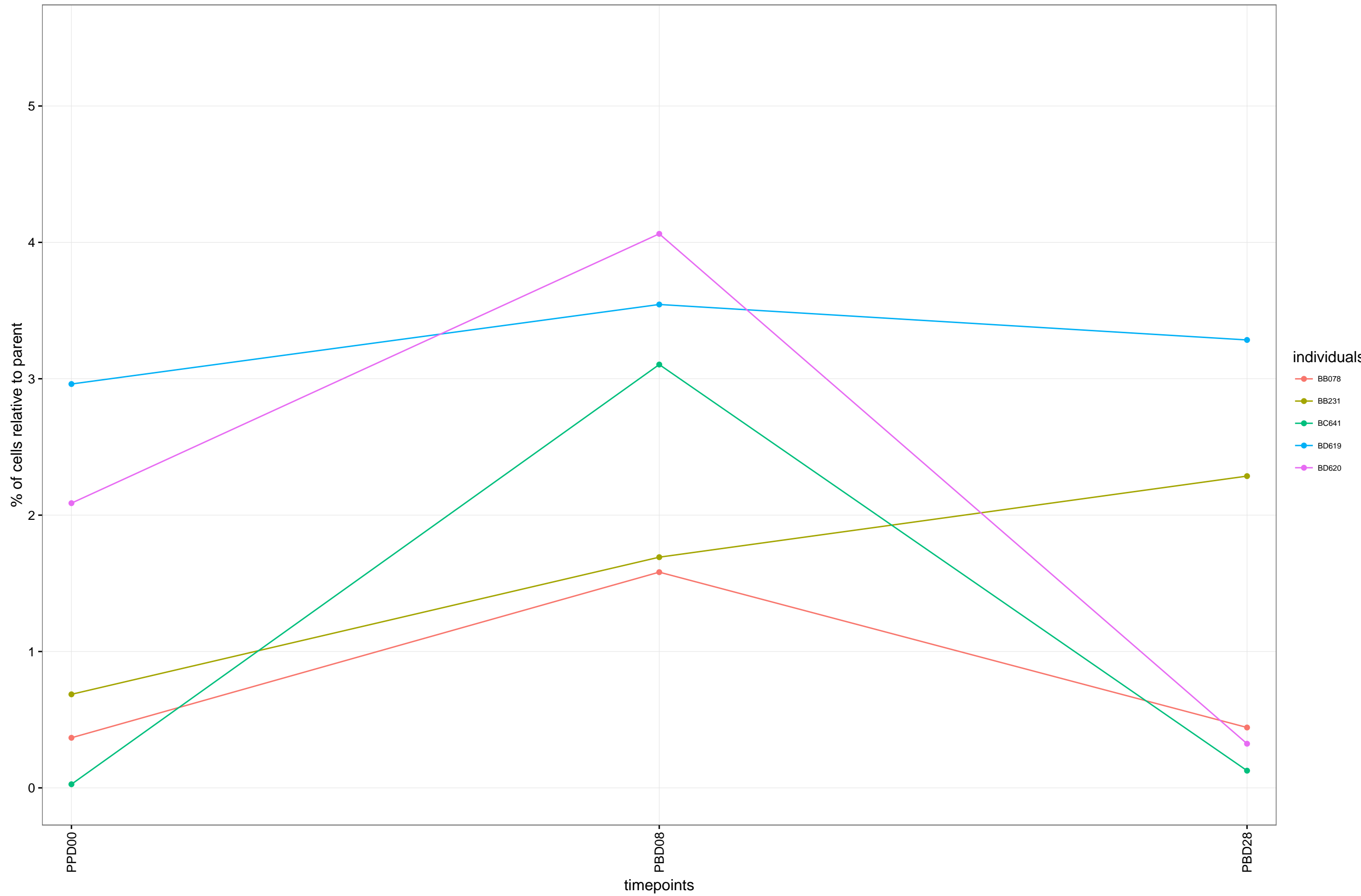


Pheno Viewer – cluster: 20 (3 061 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

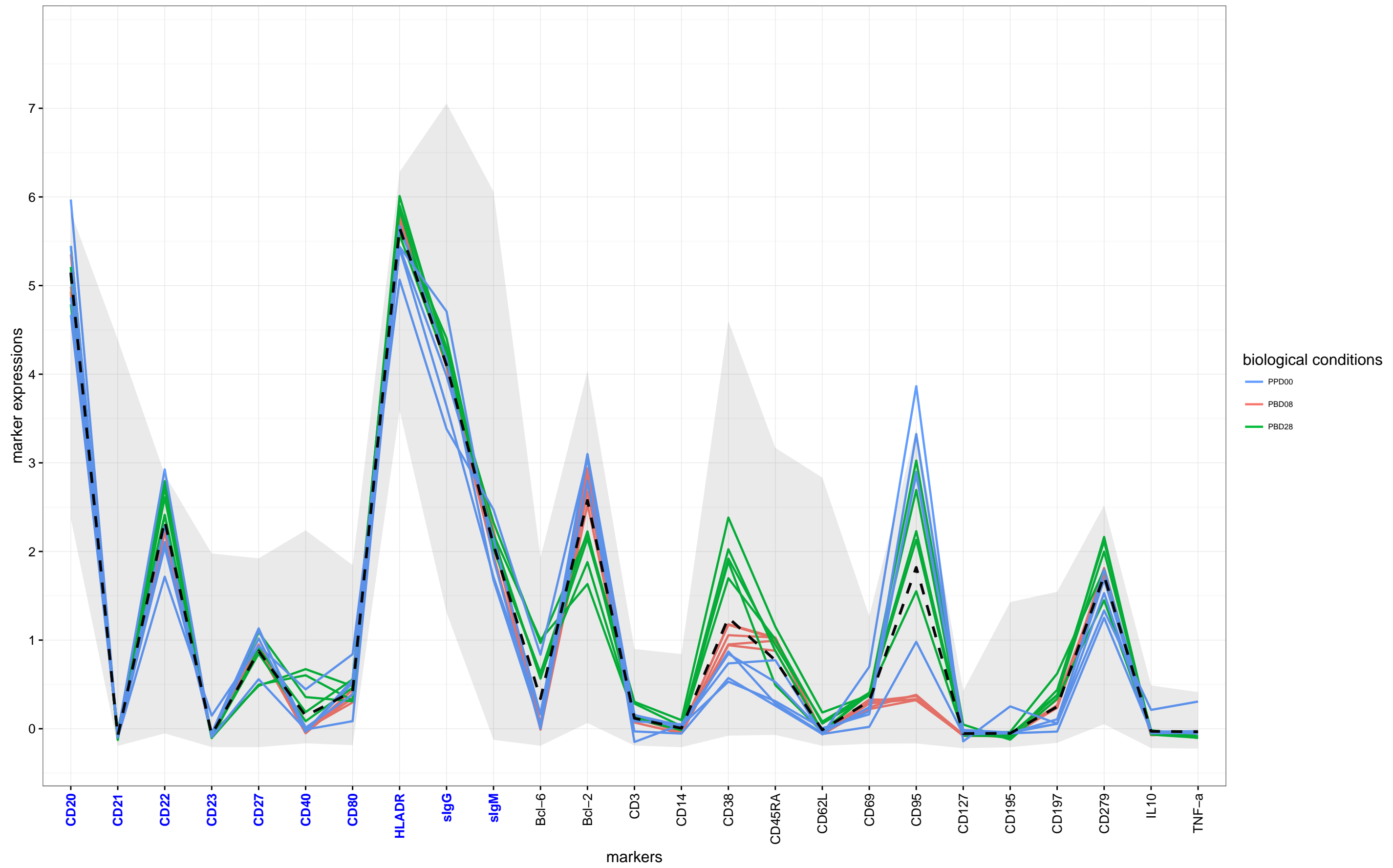


Kinetics Viewer – cluster: 21 (4 810 cells)

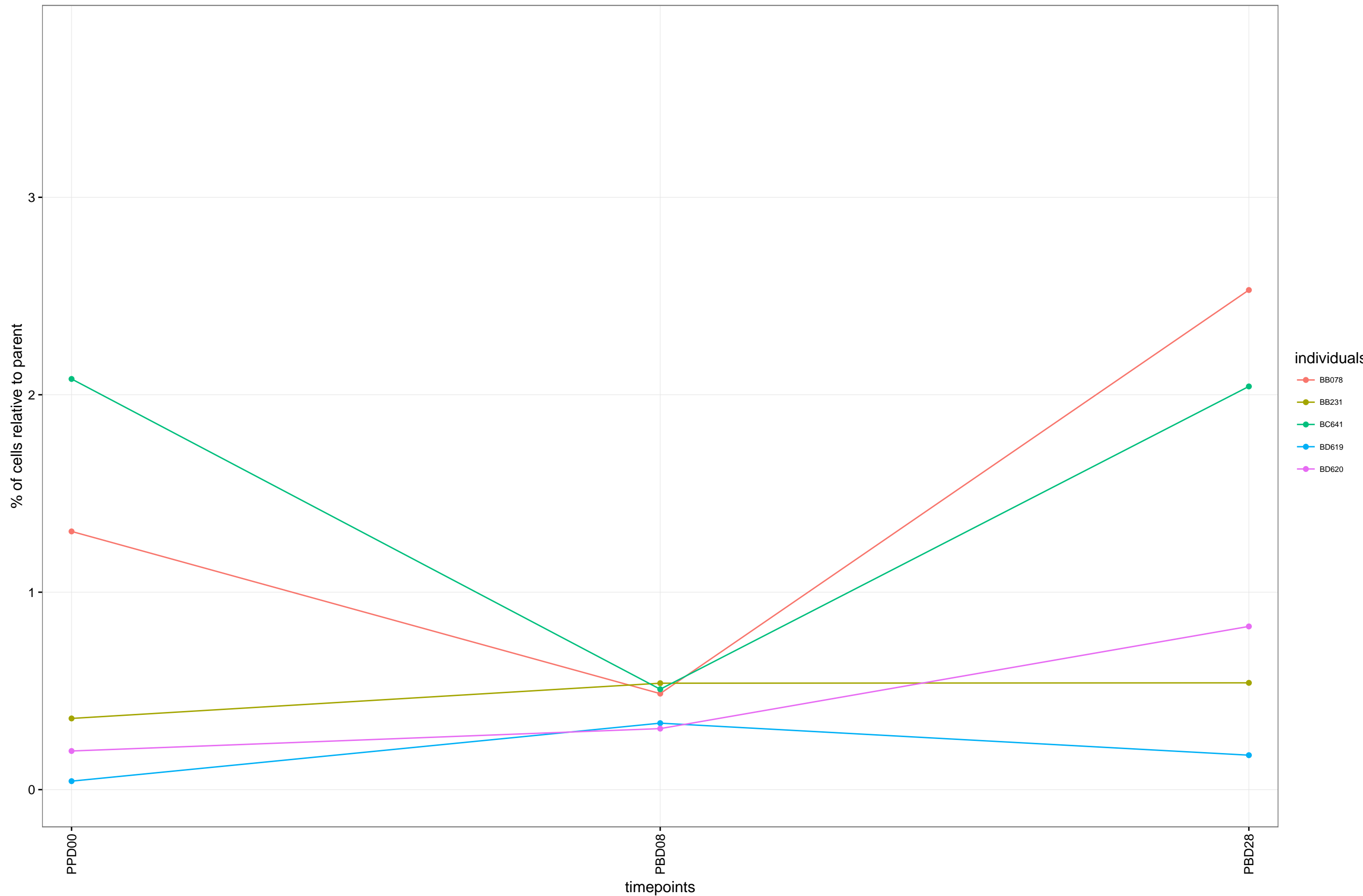


Pheno Viewer – cluster: 21 (4 810 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

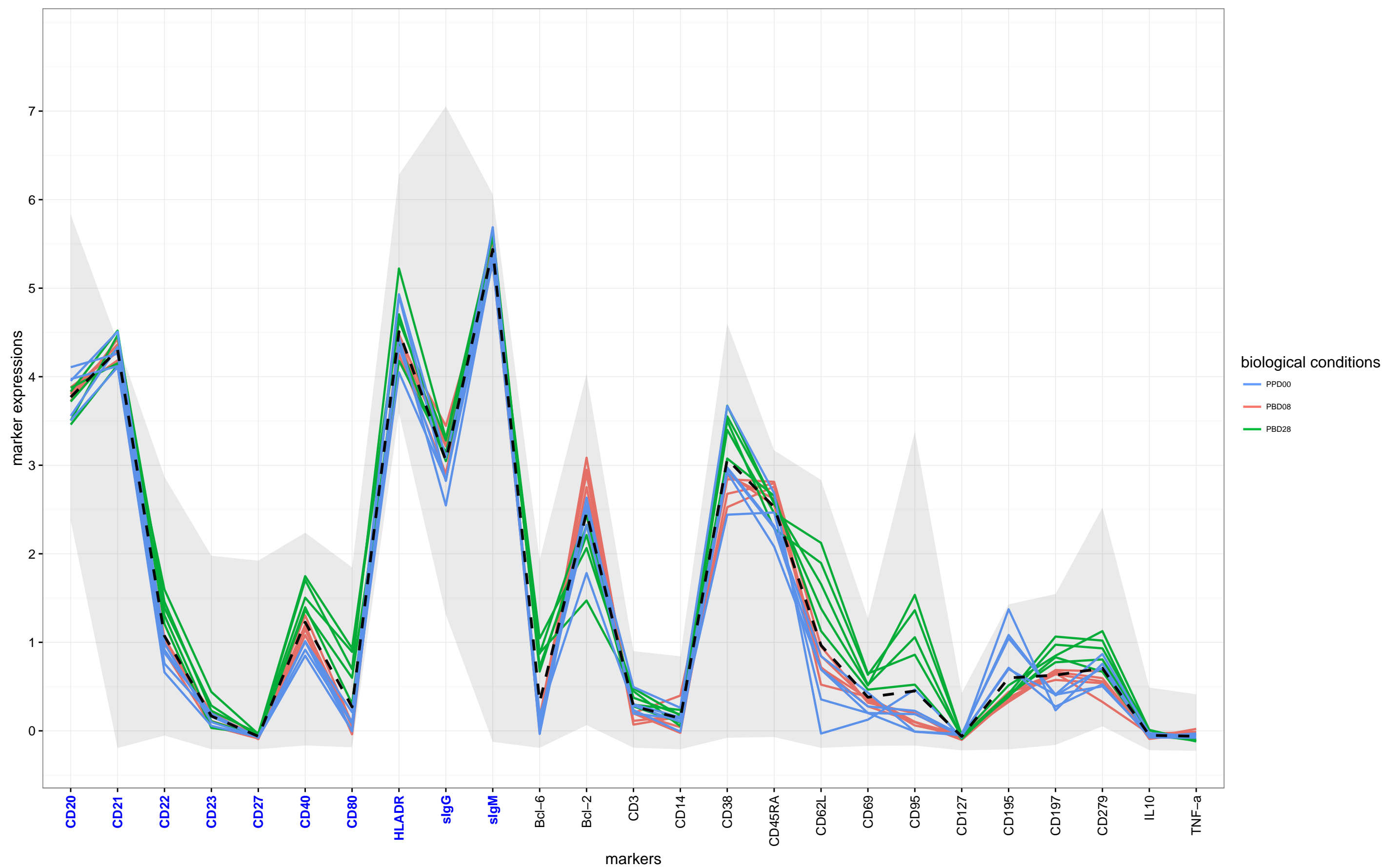


Kinetics Viewer – cluster: 22 (1 318 cells)



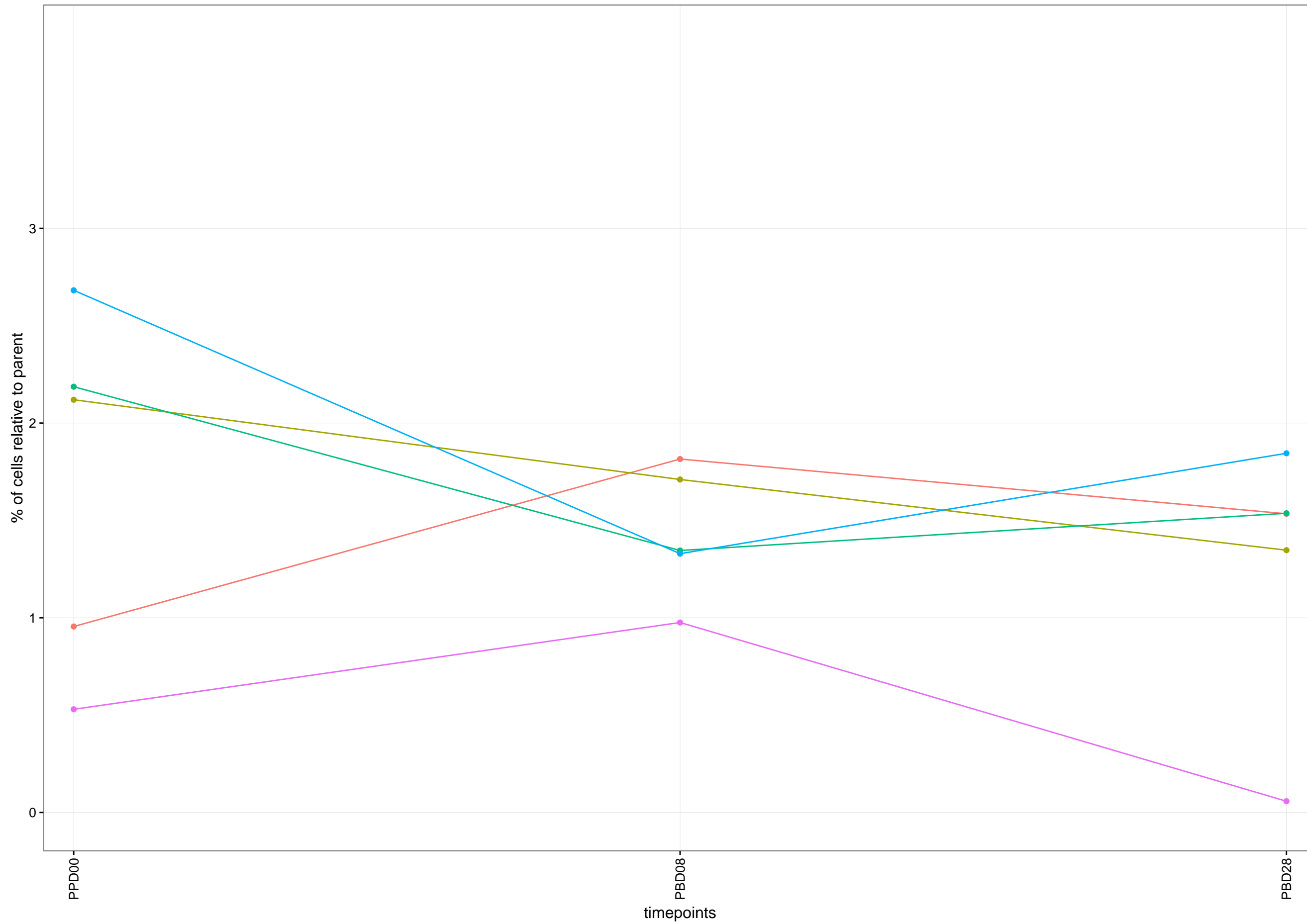
Pheno Viewer – cluster: 22 (1 318 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



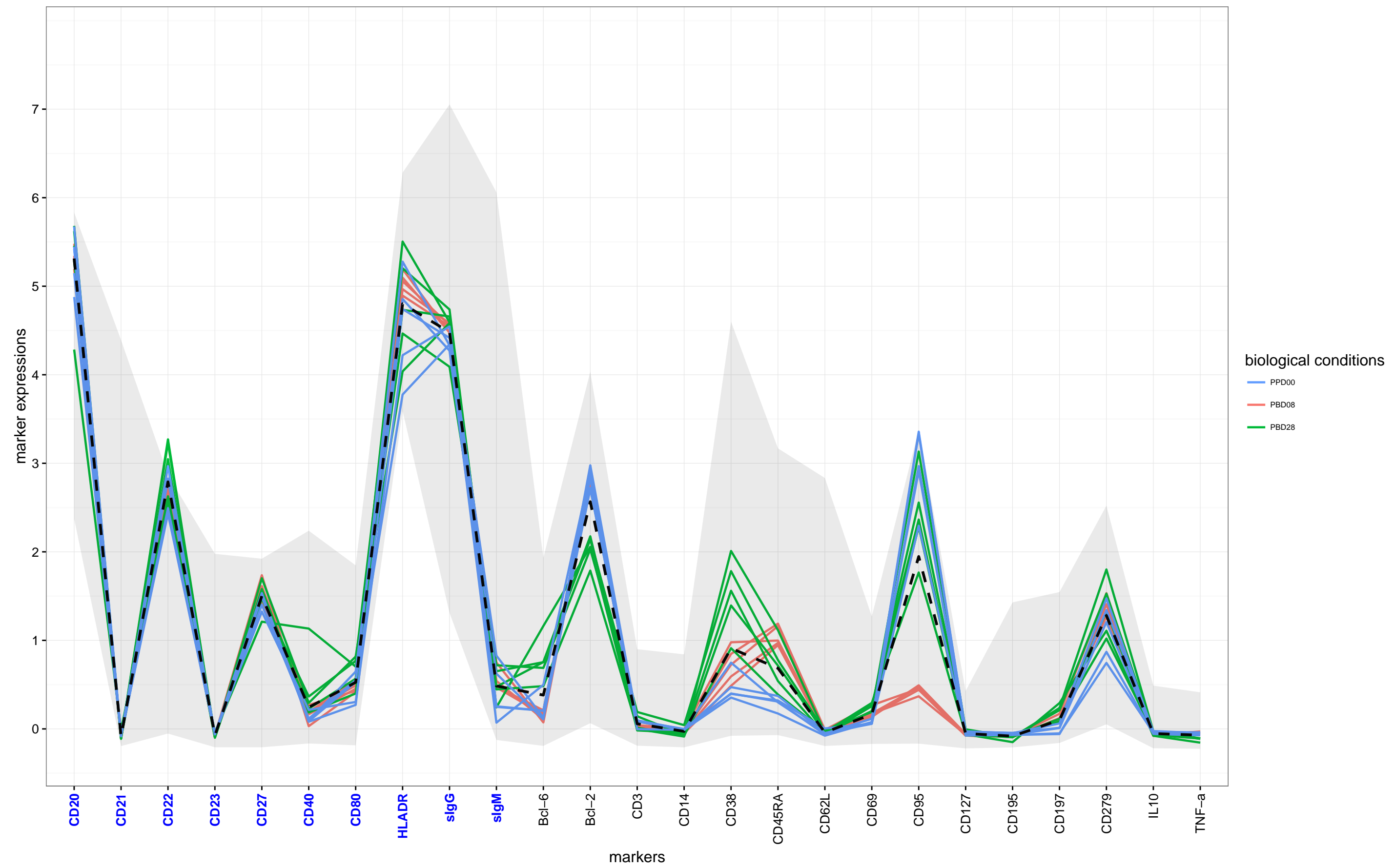


Kinetics Viewer – cluster: 23 (2 828 cells)



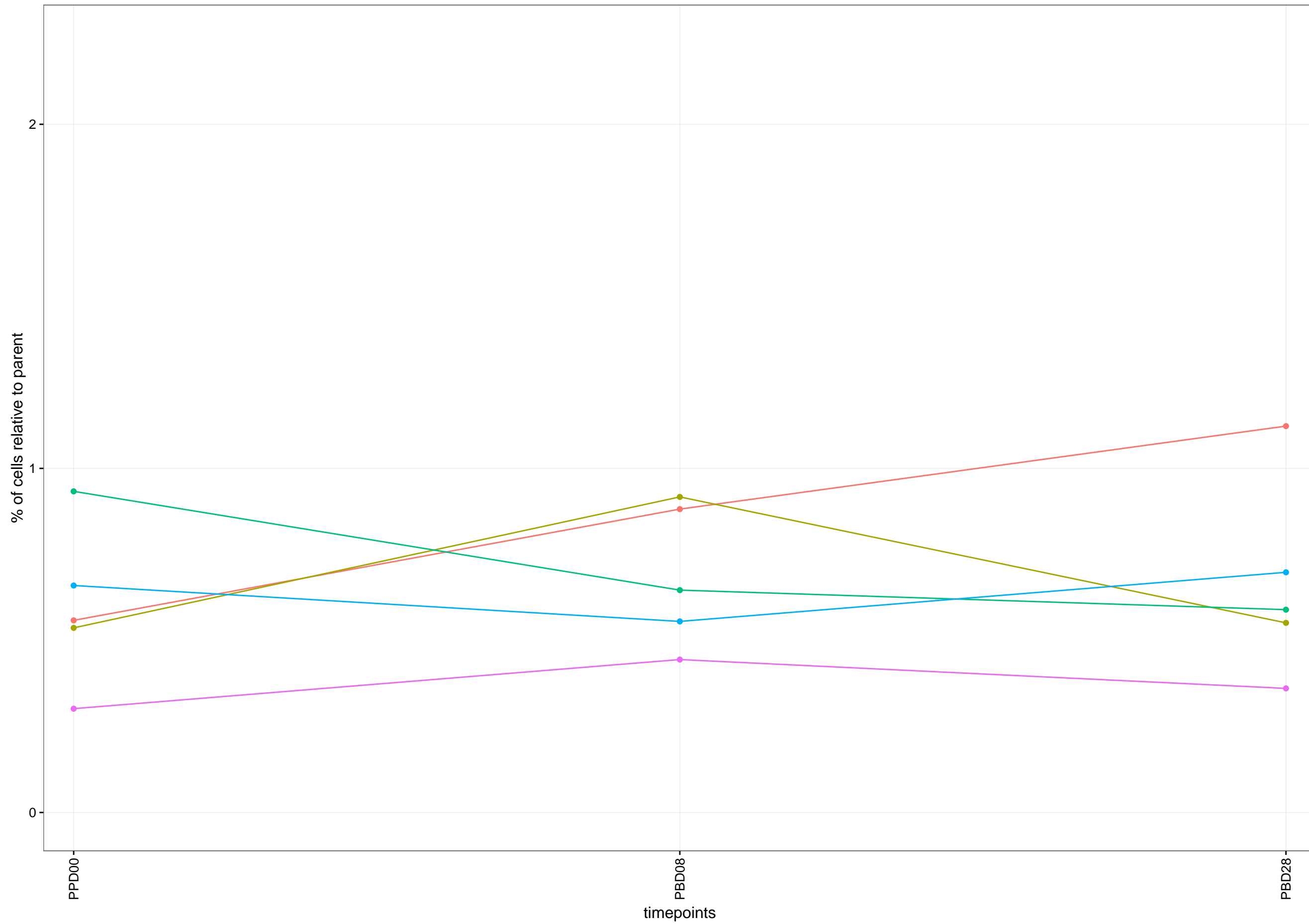
Pheno Viewer – cluster: 23 (2 828 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



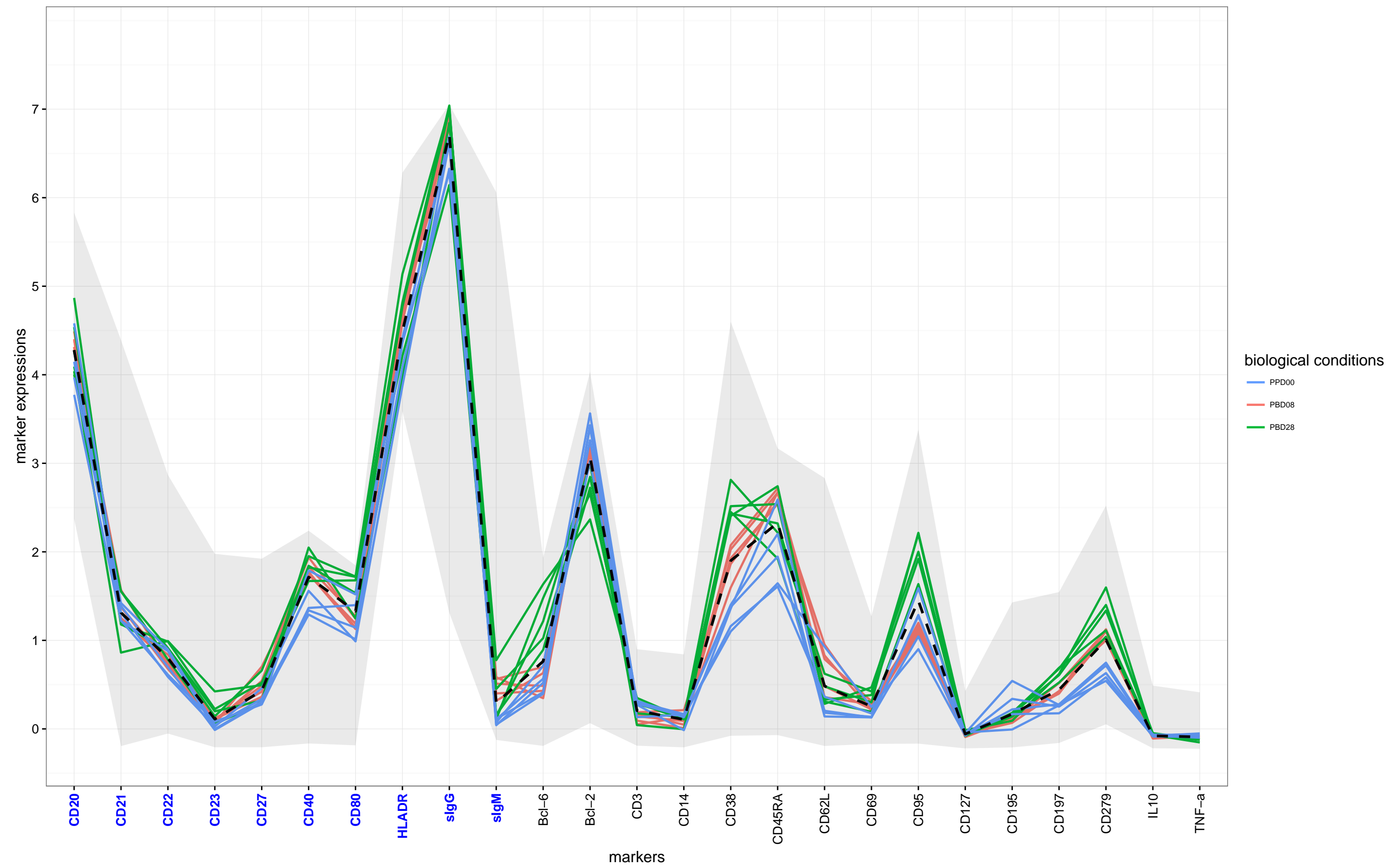


Kinetics Viewer – cluster: 24 (1 330 cells)

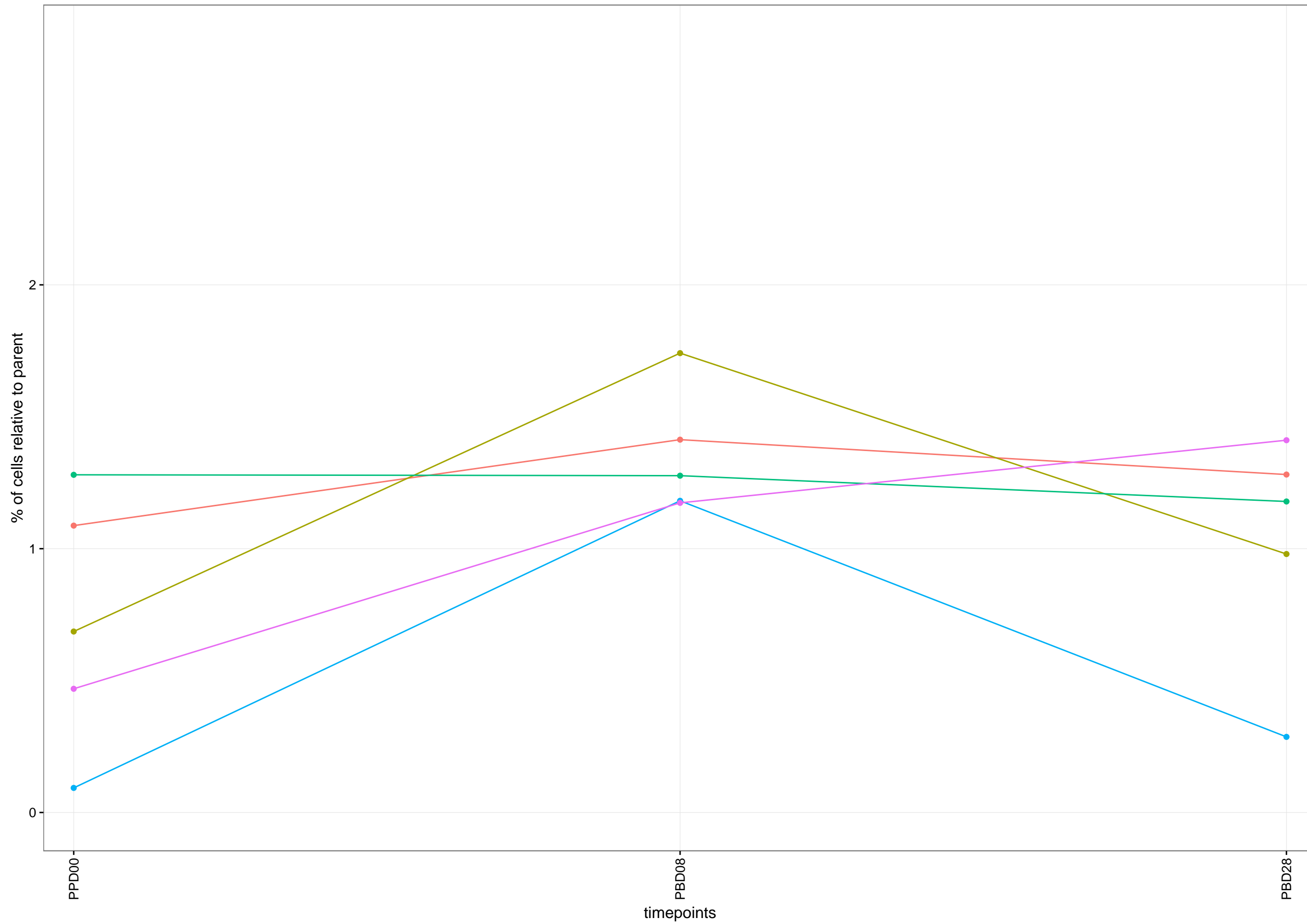


Pheno Viewer – cluster: 24 (1 330 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

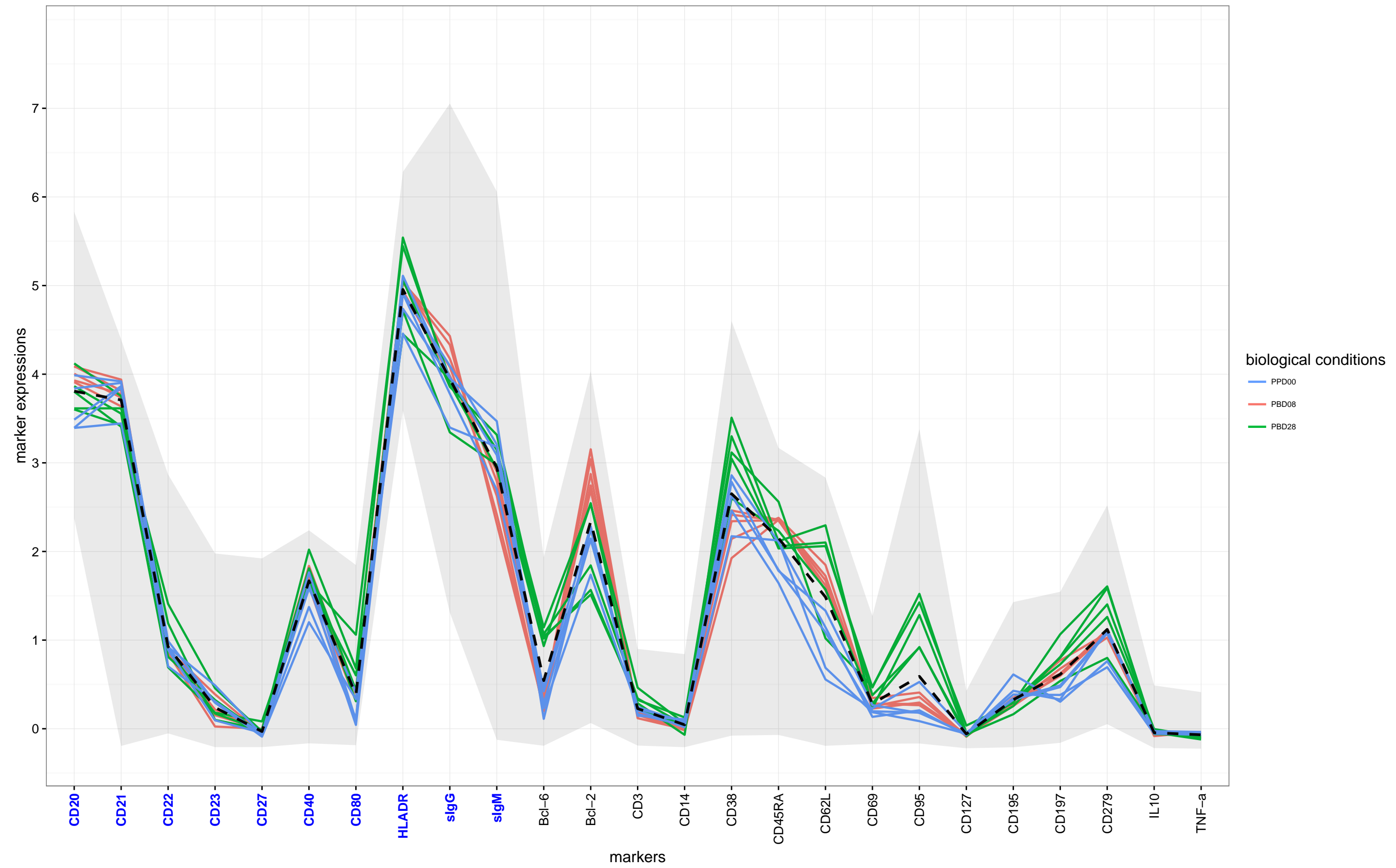


Kinetics Viewer – cluster: 25 (2 421 cells)

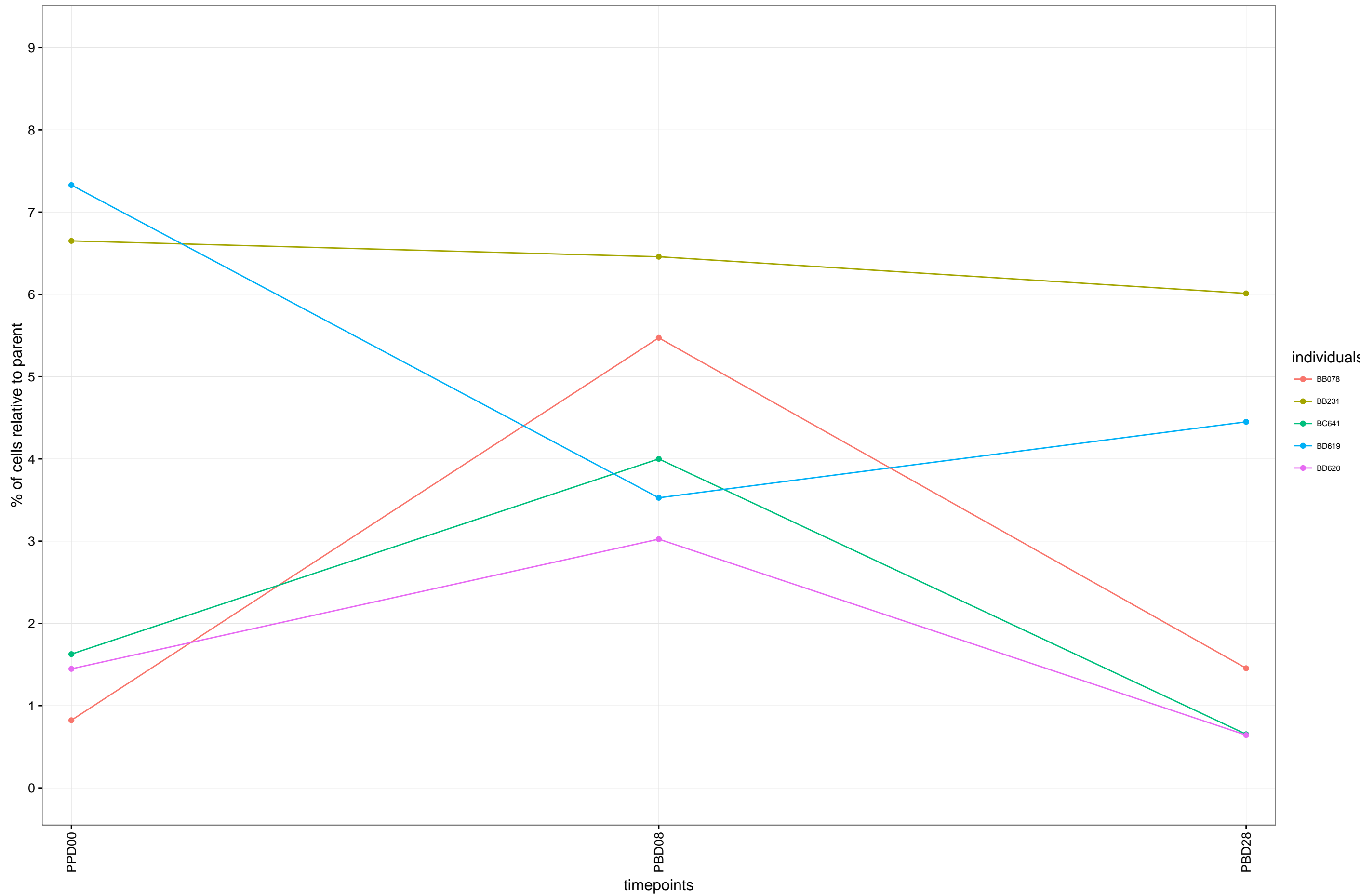


Pheno Viewer – cluster: 25 (2 421 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

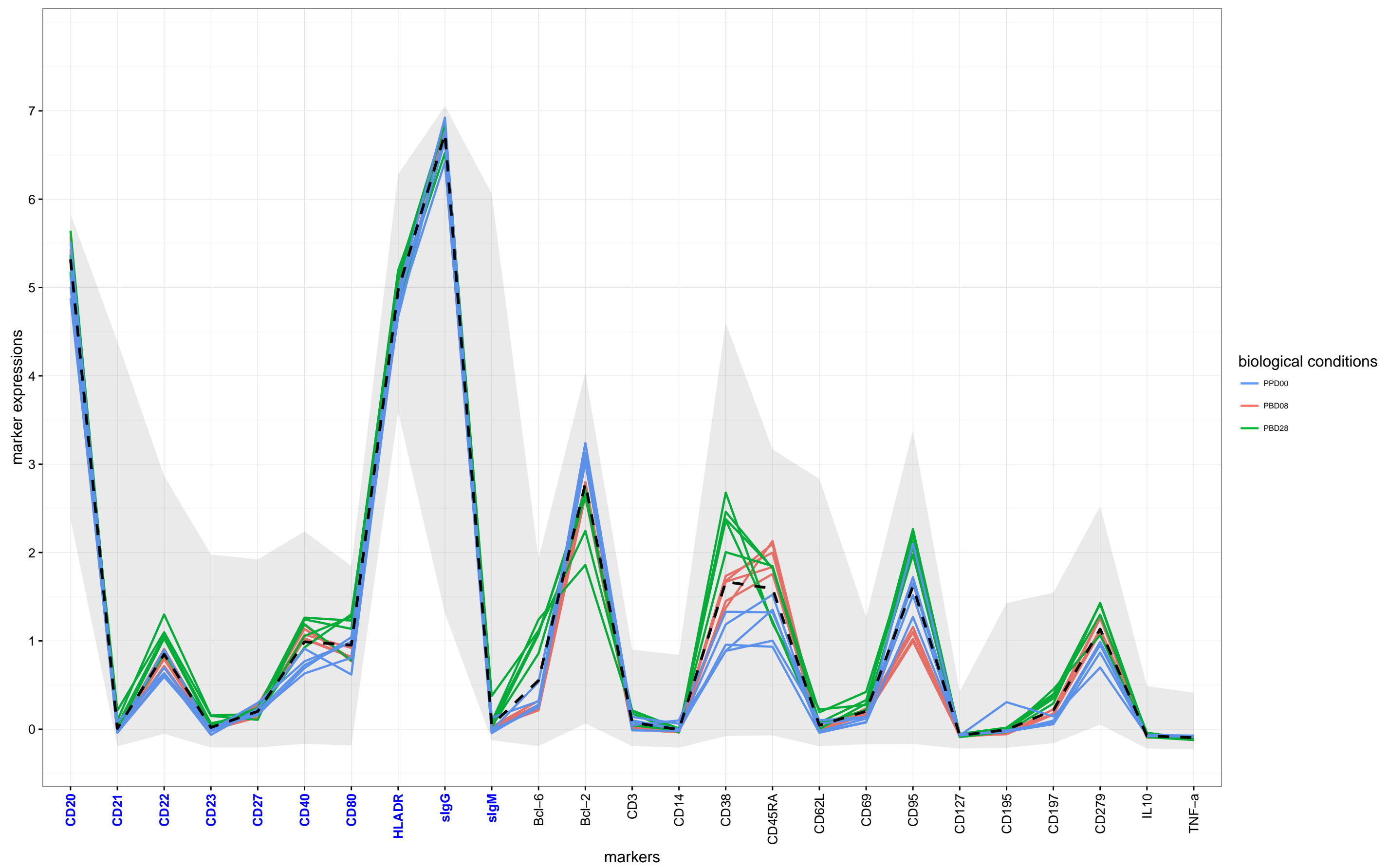


Kinetics Viewer – cluster: 26 (8 029 cells)

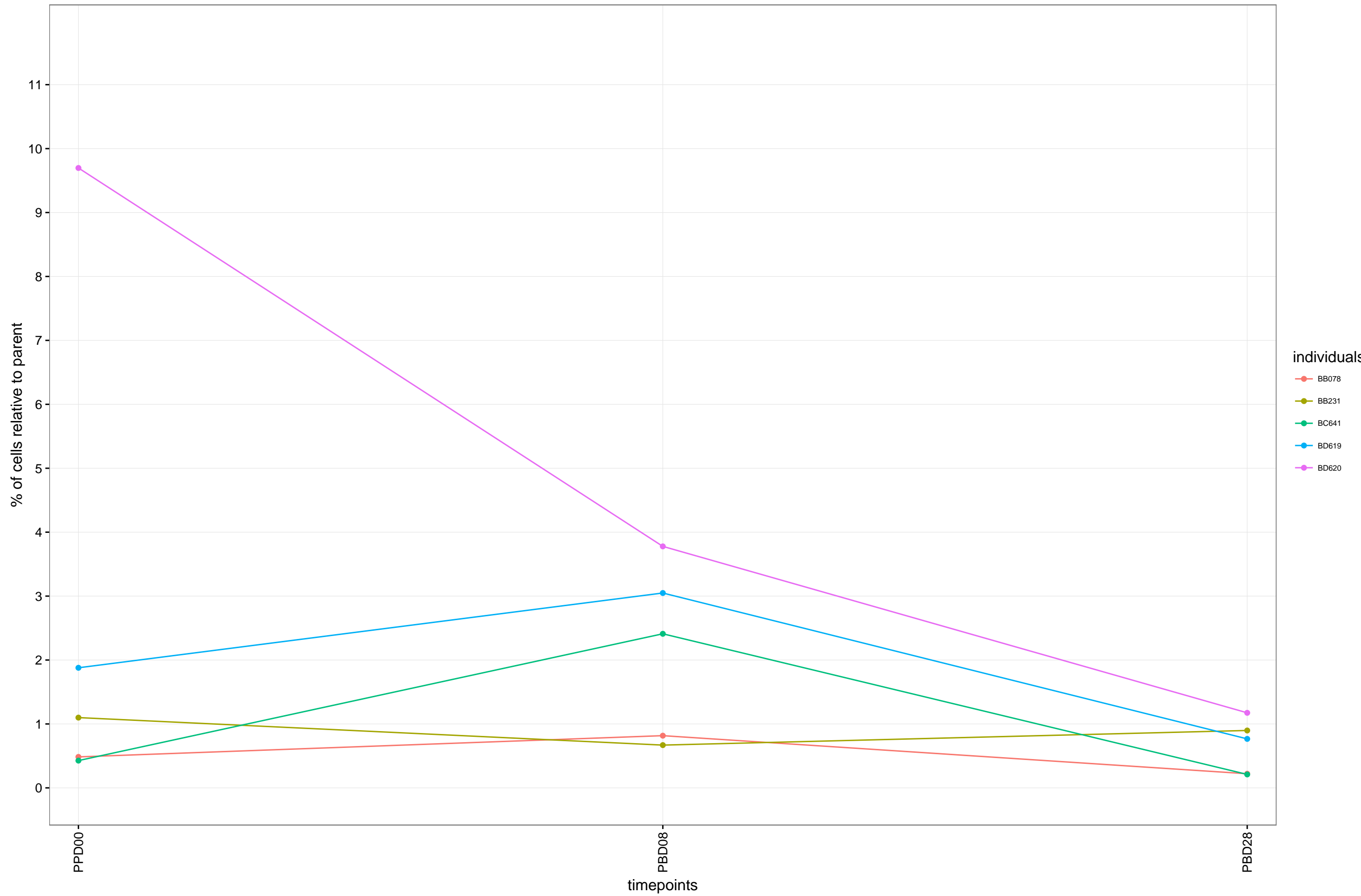


Pheno Viewer – cluster: 26 (8 029 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

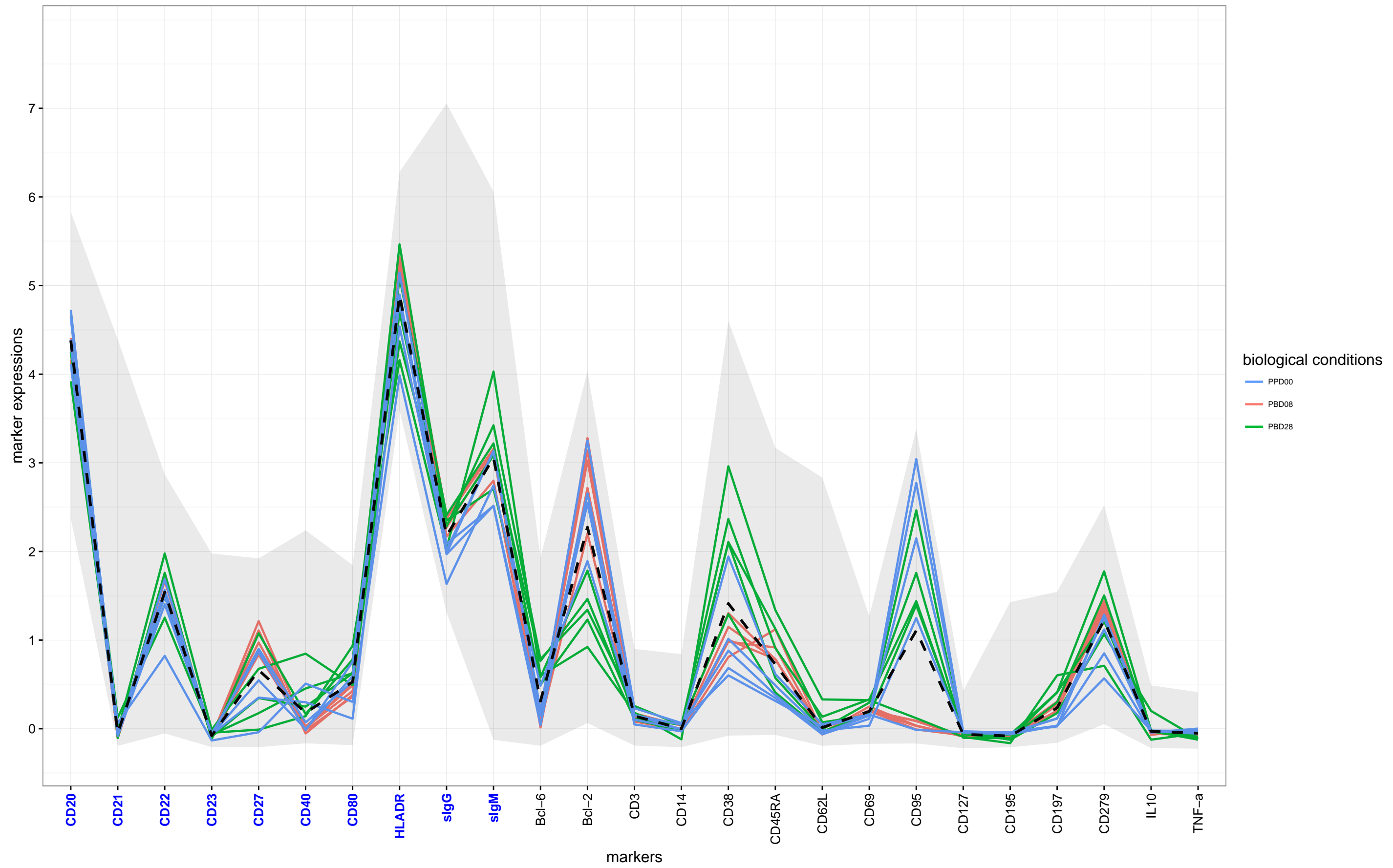


Kinetics Viewer – cluster: 27 (5 788 cells)

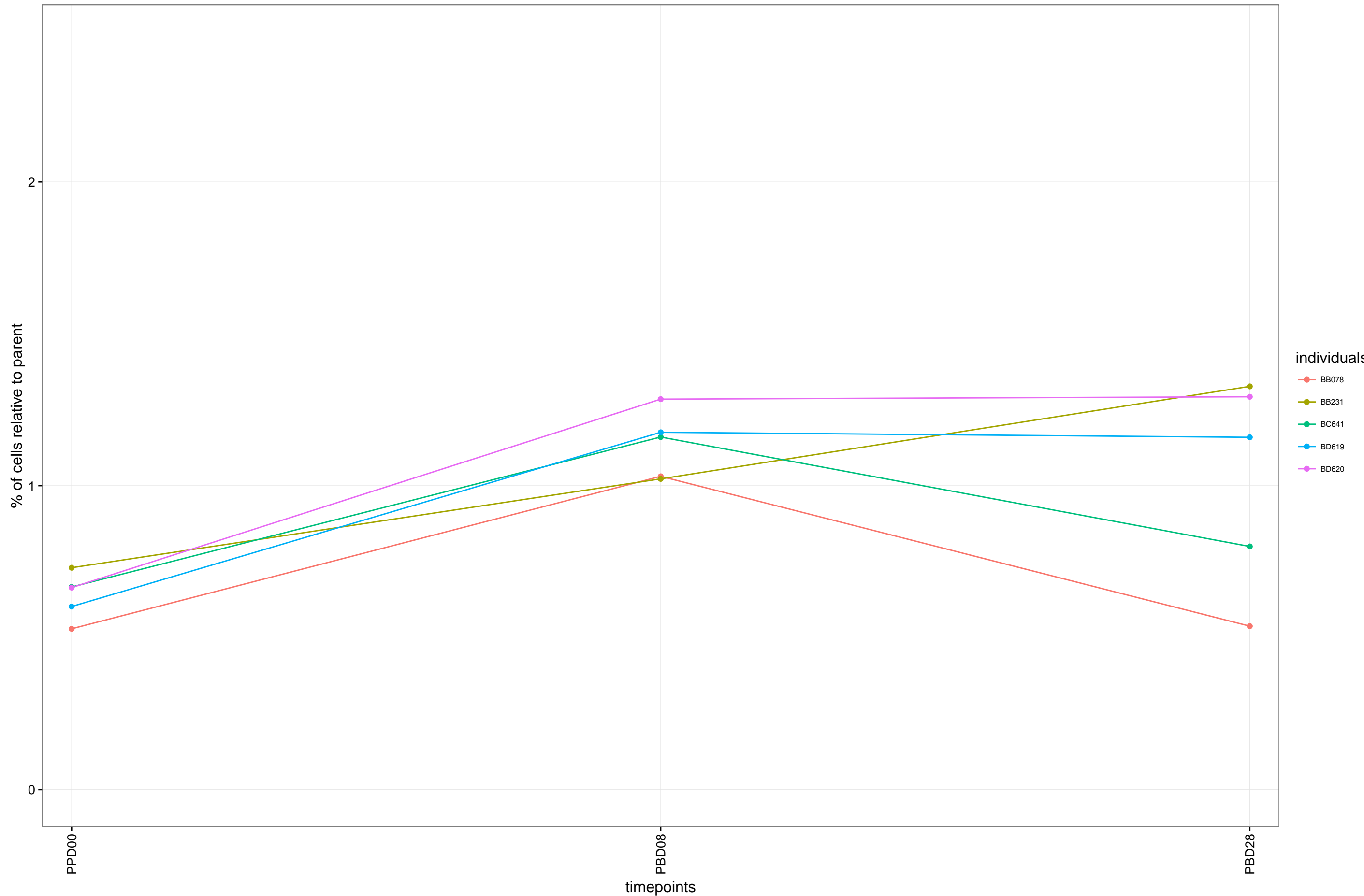


Pheno Viewer – cluster: 27 (5 788 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

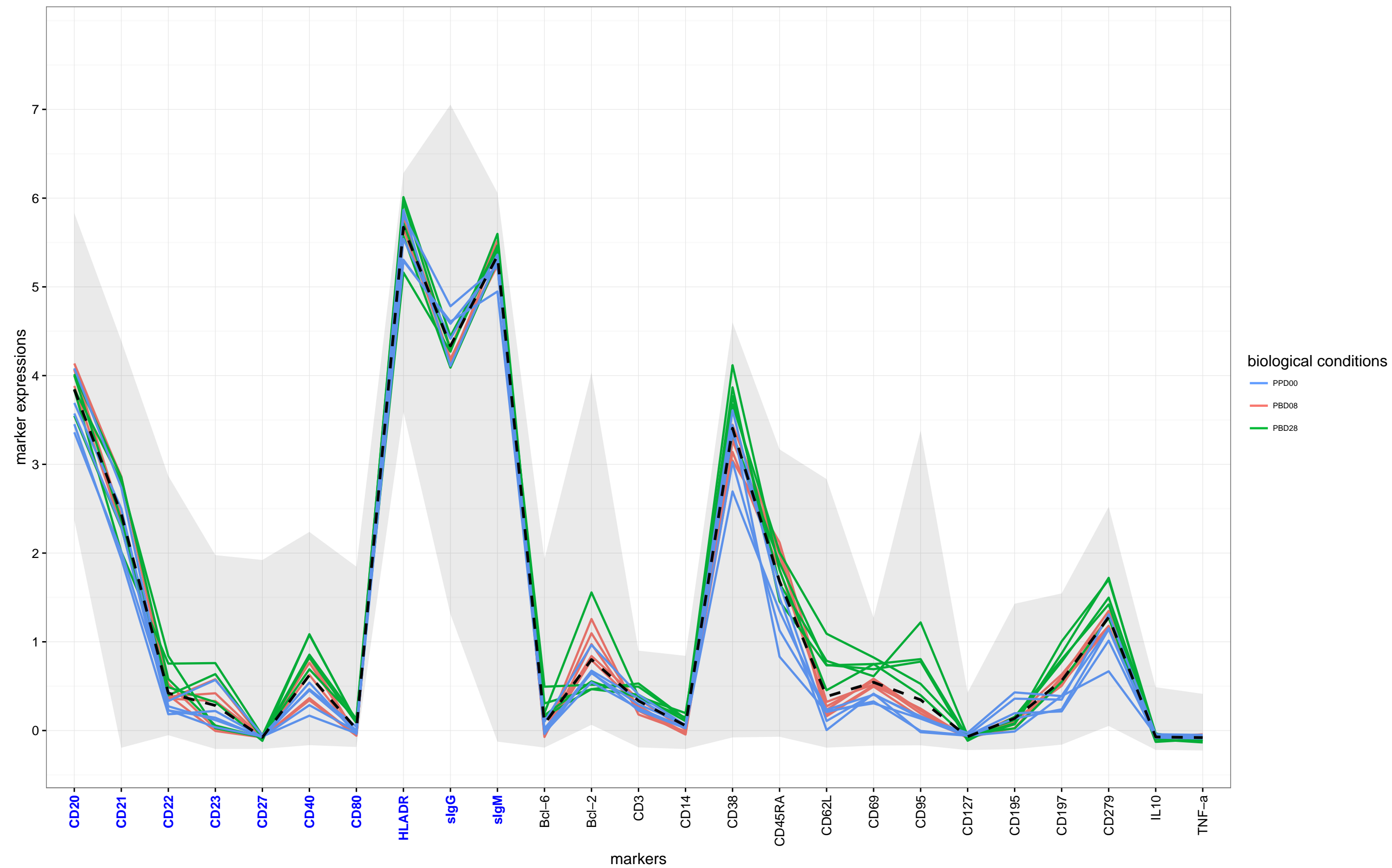


Kinetics Viewer – cluster: 28 (2 382 cells)



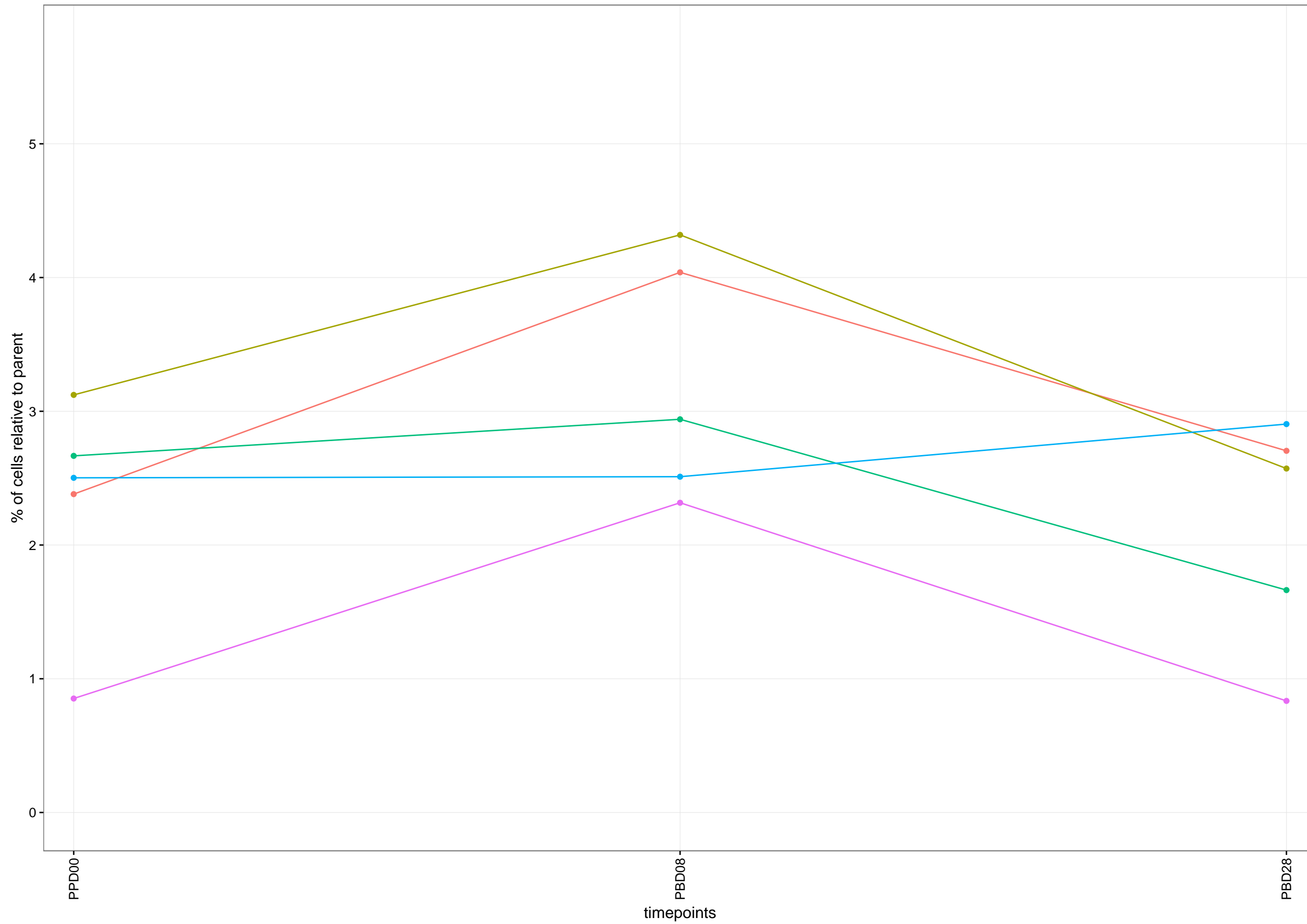
Pheno Viewer – cluster: 28 (2 382 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



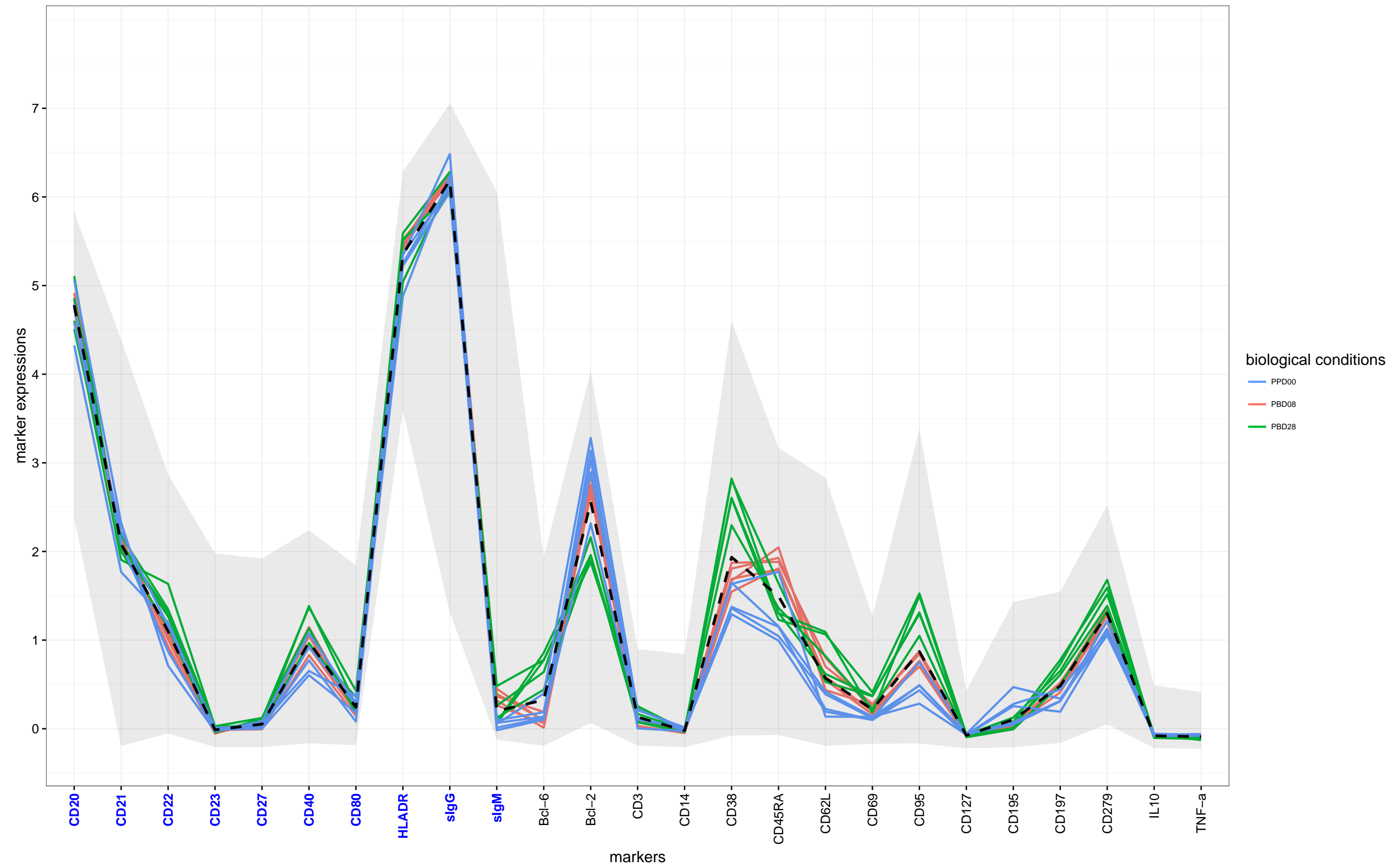


Kinetics Viewer – cluster: 29 (5 427 cells)



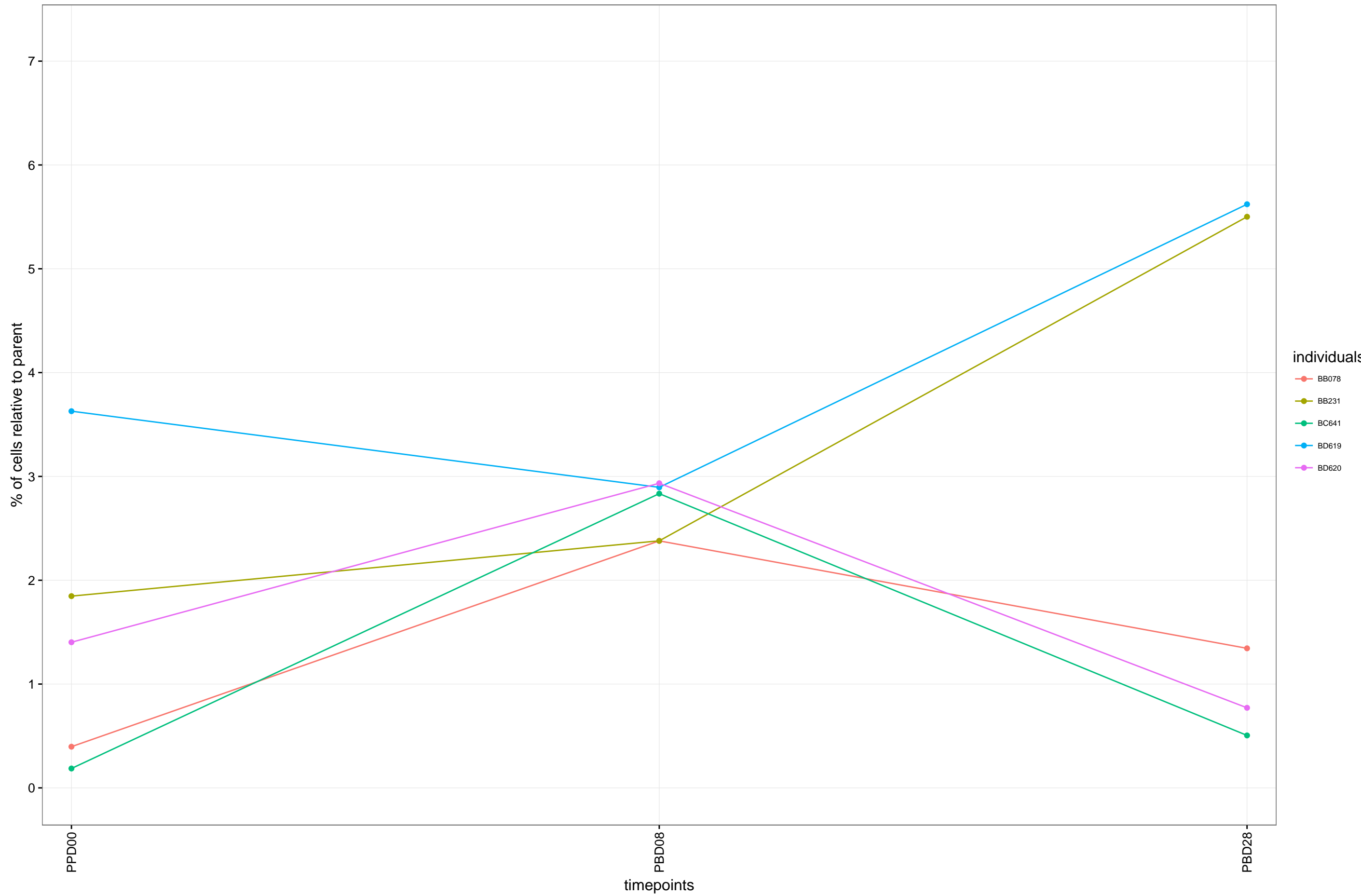
Pheno Viewer – cluster: 29 (5 427 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



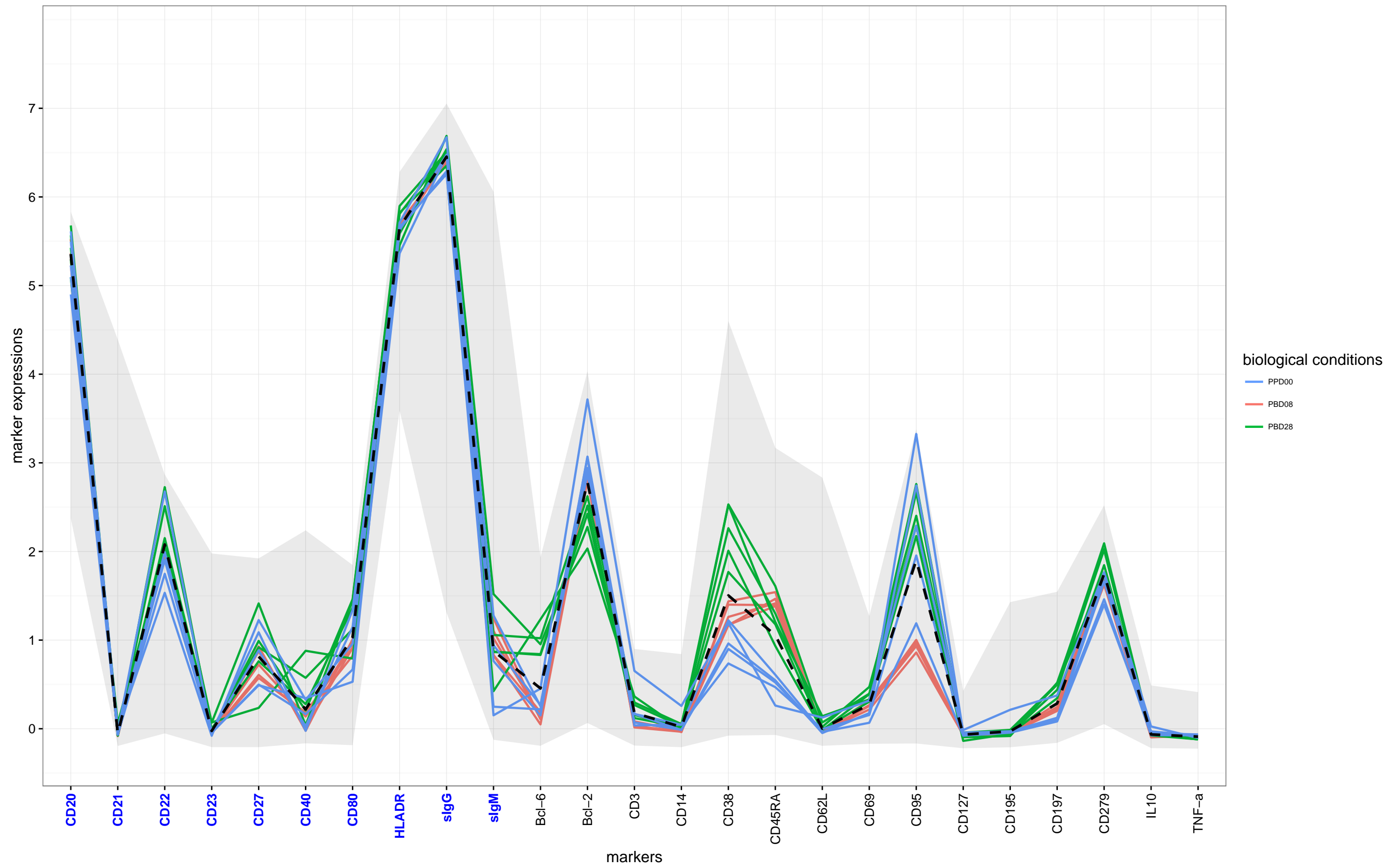


Kinetics Viewer – cluster: 30 (5 558 cells)

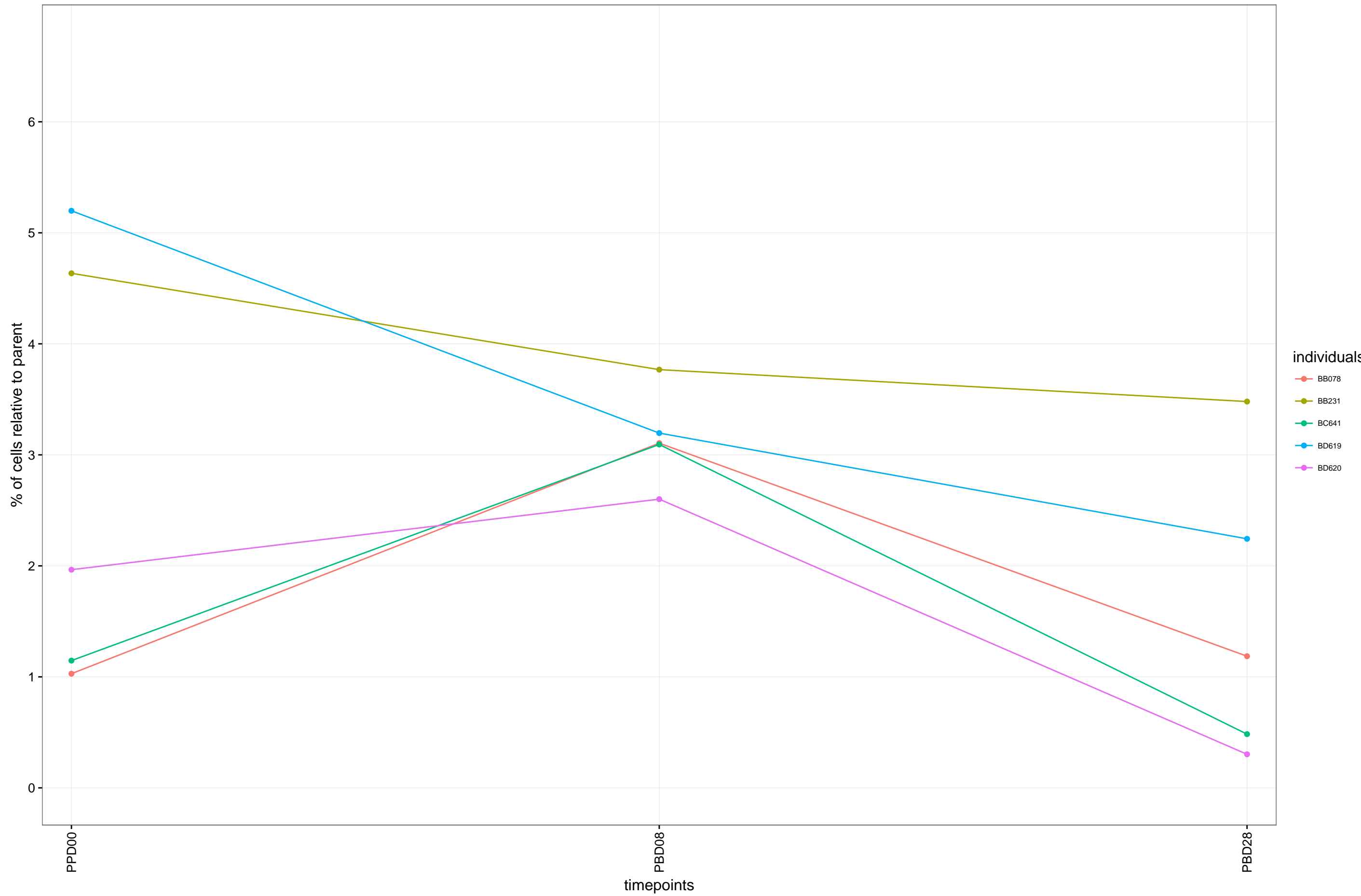


Pheno Viewer – cluster: 30 (5 558 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

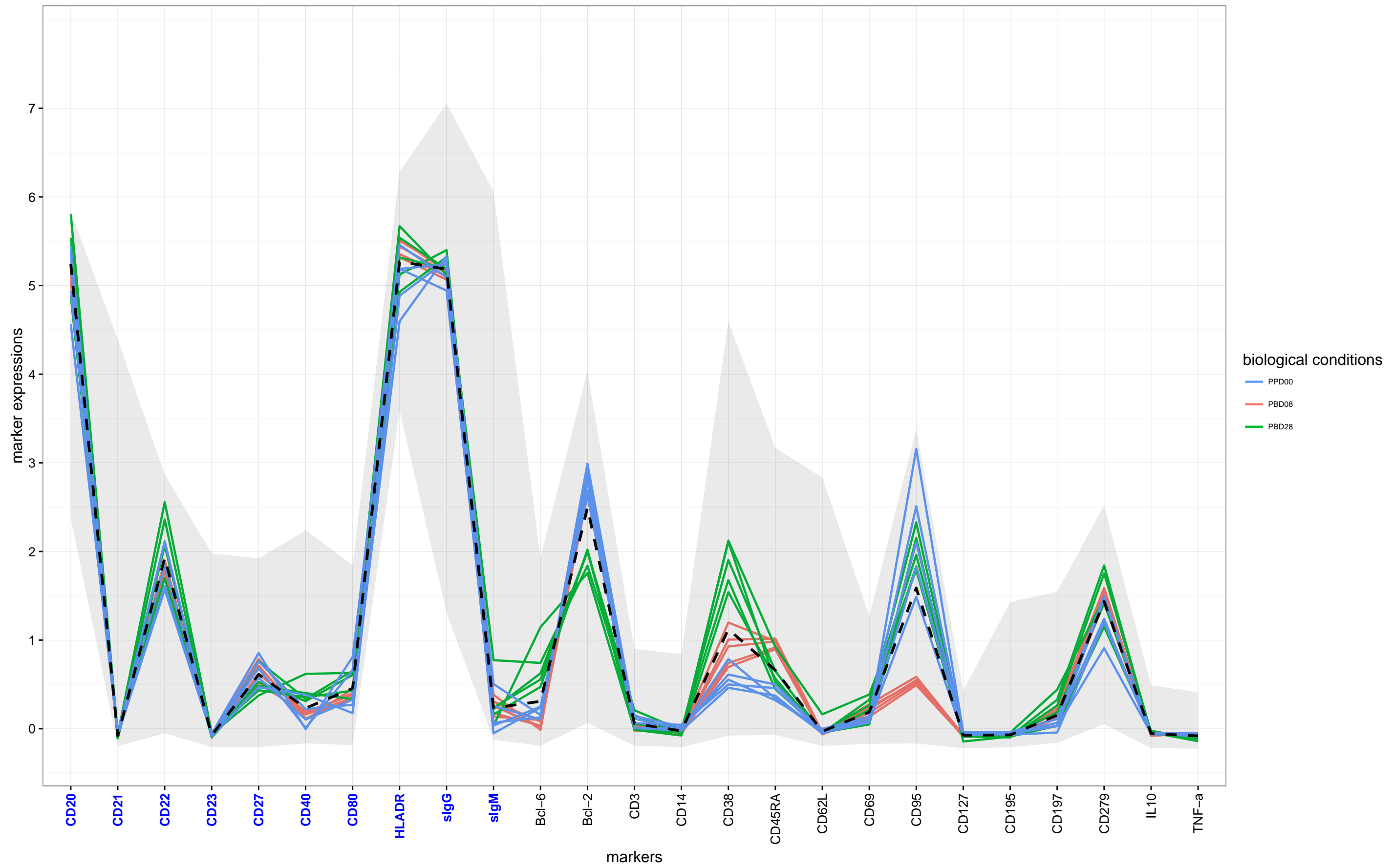


Kinetics Viewer – cluster: 31 (5 722 cells)

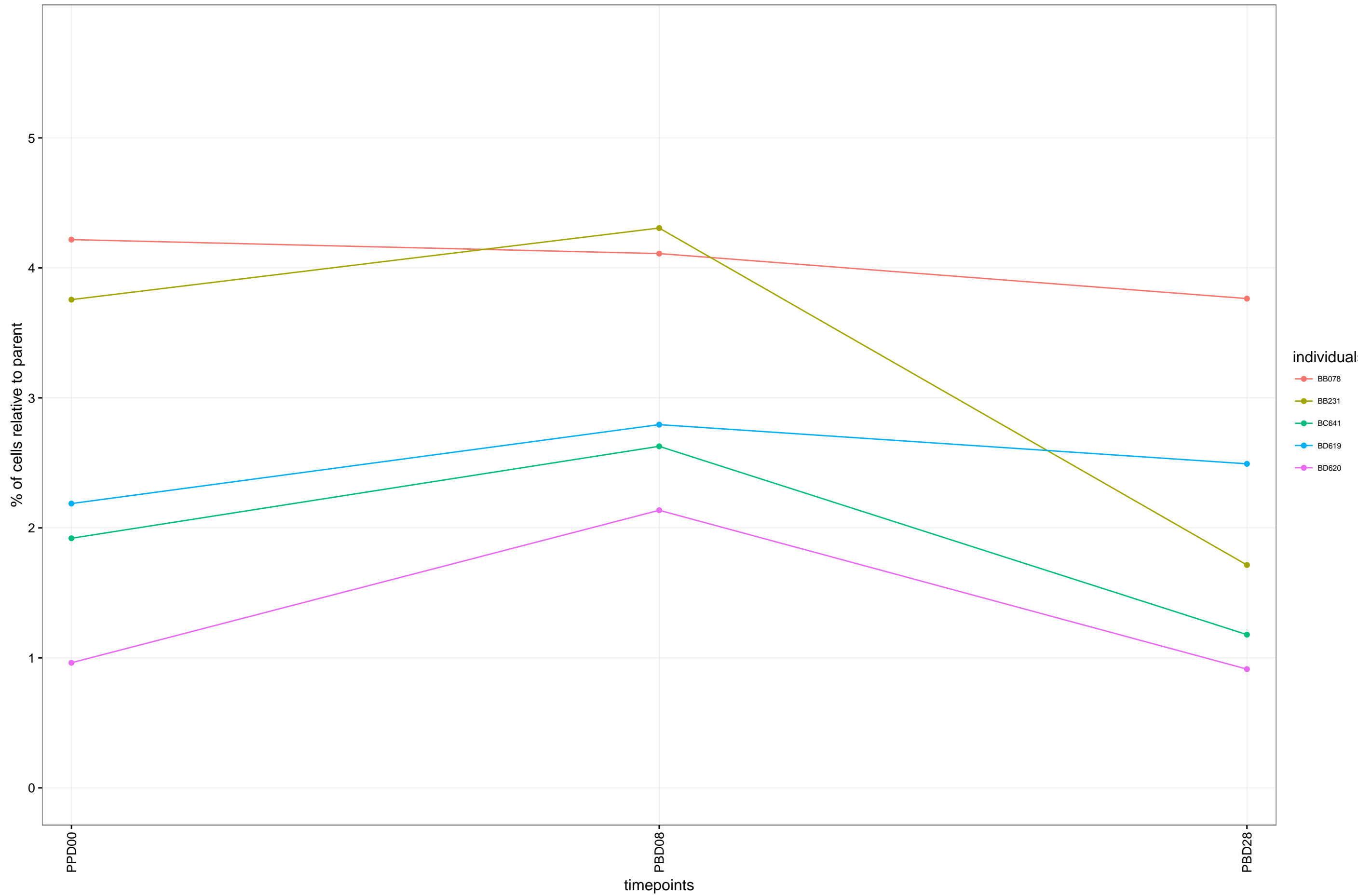


Pheno Viewer – cluster: 31 (5 722 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

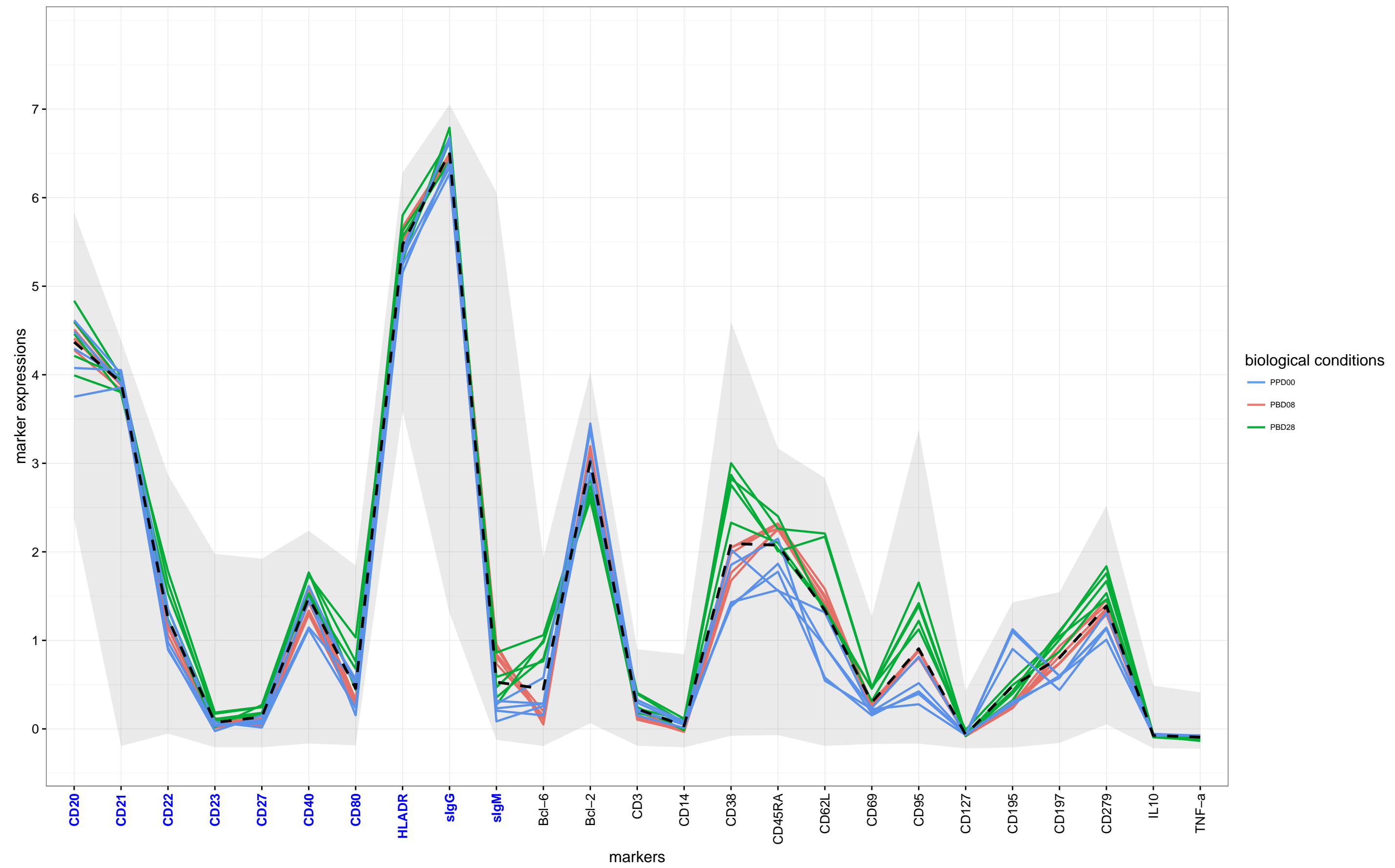


Kinetics Viewer – cluster: 32 (5 449 cells)

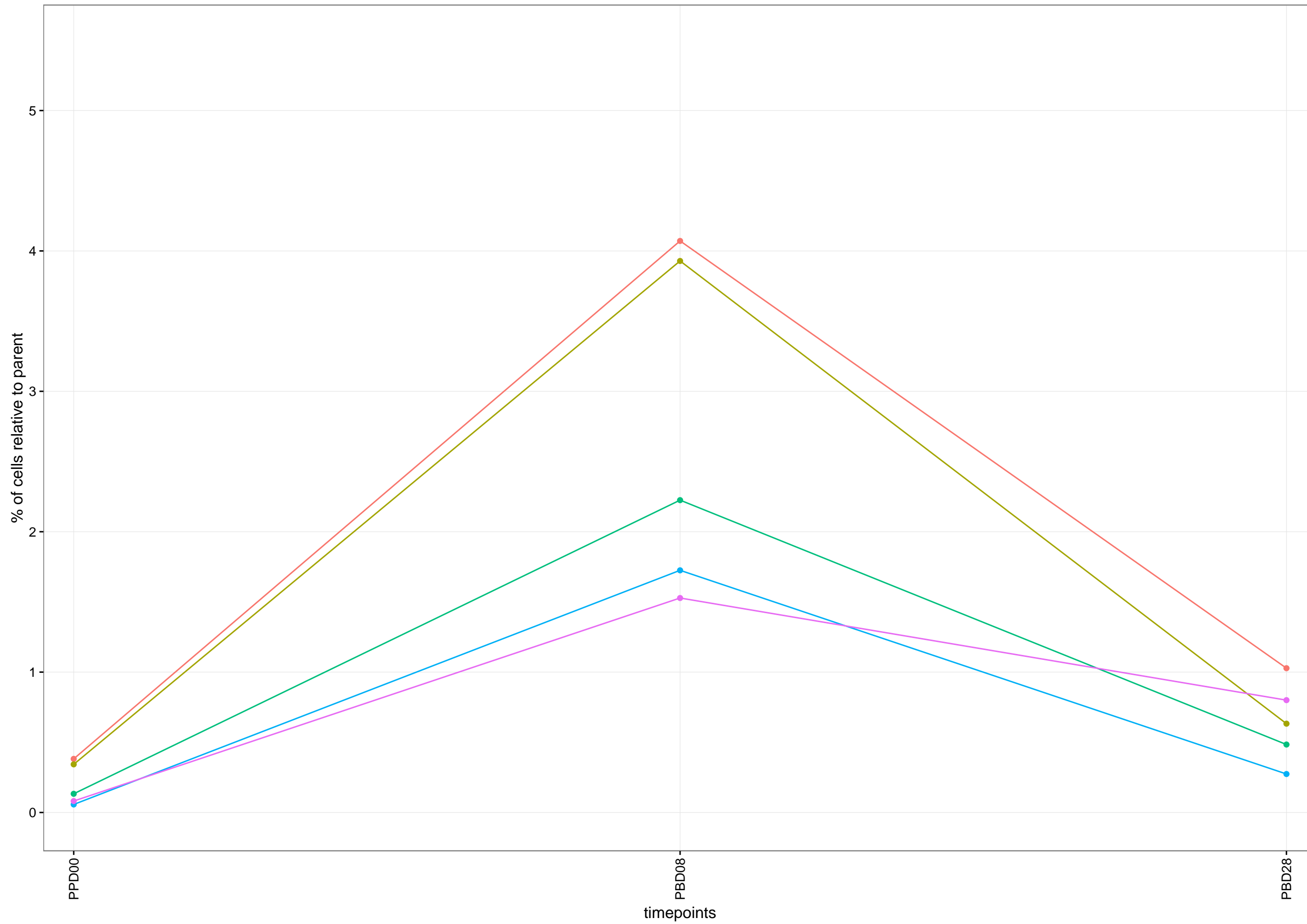


Pheno Viewer – cluster: 32 (5 449 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

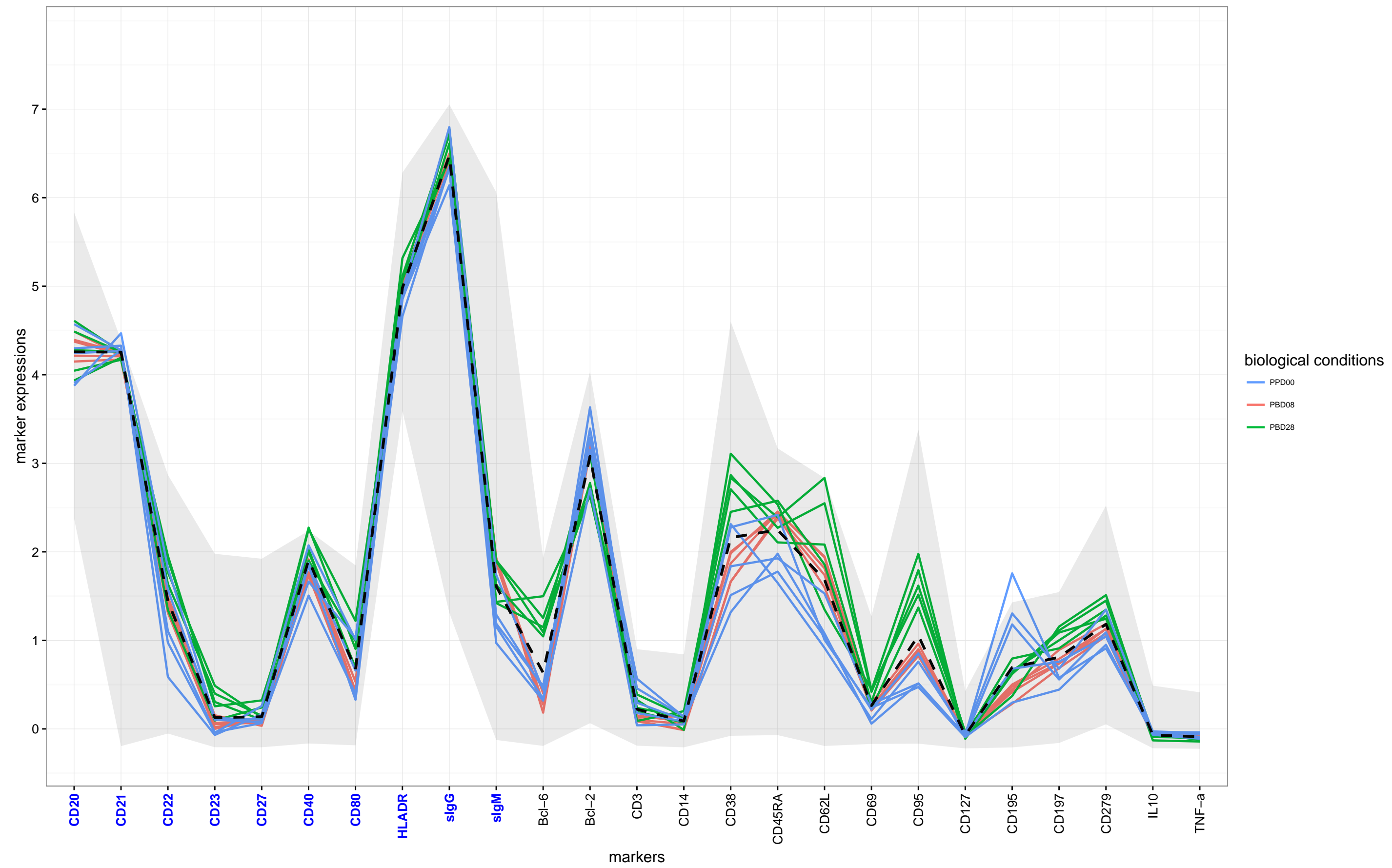


Kinetics Viewer – cluster: 33 (3 010 cells)

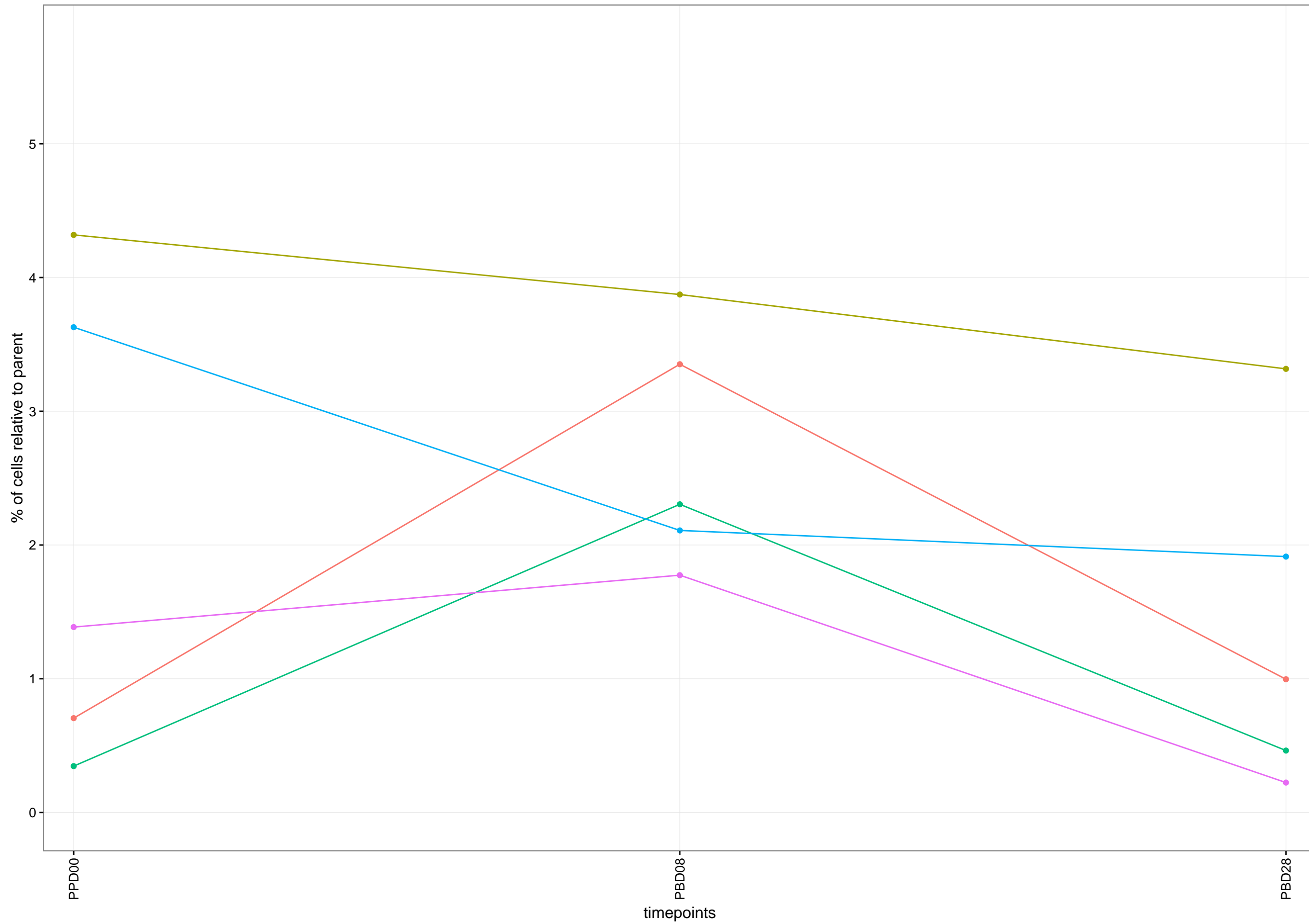


Pheno Viewer – cluster: 33 (3 010 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

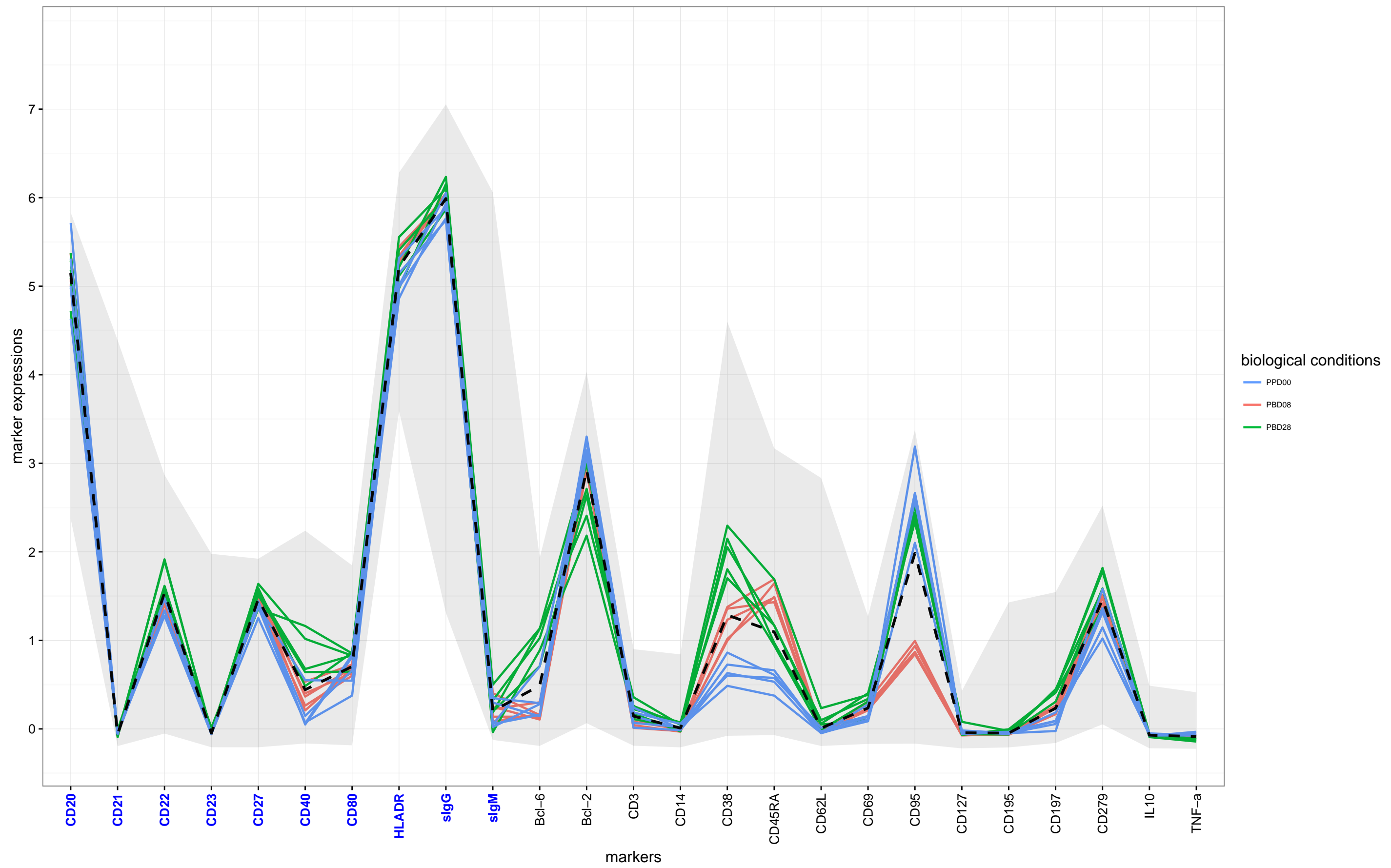


Kinetics Viewer – cluster: 34 (4 645 cells)



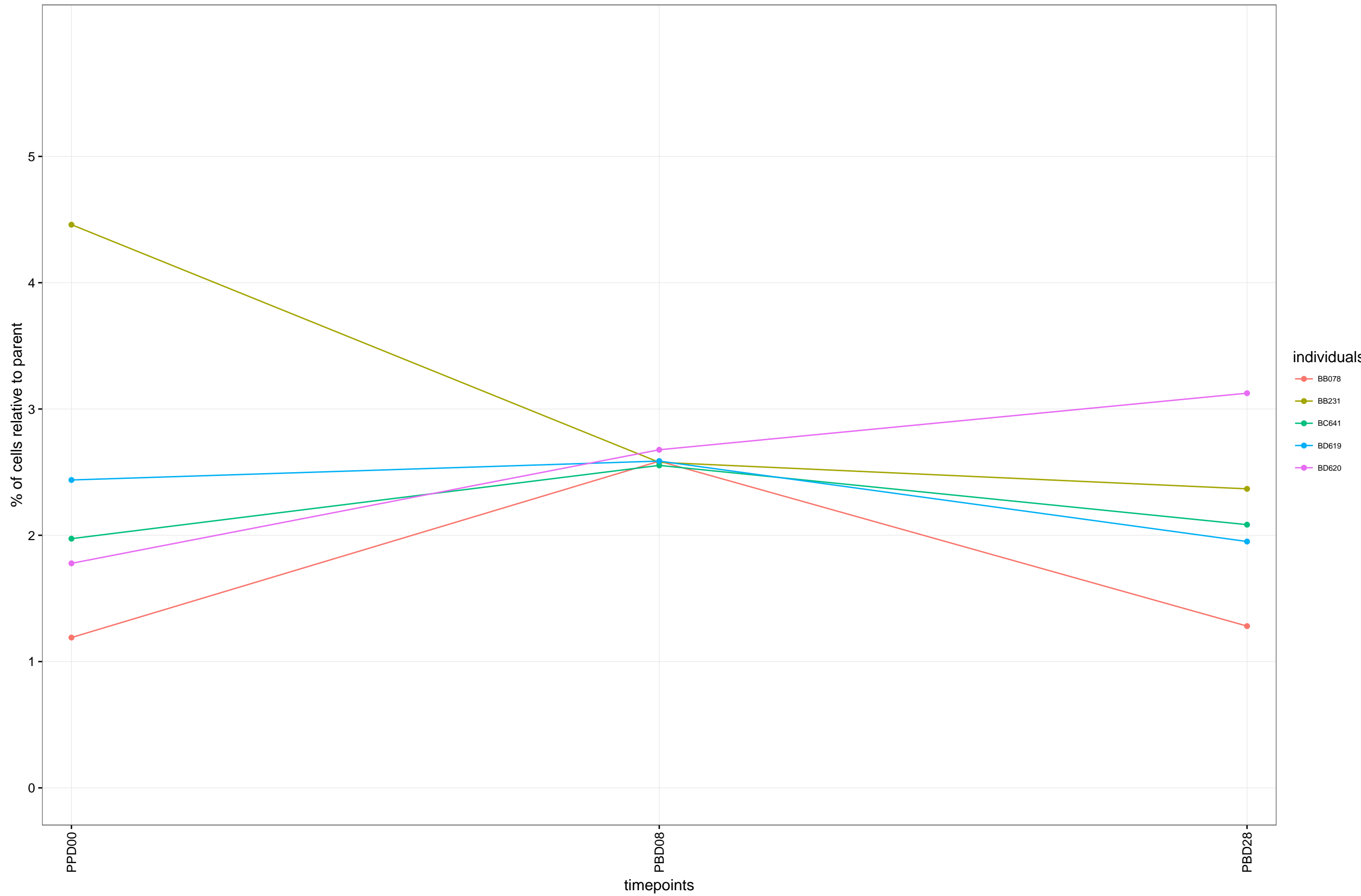
Pheno Viewer – cluster: 34 (4 645 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



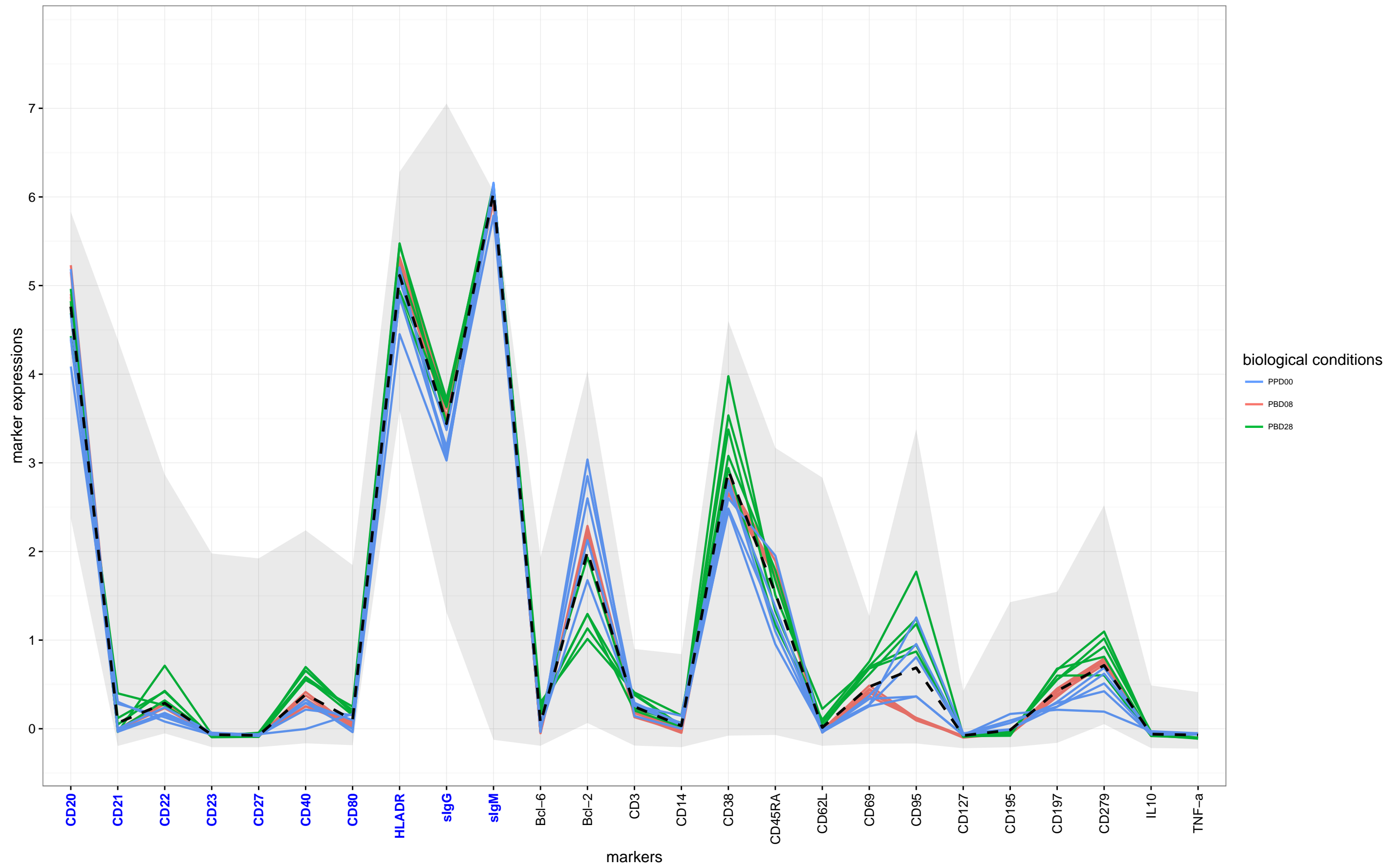


Kinetics Viewer – cluster: 35 (5 856 cells)

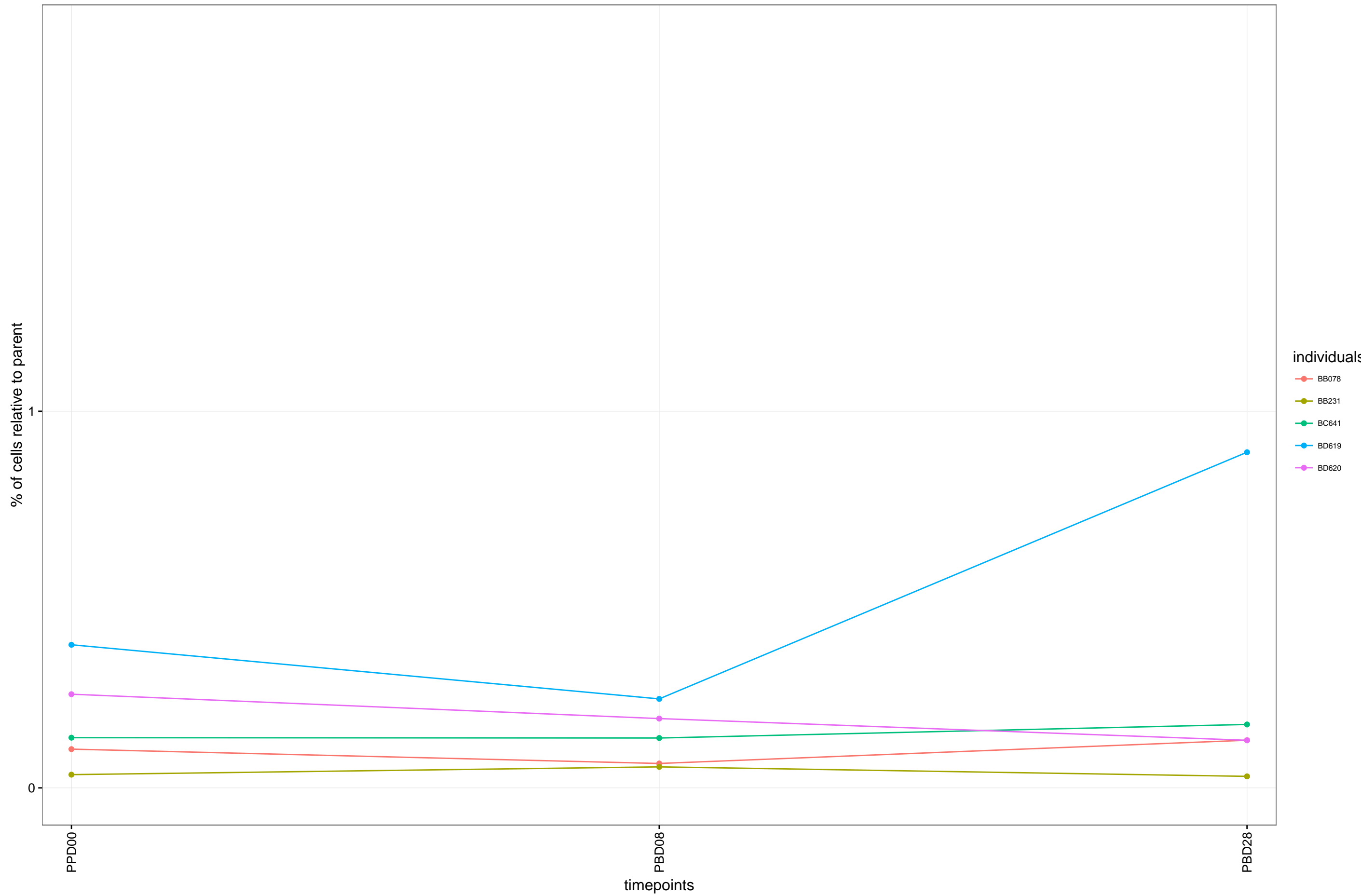


Pheno Viewer – cluster: 35 (5 856 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

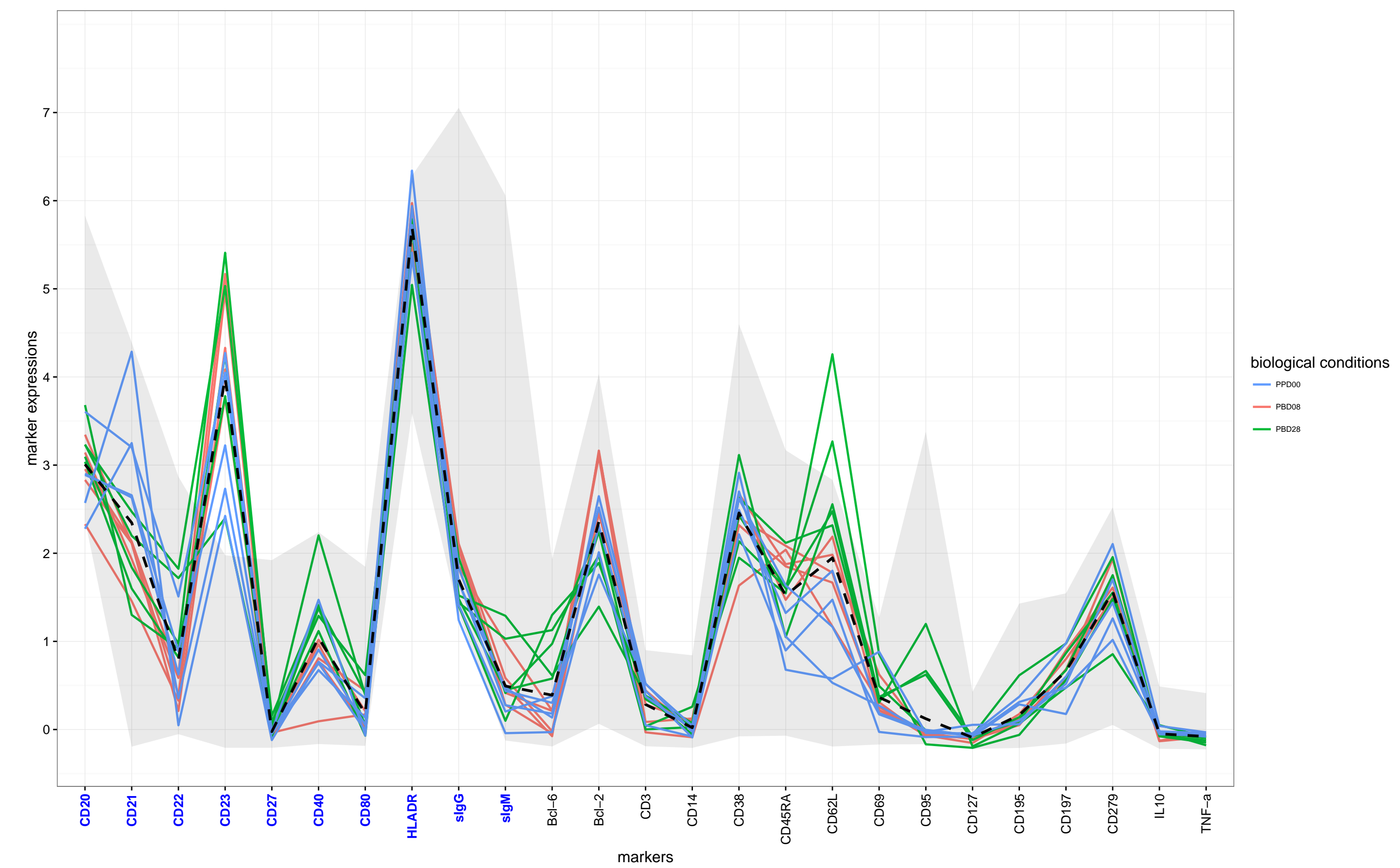


Kinetics Viewer – cluster: 36 (477 cells)

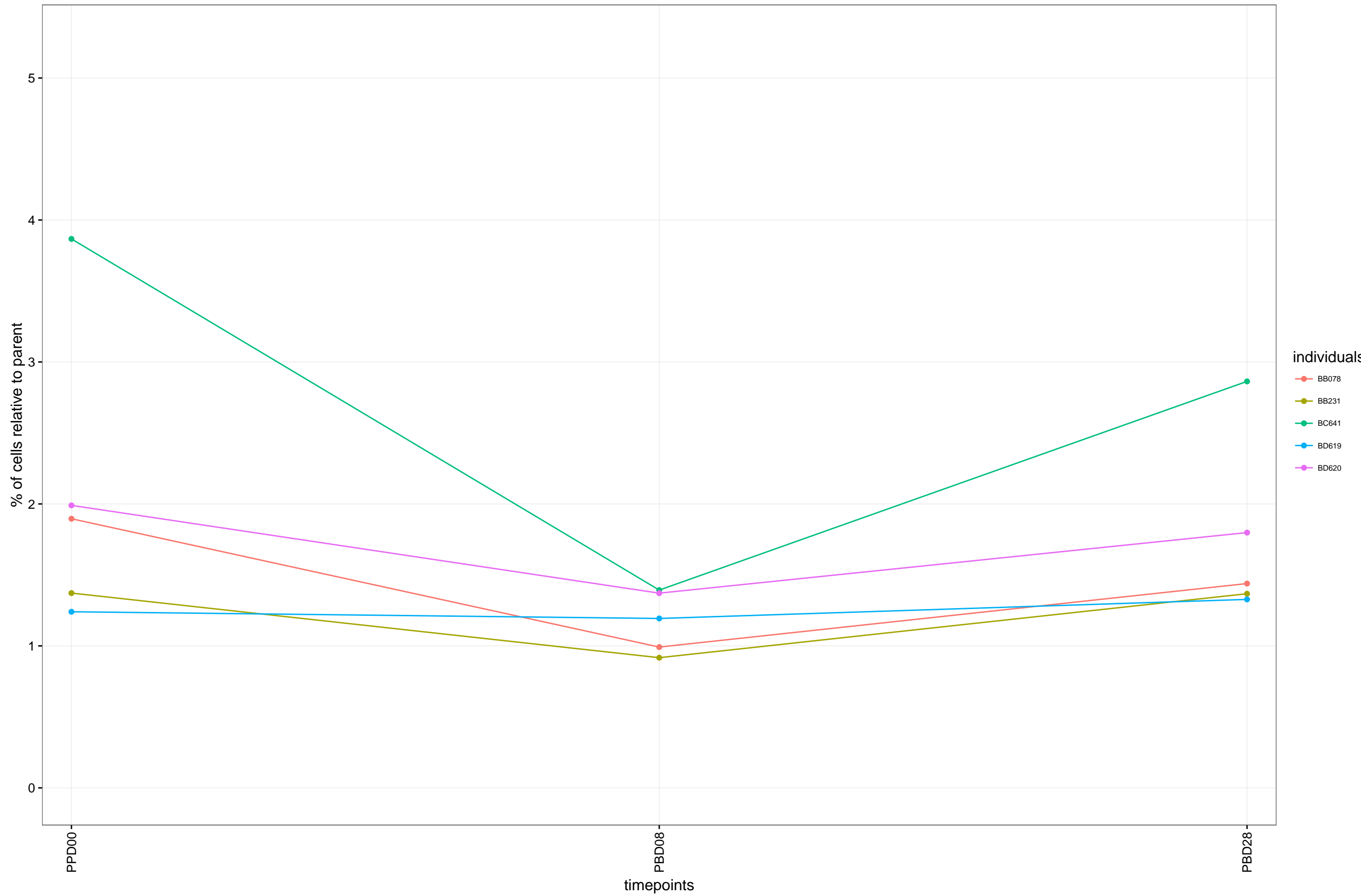


Pheno Viewer – cluster: 36 (477 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

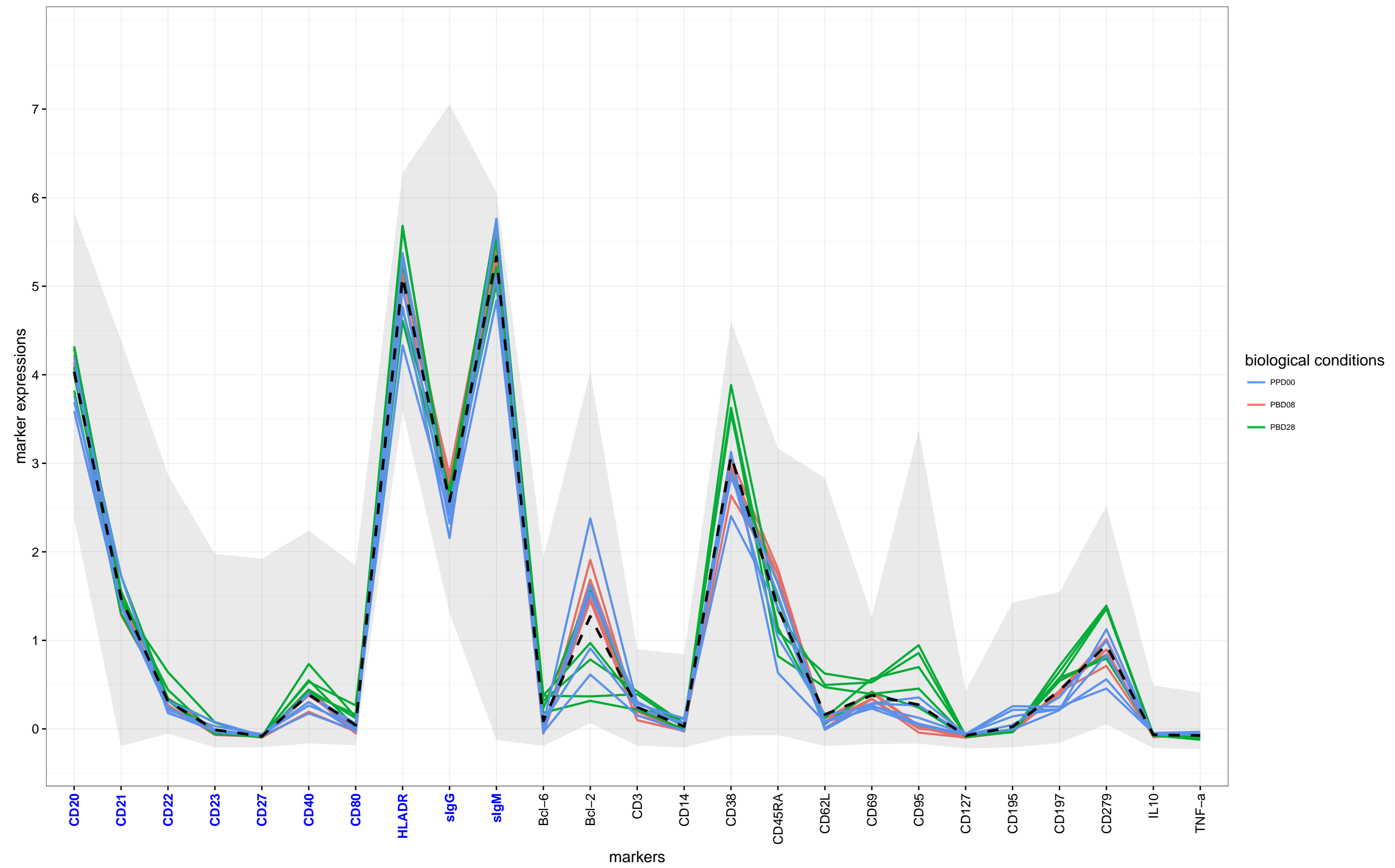


Kinetics Viewer – cluster: 37 (3 509 cells)

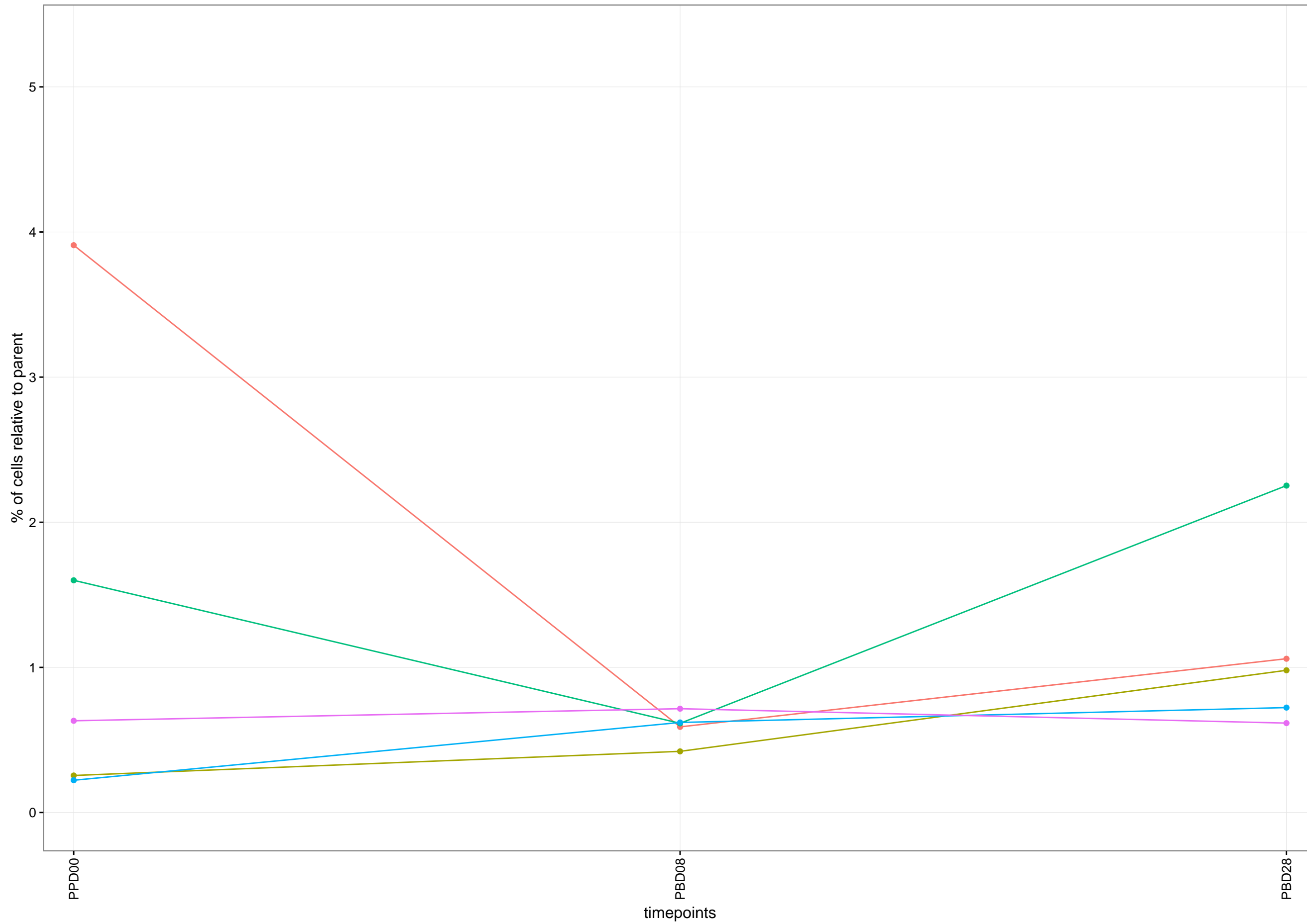


Pheno Viewer – cluster: 37 (3 509 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

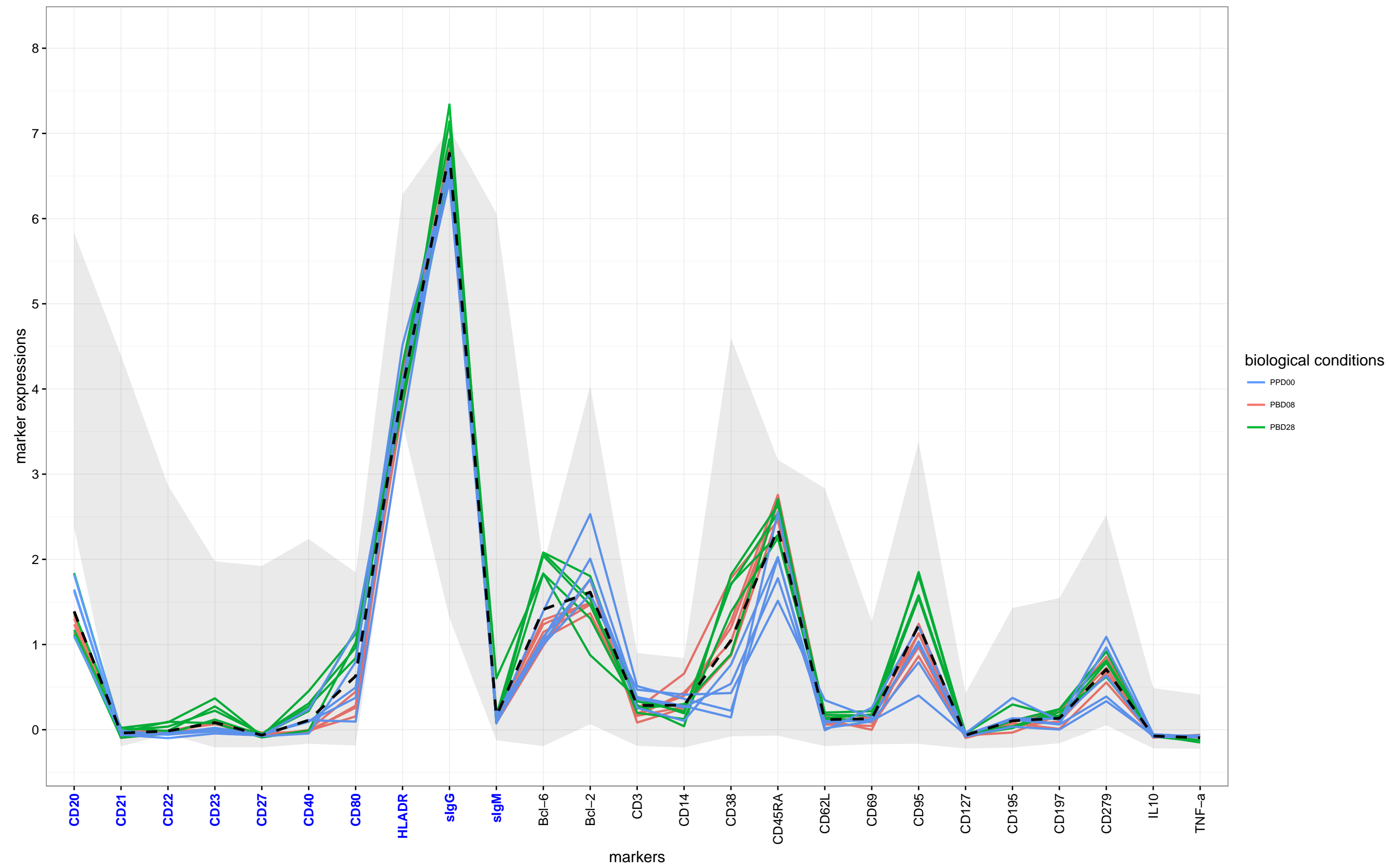


Kinetics Viewer – cluster: 38 (1 747 cells)

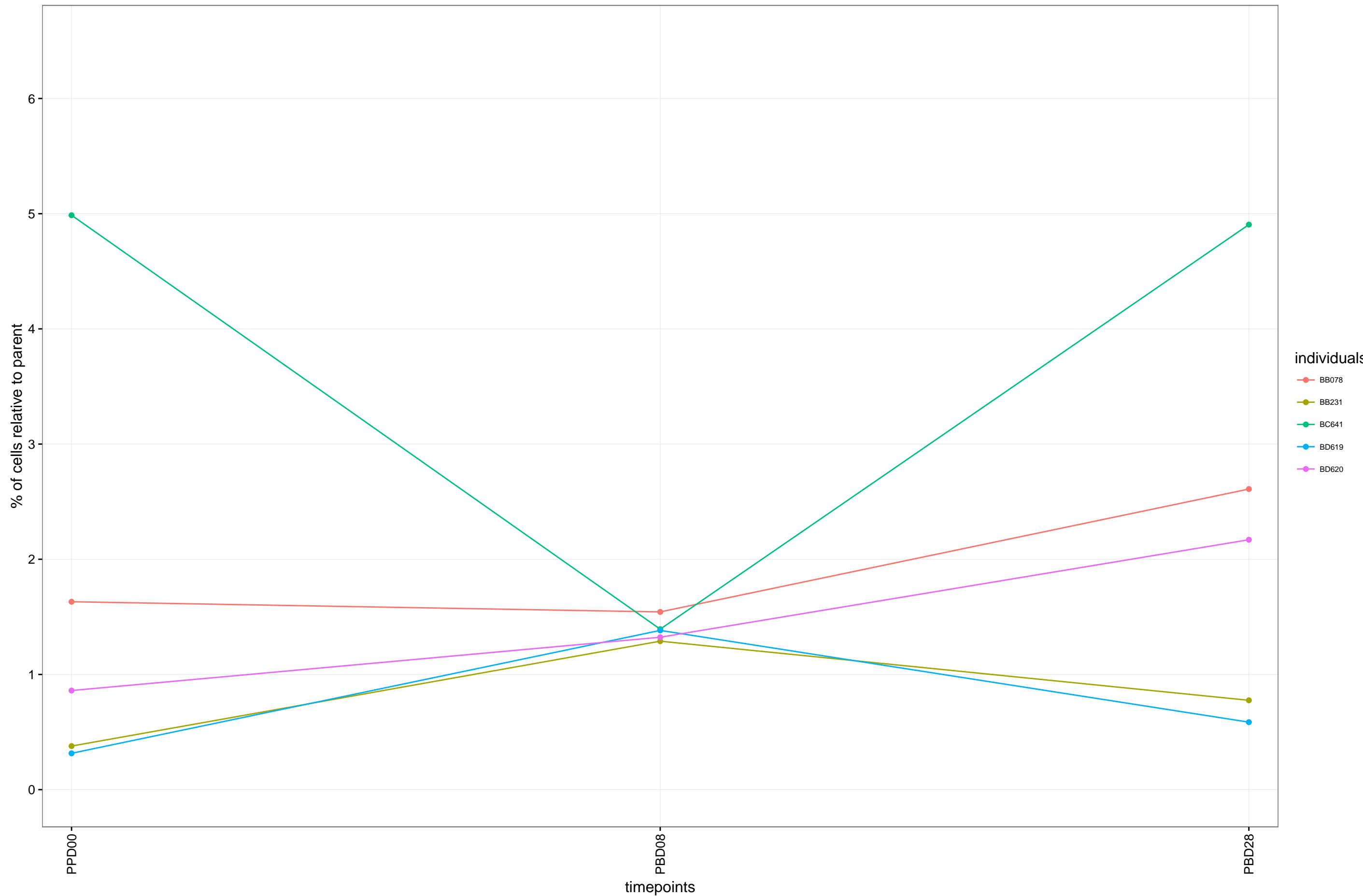


Pheno Viewer – cluster: 38 (1 747 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

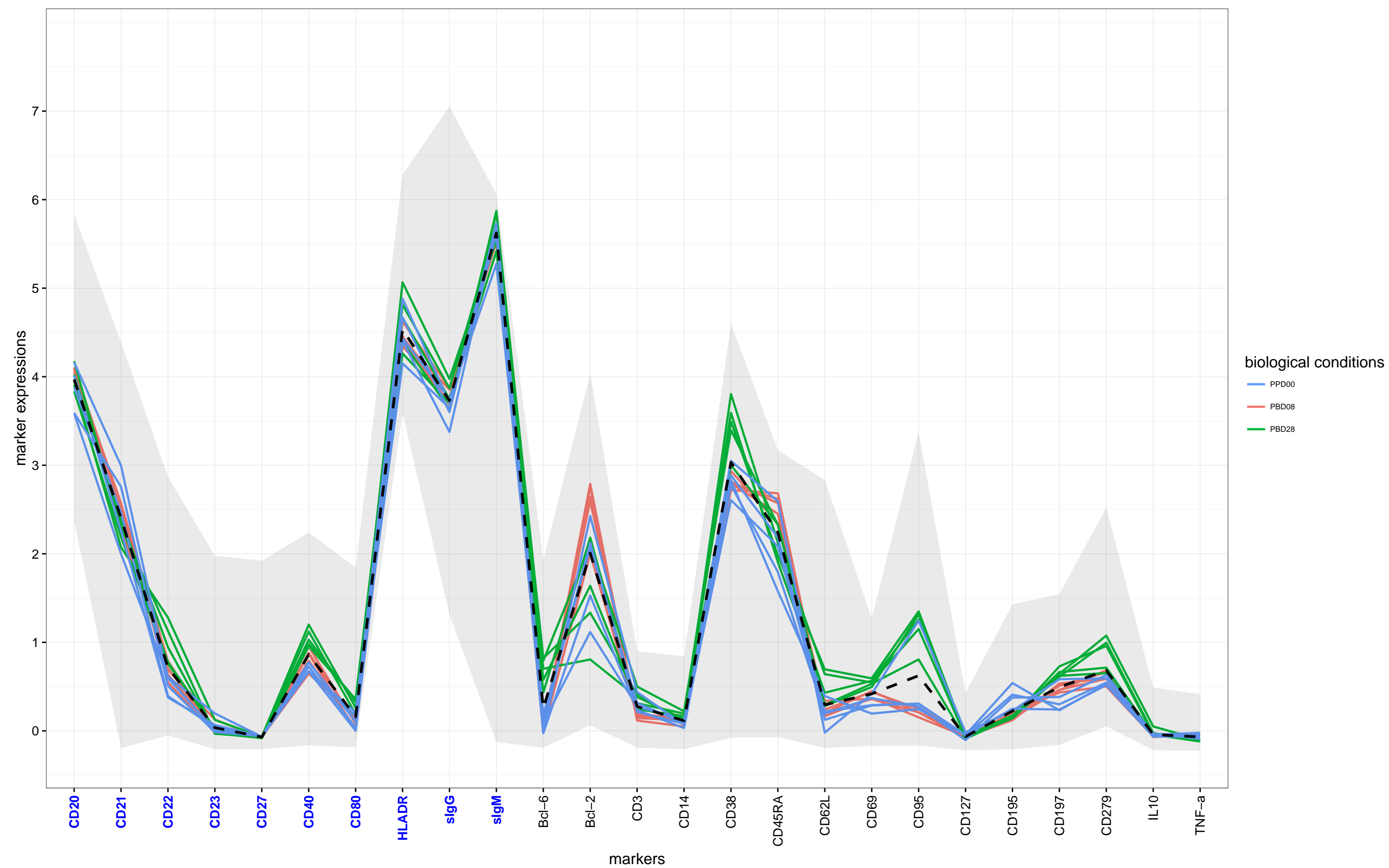


Kinetics Viewer – cluster: 39 (3 312 cells)



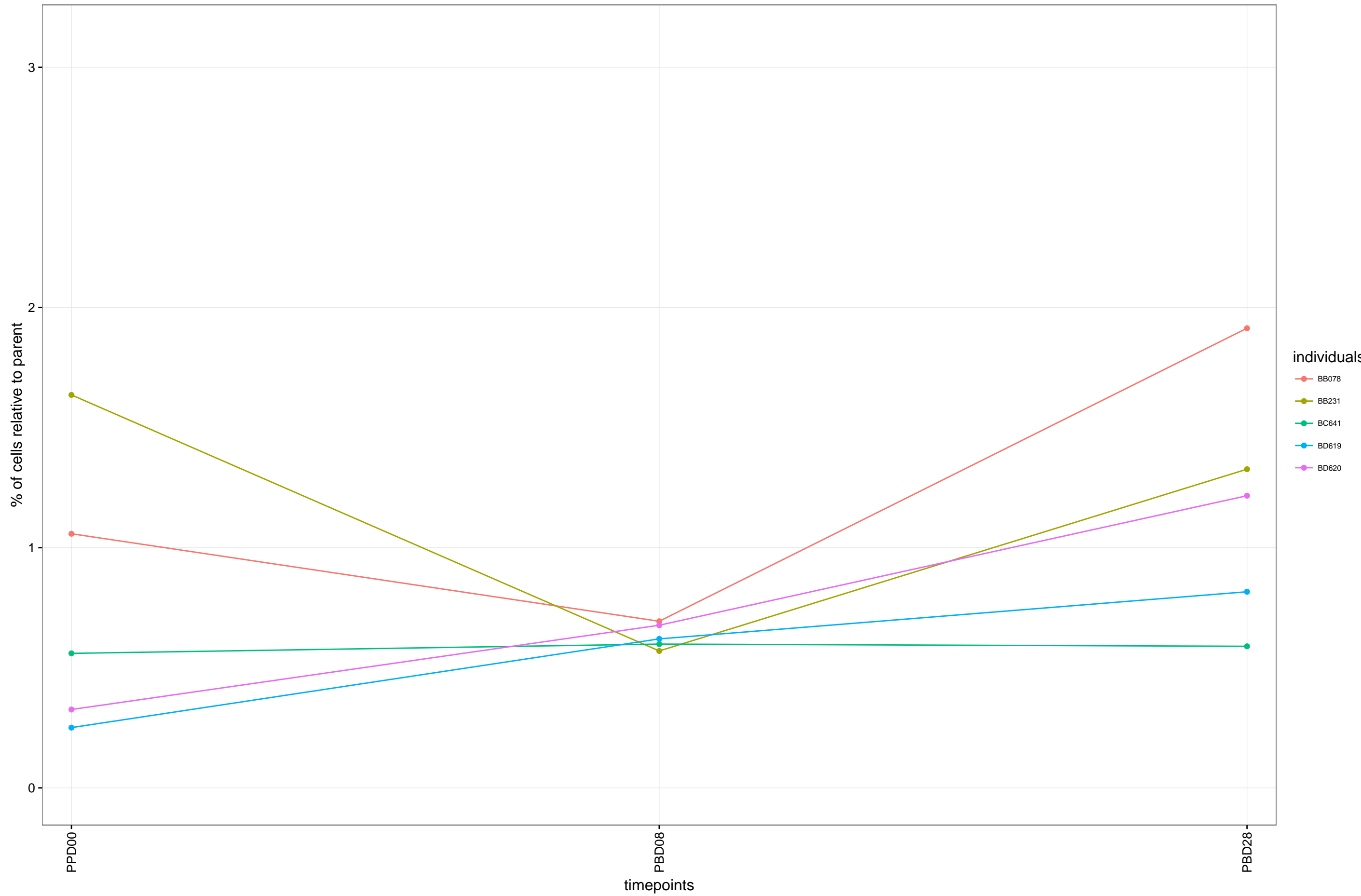
Pheno Viewer – cluster: 39 (3 312 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



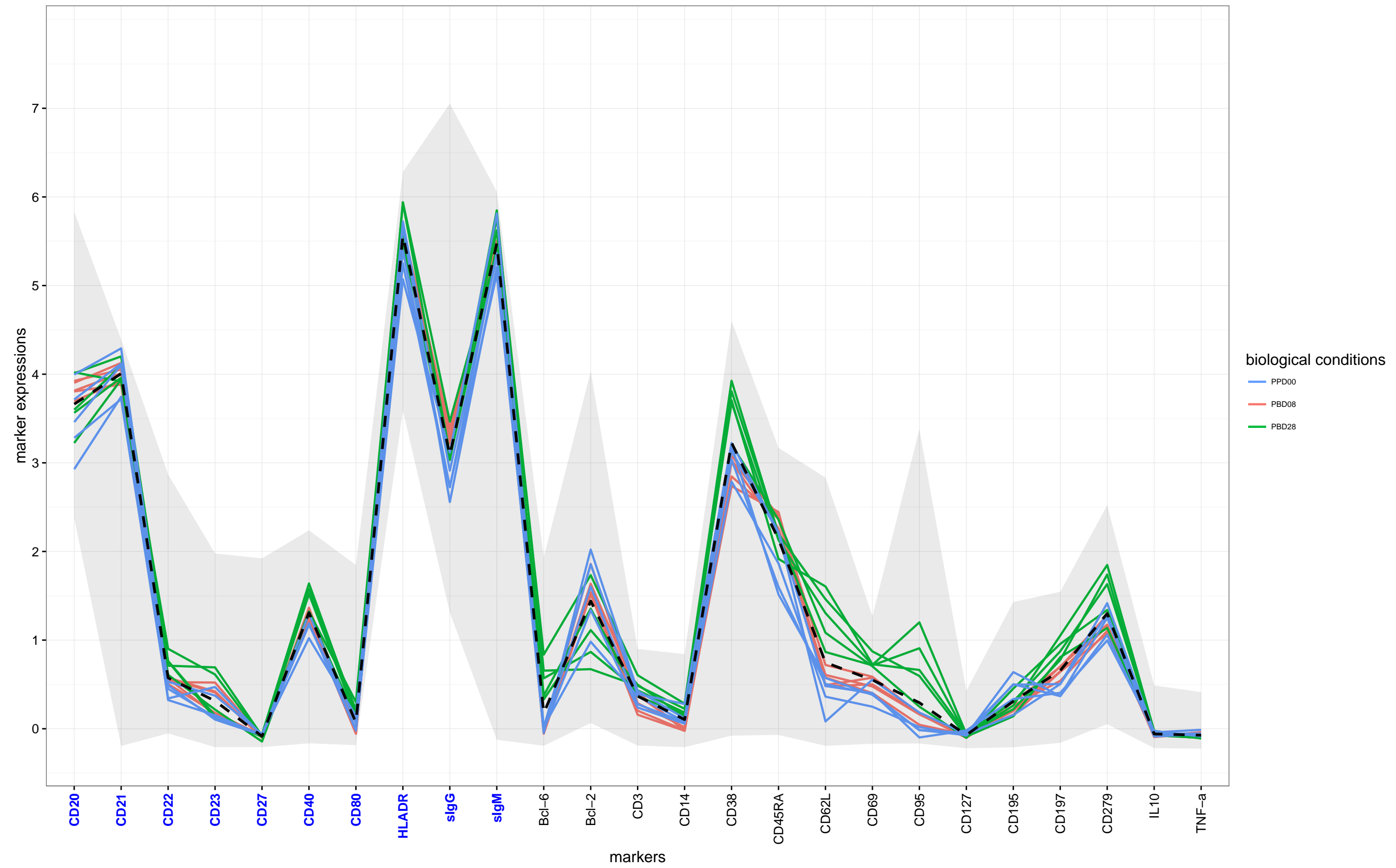


Kinetics Viewer – cluster: 40 (1 878 cells)

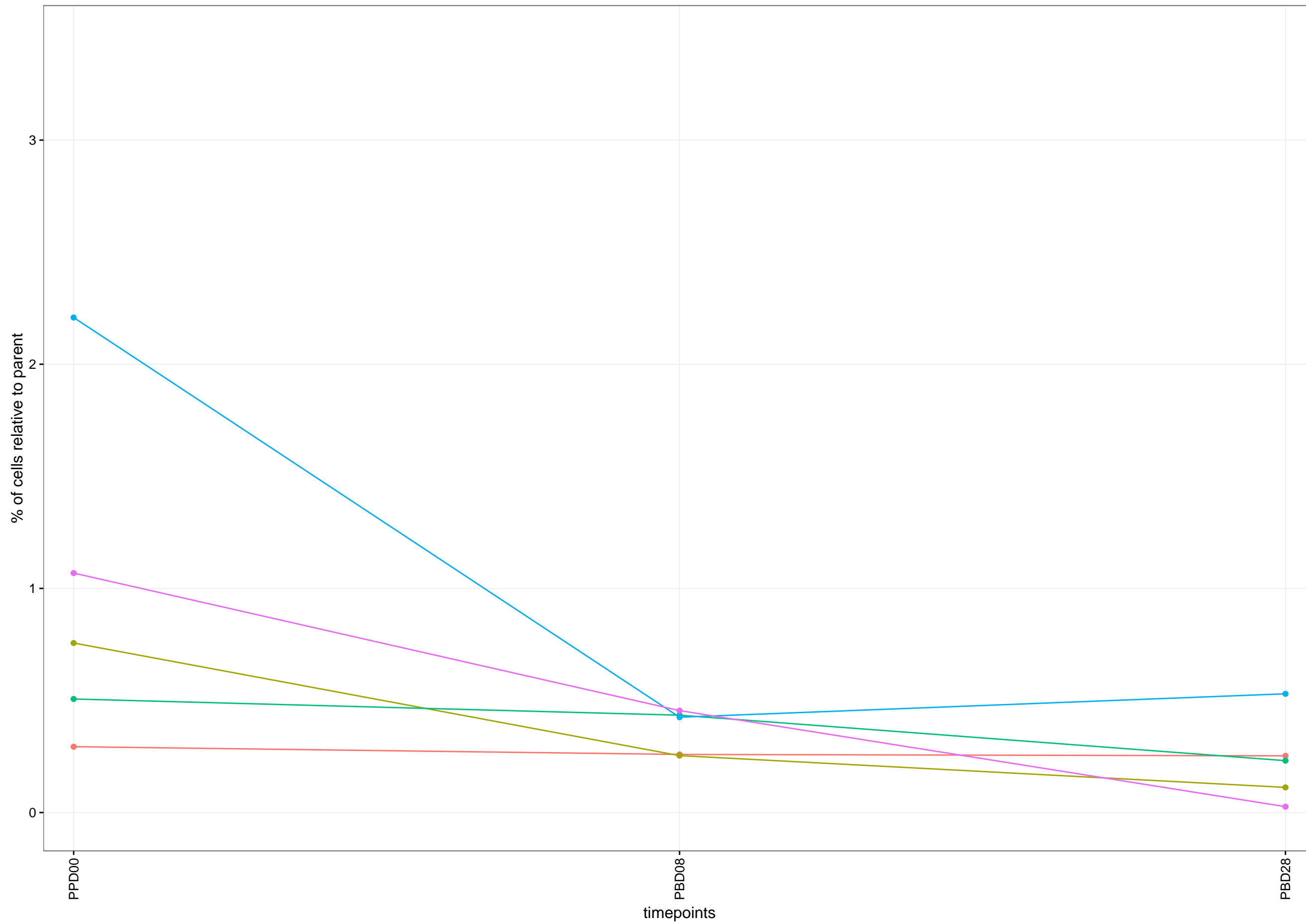


Pheno Viewer – cluster: 40 (1 878 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

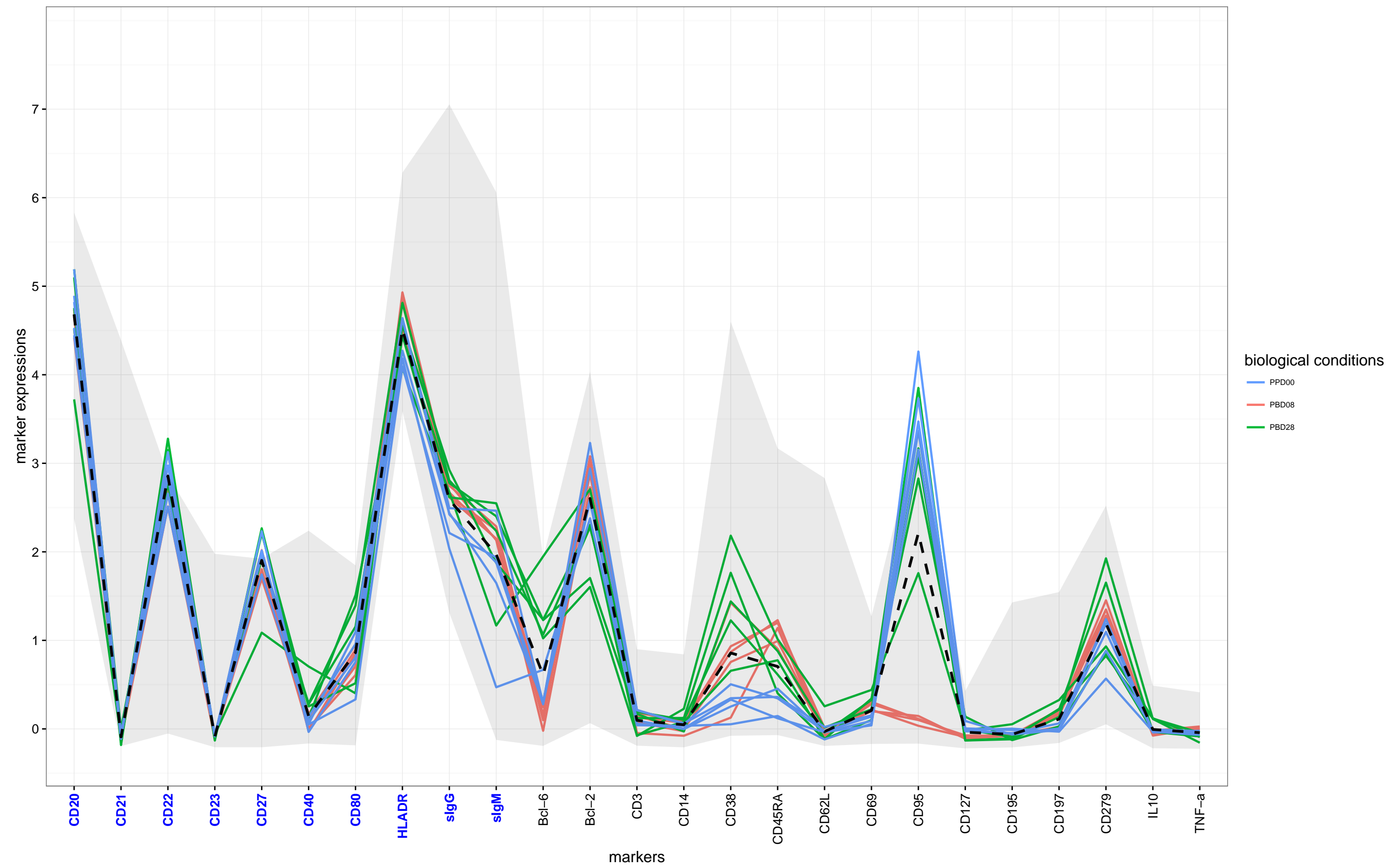


Kinetics Viewer – cluster: 41 (1 194 cells)

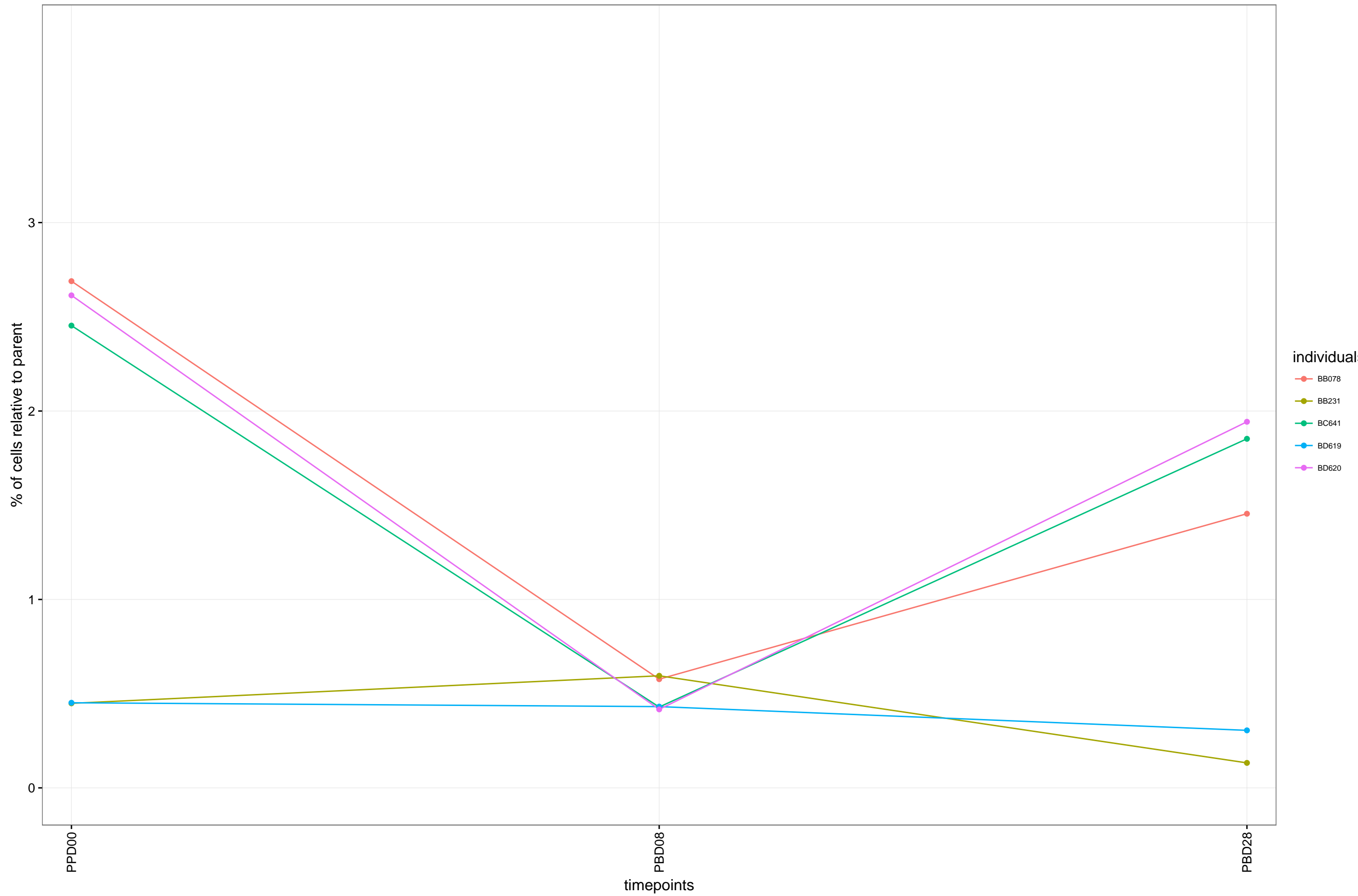


Pheno Viewer – cluster: 41 (1 194 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

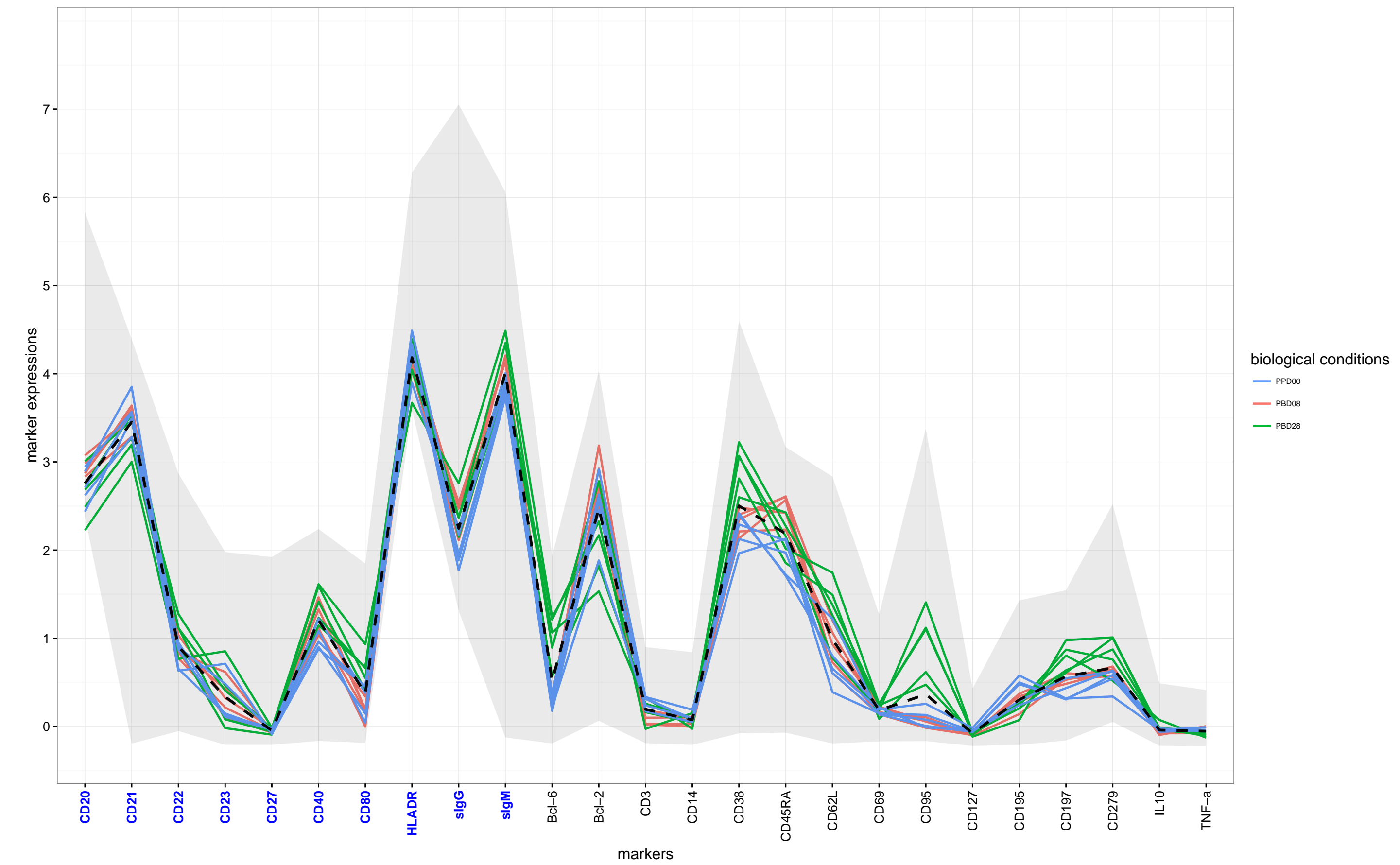


Kinetics Viewer – cluster: 42 (2 469 cells)

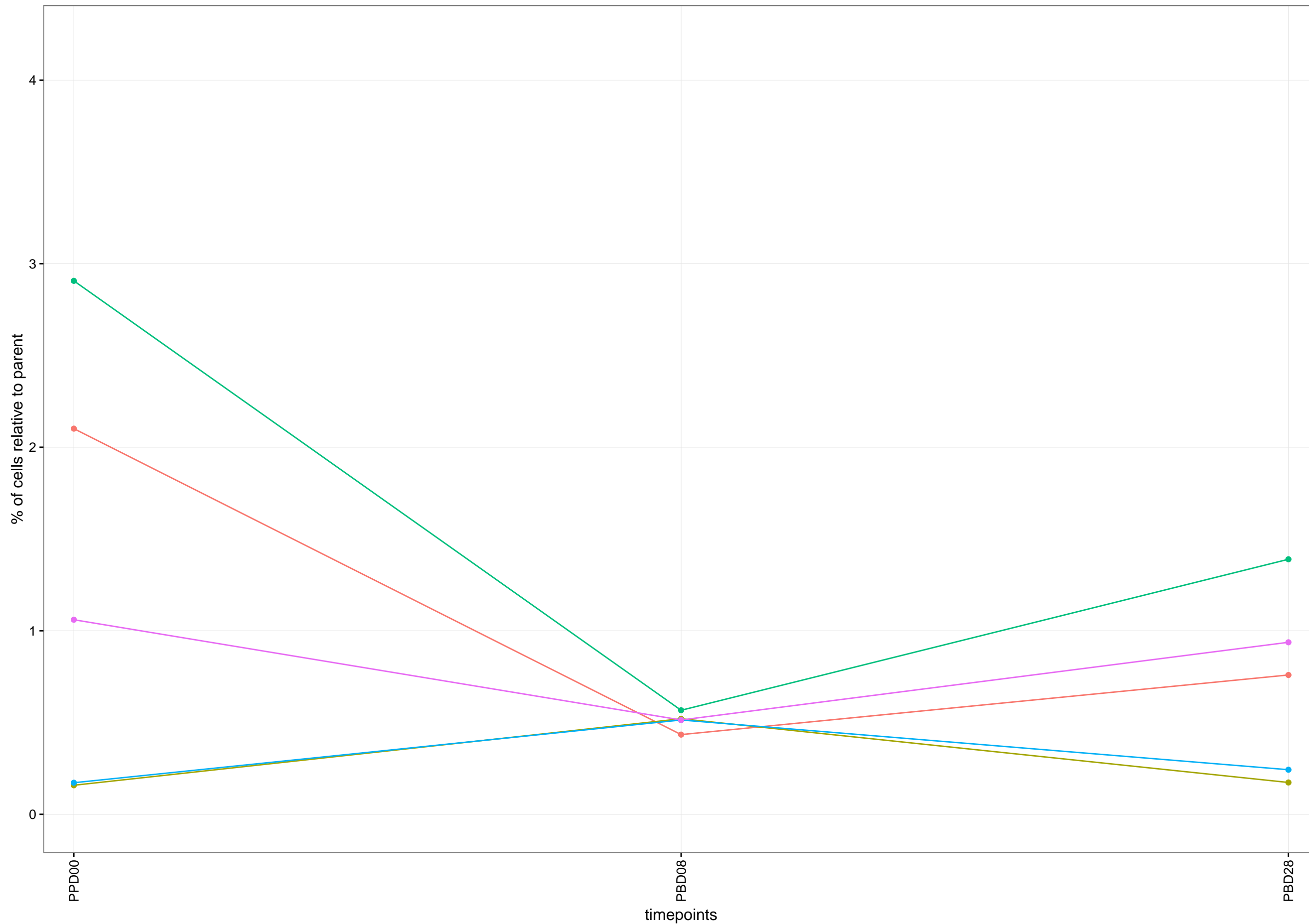


Pheno Viewer – cluster: 42 (2 469 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

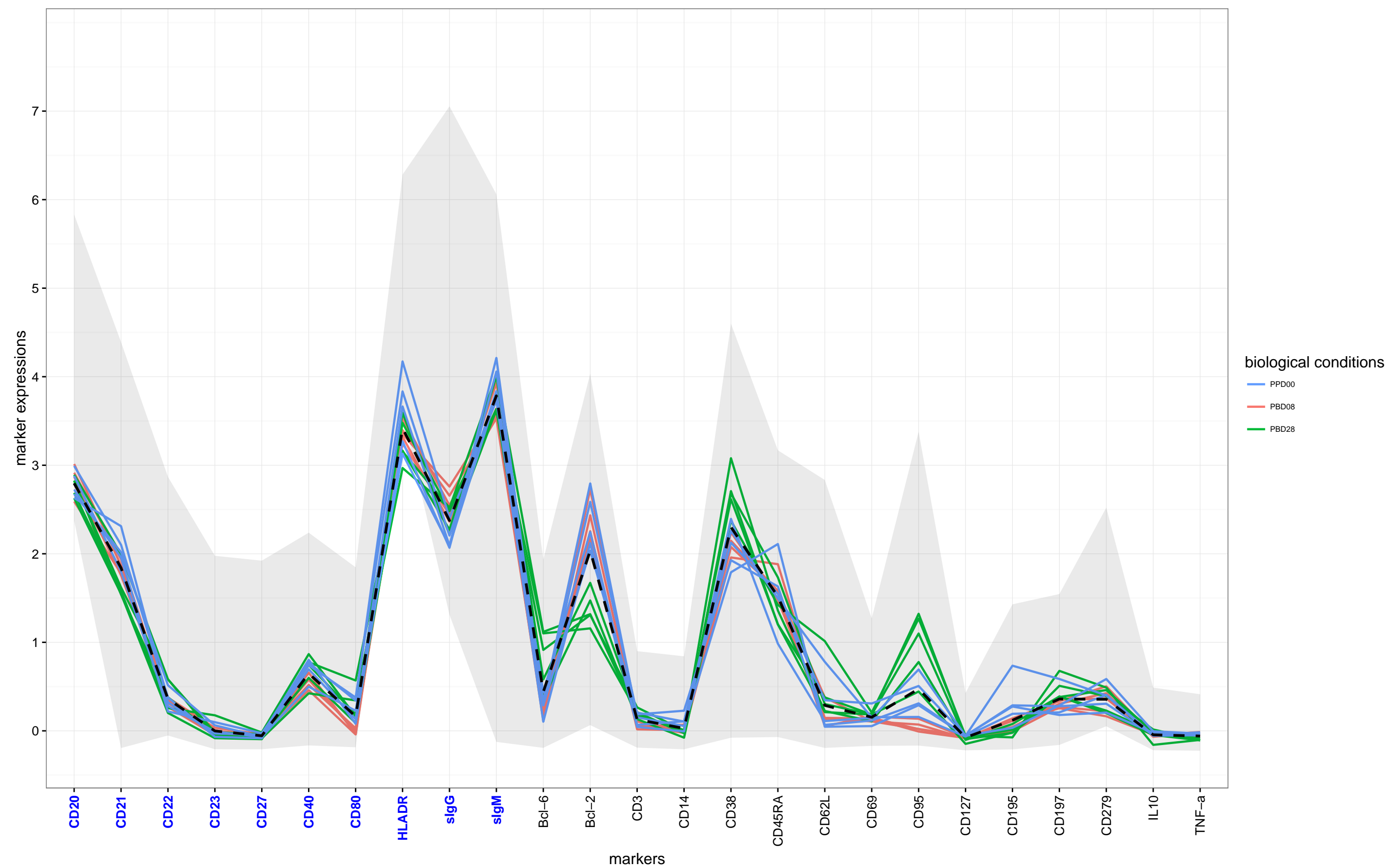


Kinetics Viewer – cluster: 43 (1 573 cells)

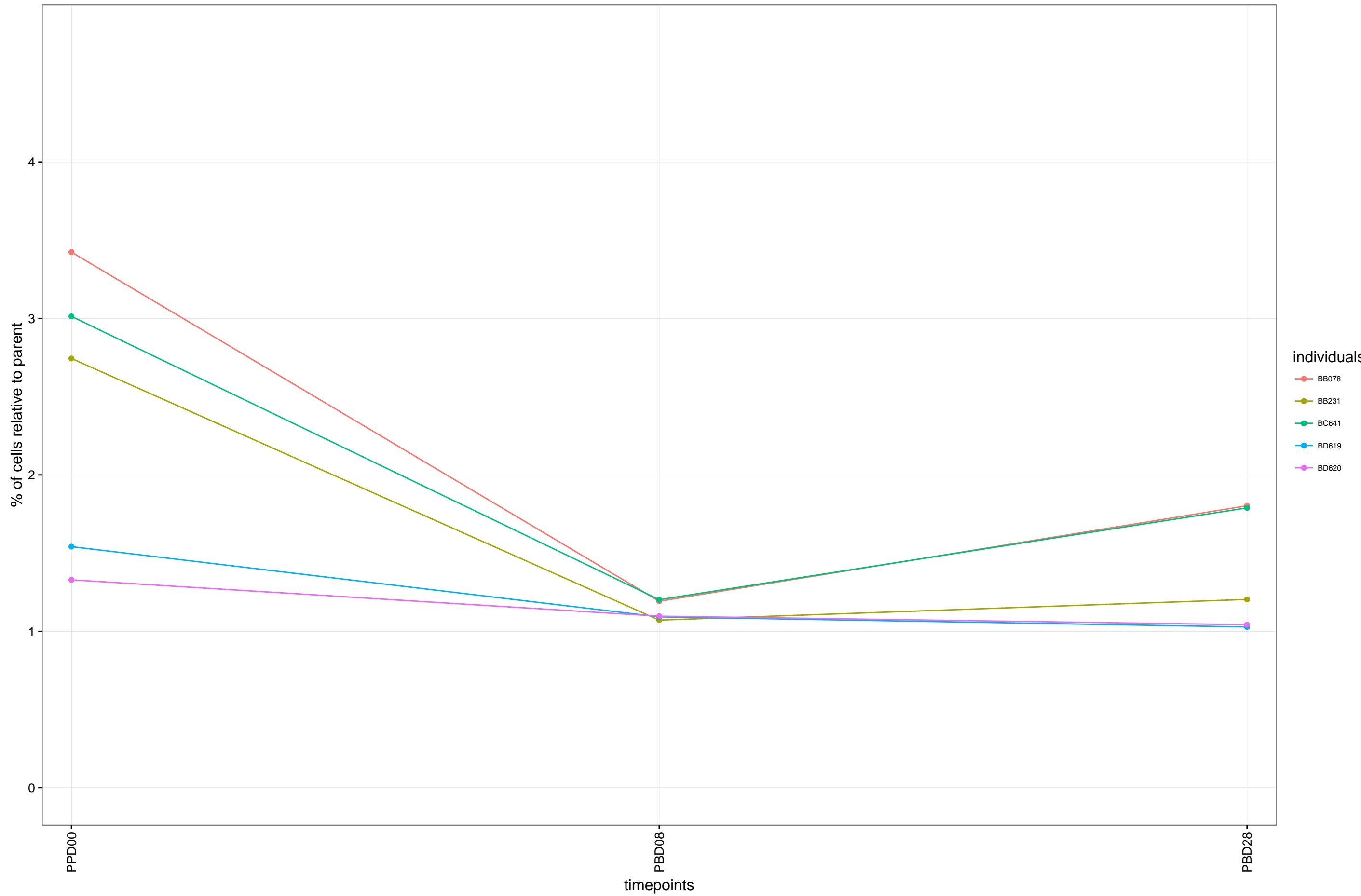


Pheno Viewer – cluster: 43 (1 573 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

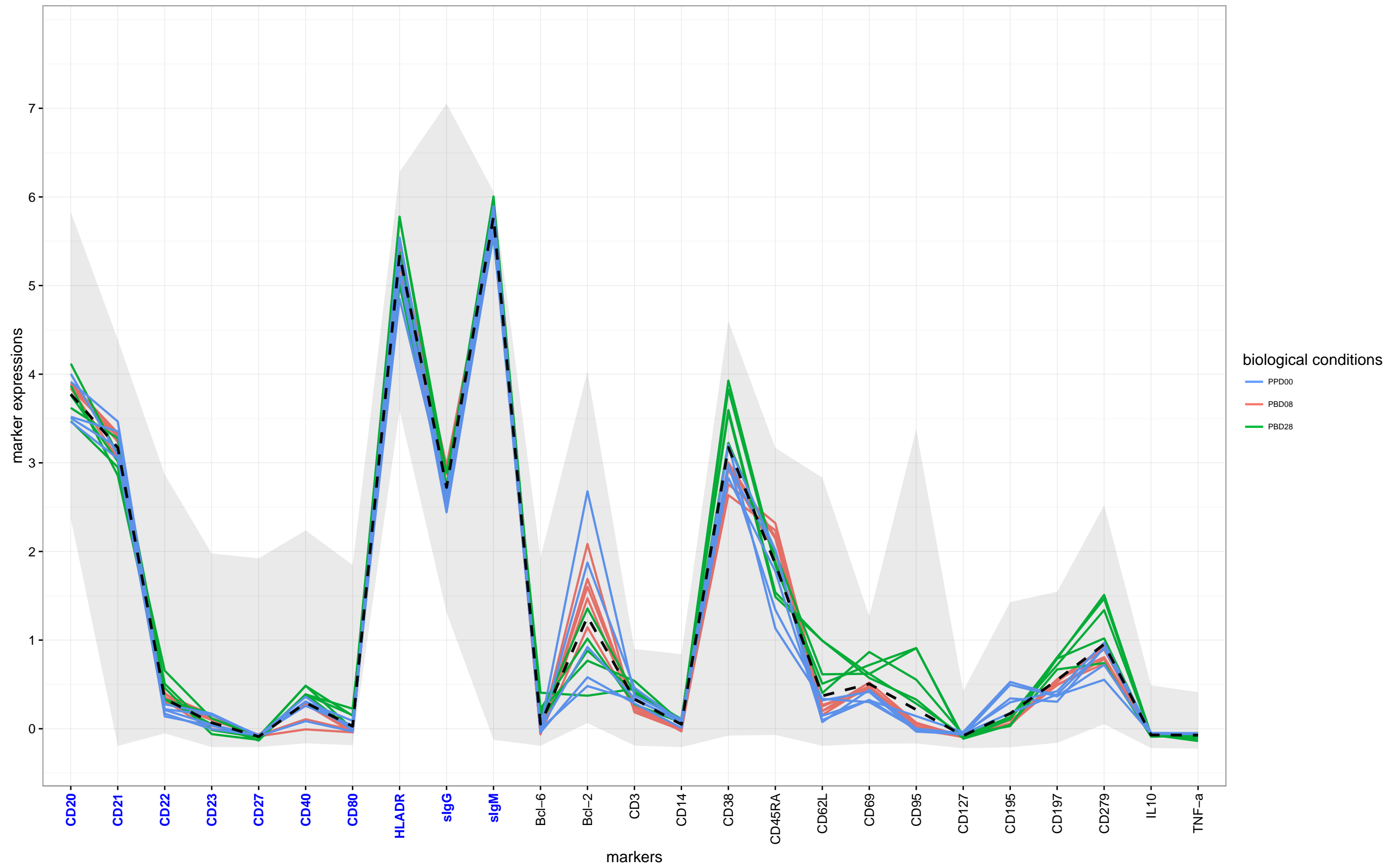


Kinetics Viewer – cluster: 44 (3 162 cells)



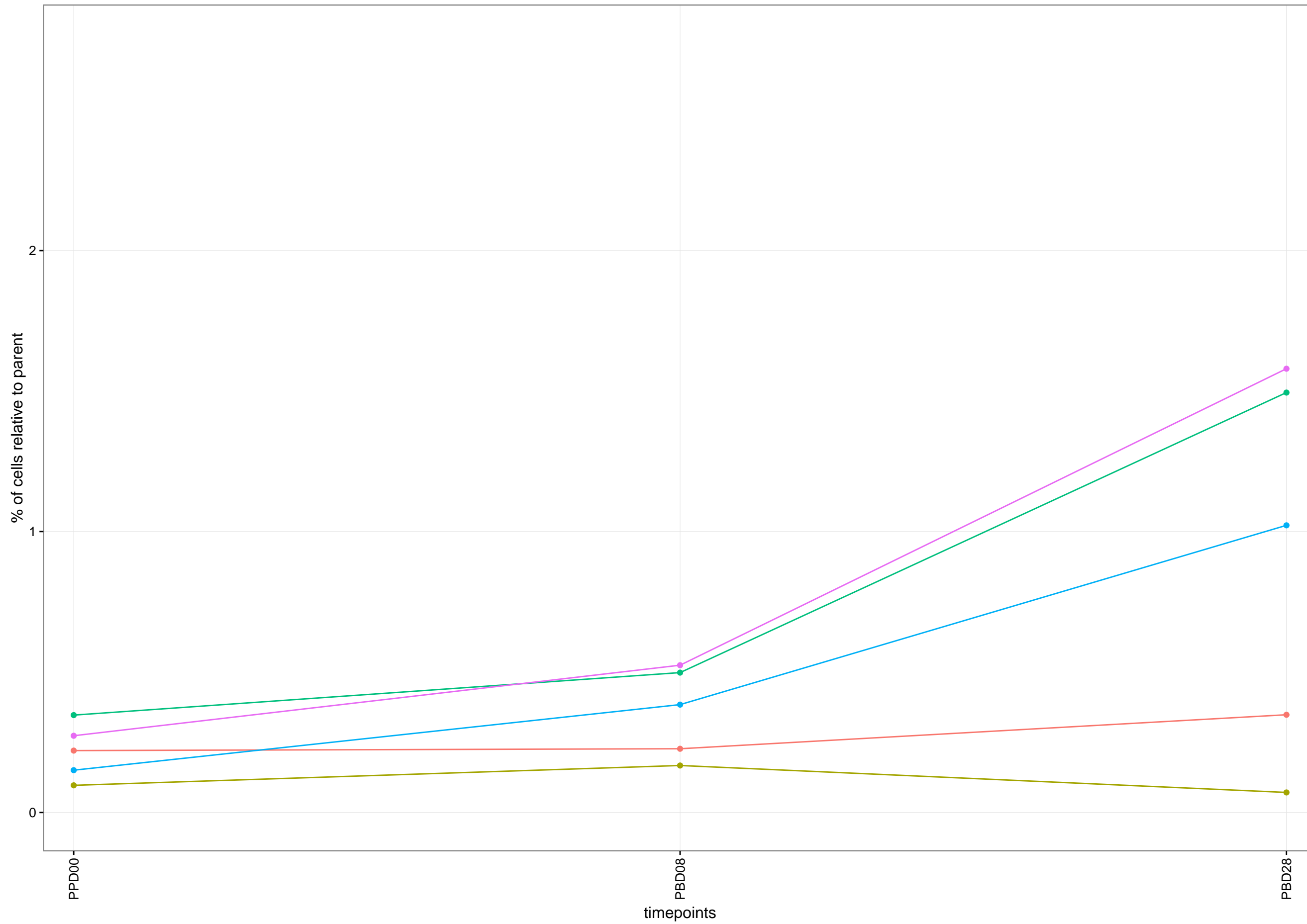
Pheno Viewer – cluster: 44 (3 162 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



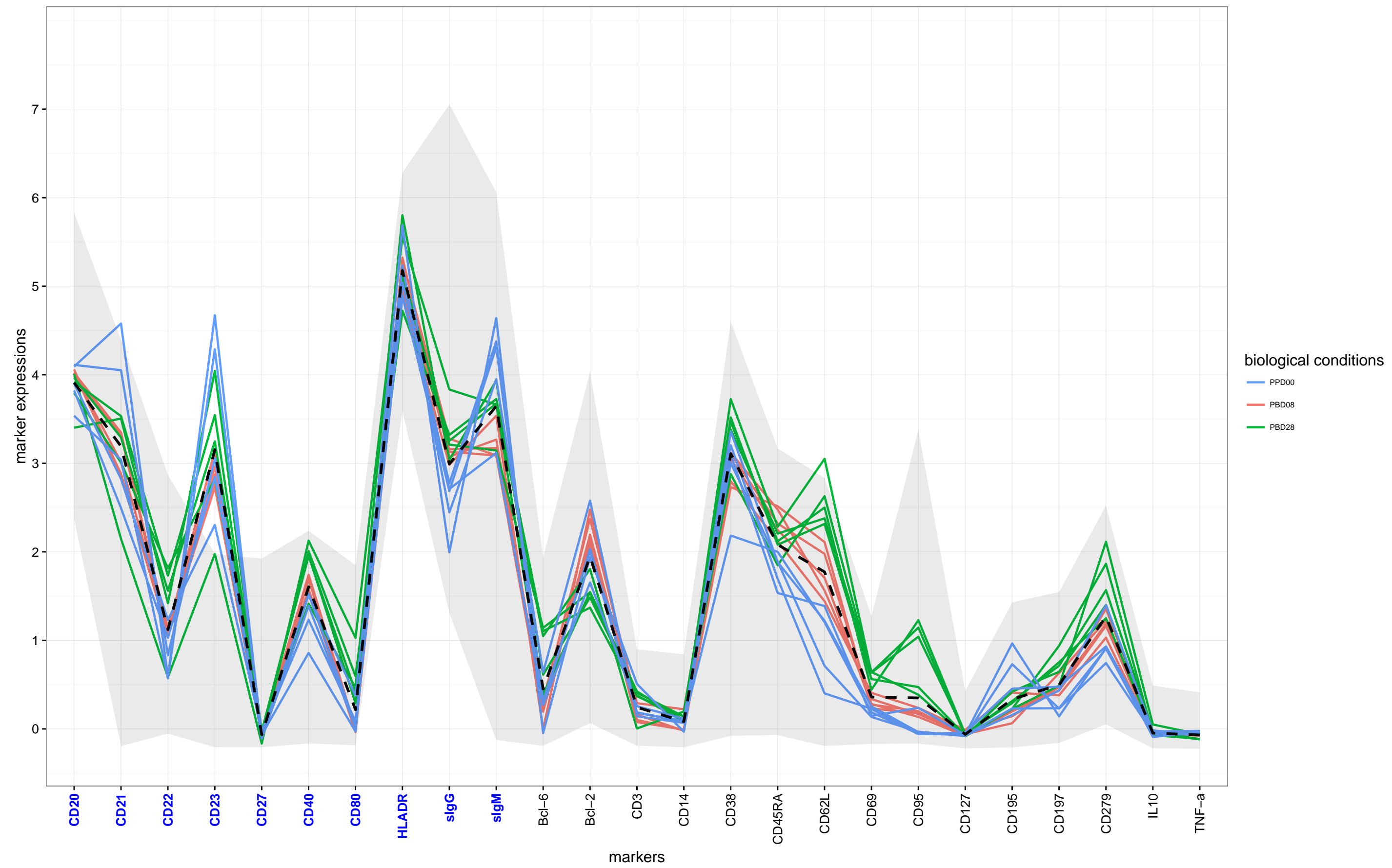


Kinetics Viewer – cluster: 45 (1 363 cells)

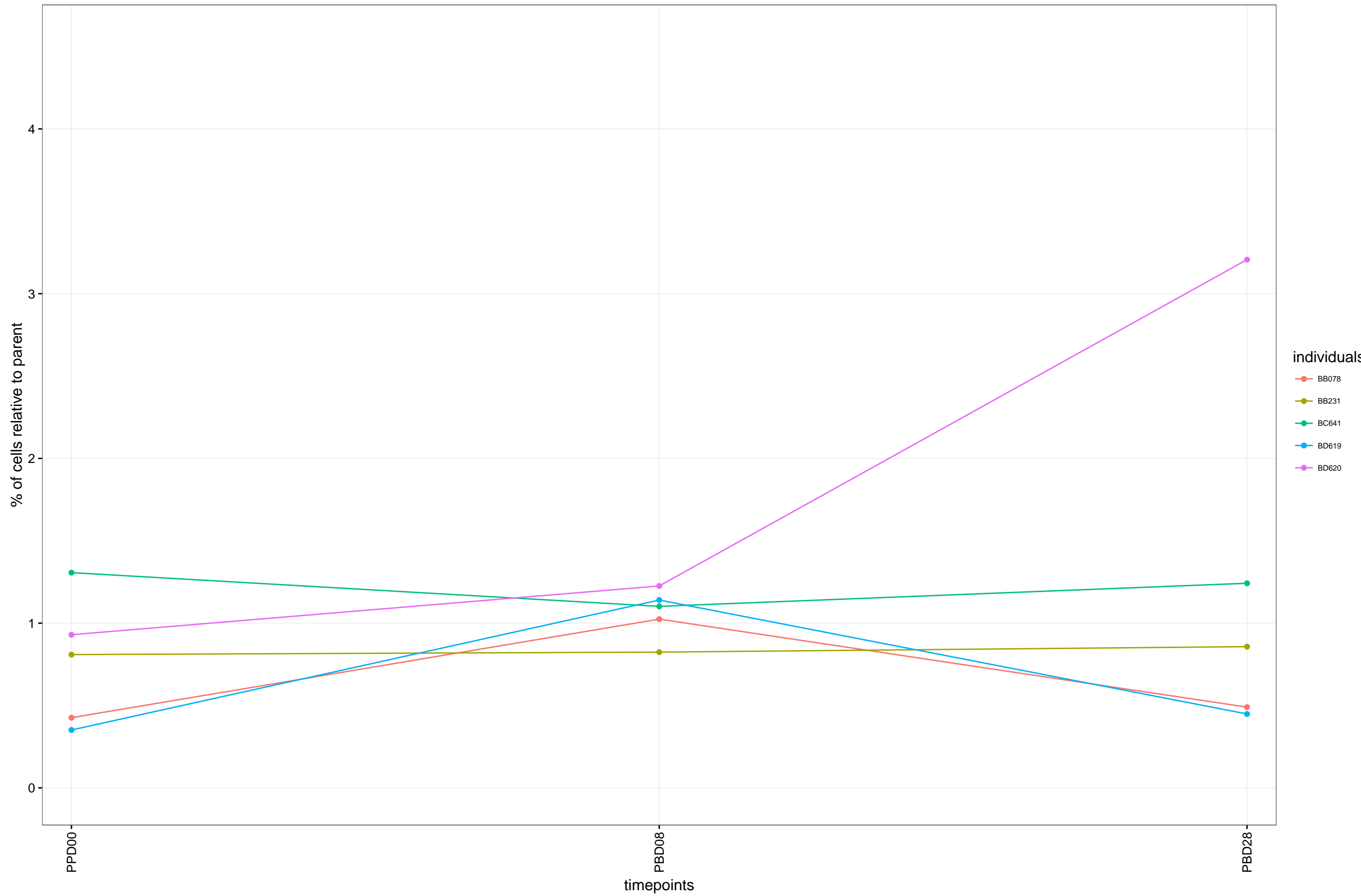


Pheno Viewer – cluster: 45 (1 363 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

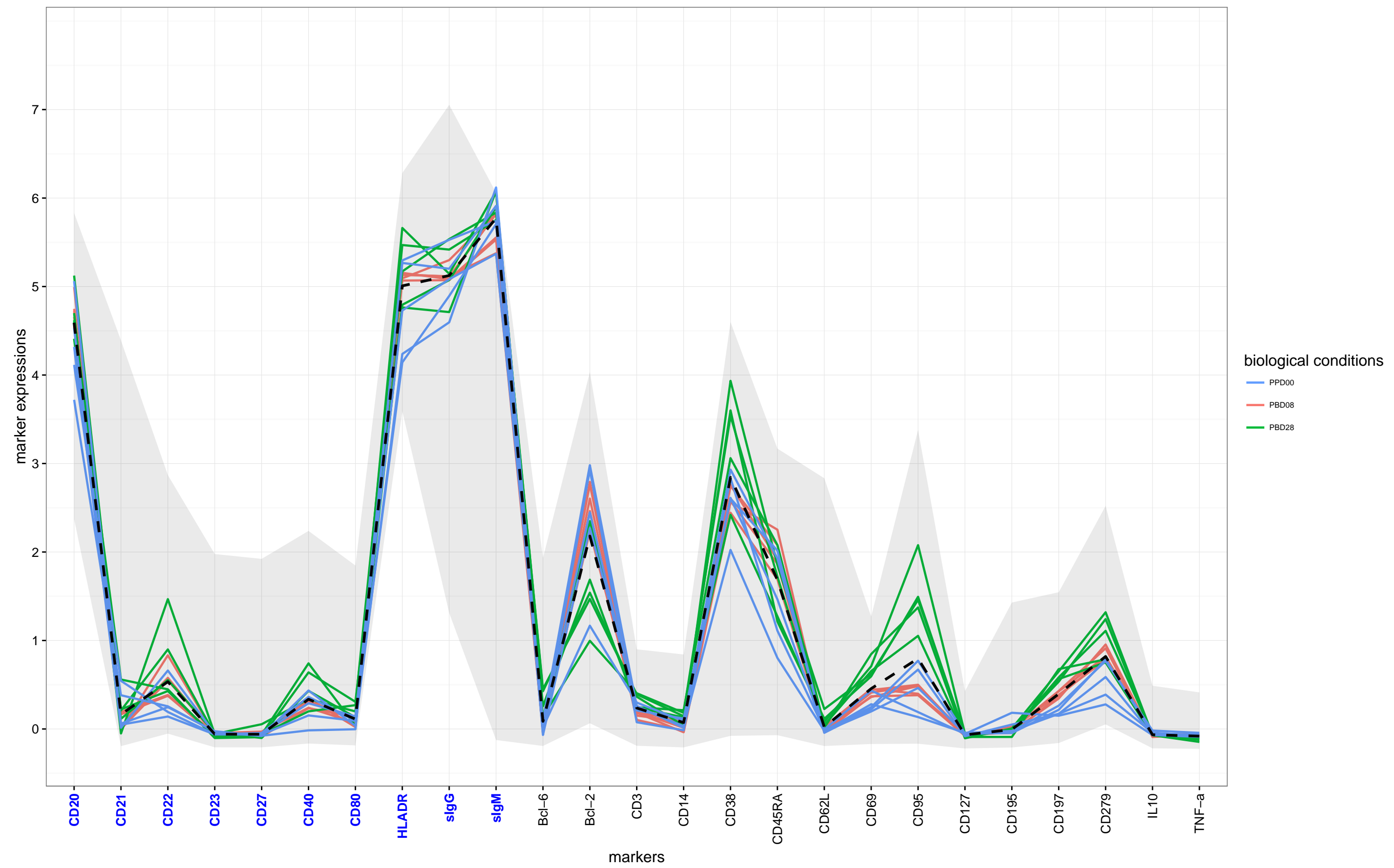


Kinetics Viewer – cluster: 46 (2 956 cells)

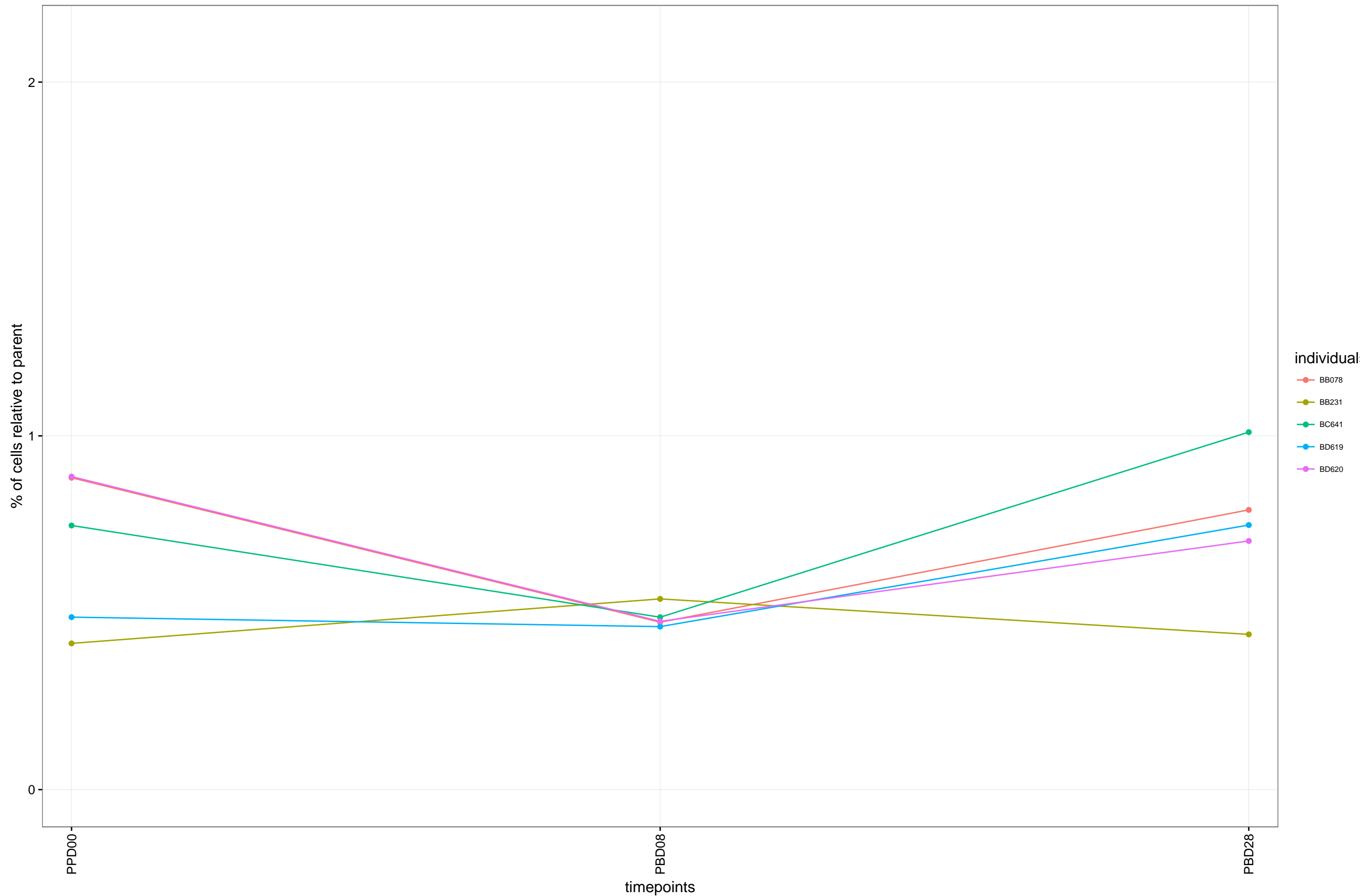


Pheno Viewer – cluster: 46 (2 956 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

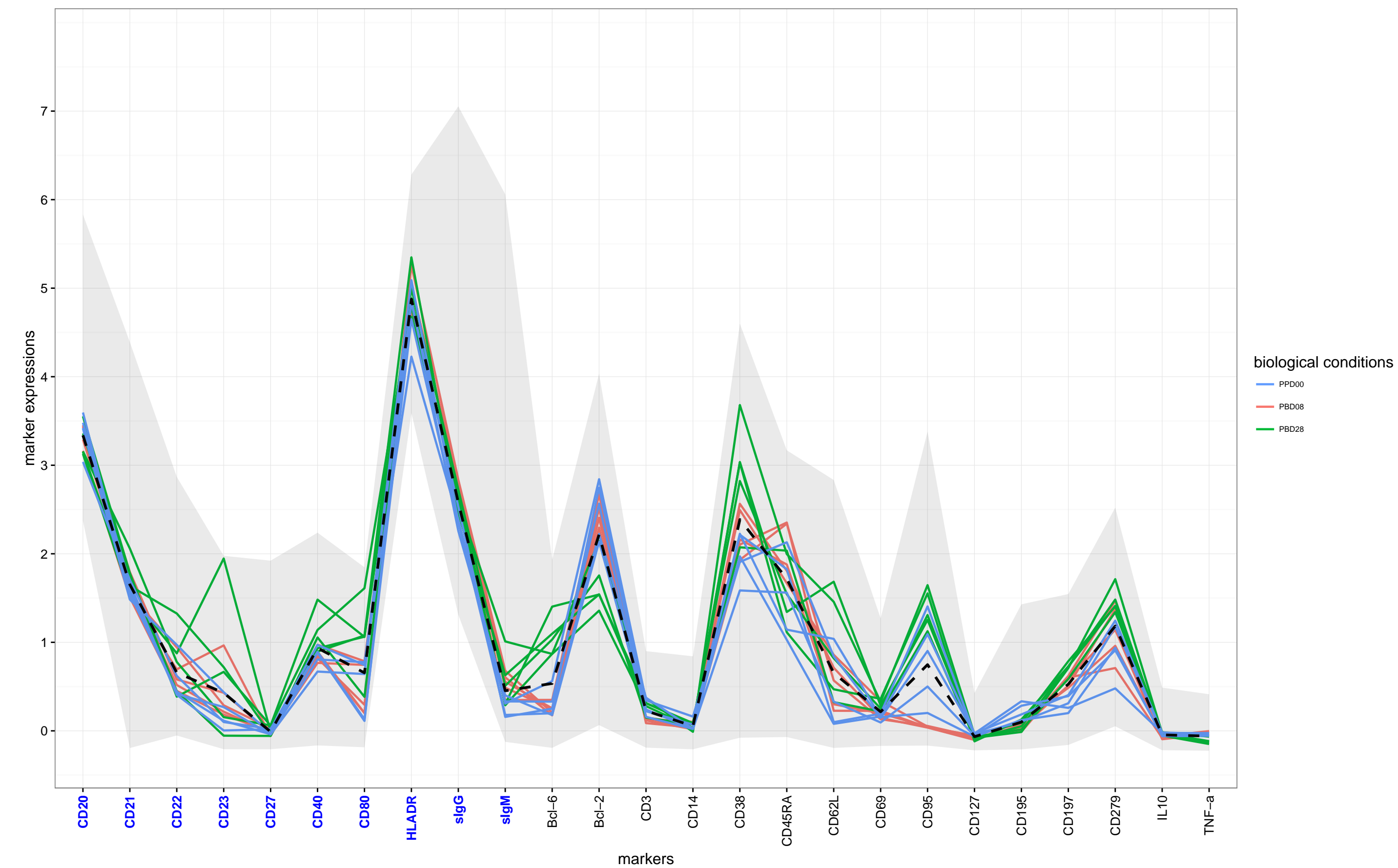


Kinetics Viewer – cluster: 47 (1 415 cells)

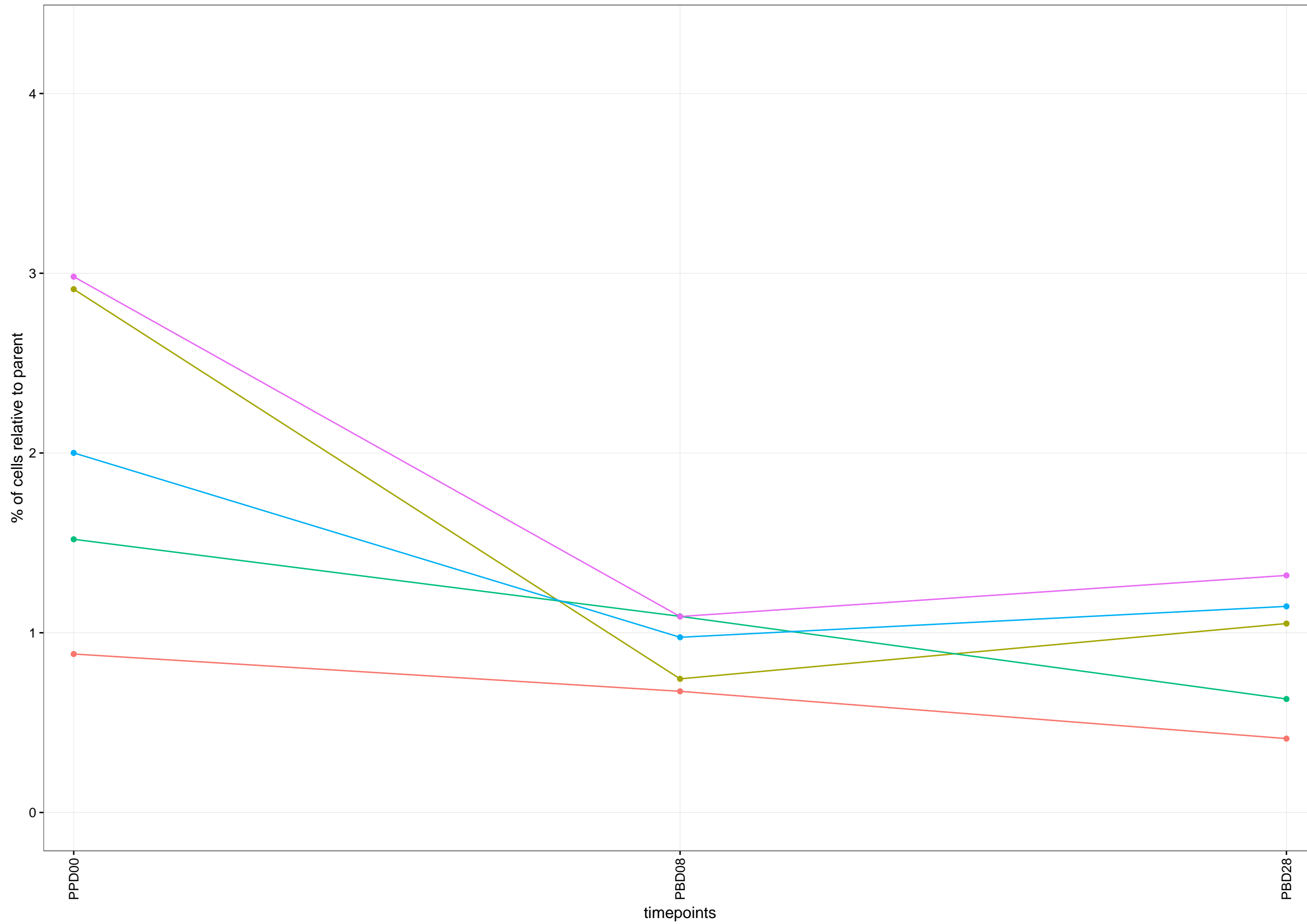


Pheno Viewer – cluster: 47 (1 415 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

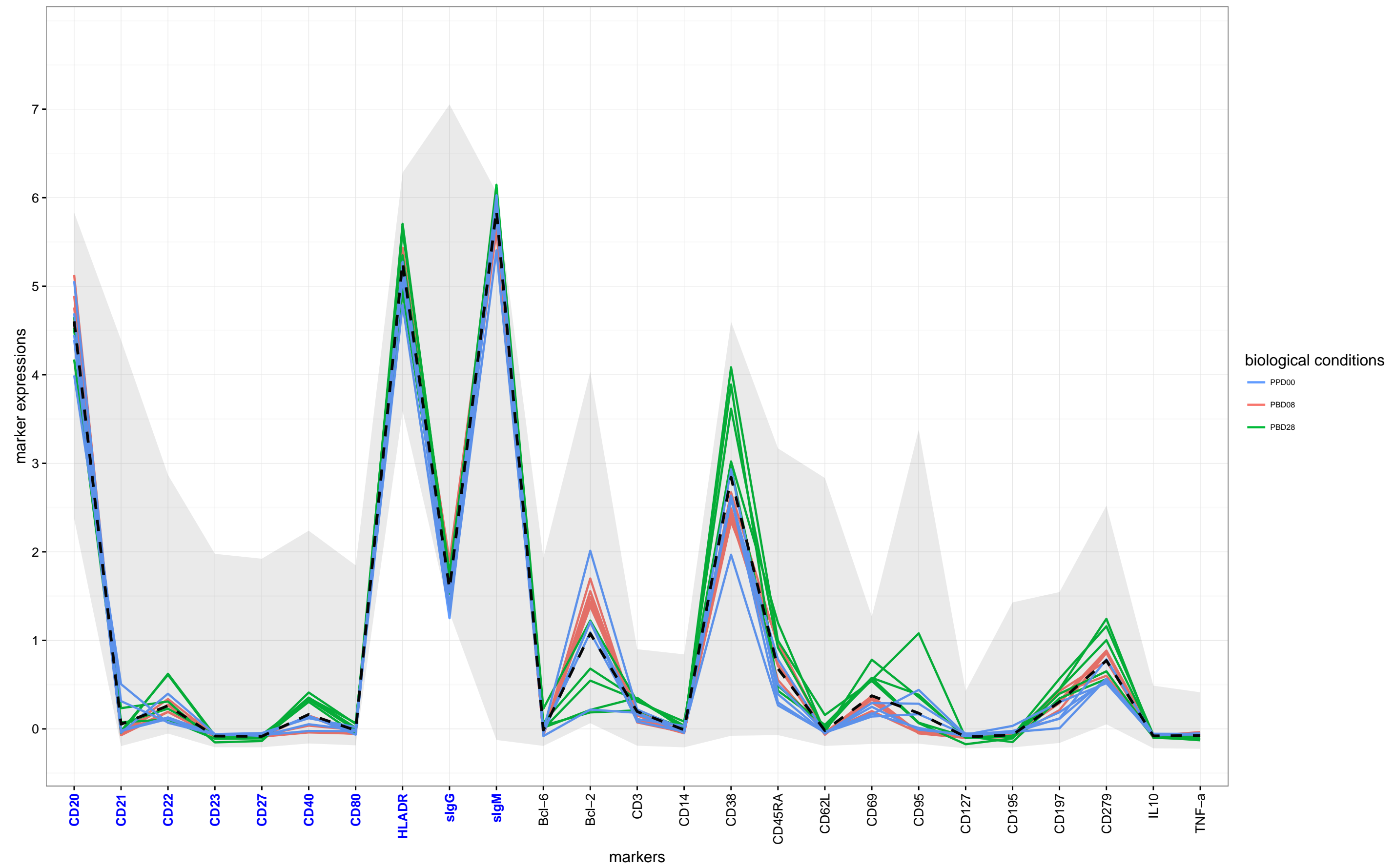


Kinetics Viewer – cluster: 48 (3 211 cells)

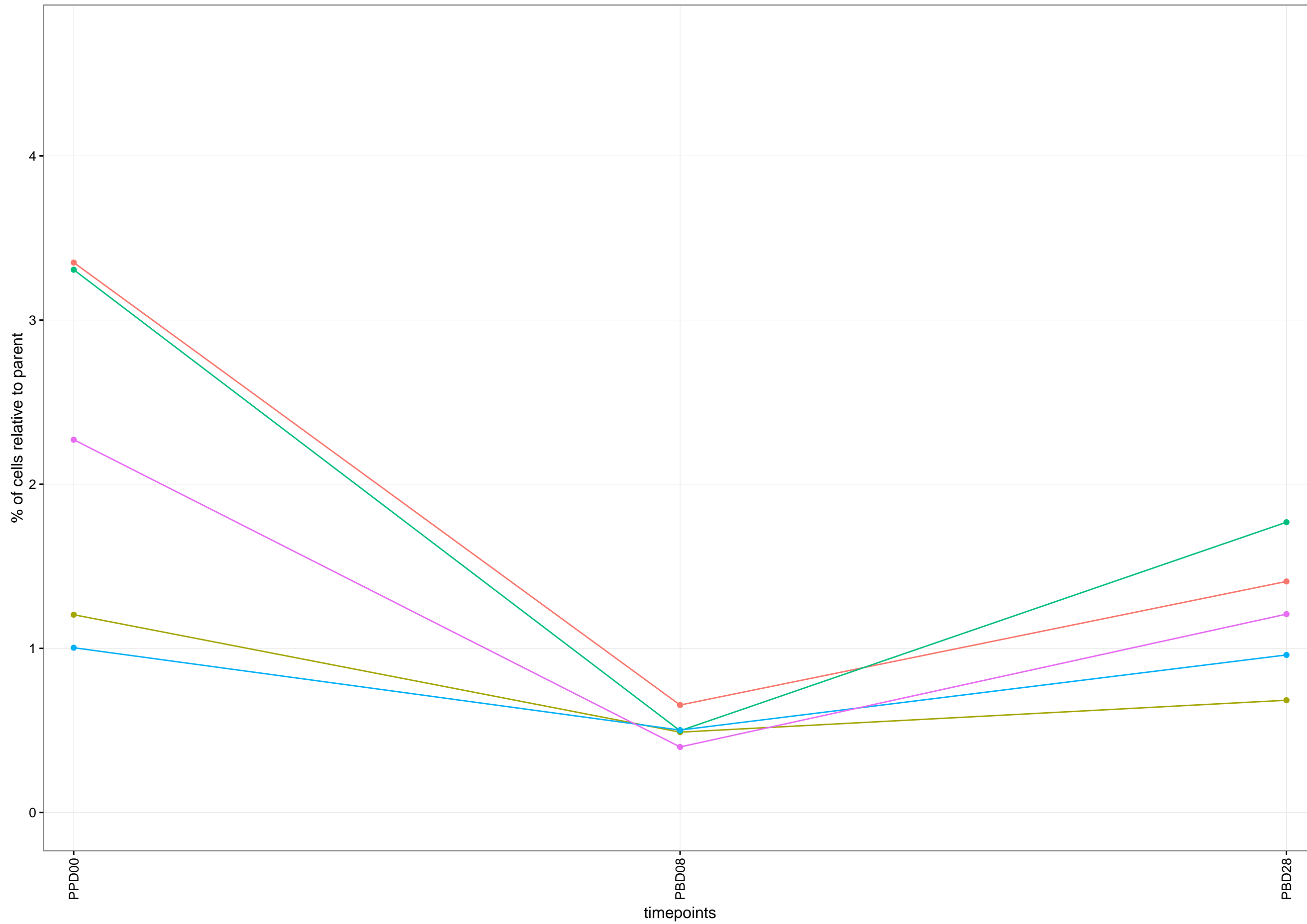


Pheno Viewer – cluster: 48 (3 211 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

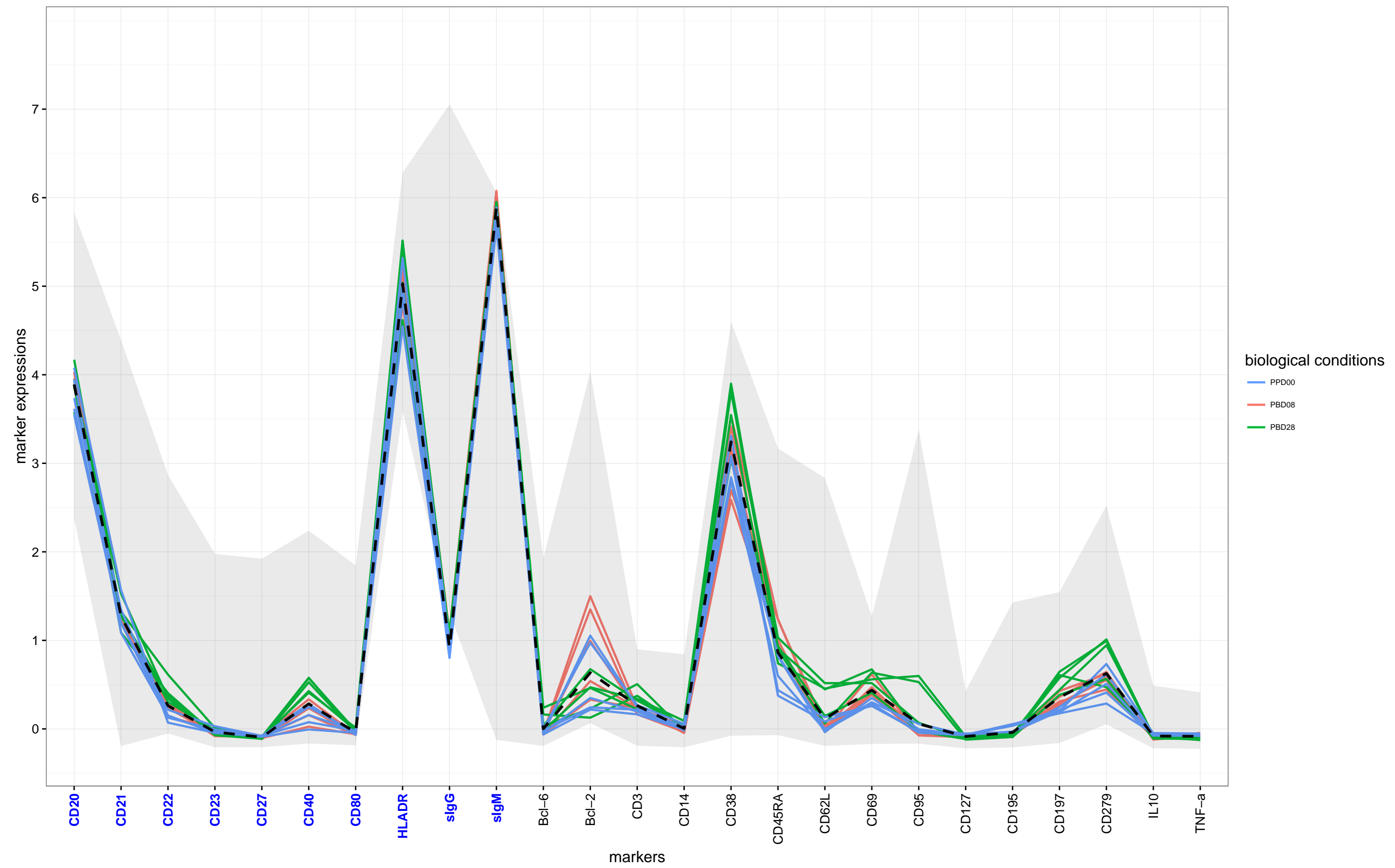


Kinetics Viewer – cluster: 49 (2 513 cells)



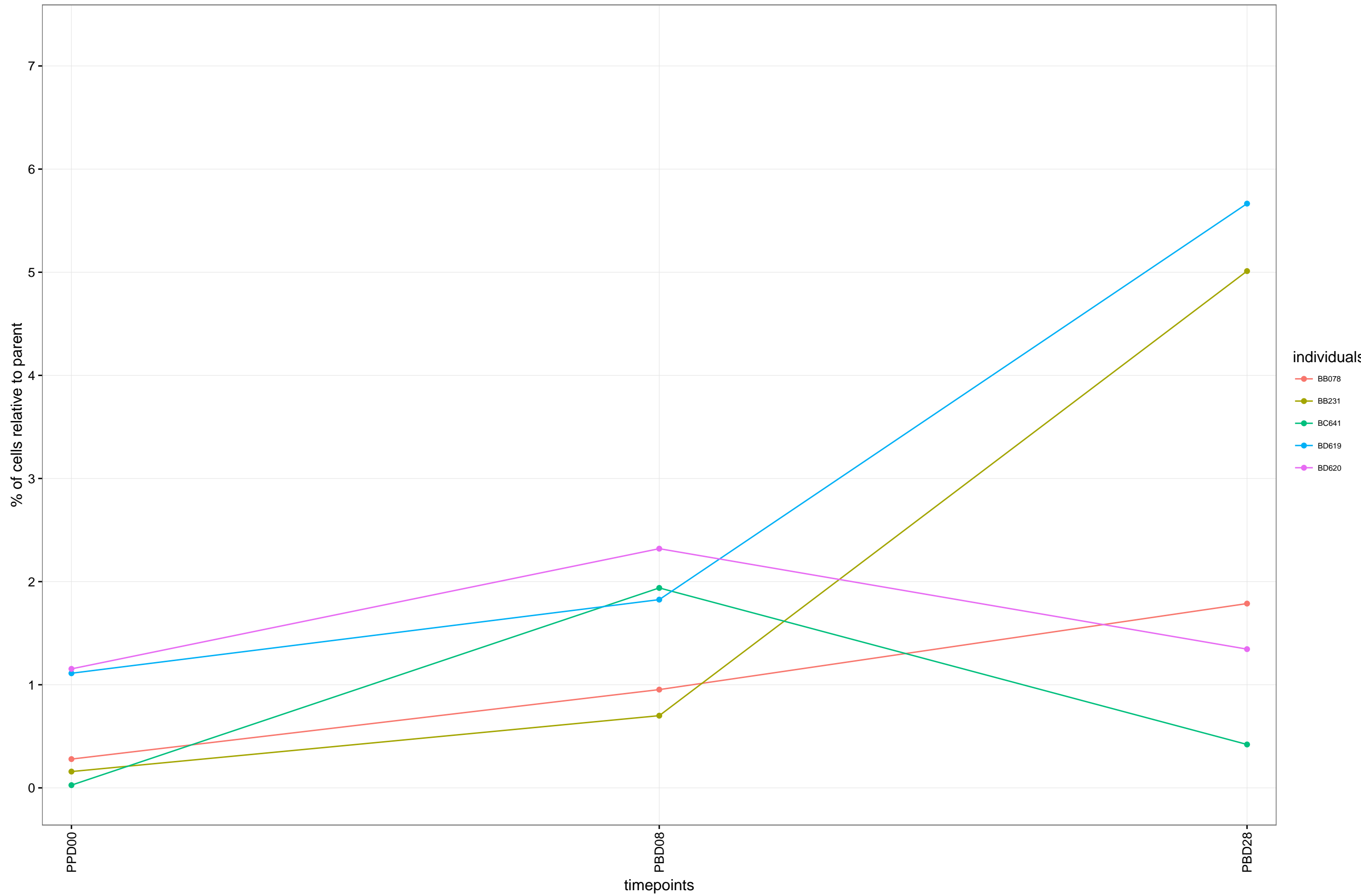
Pheno Viewer – cluster: 49 (2 513 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



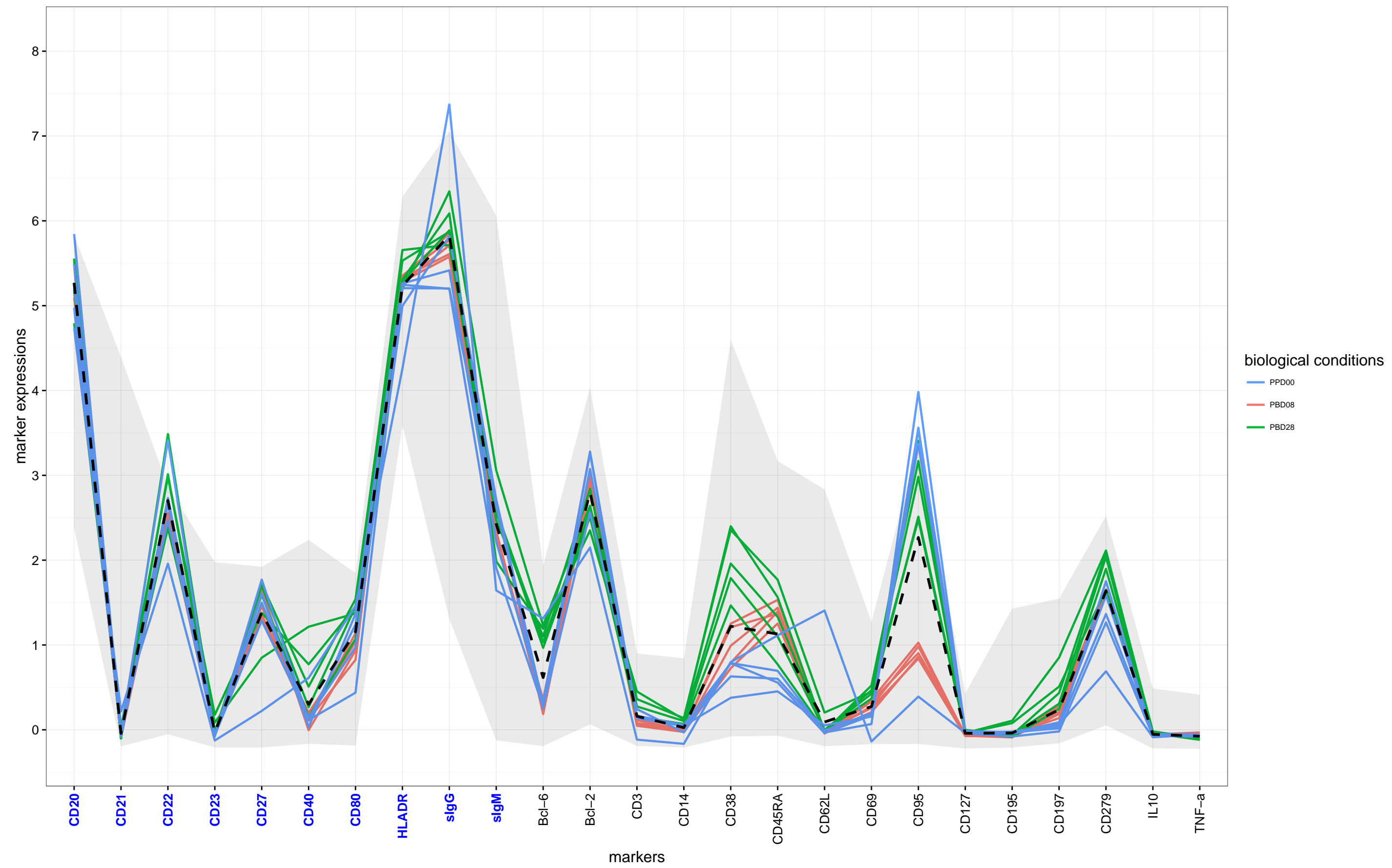


Kinetics Viewer – cluster: 50 (4 123 cells)

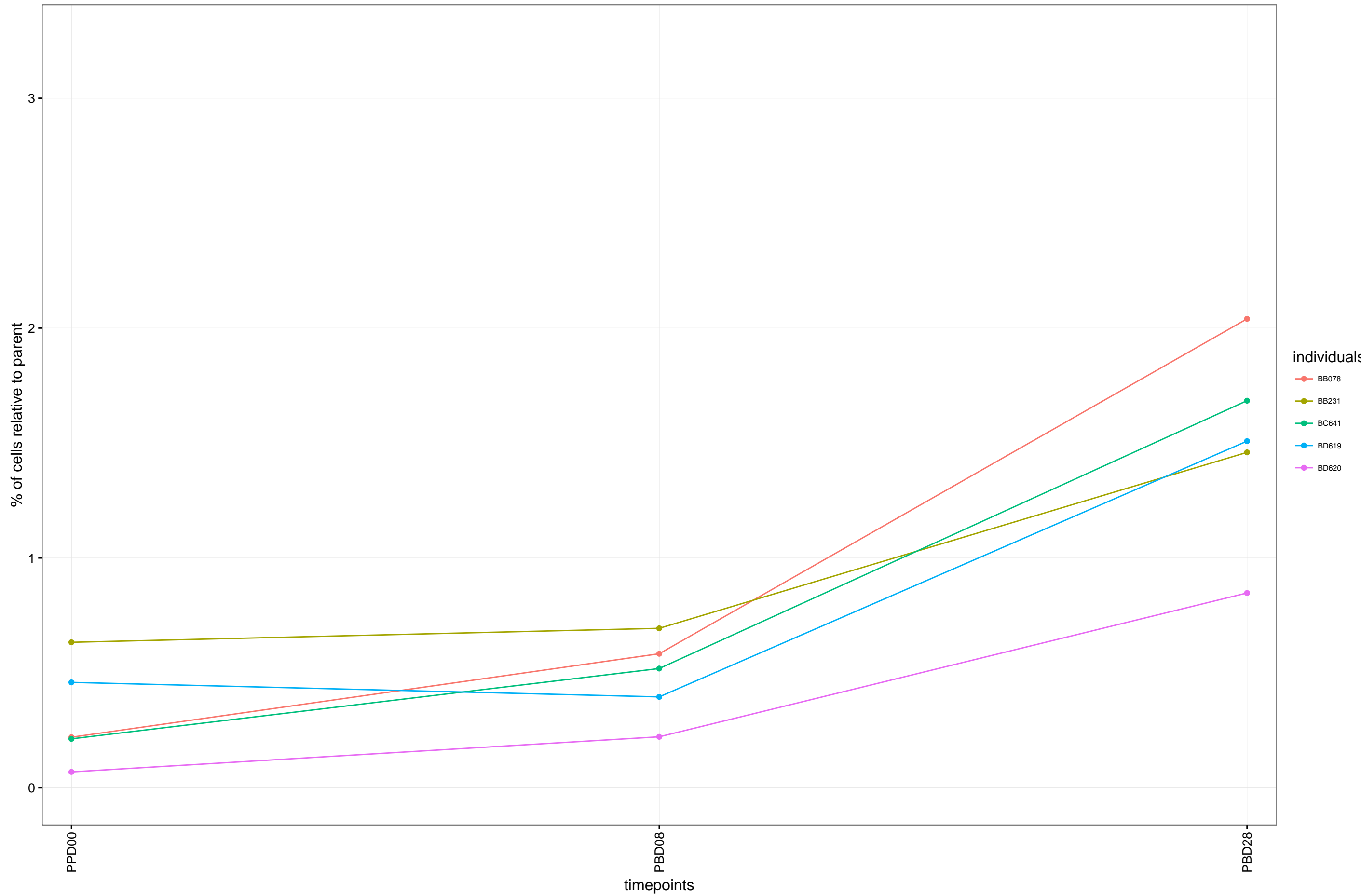


Pheno Viewer – cluster: 50 (4 123 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

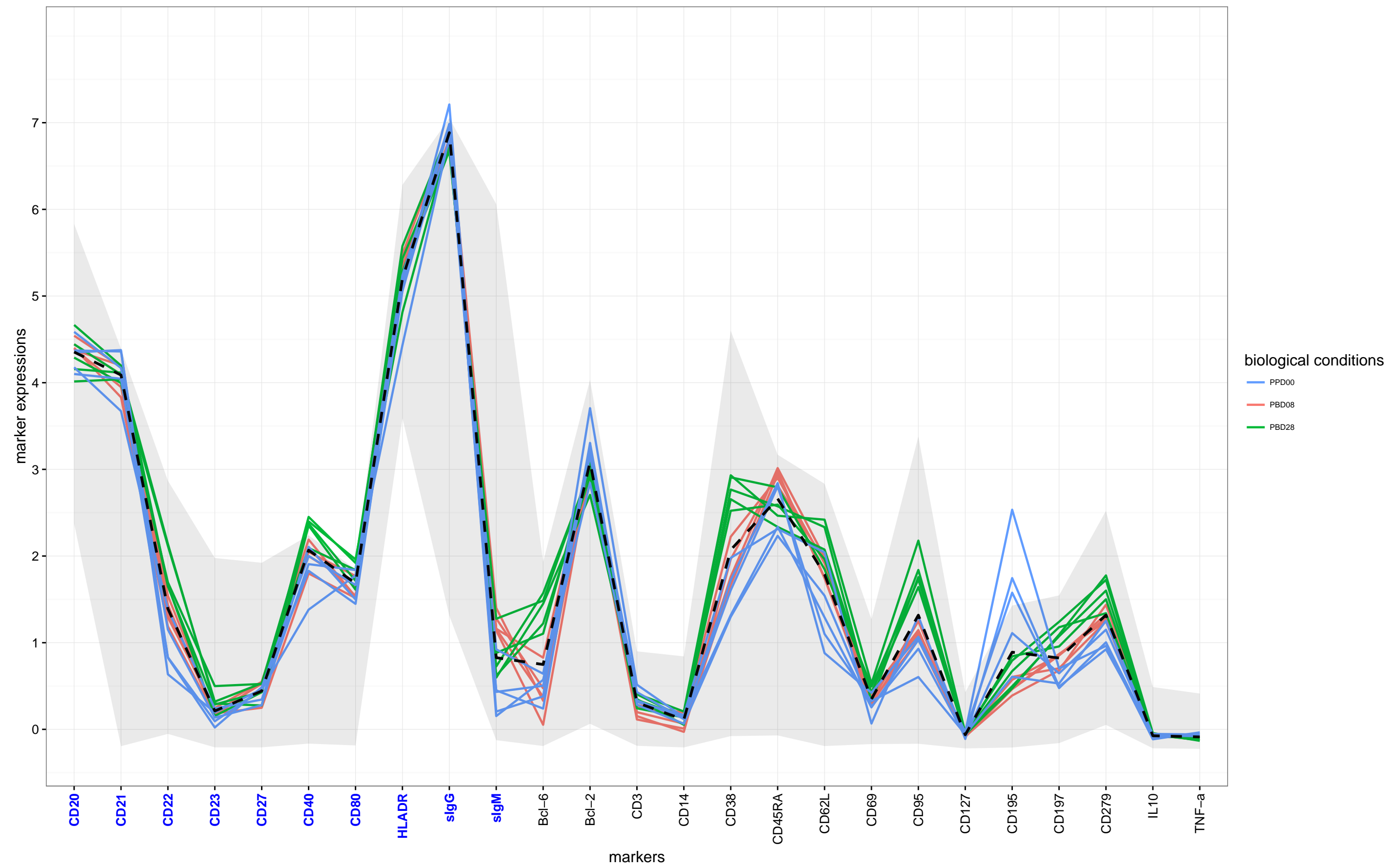


Kinetics Viewer – cluster: 51 (1 523 cells)

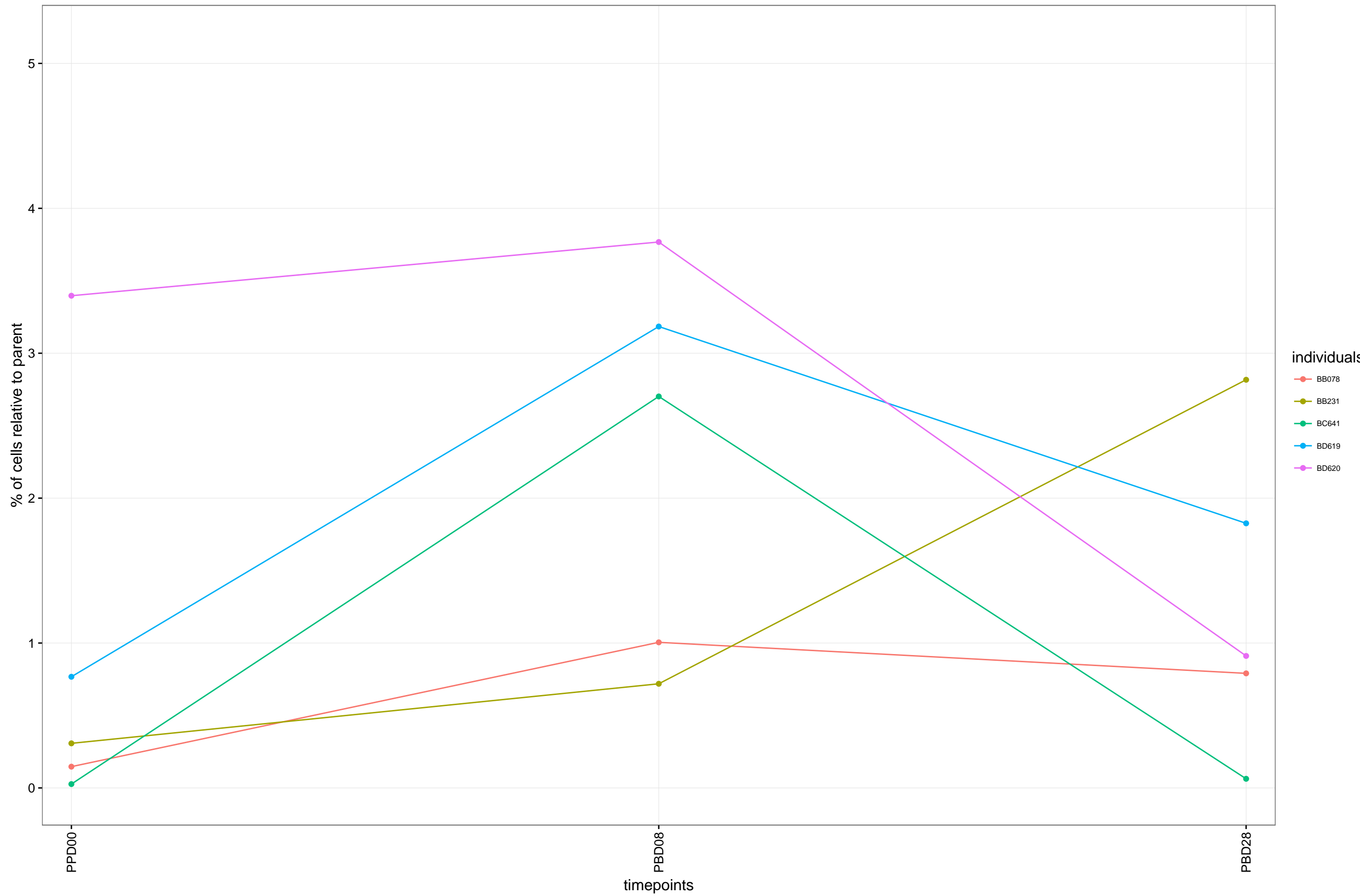


Pheno Viewer – cluster: 51 (1 523 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

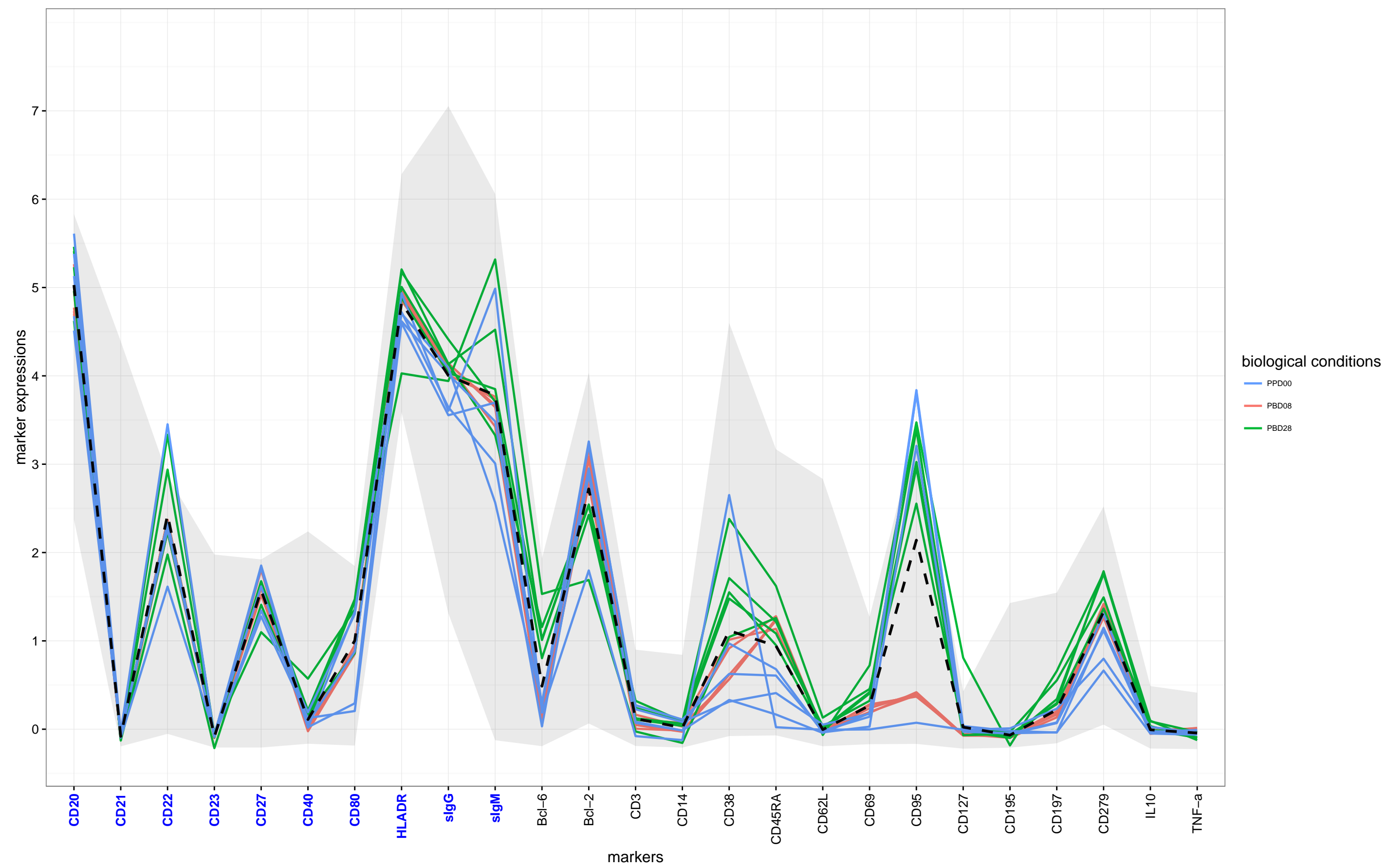


Kinetics Viewer – cluster: 52 (4 359 cells)

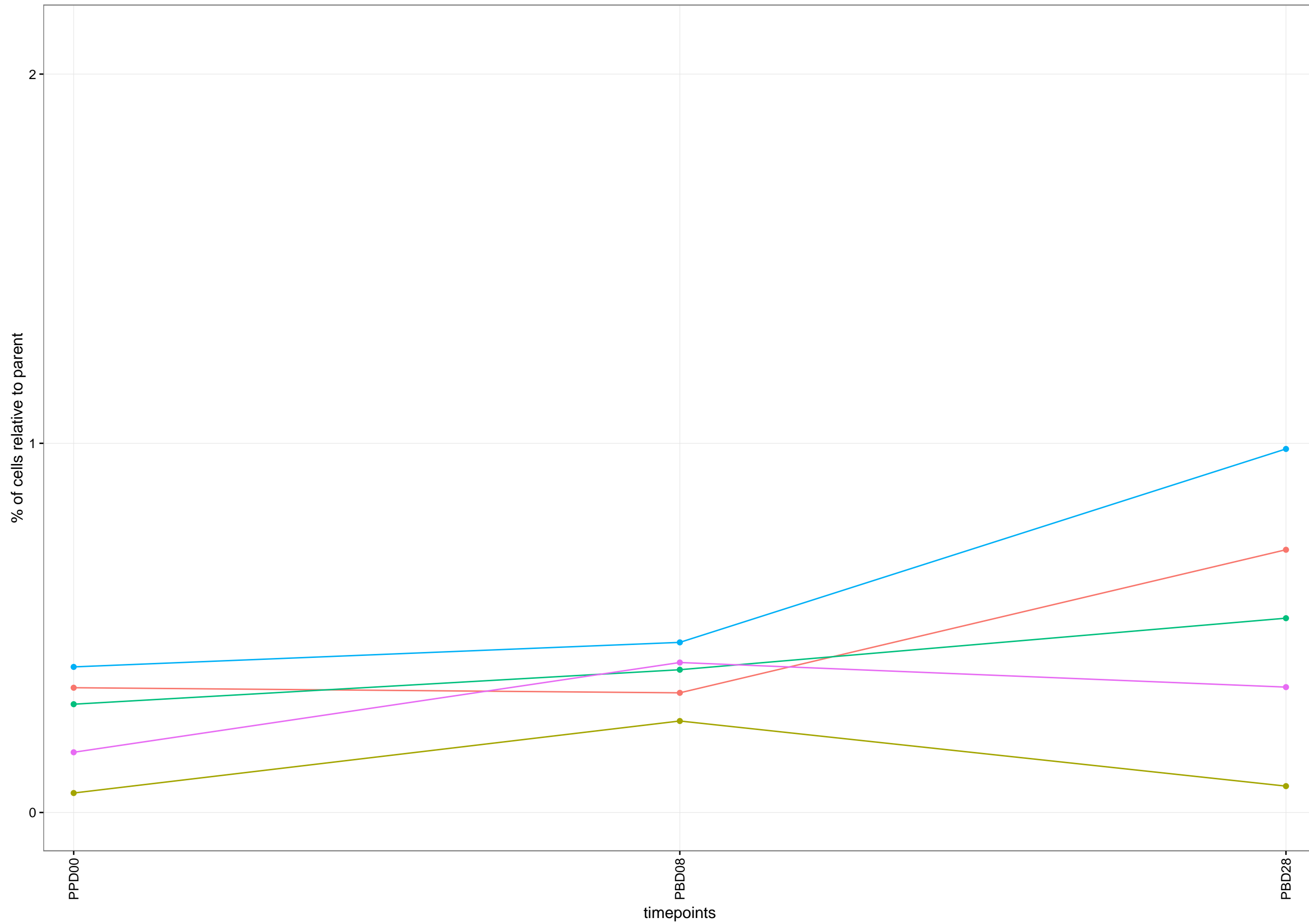


Pheno Viewer – cluster: 52 (4 359 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

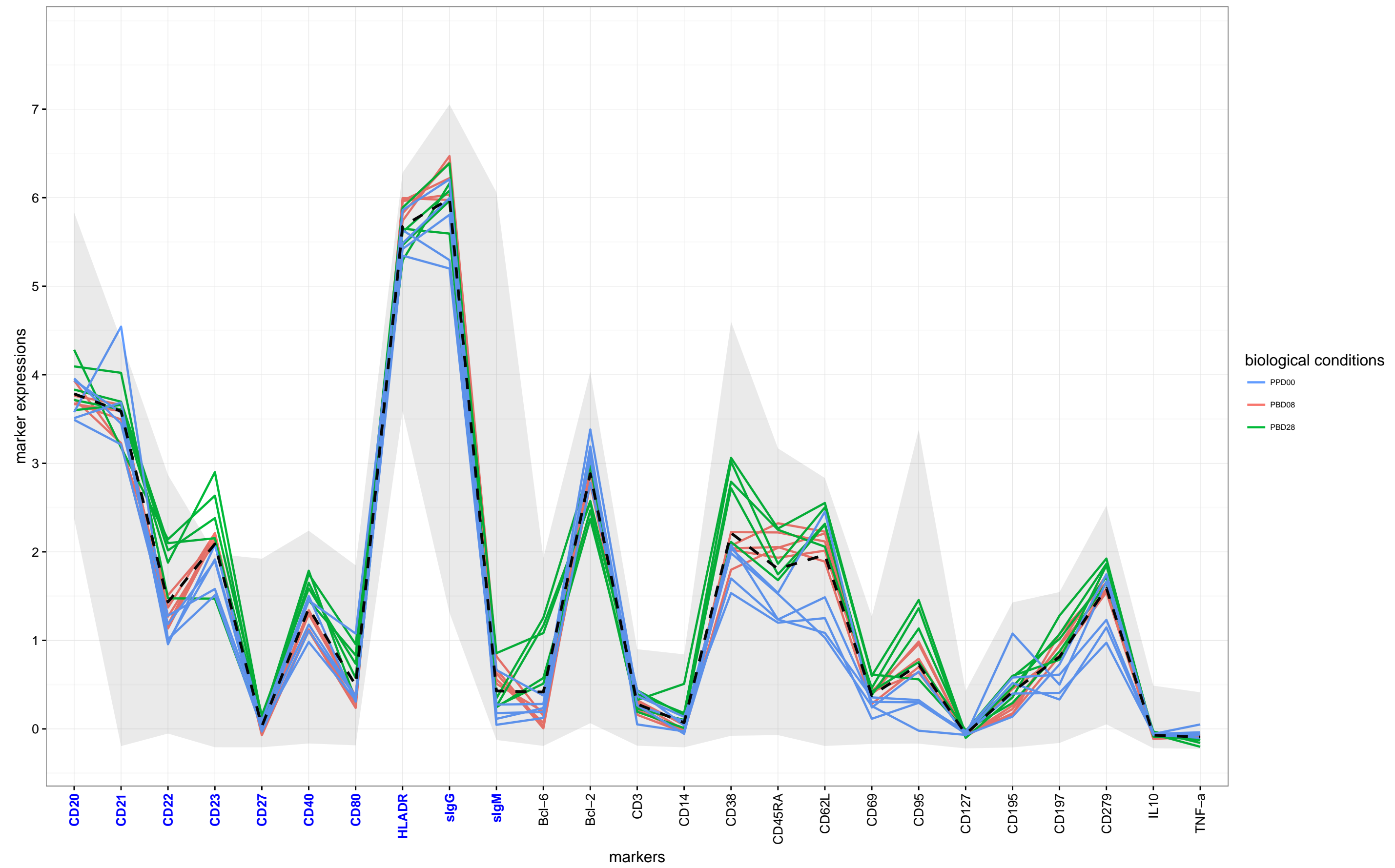


Kinetics Viewer – cluster: 53 (857 cells)

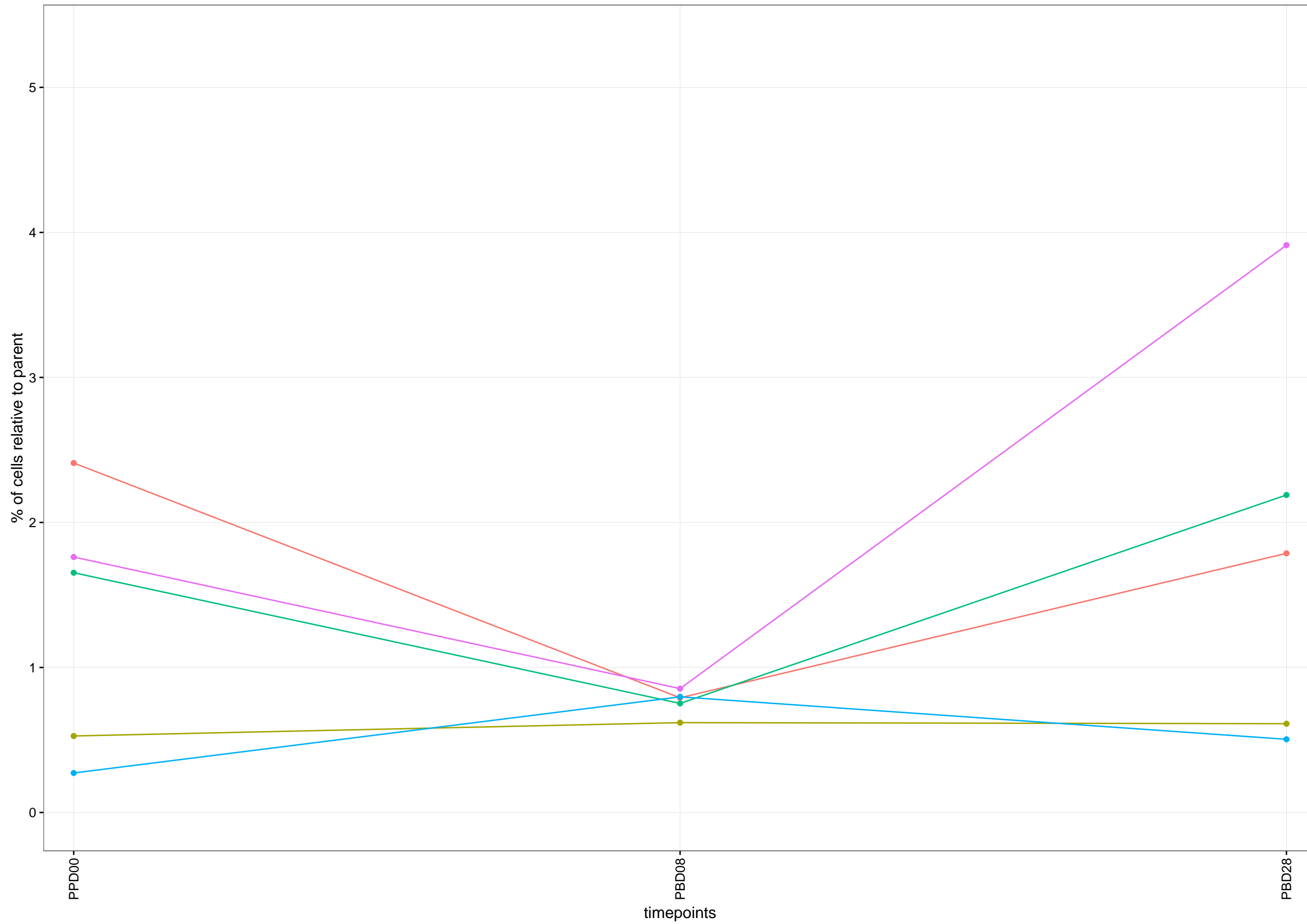


Pheno Viewer – cluster: 53 (857 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

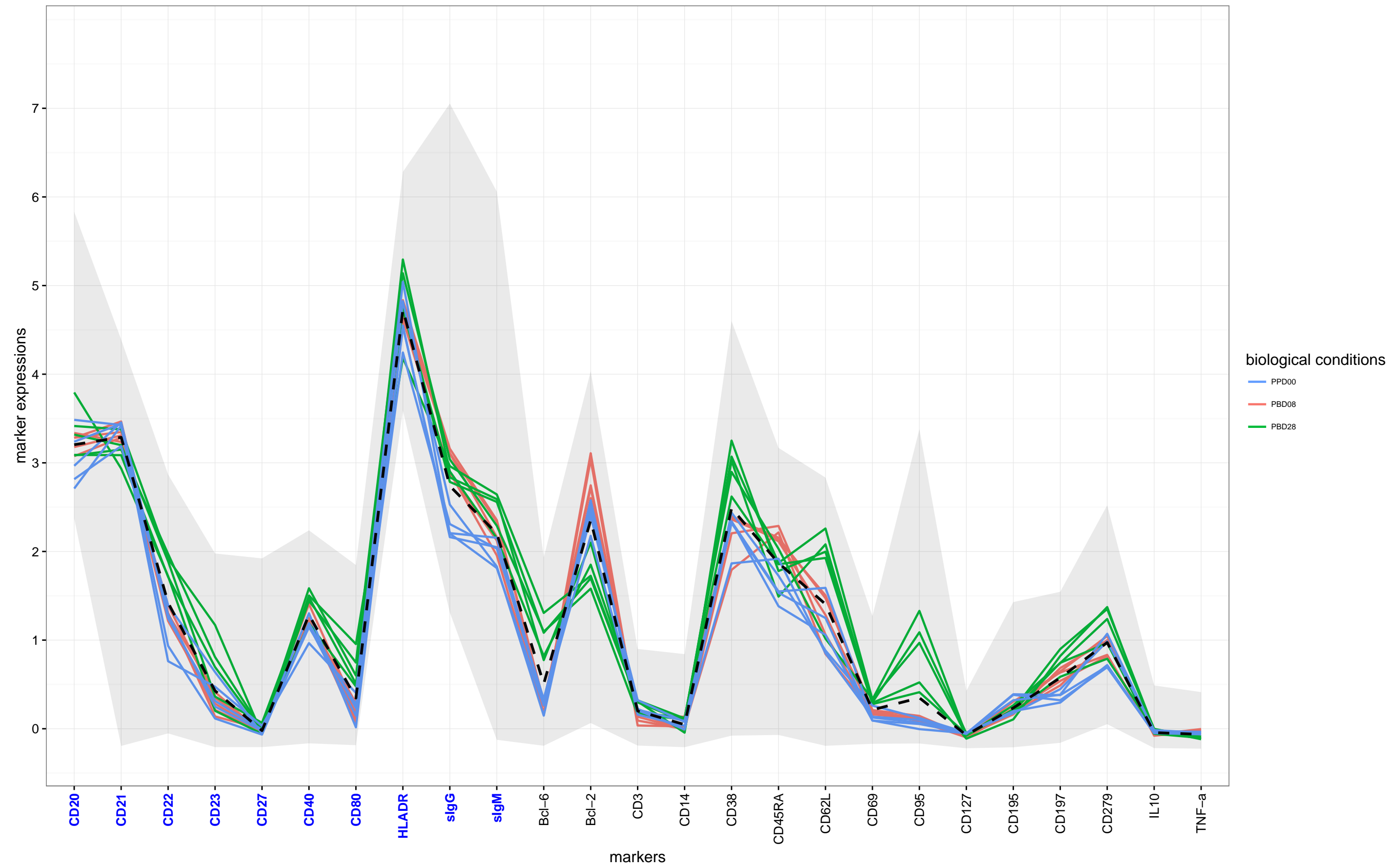


Kinetics Viewer – cluster: 54 (3 345 cells)



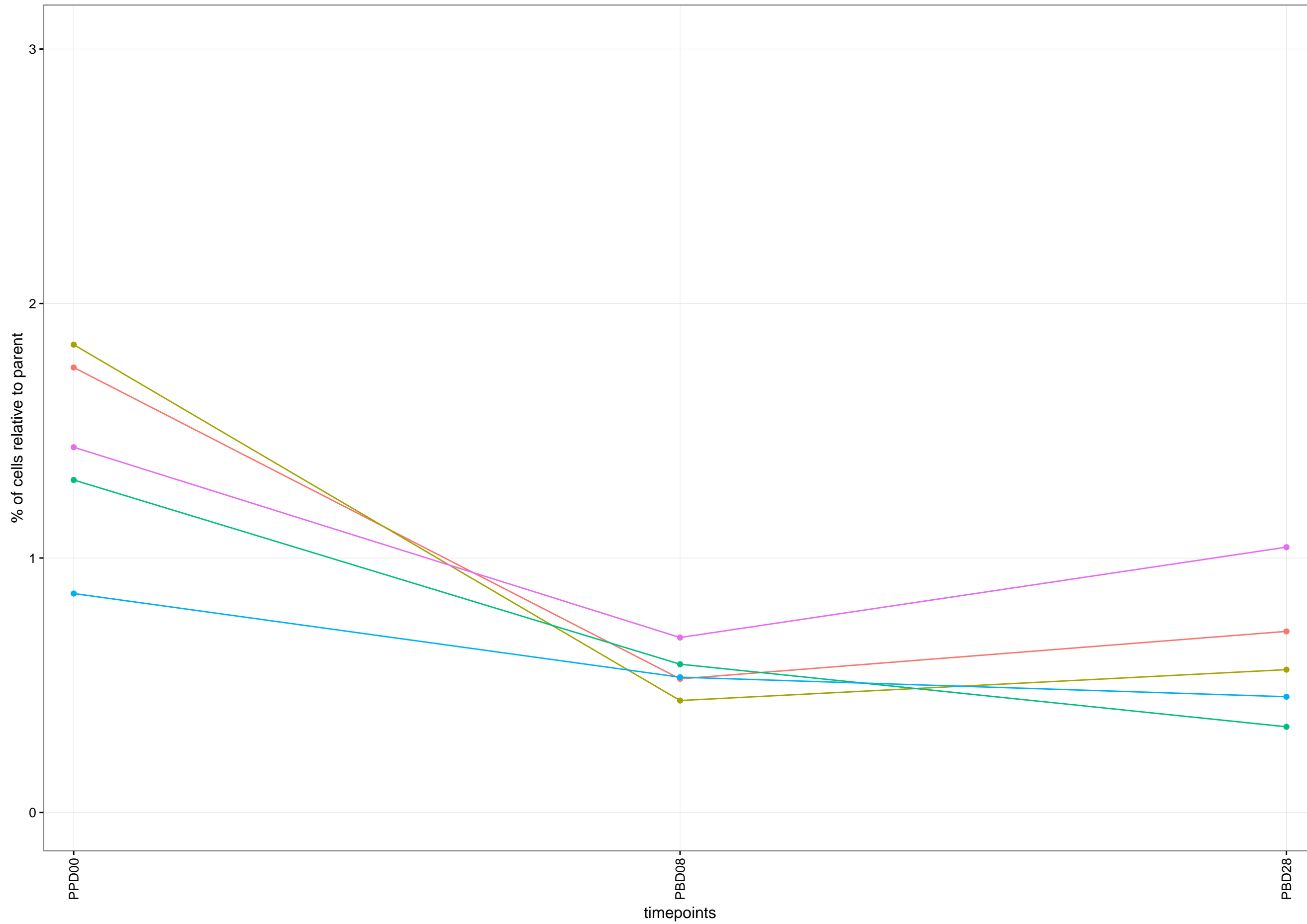
Pheno Viewer – cluster: 54 (3 345 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



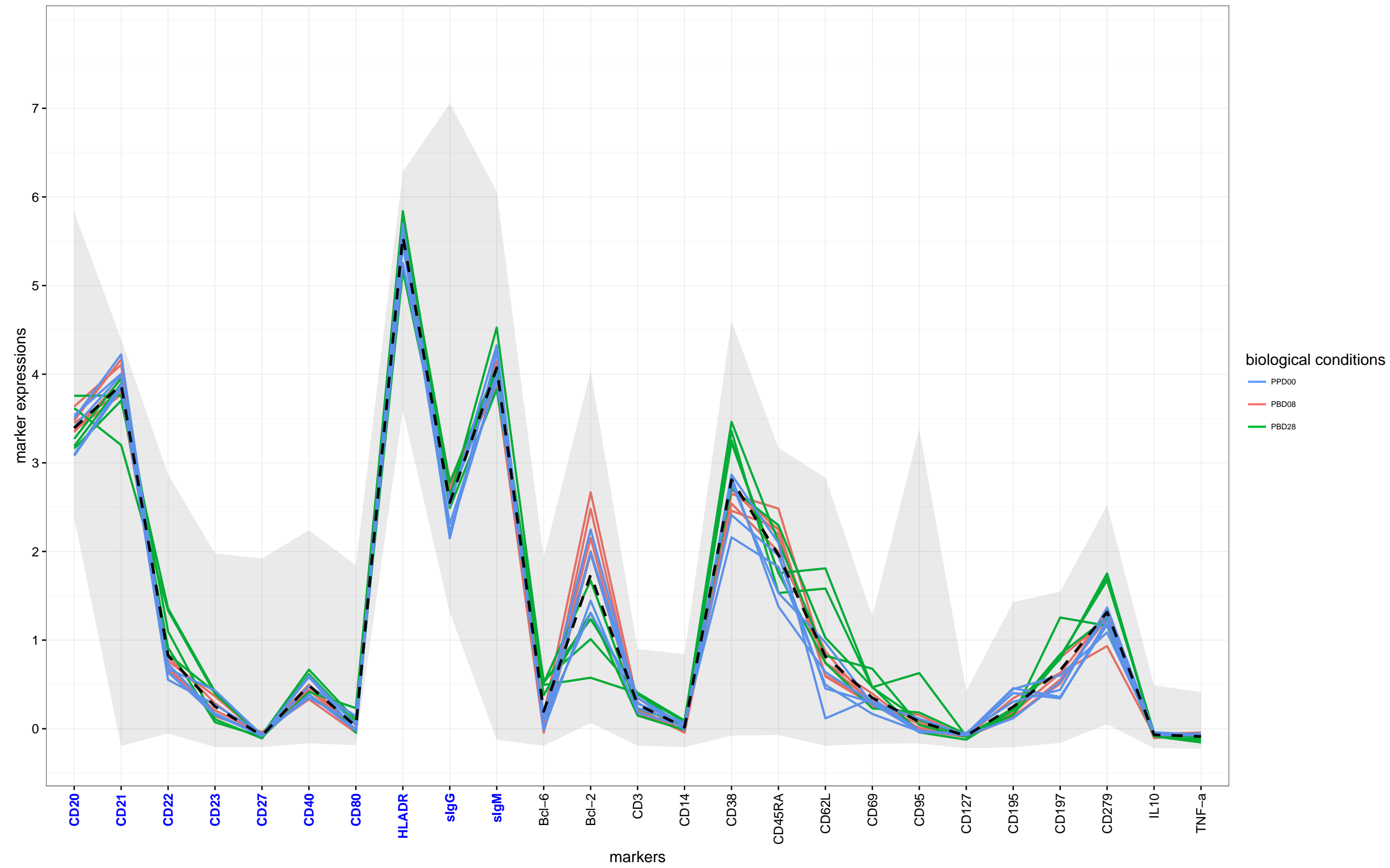


Kinetics Viewer – cluster: 55 (1 984 cells)

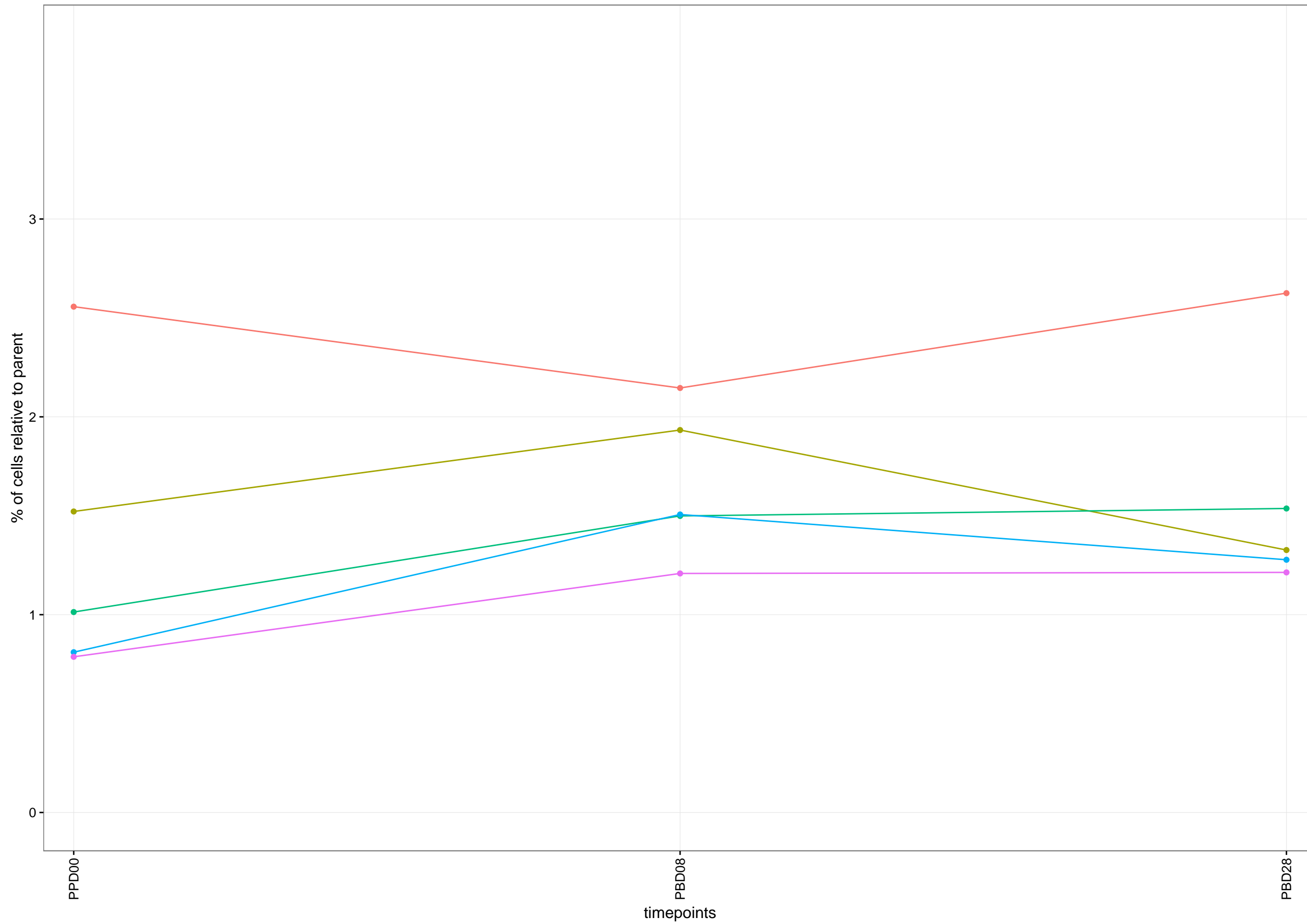


Pheno Viewer – cluster: 55 (1 984 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

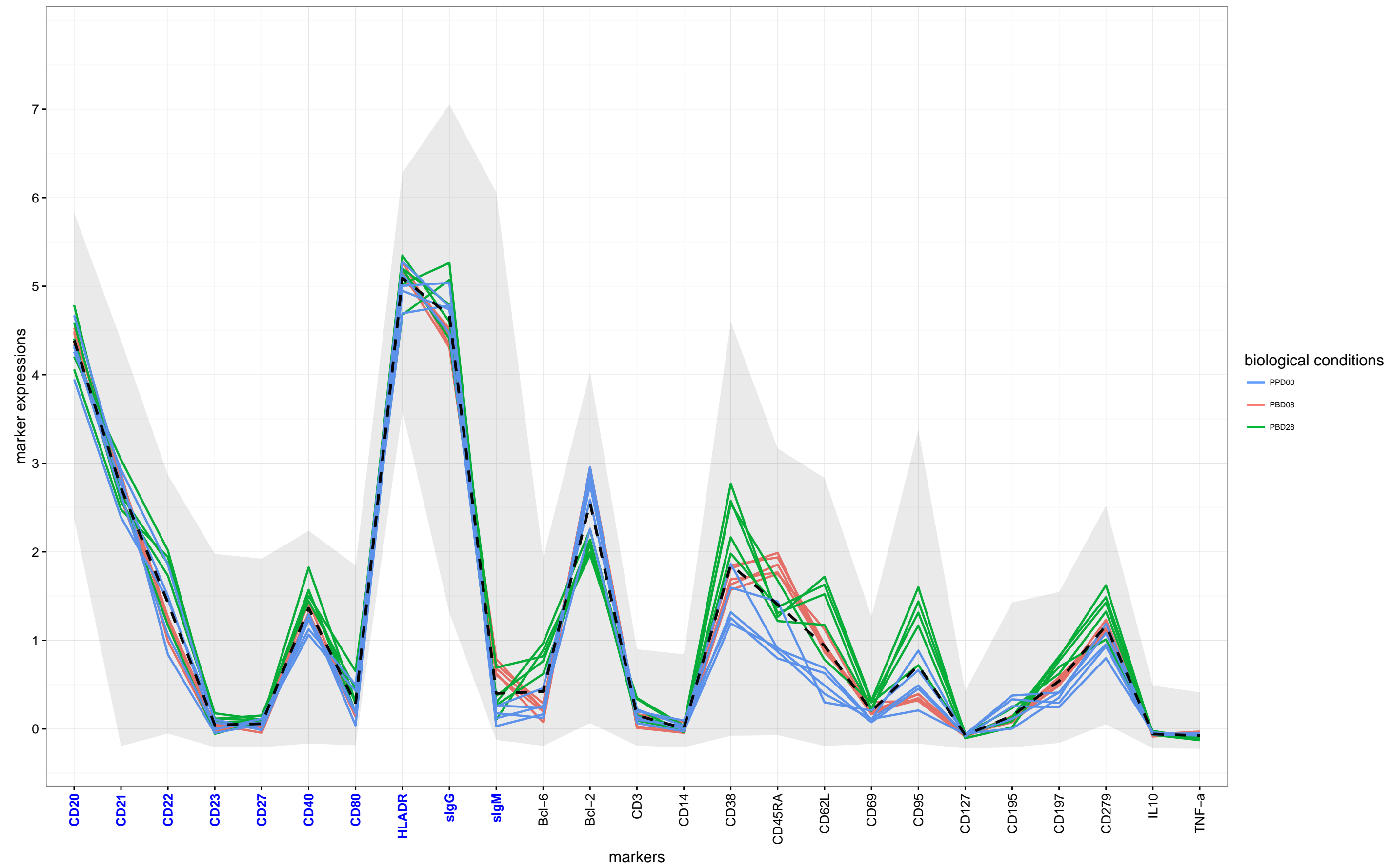


Kinetics Viewer – cluster: 56 (3 255 cells)

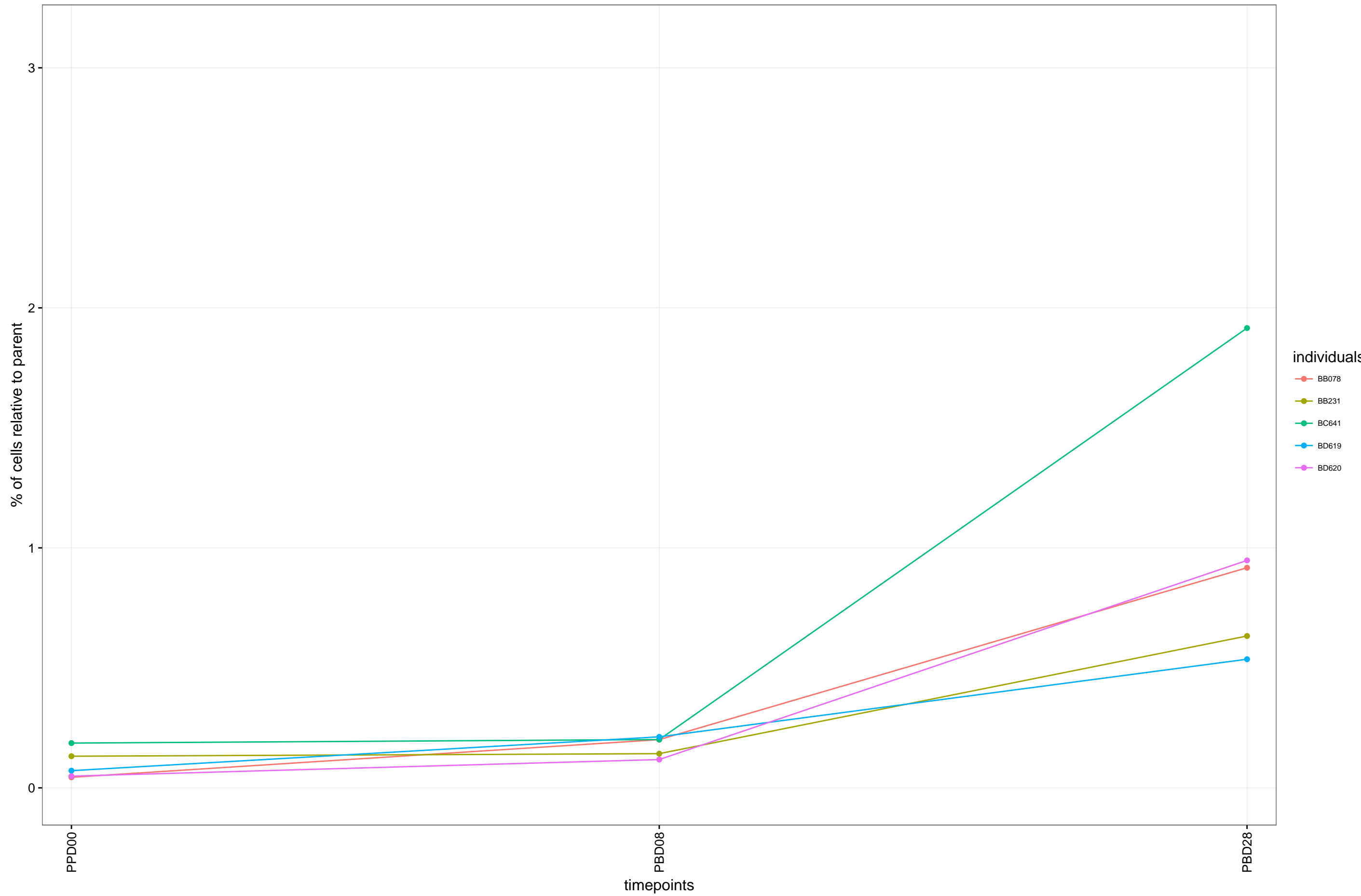


Pheno Viewer – cluster: 56 (3 255 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

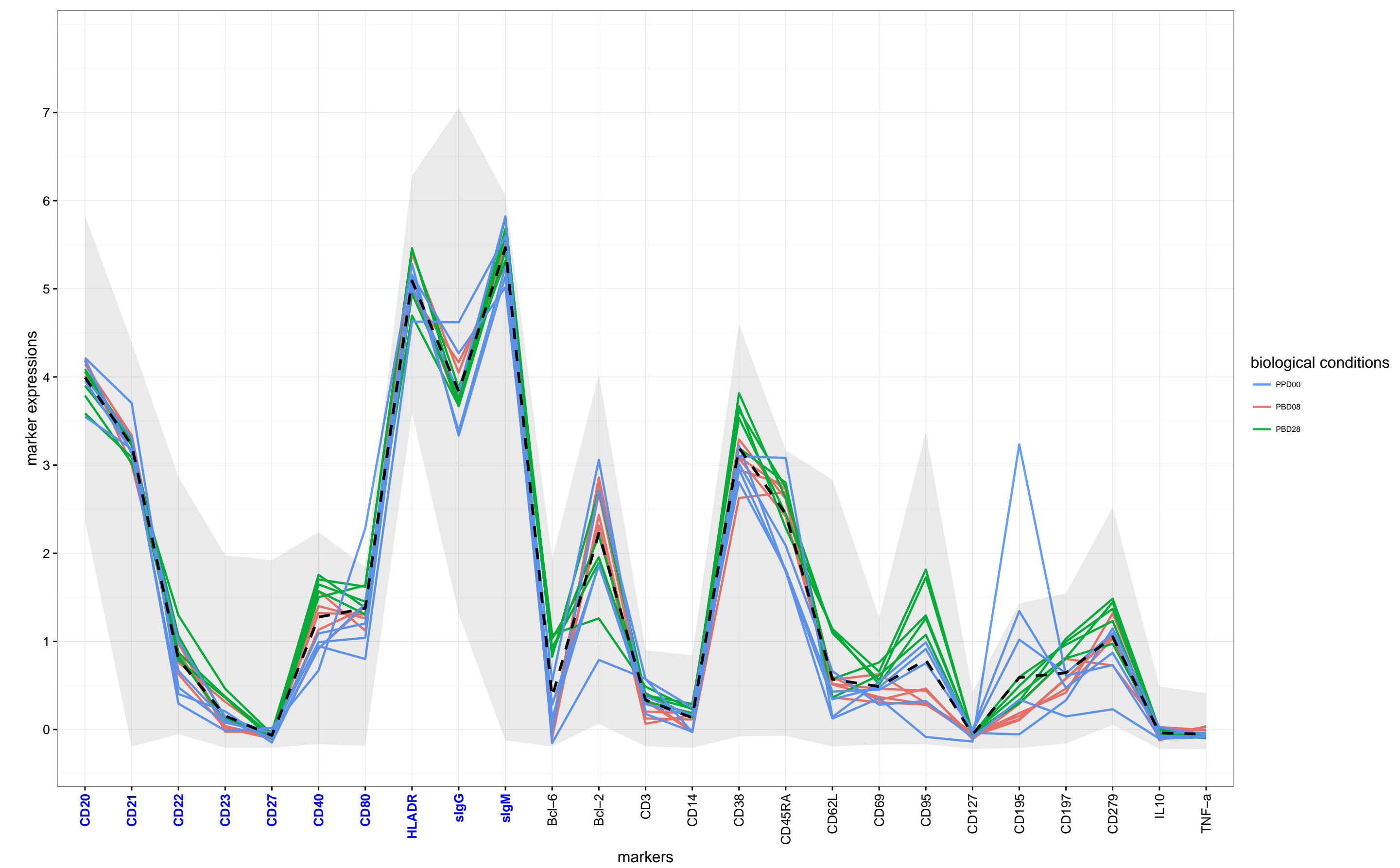


Kinetics Viewer – cluster: 57 (866 cells)

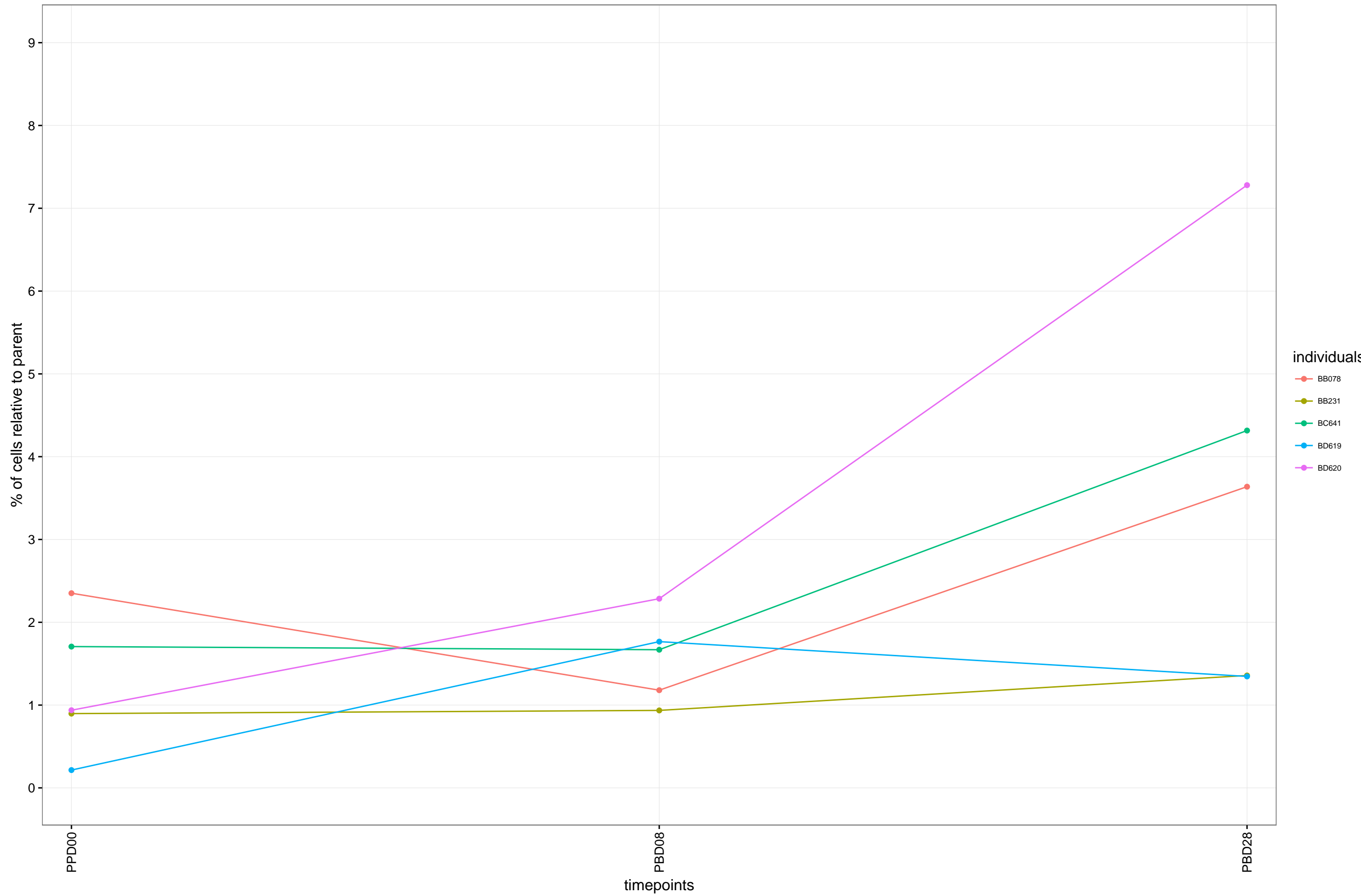


Pheno Viewer – cluster: 57 (866 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

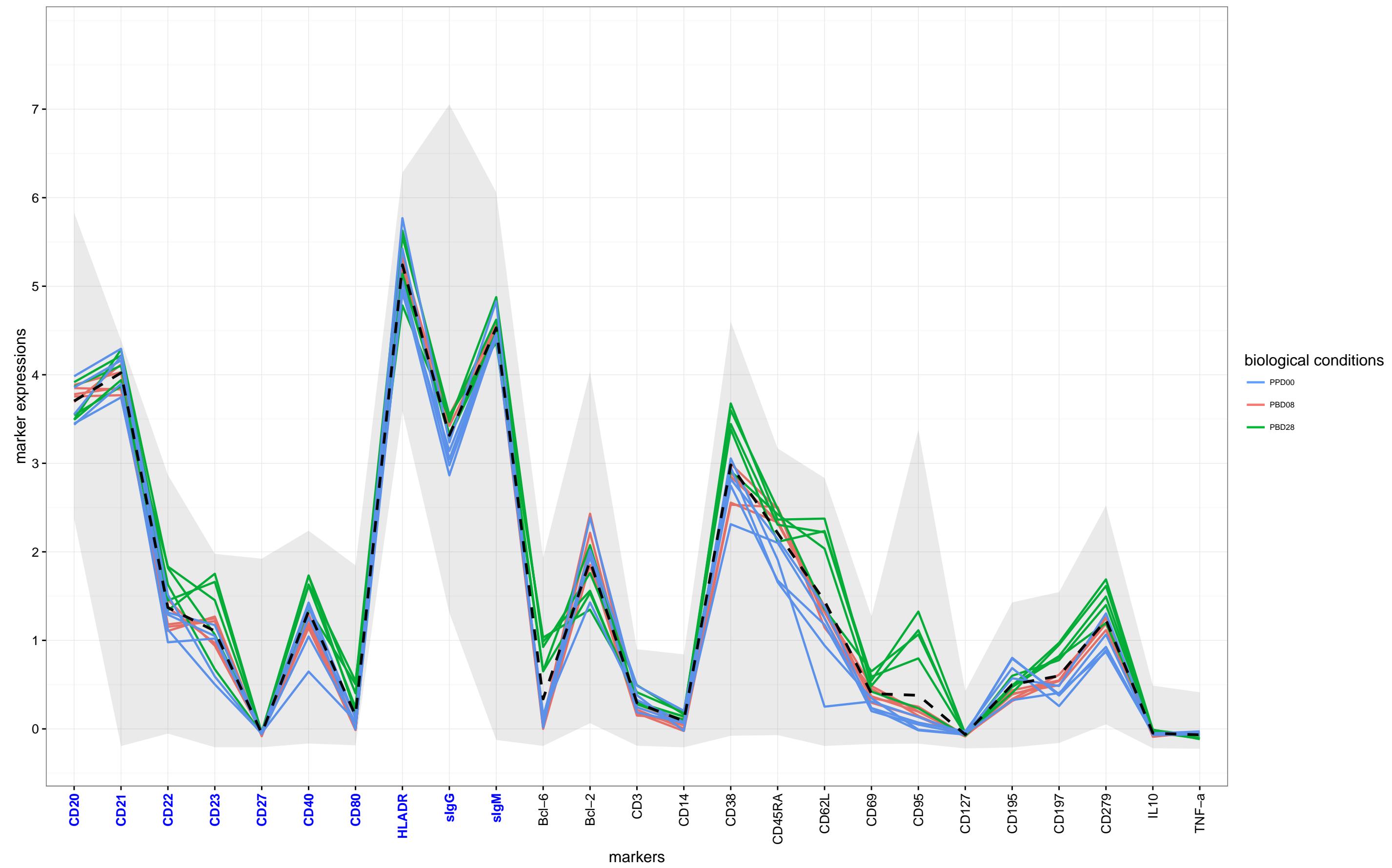


Kinetics Viewer – cluster: 58 (5 740 cells)

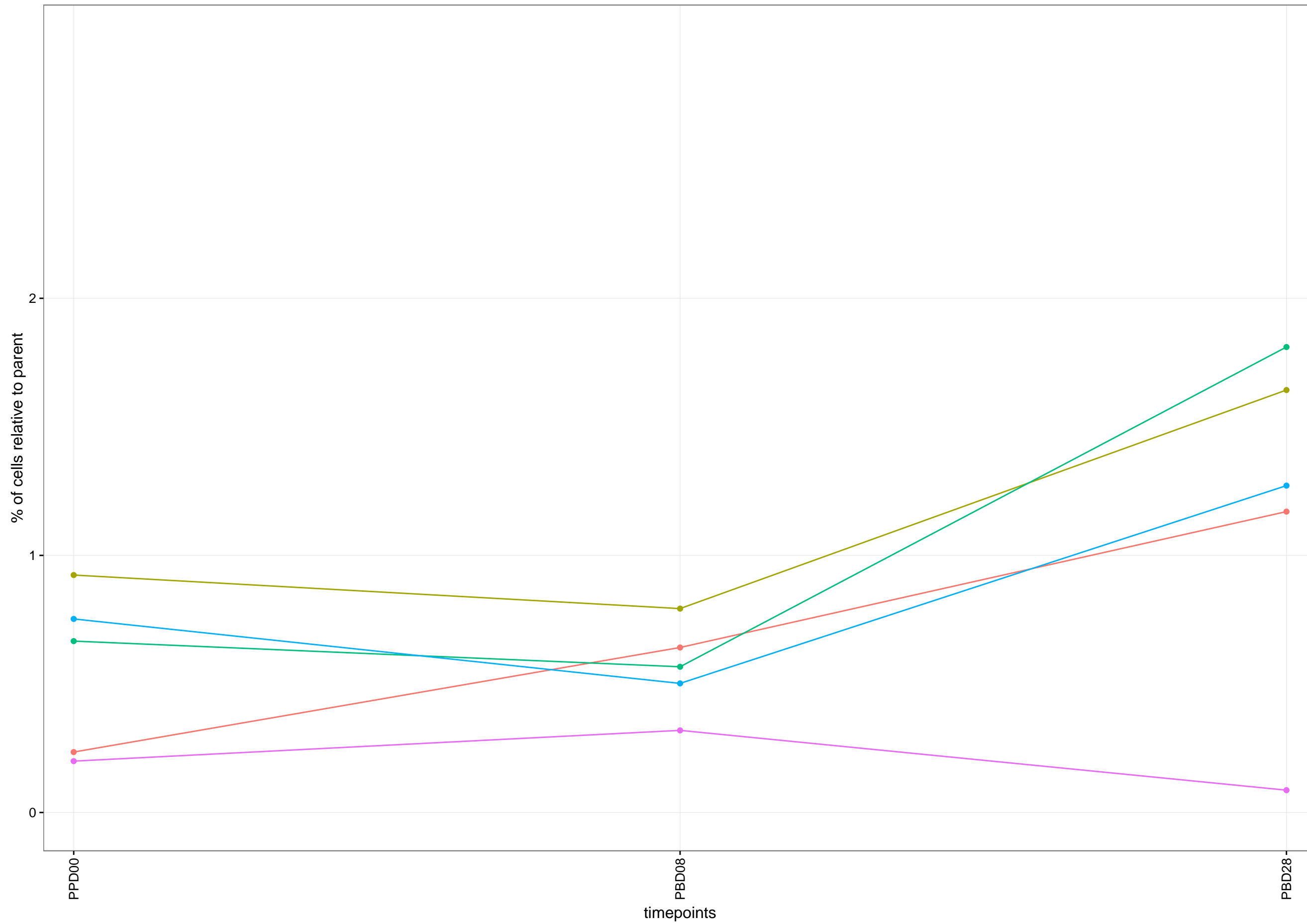


Pheno Viewer – cluster: 58 (5 740 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

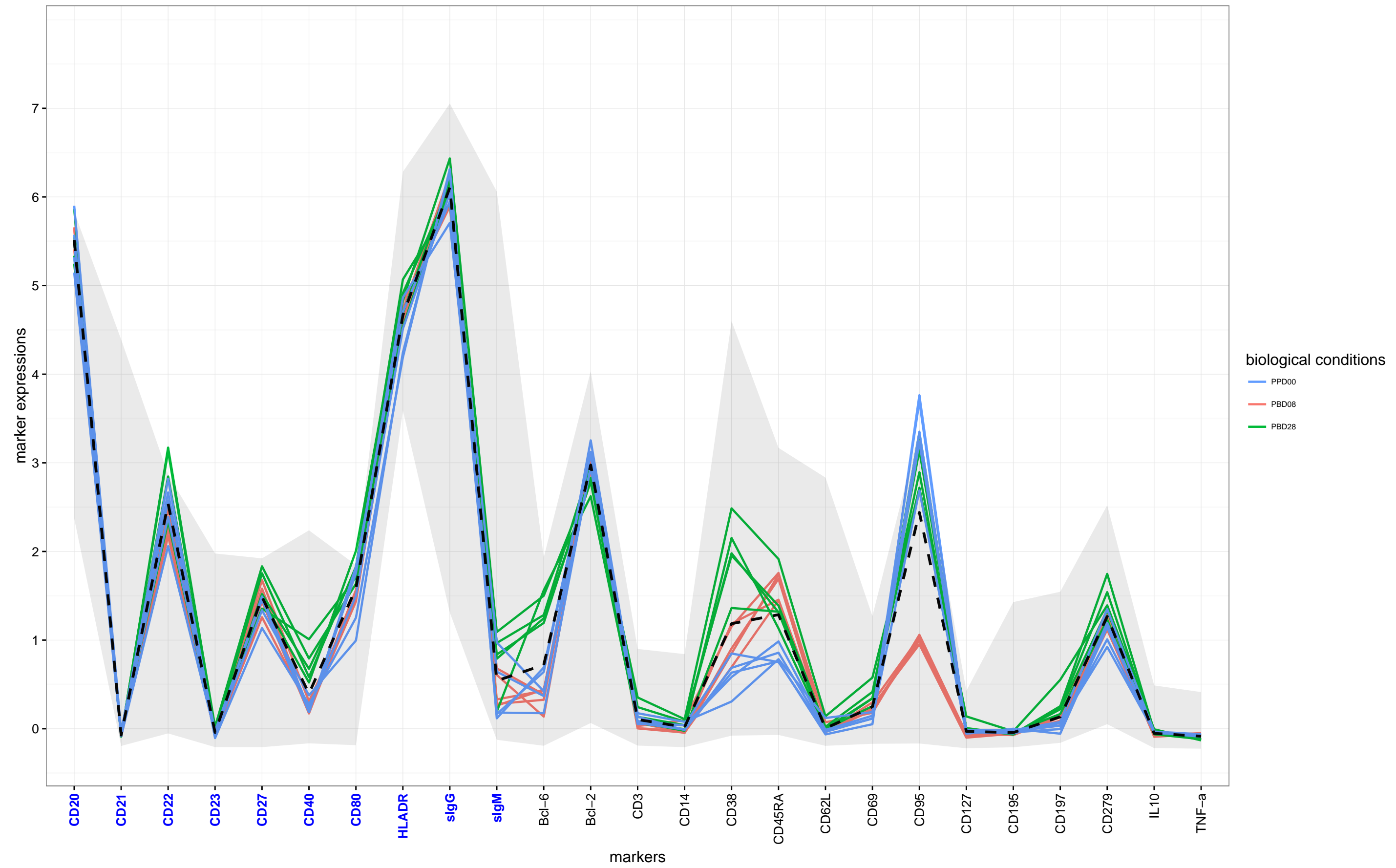


Kinetics Viewer – cluster: 59 (1 369 cells)



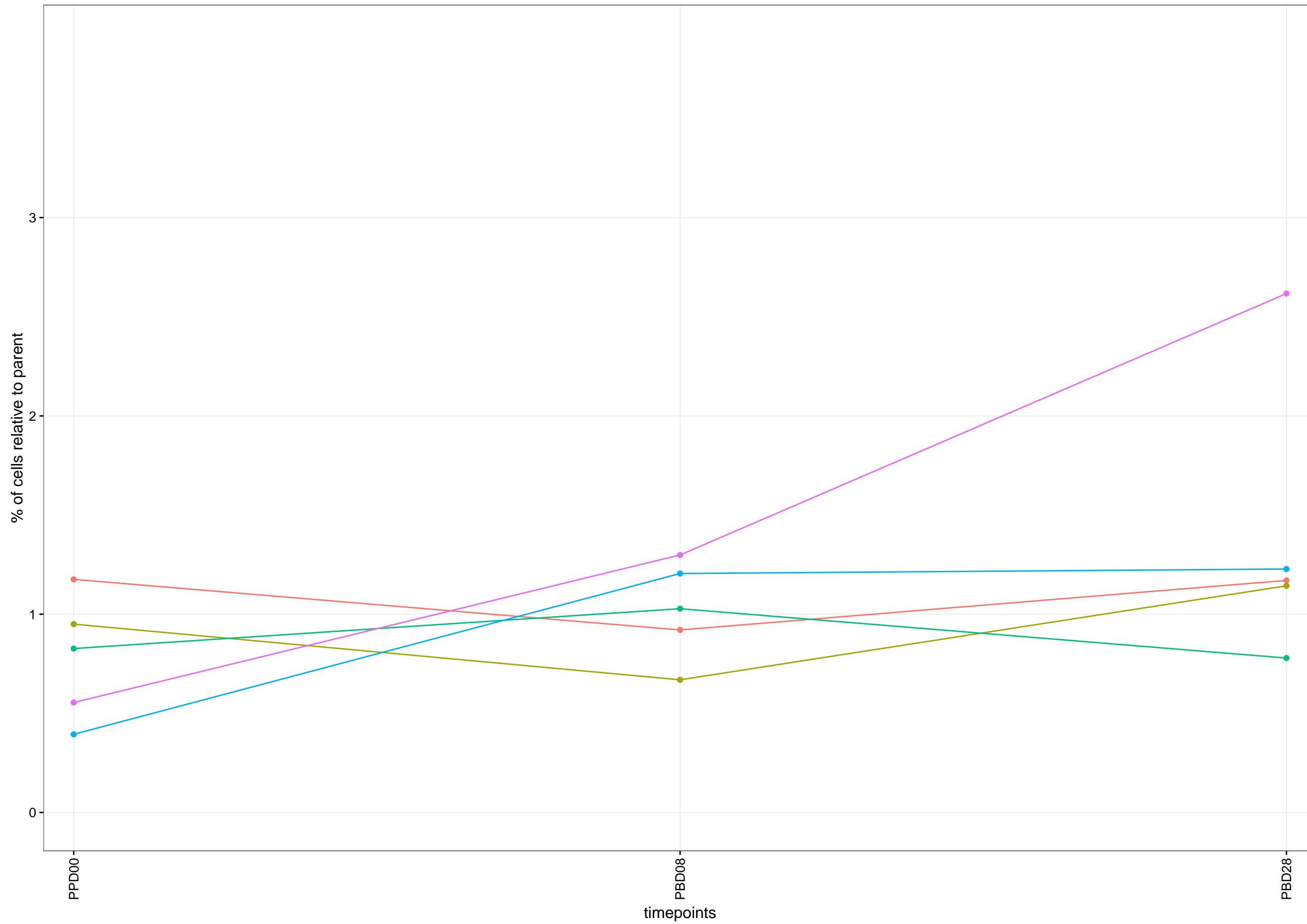
Pheno Viewer – cluster: 59 (1 369 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



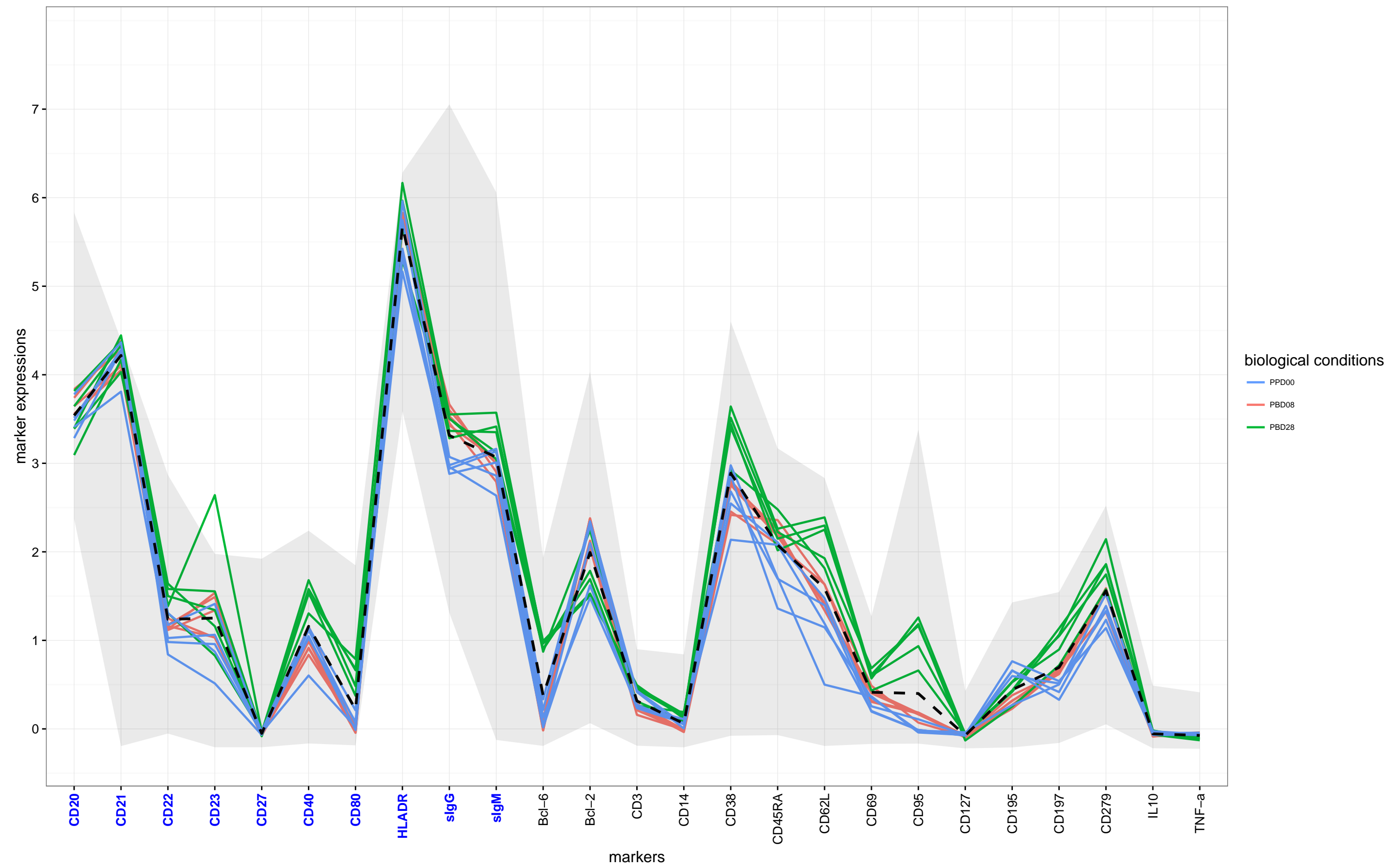


Kinetics Viewer – cluster: 60 (2 846 cells)

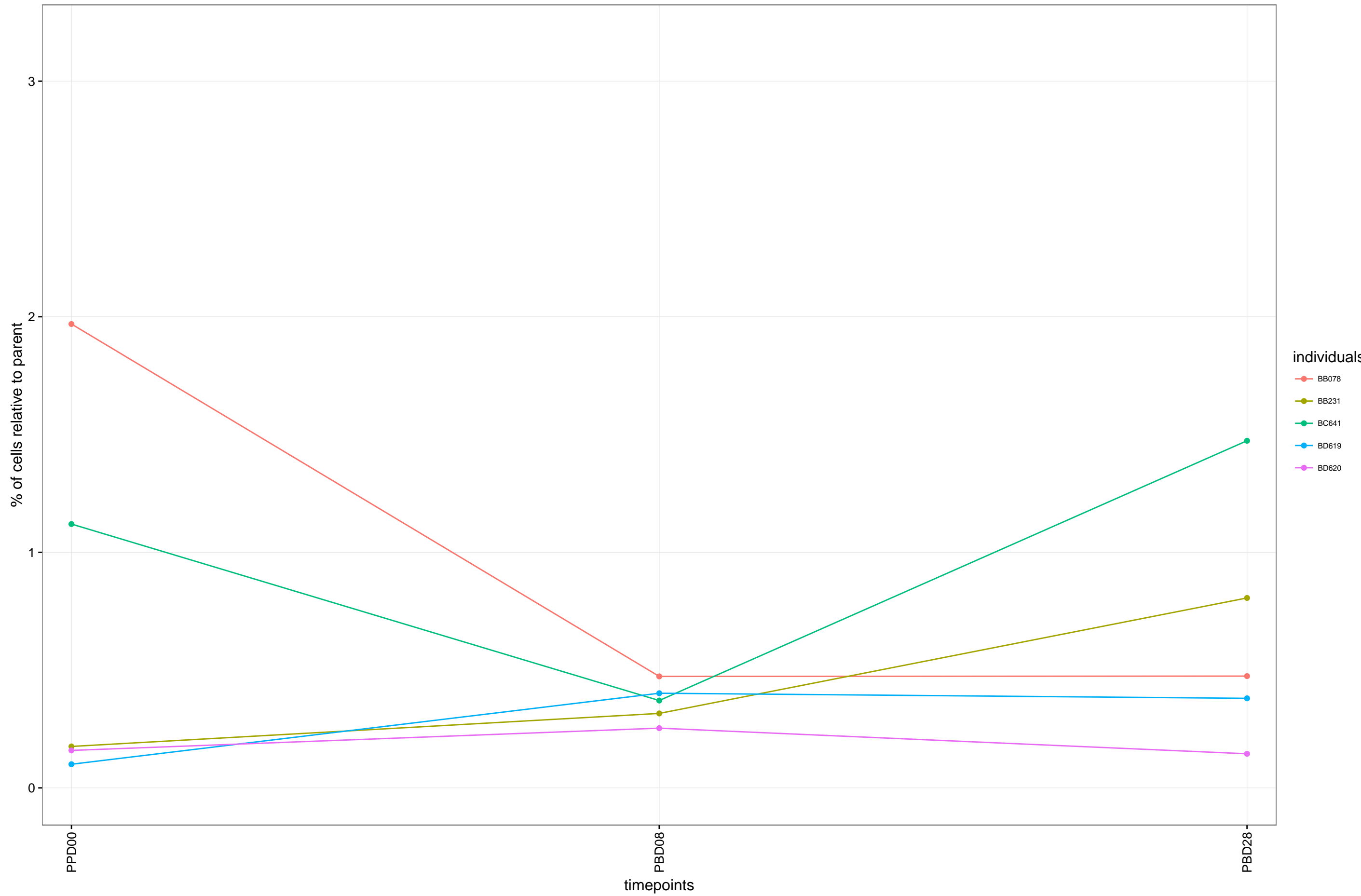


Pheno Viewer – cluster: 60 (2 846 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

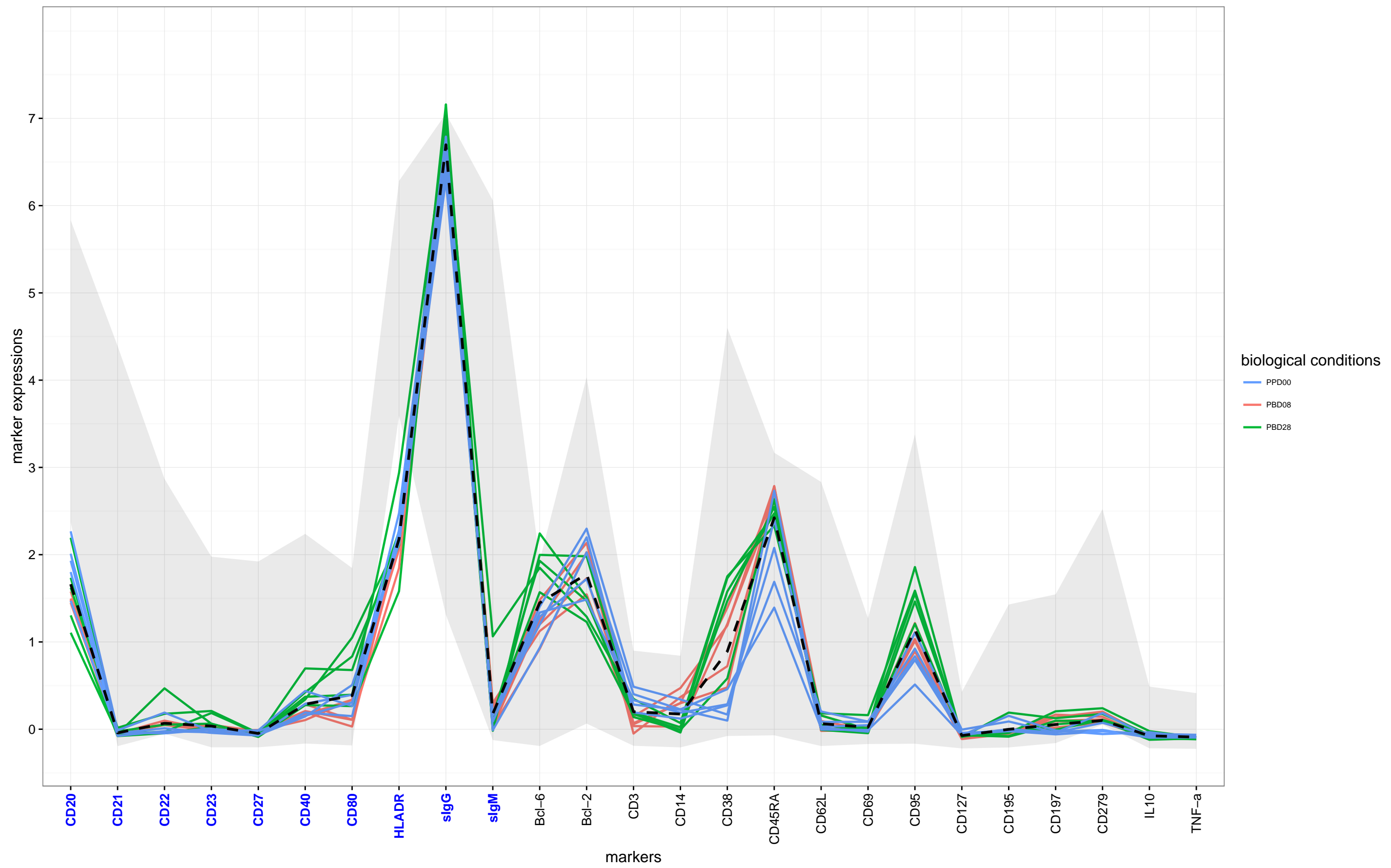


Kinetics Viewer – cluster: 61 (879 cells)

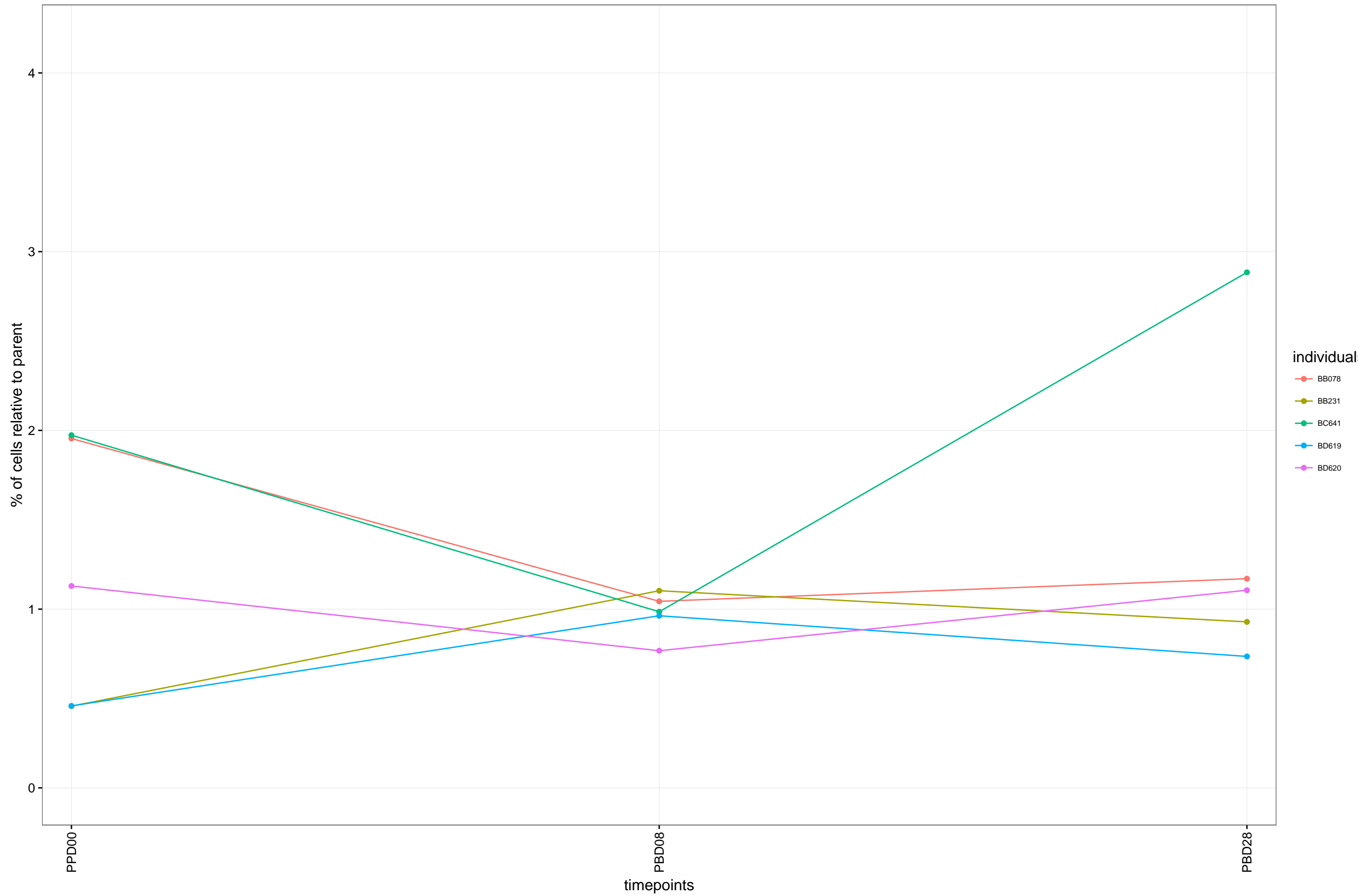


Pheno Viewer – cluster: 61 (879 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

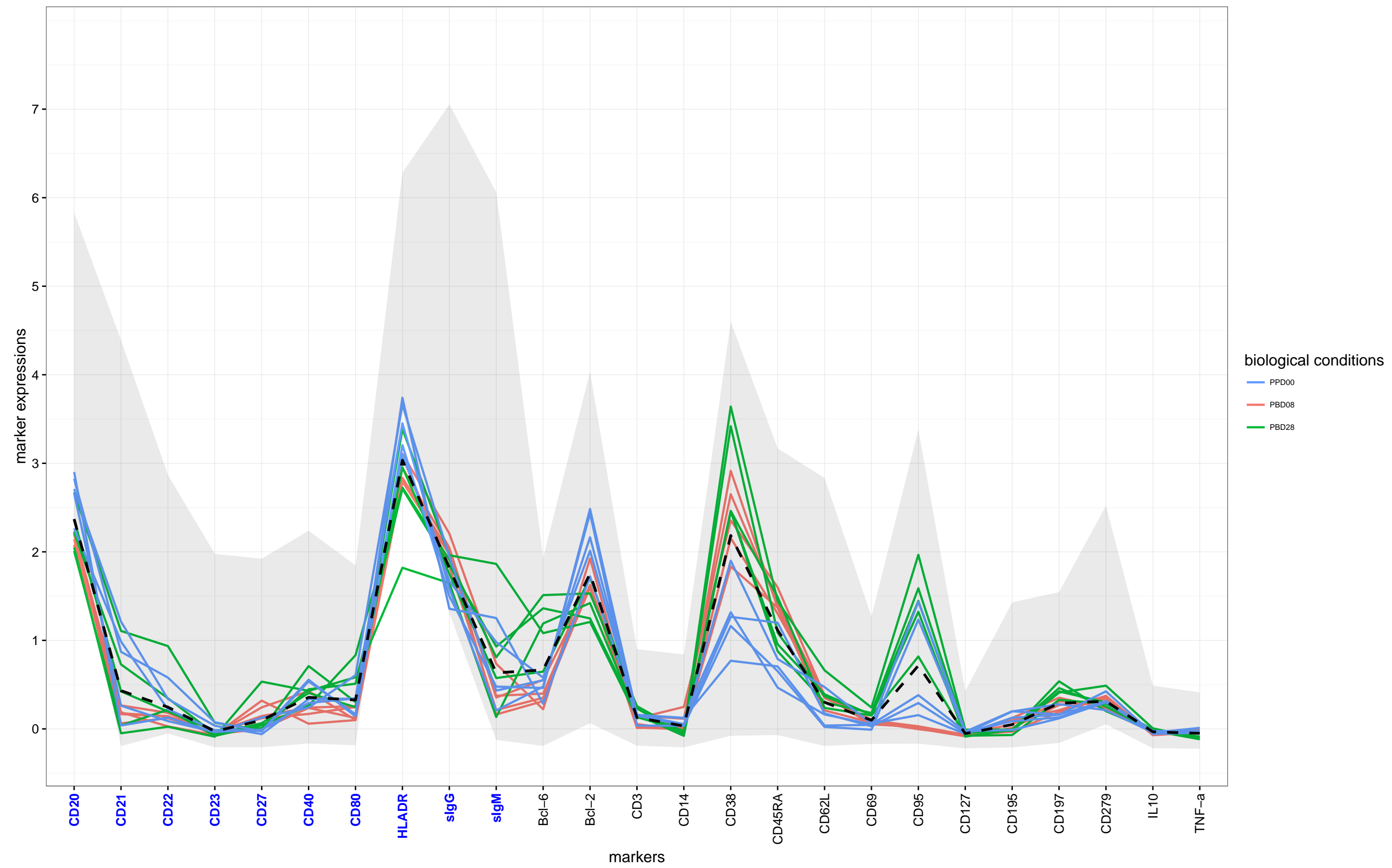


Kinetics Viewer – cluster: 62 (2 349 cells)

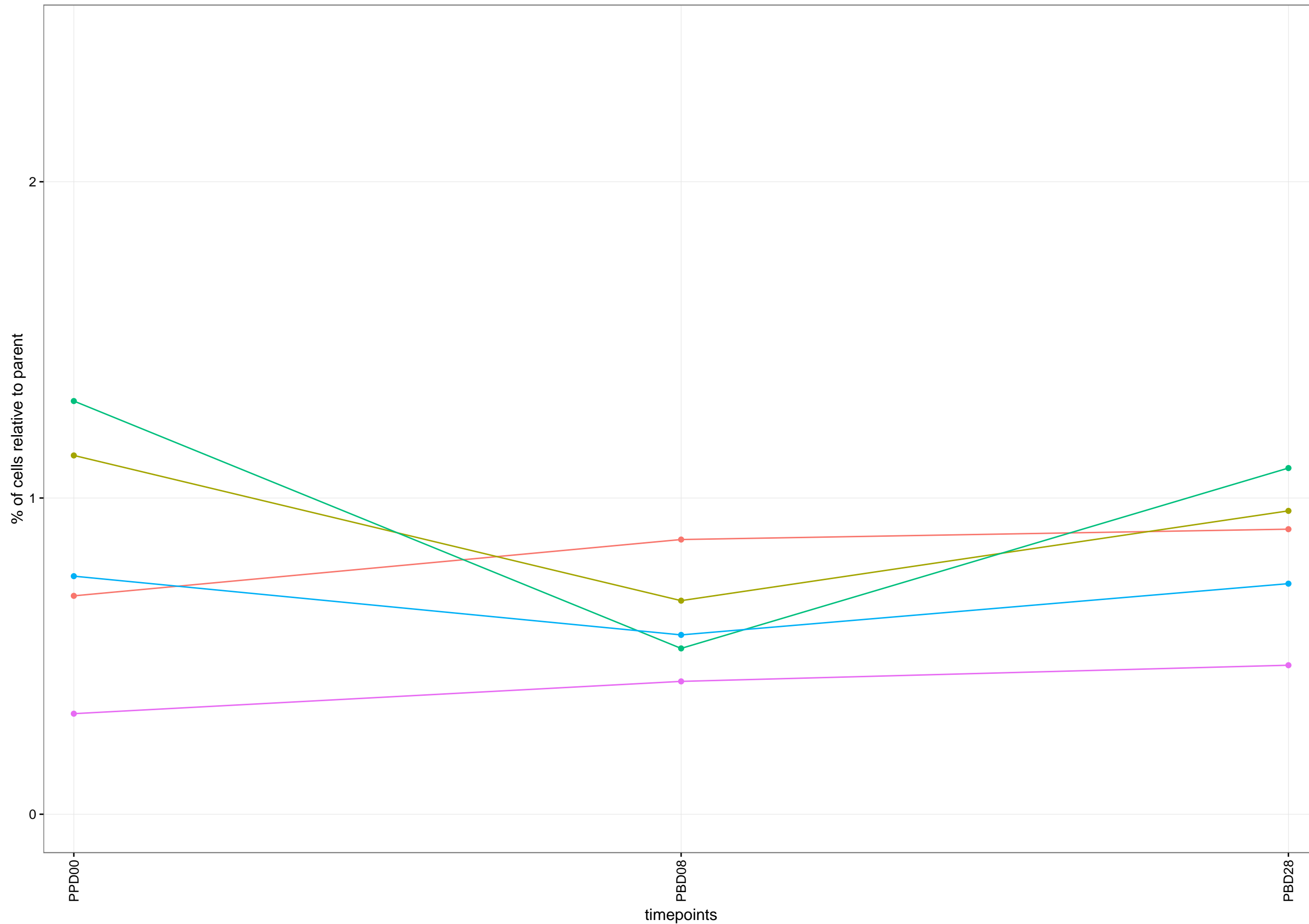


Pheno Viewer – cluster: 62 (2 349 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

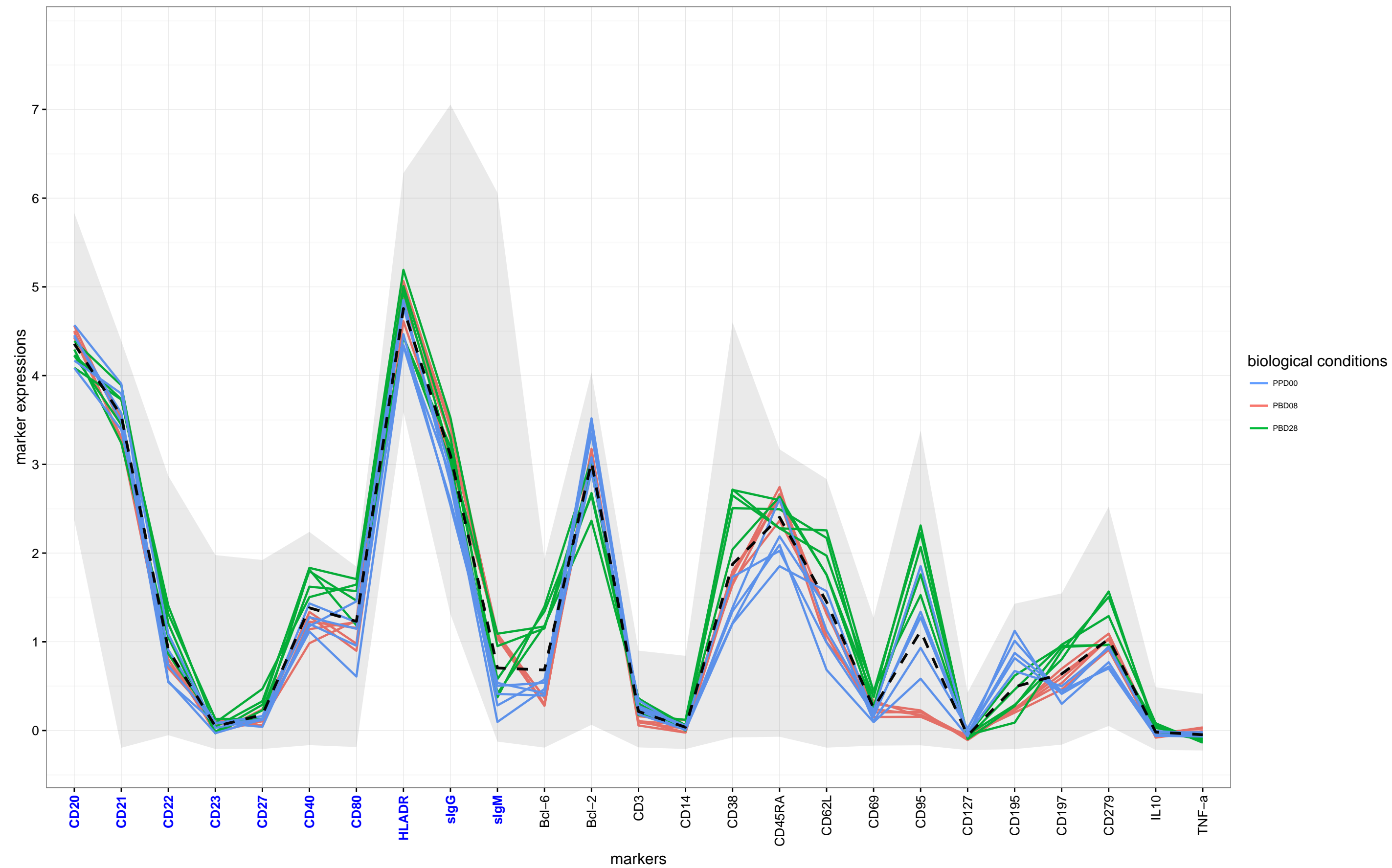


Kinetics Viewer – cluster: 63 (1 466 cells)

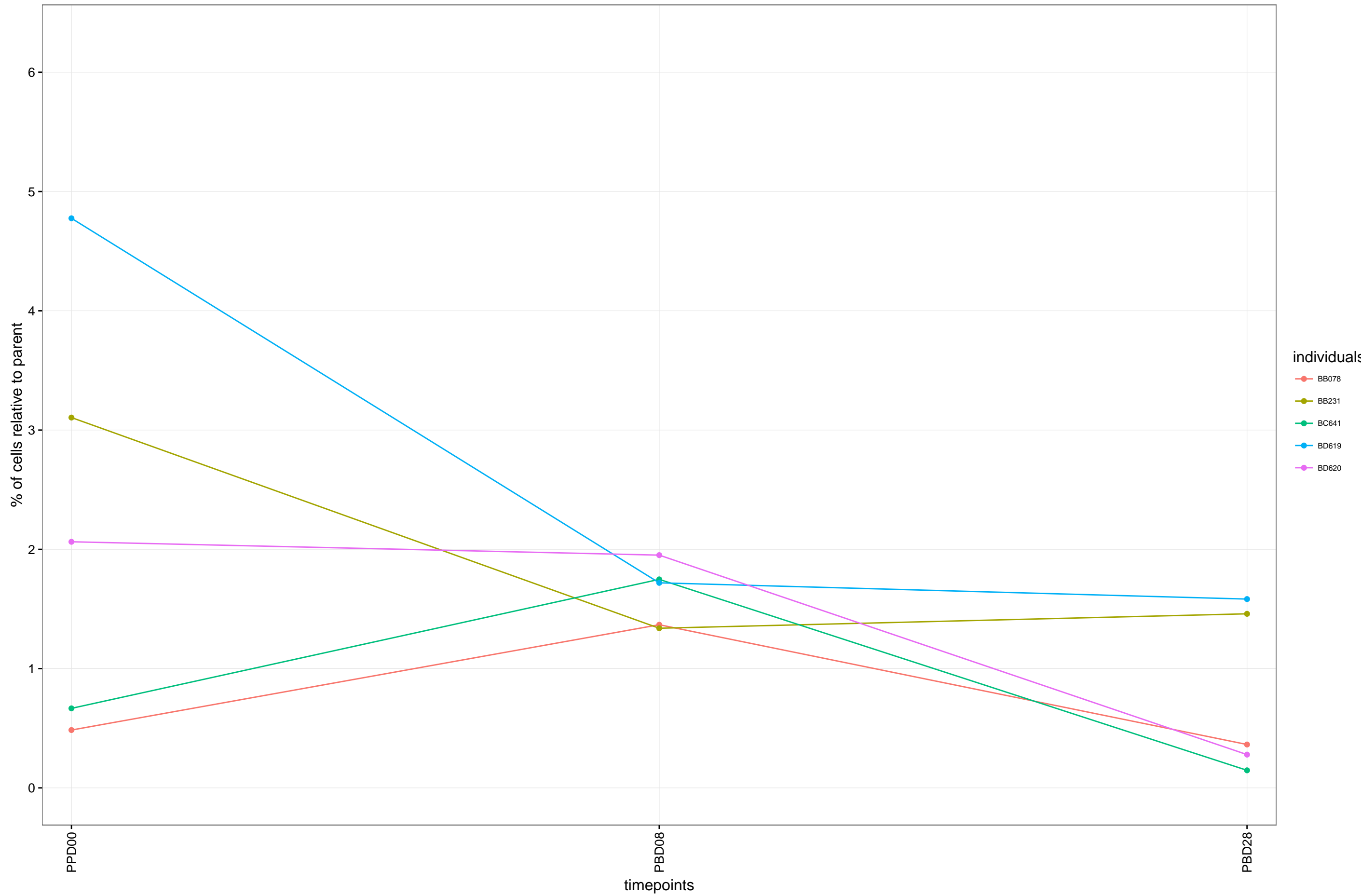


Pheno Viewer – cluster: 63 (1 466 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

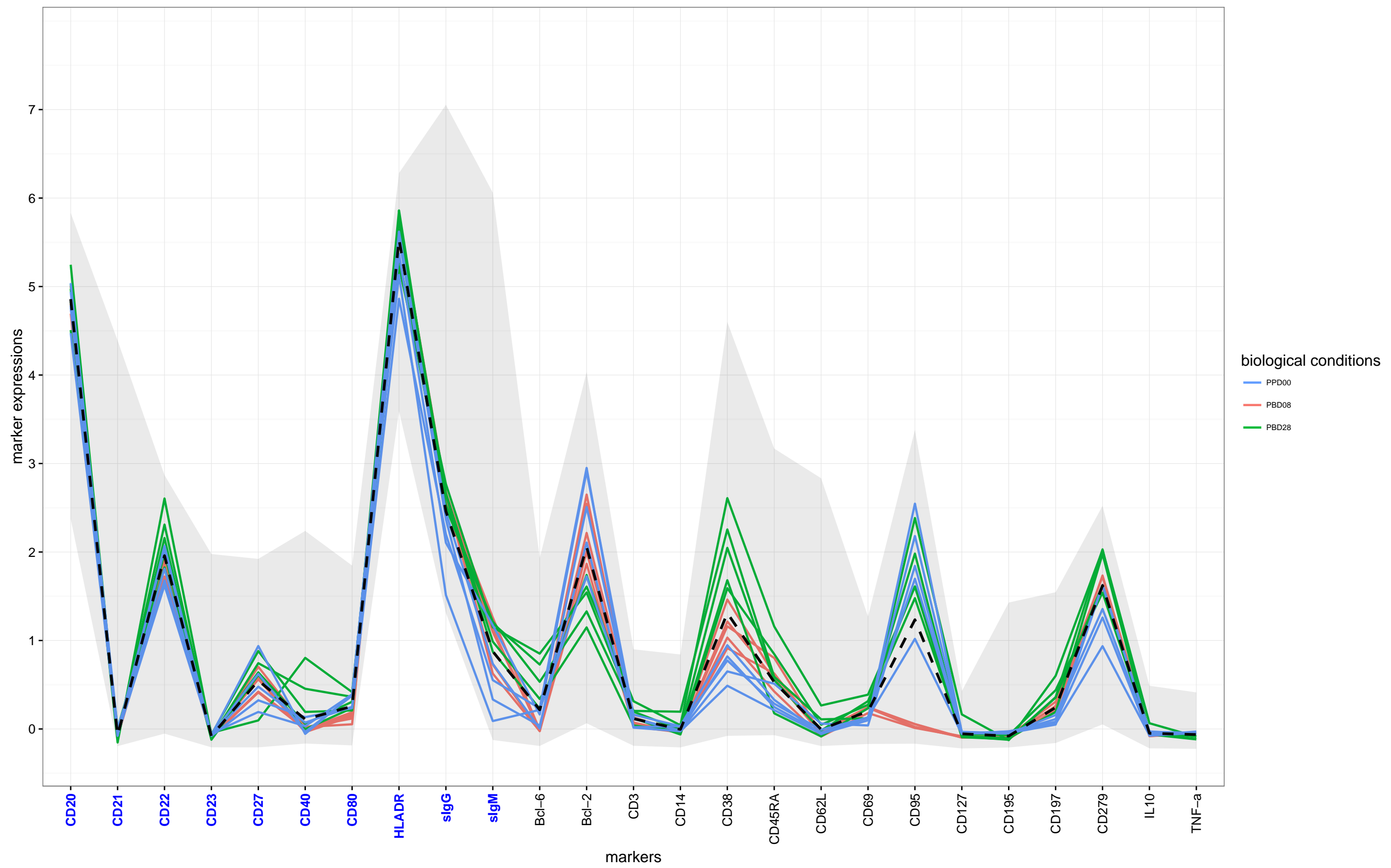


Kinetics Viewer – cluster: 64 (3 726 cells)



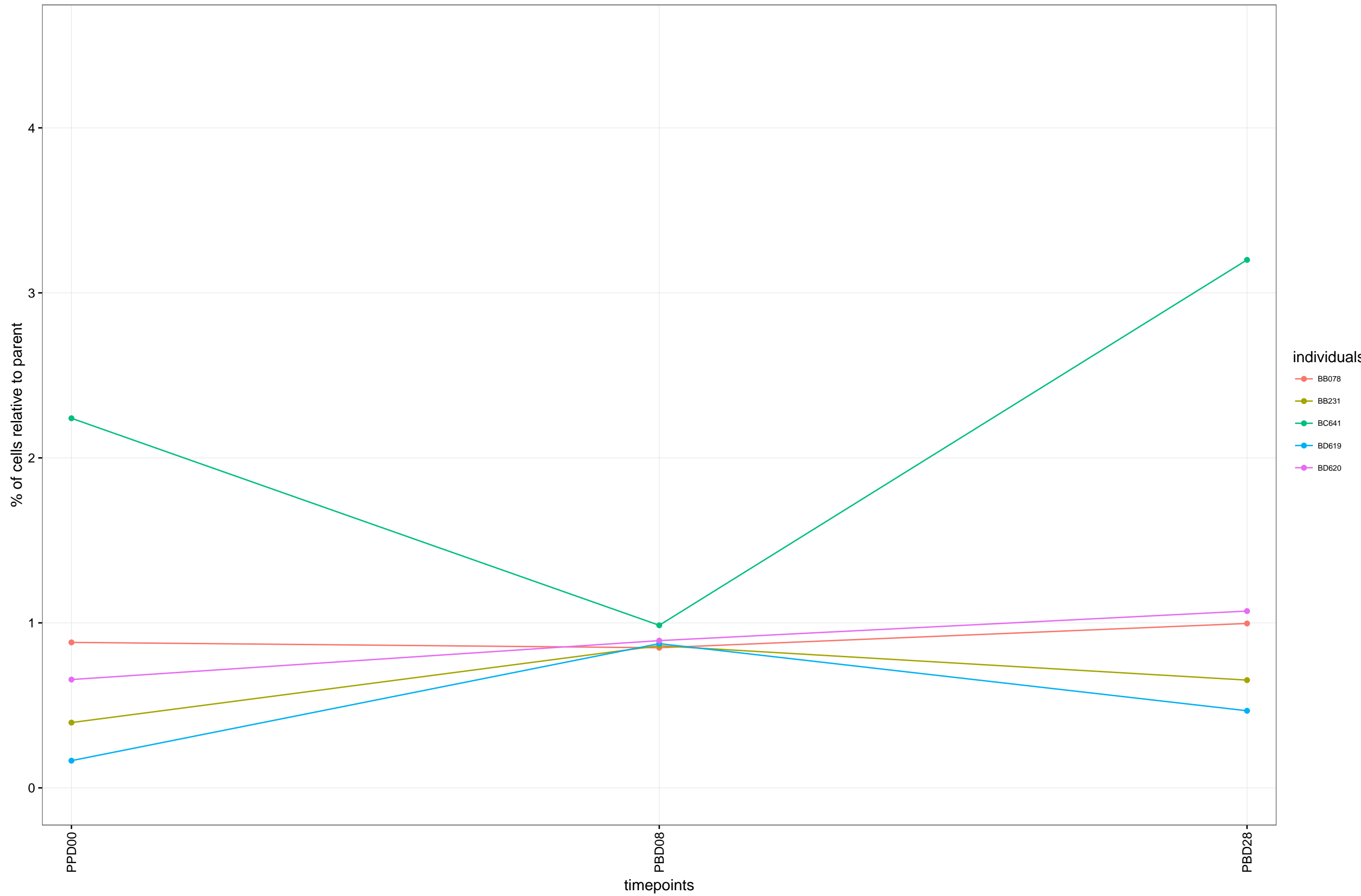
Pheno Viewer – cluster: 64 (3 726 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



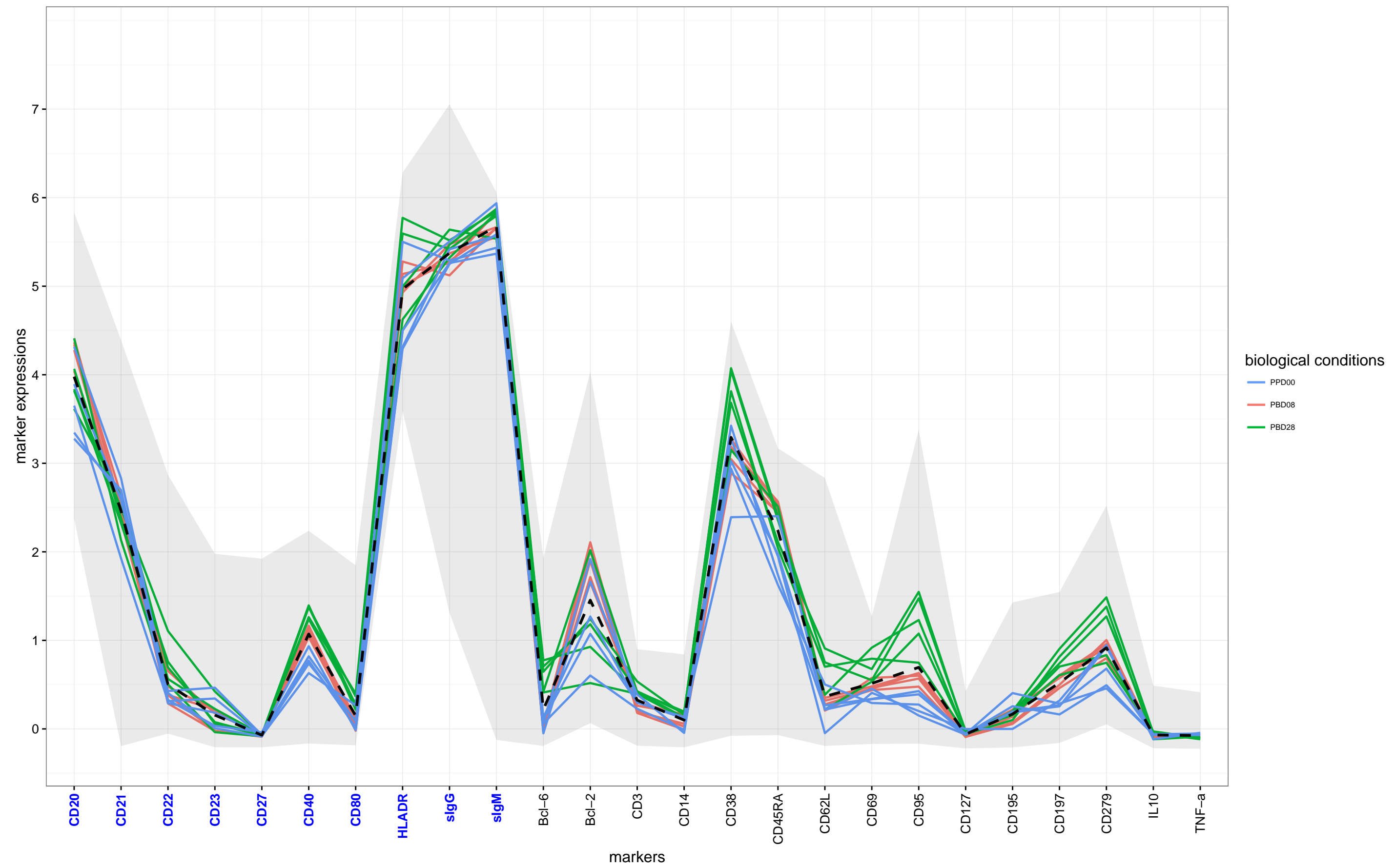


Kinetics Viewer – cluster: 65 (1 995 cells)

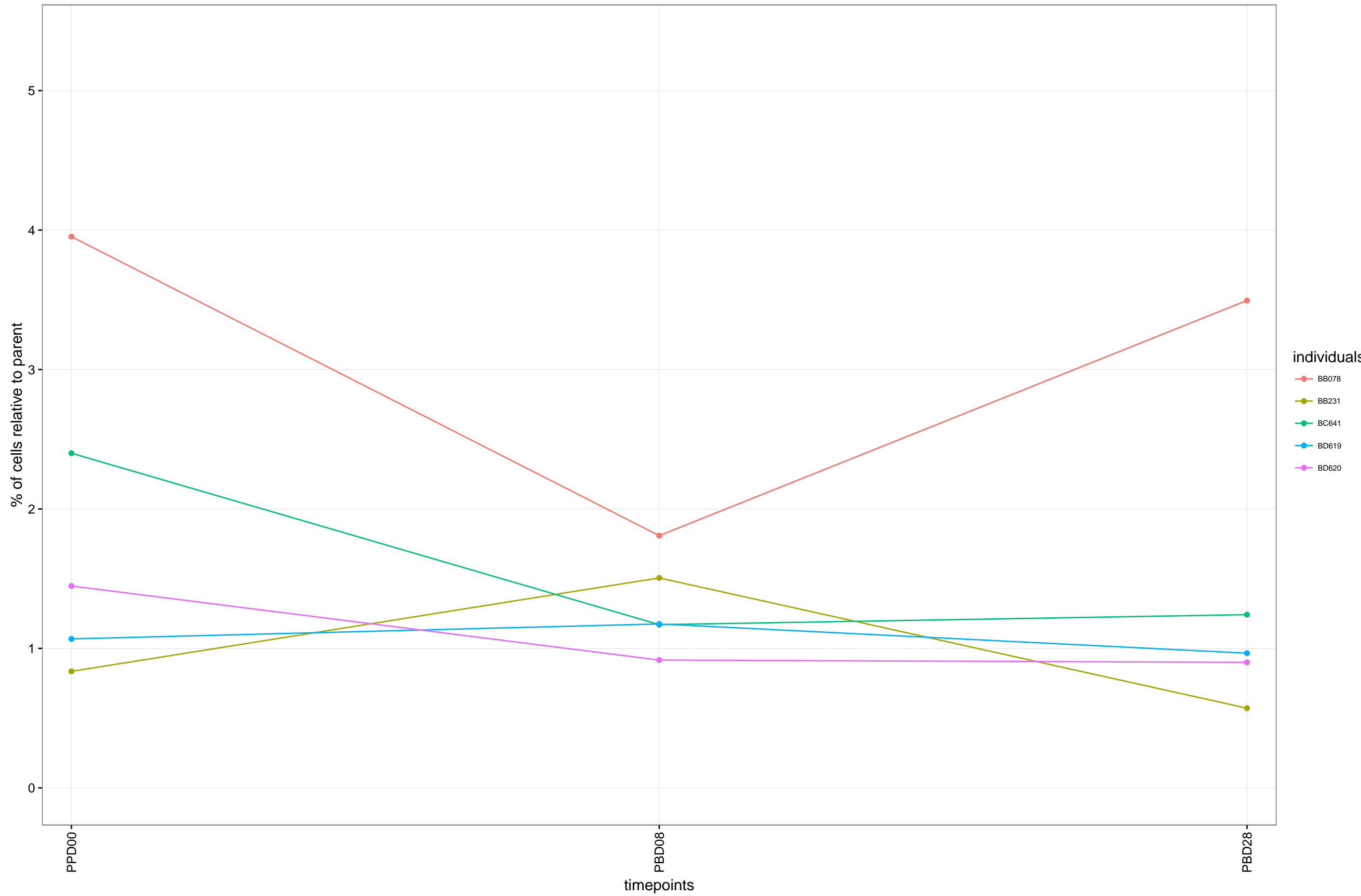


Pheno Viewer – cluster: 65 (1 995 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

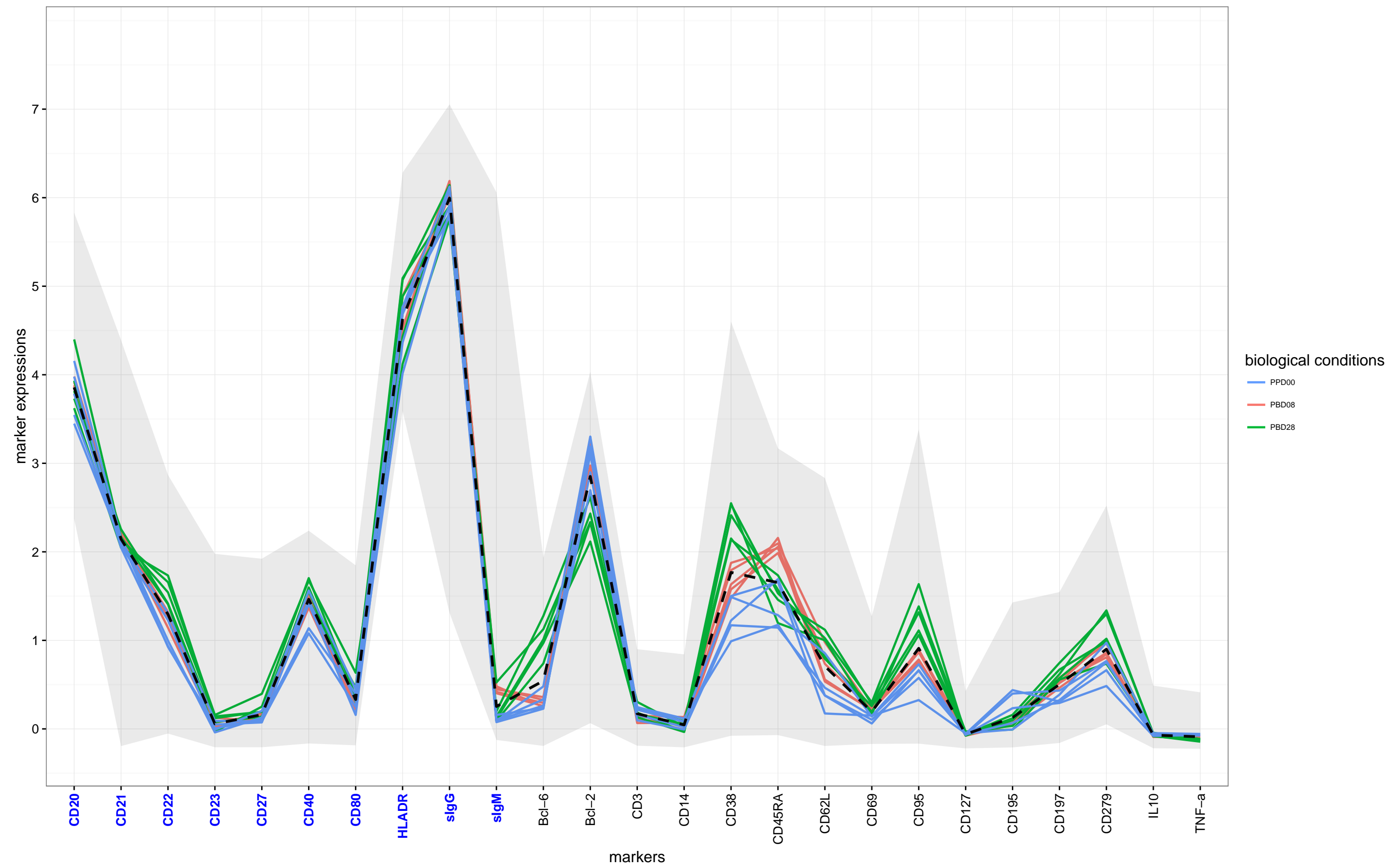


Kinetics Viewer – cluster: 66 (2 997 cells)

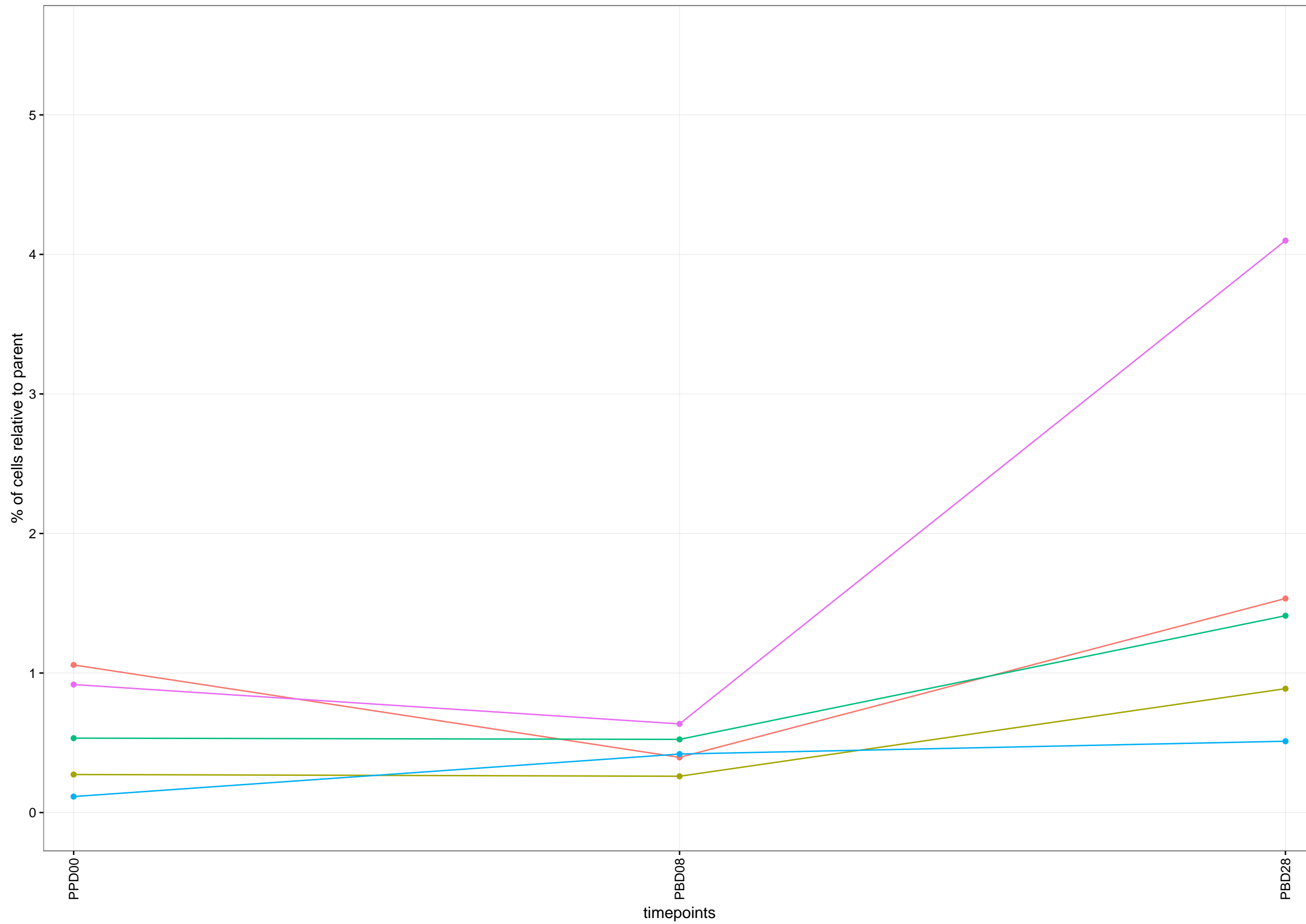


Pheno Viewer – cluster: 66 (2 997 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

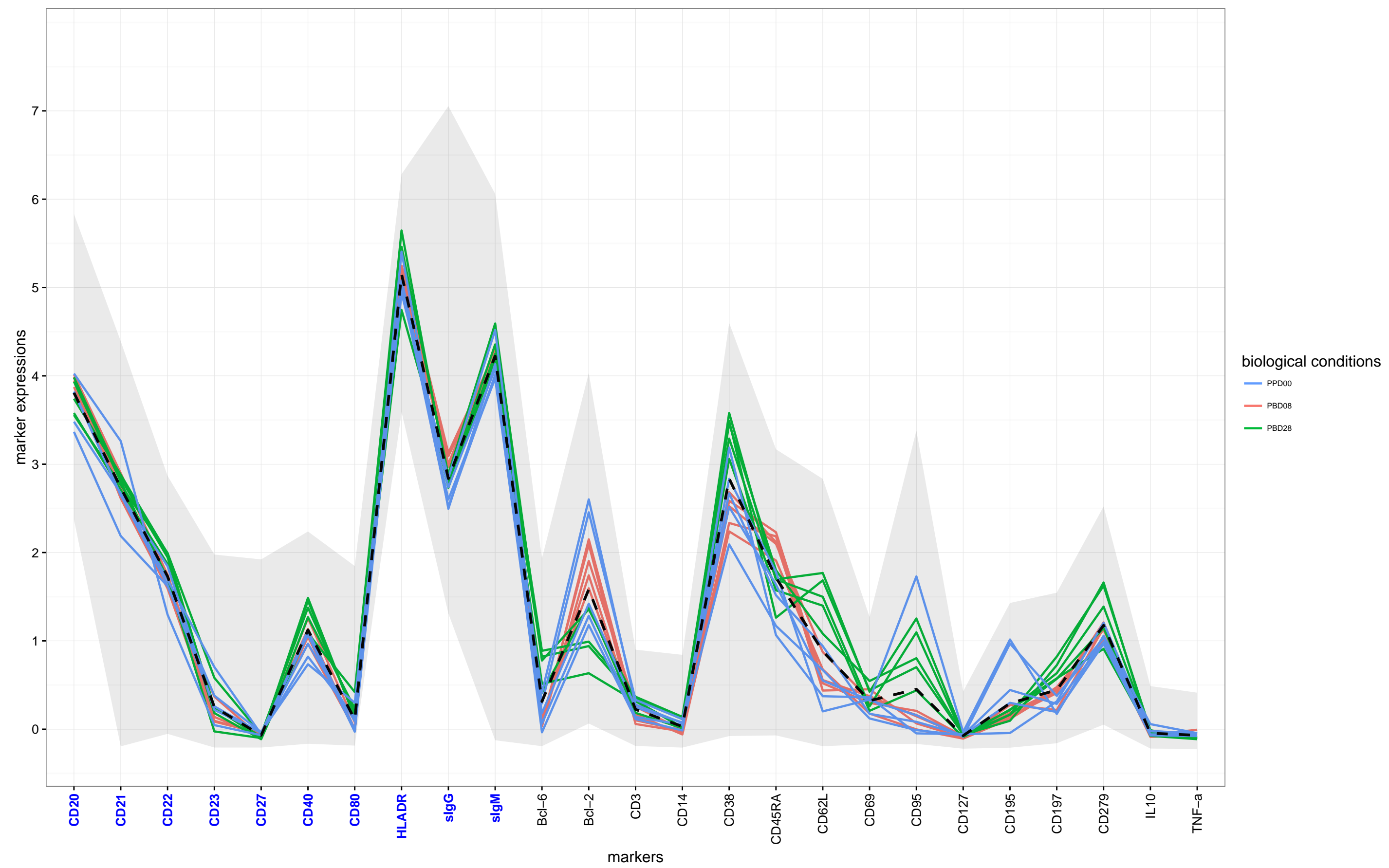


Kinetics Viewer – cluster: 67 (2 710 cells)

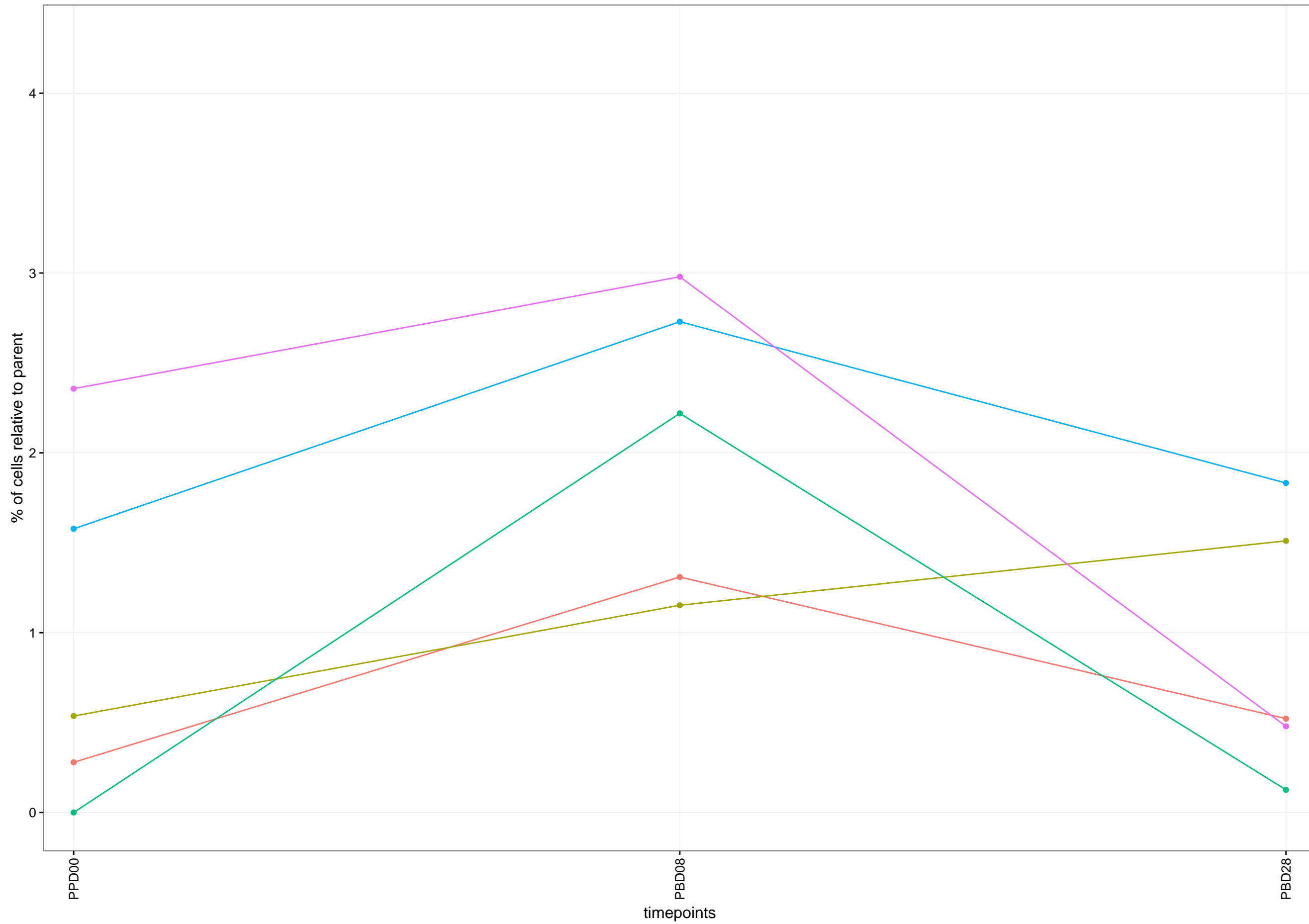


Pheno Viewer – cluster: 67 (2 710 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

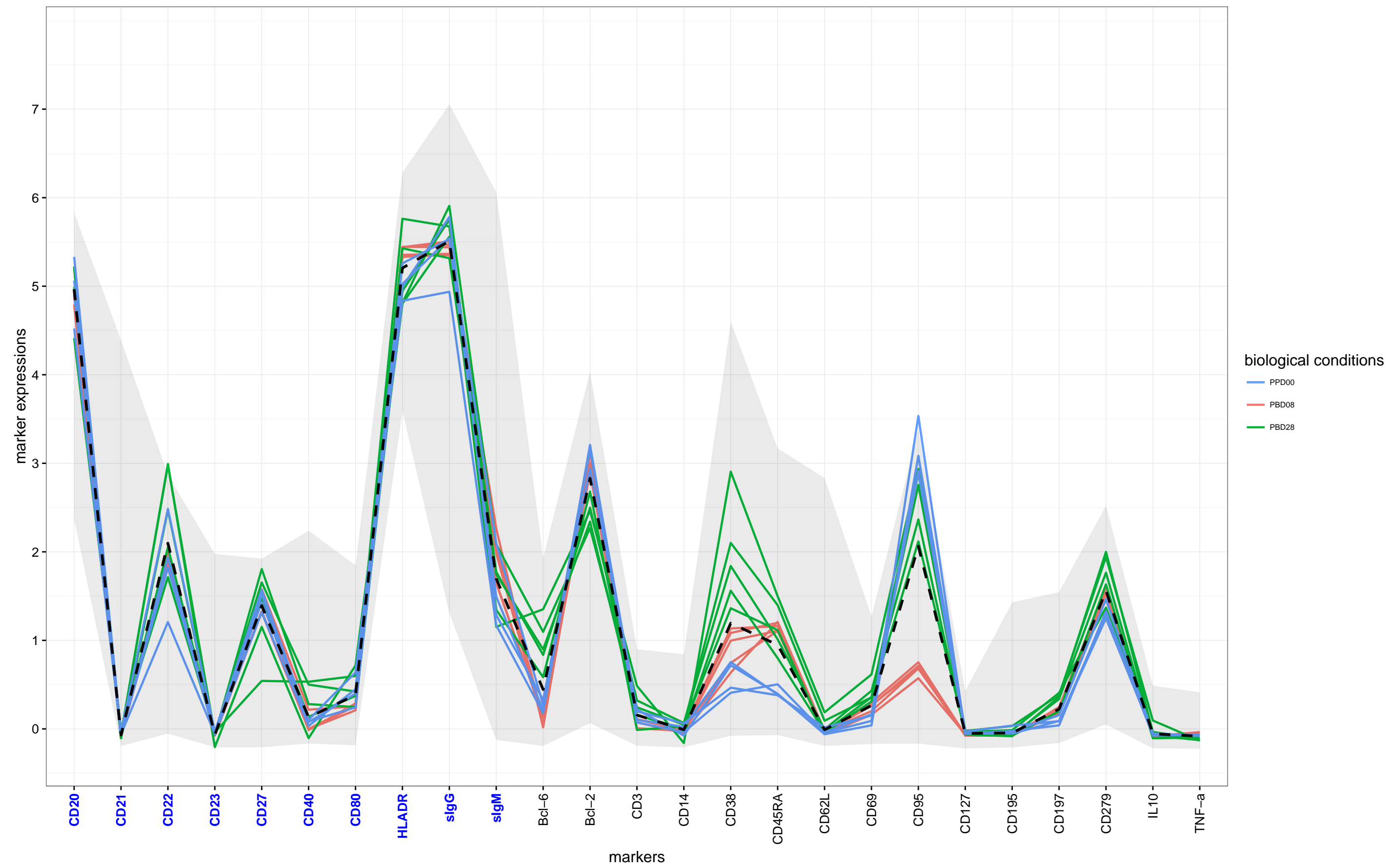


Kinetics Viewer – cluster: 68 (3 668 cells)

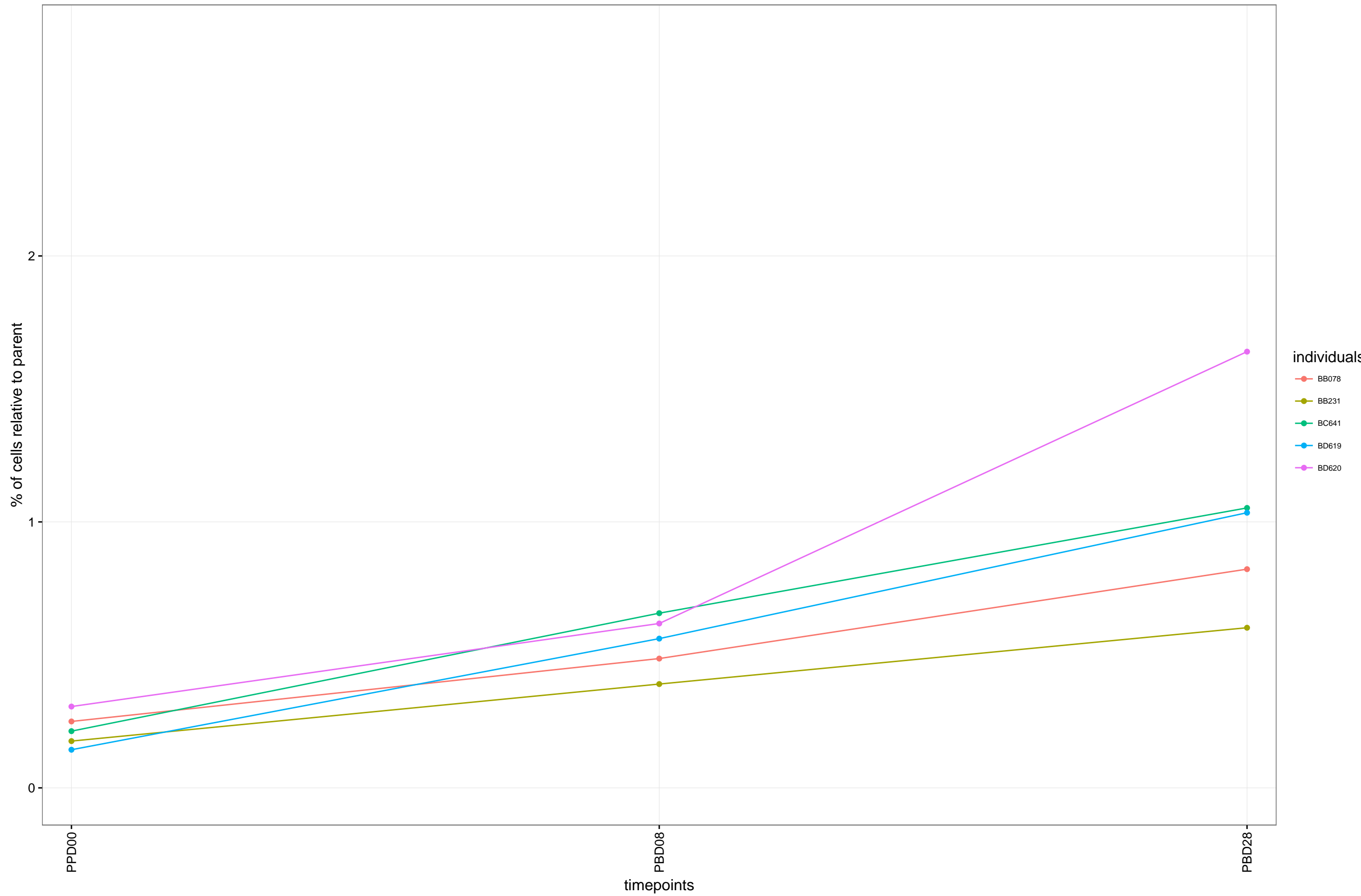


Pheno Viewer – cluster: 68 (3 668 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

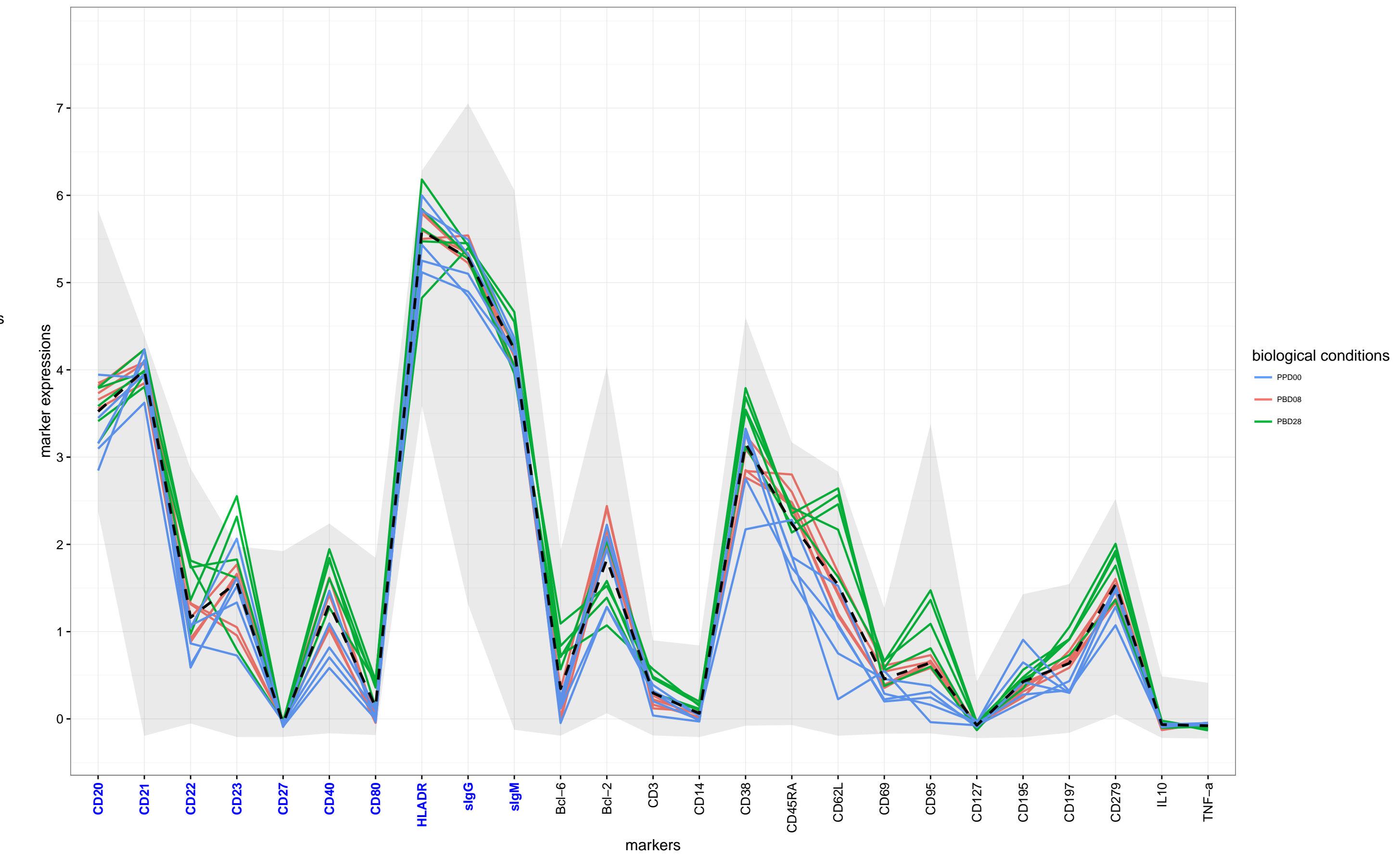


Kinetics Viewer – cluster: 69 (1 625 cells)



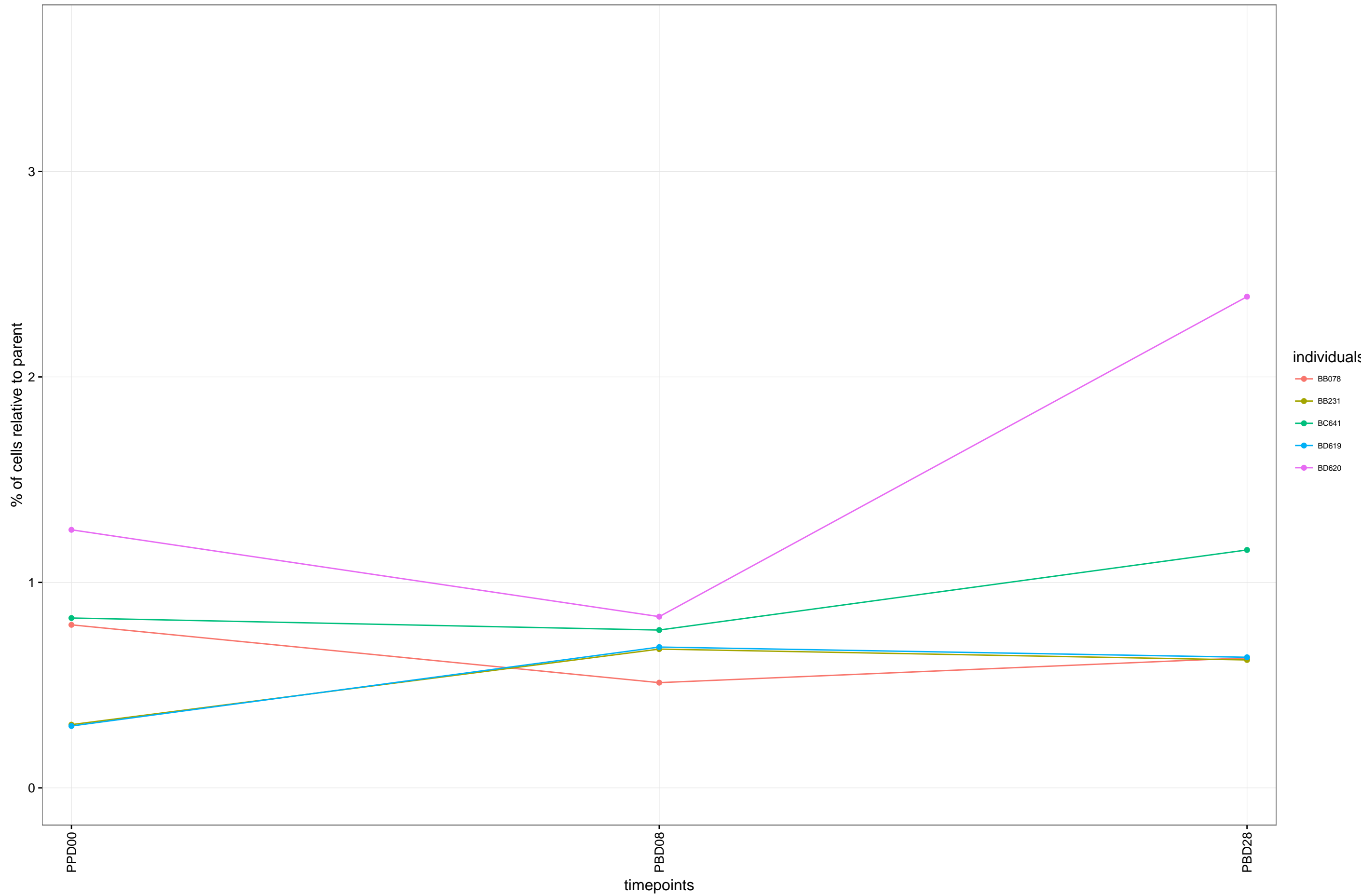
Pheno Viewer – cluster: 69 (1 625 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



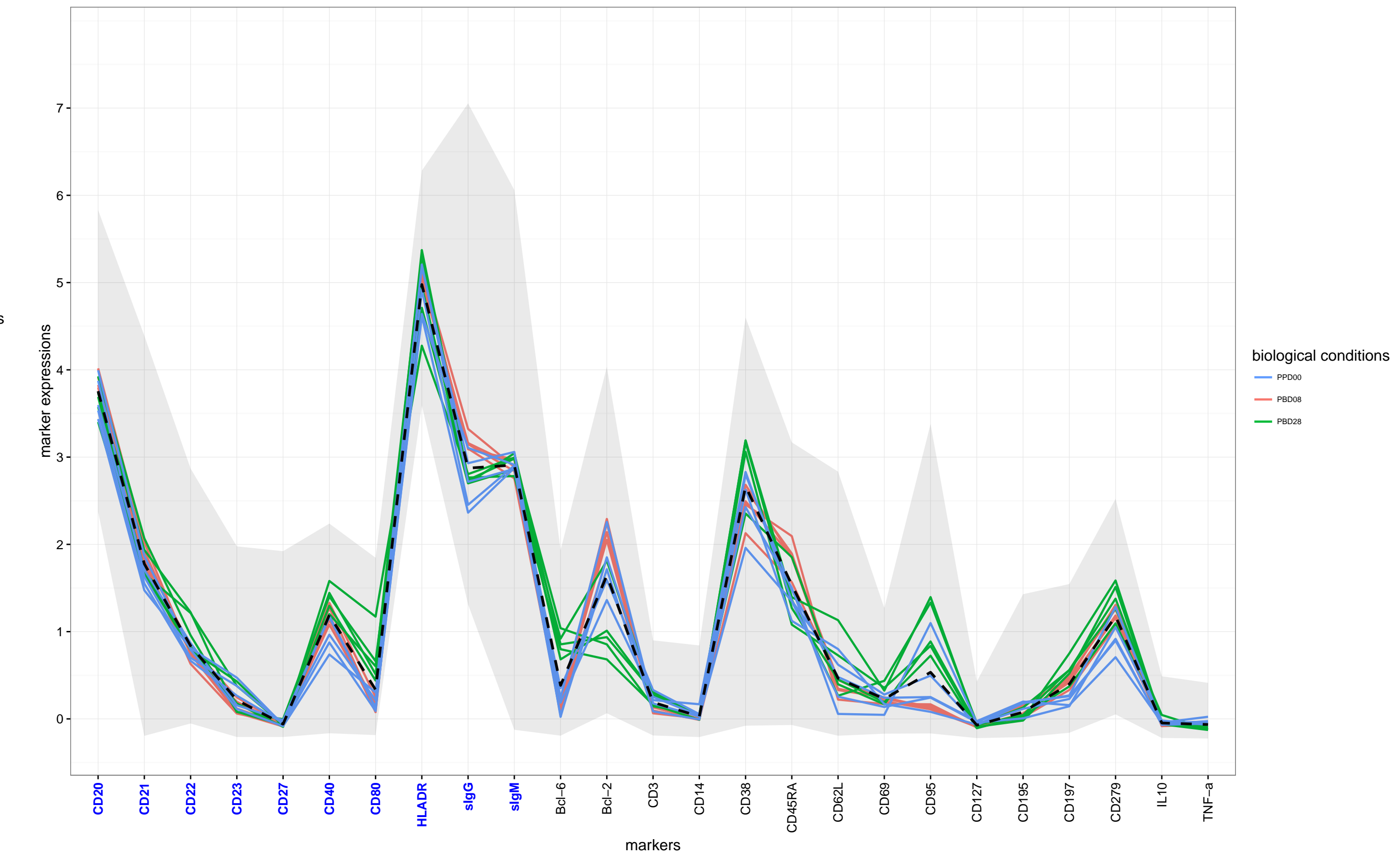


Kinetics Viewer – cluster: 70 (2 325 cells)

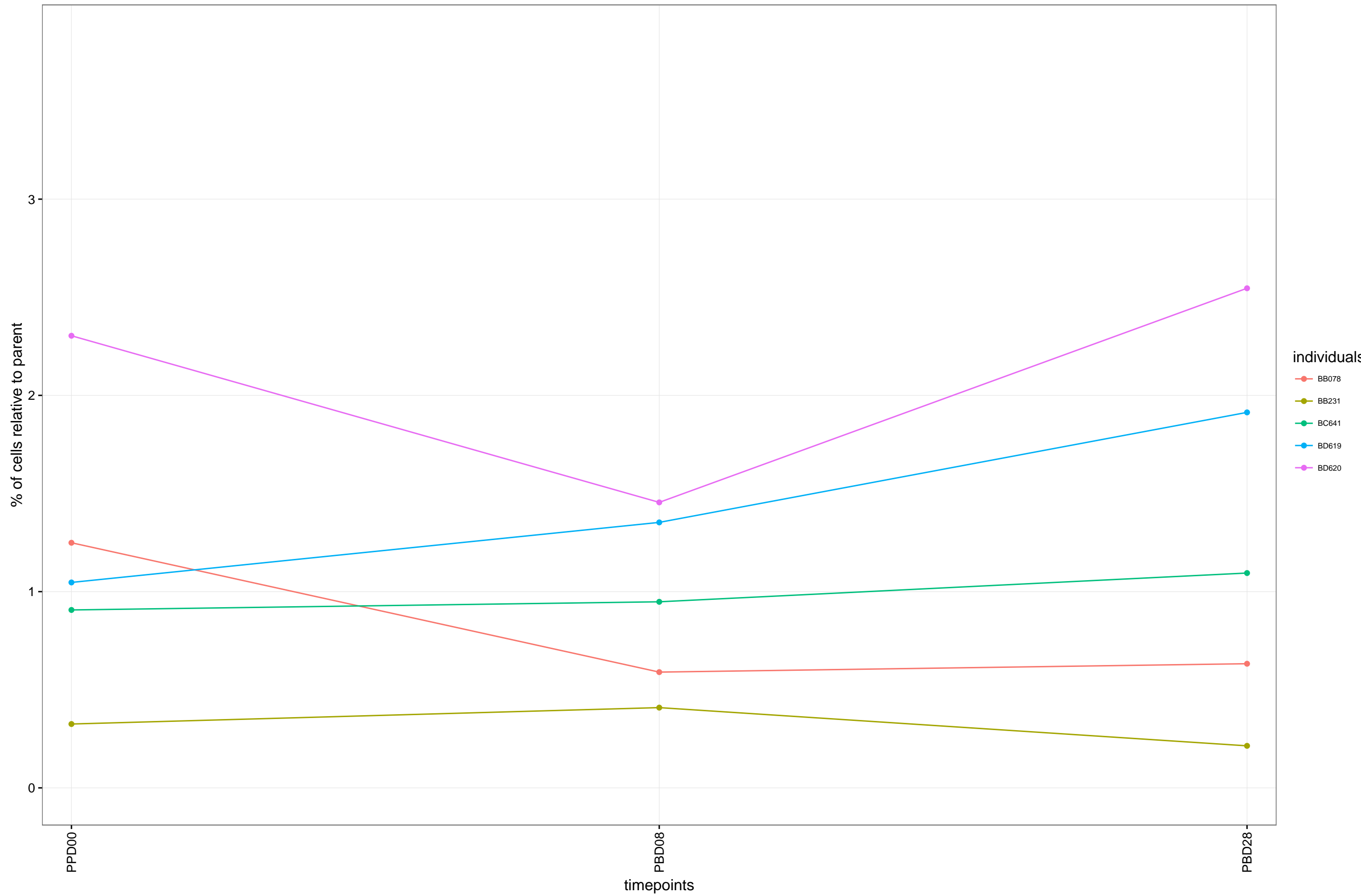


Pheno Viewer – cluster: 70 (2 325 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

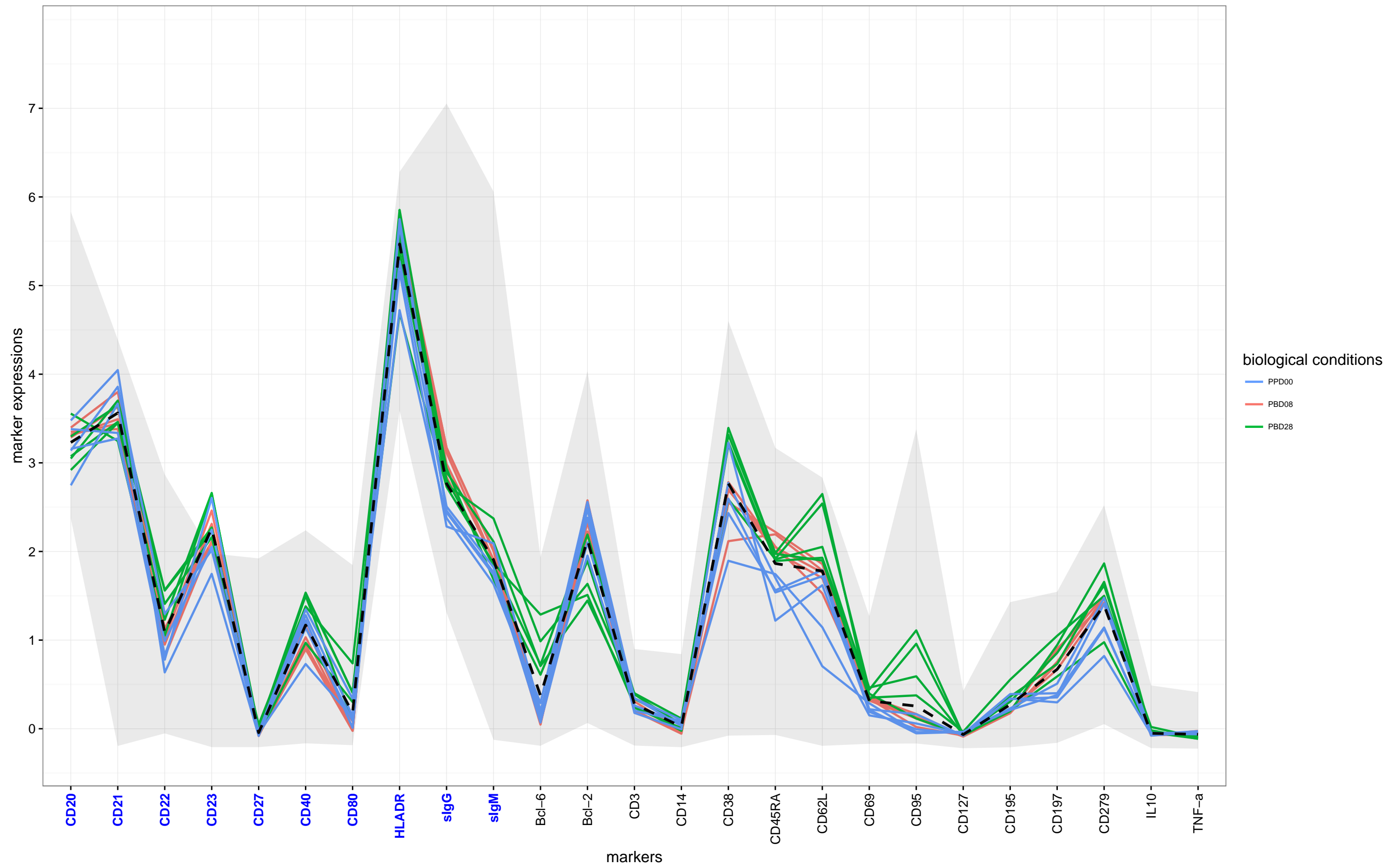


Kinetics Viewer – cluster: 71 (3 238 cells)

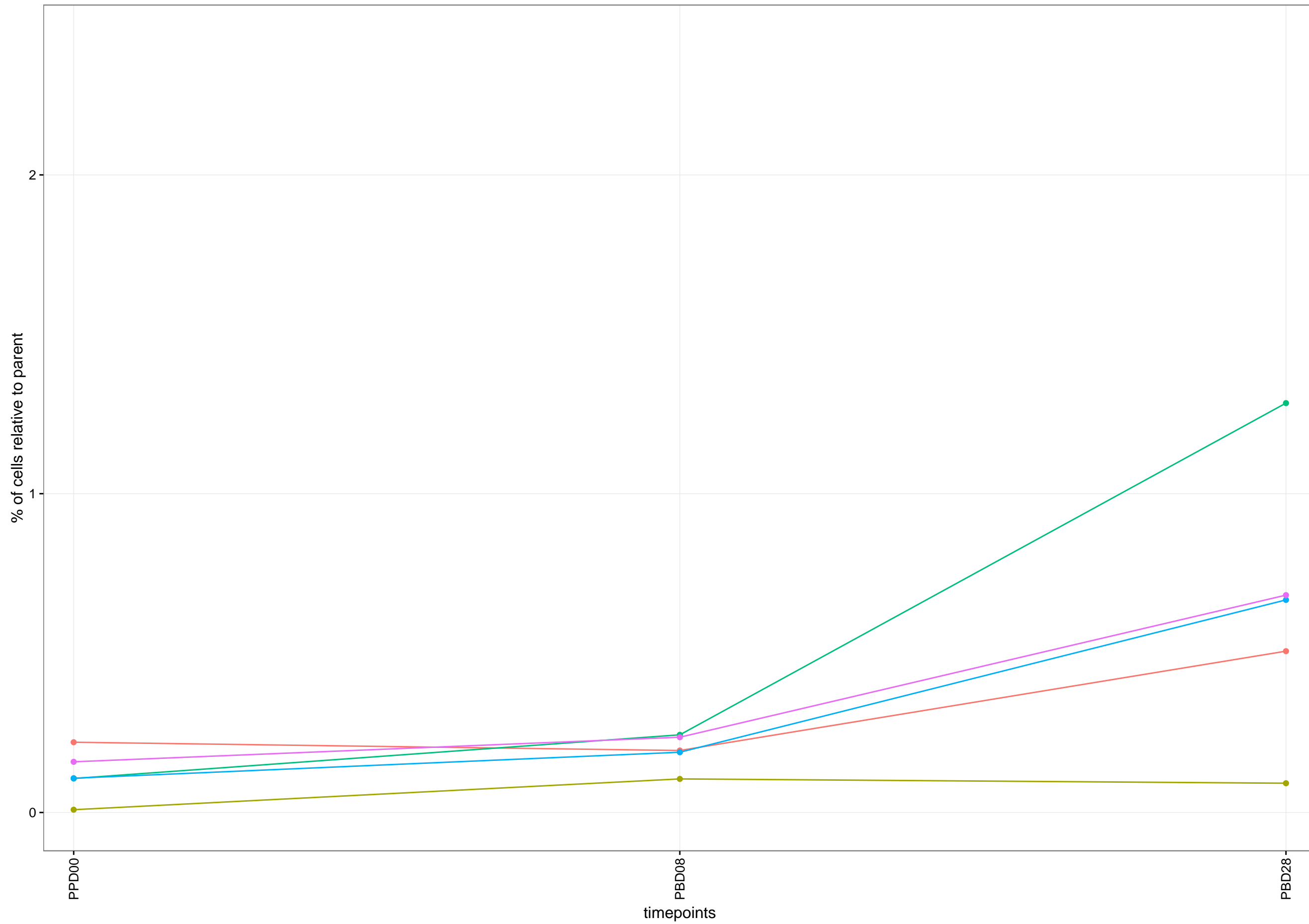


Pheno Viewer – cluster: 71 (3 238 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

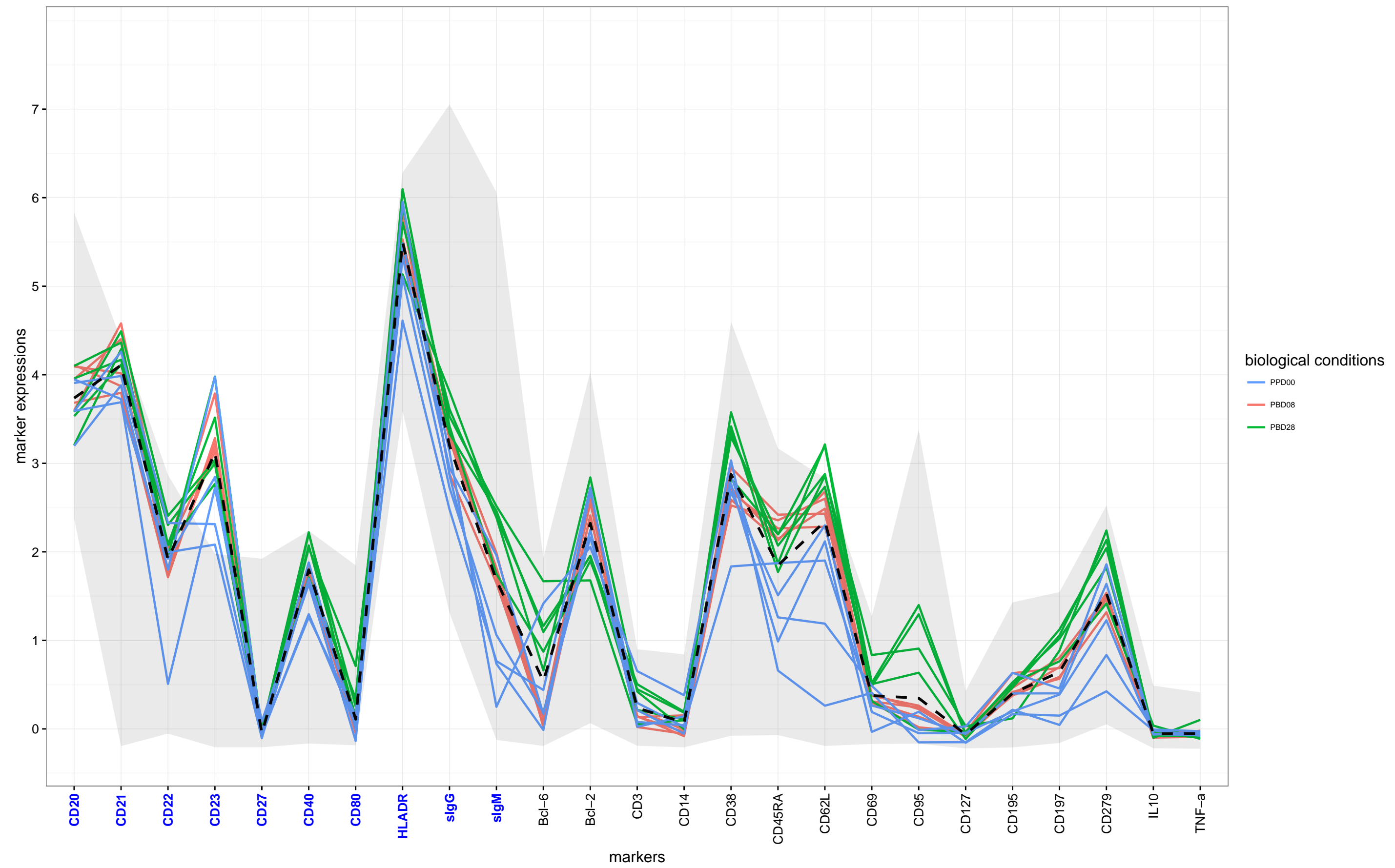


Kinetics Viewer – cluster: 72 (735 cells)

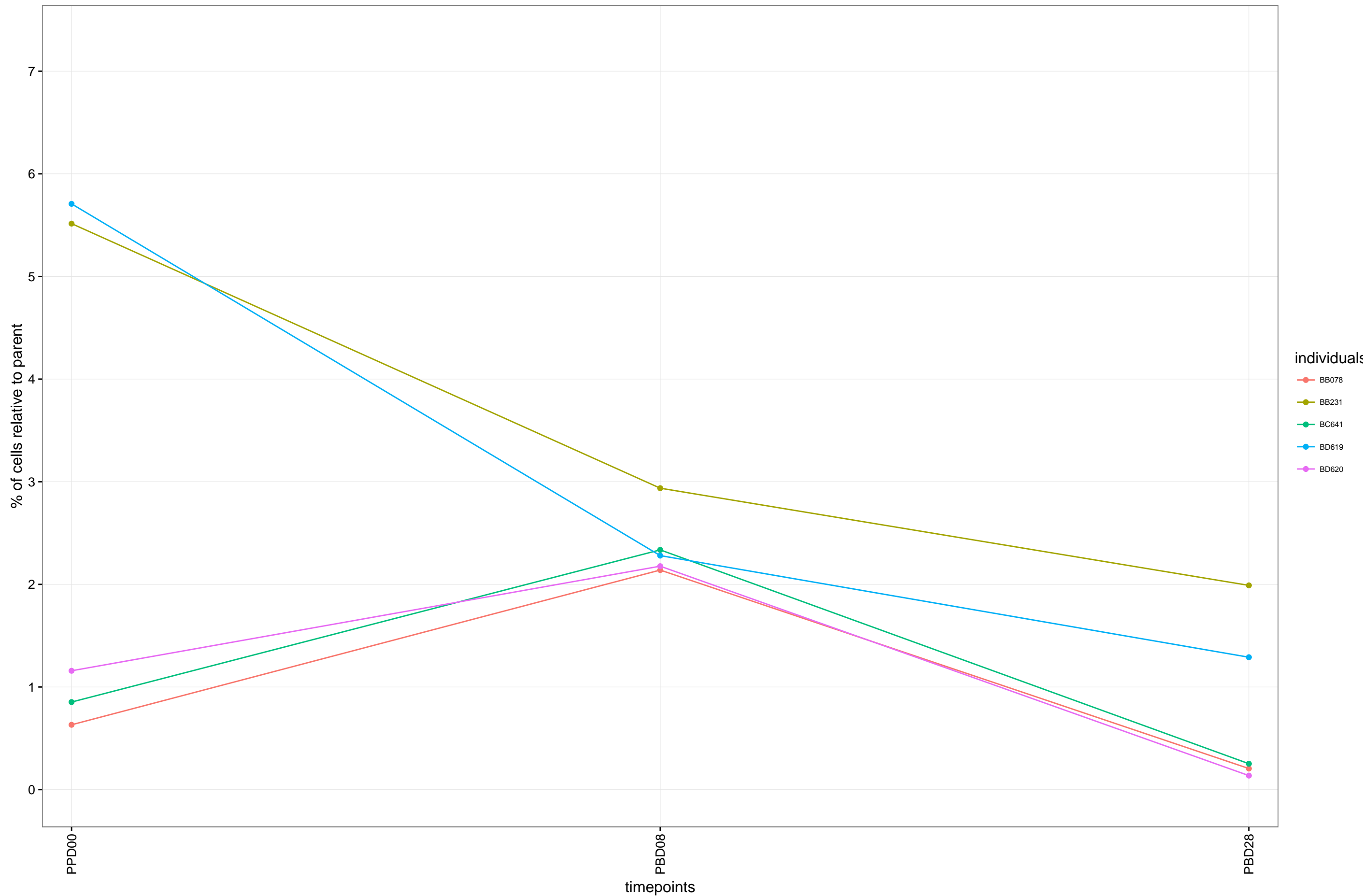


Pheno Viewer – cluster: 72 (735 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

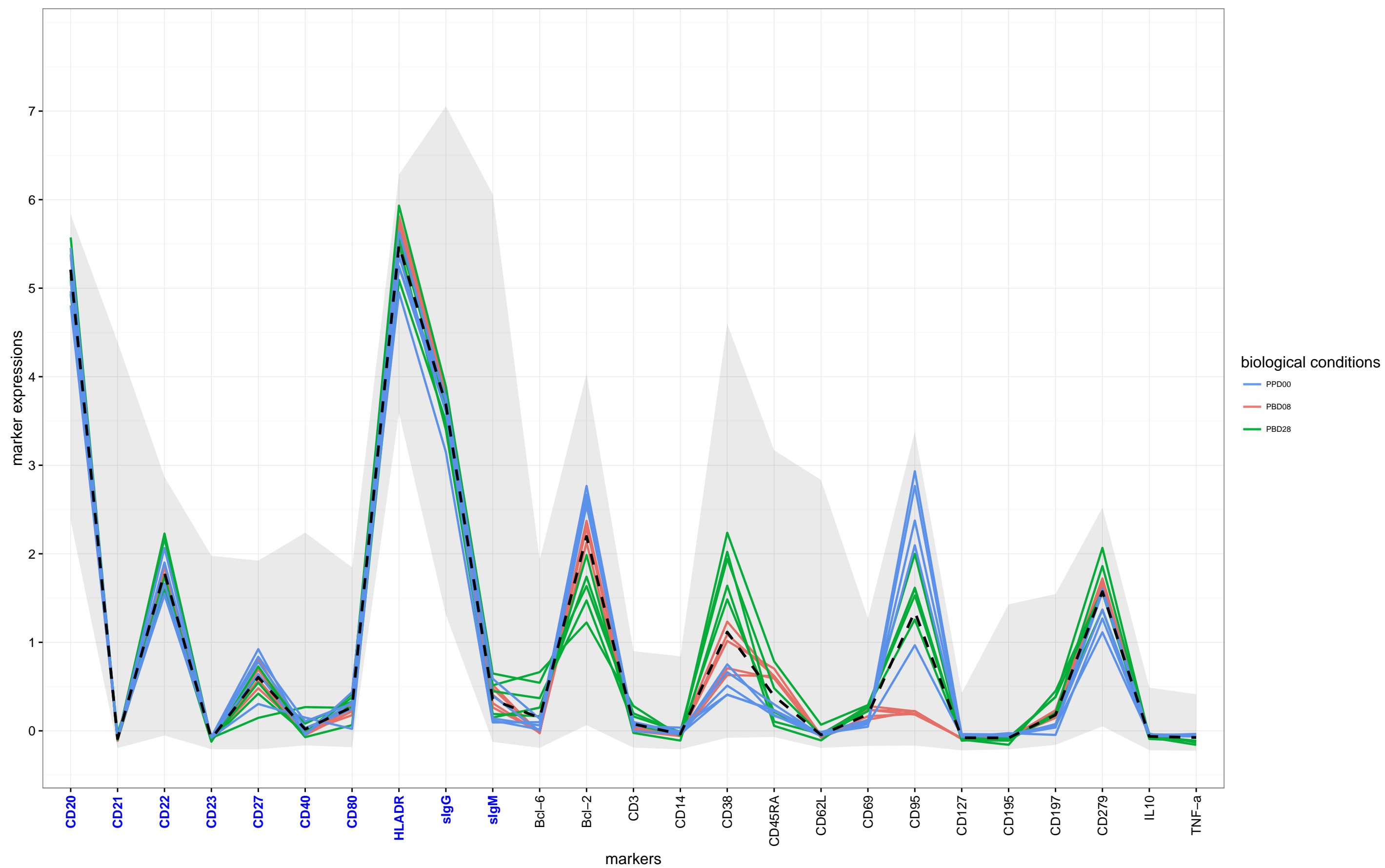


Kinetics Viewer – cluster: 73 (4 519 cells)

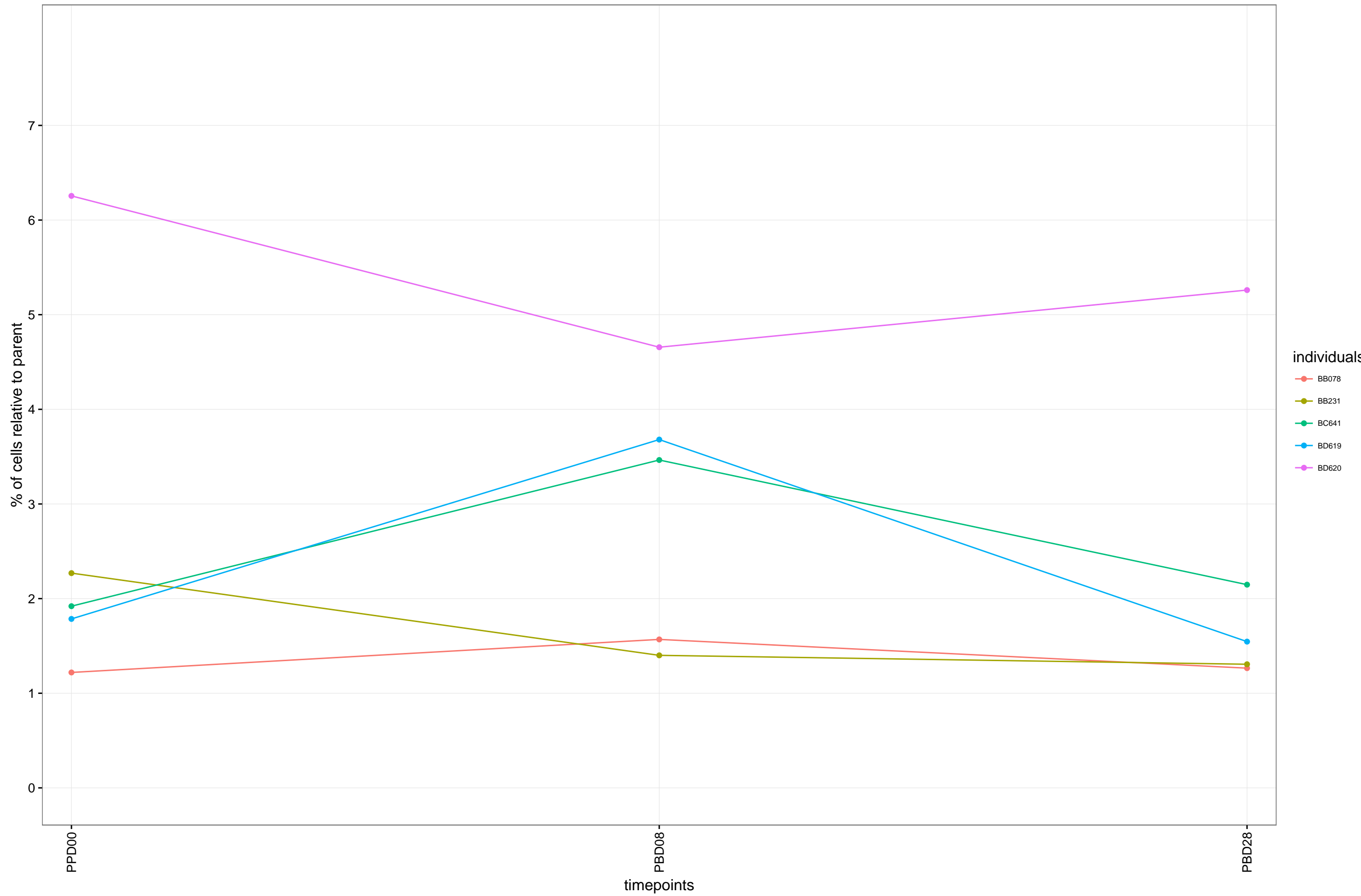


Pheno Viewer – cluster: 73 (4 519 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

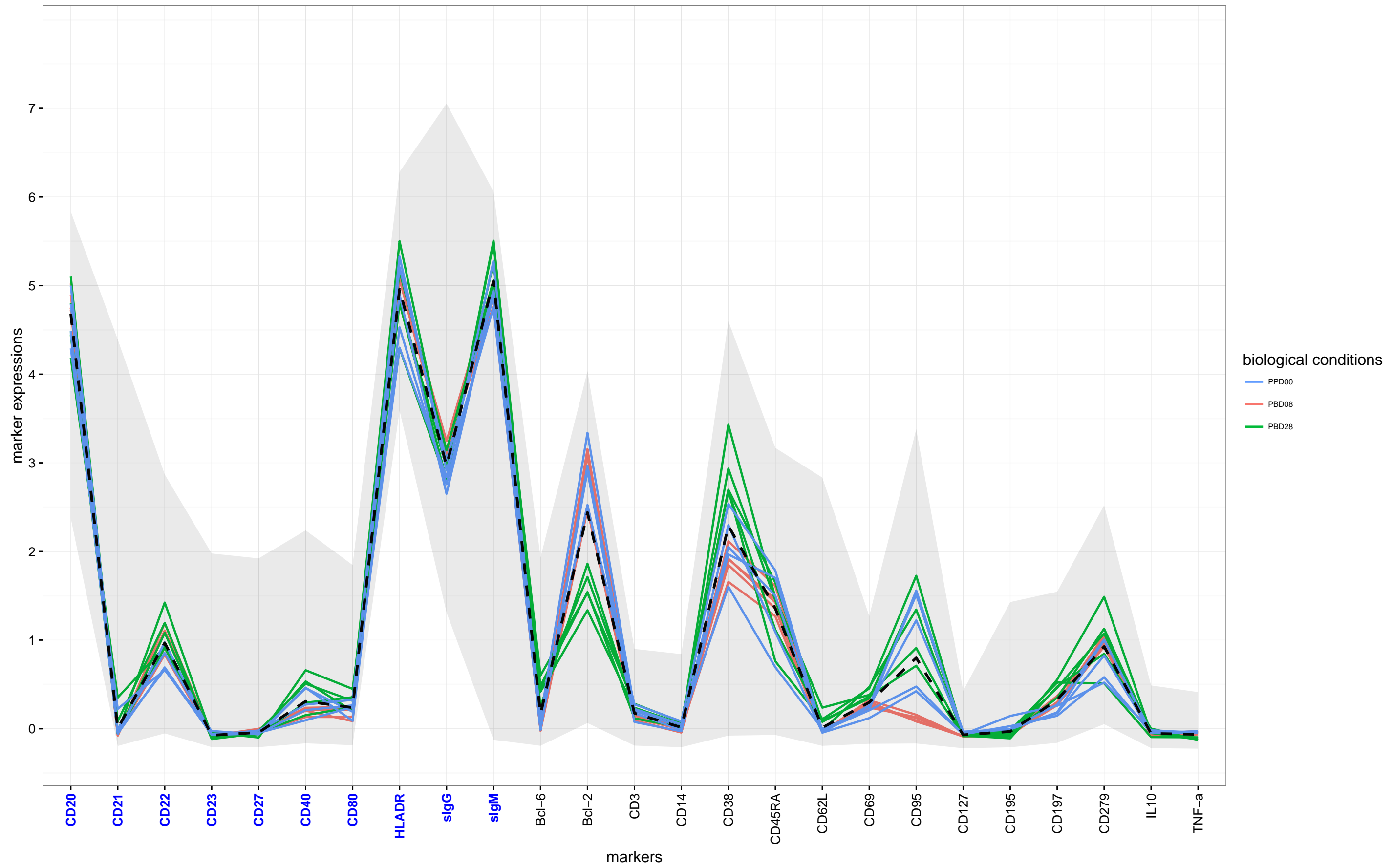


Kinetics Viewer – cluster: 74 (7 838 cells)



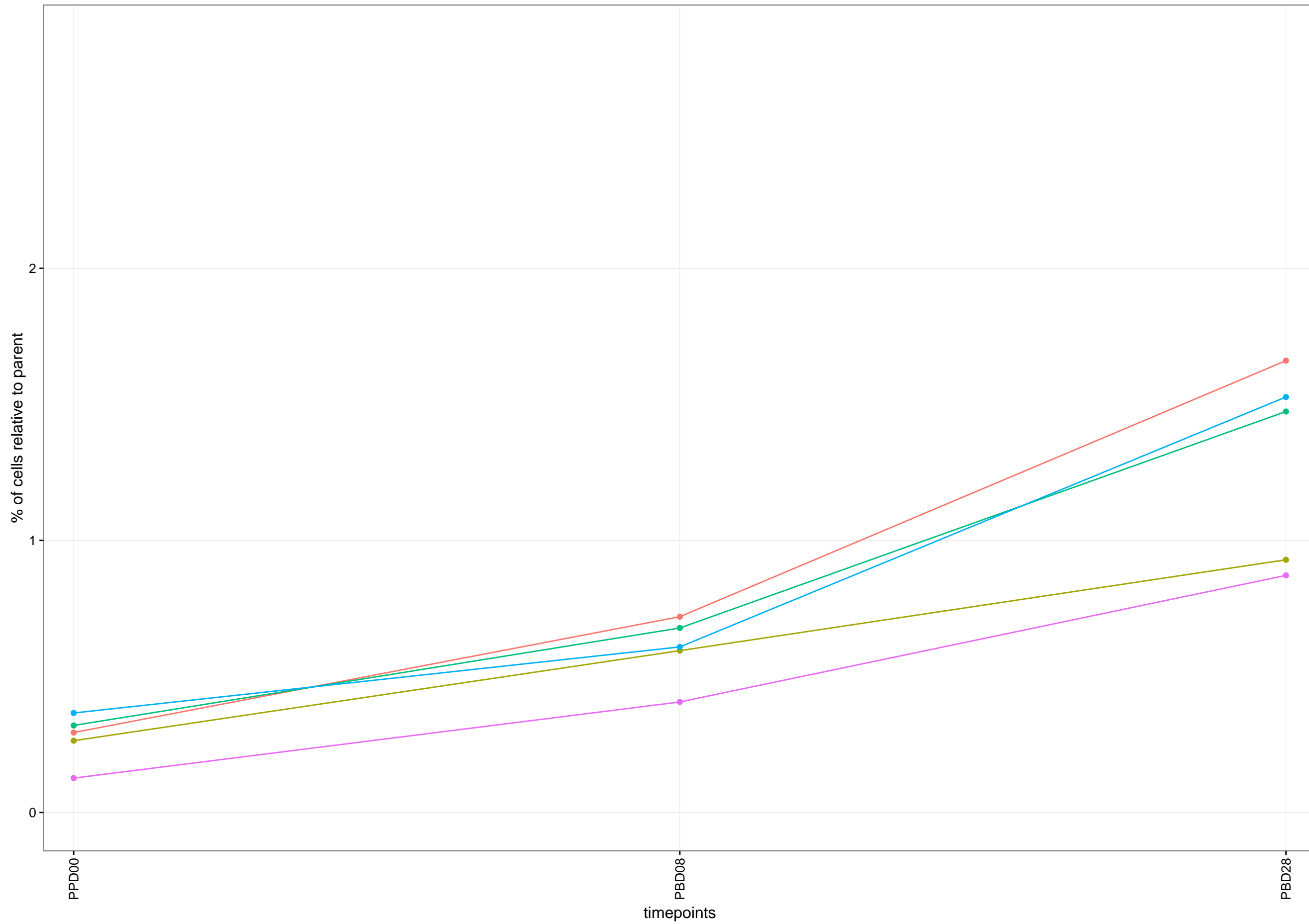
Pheno Viewer – cluster: 74 (7 838 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



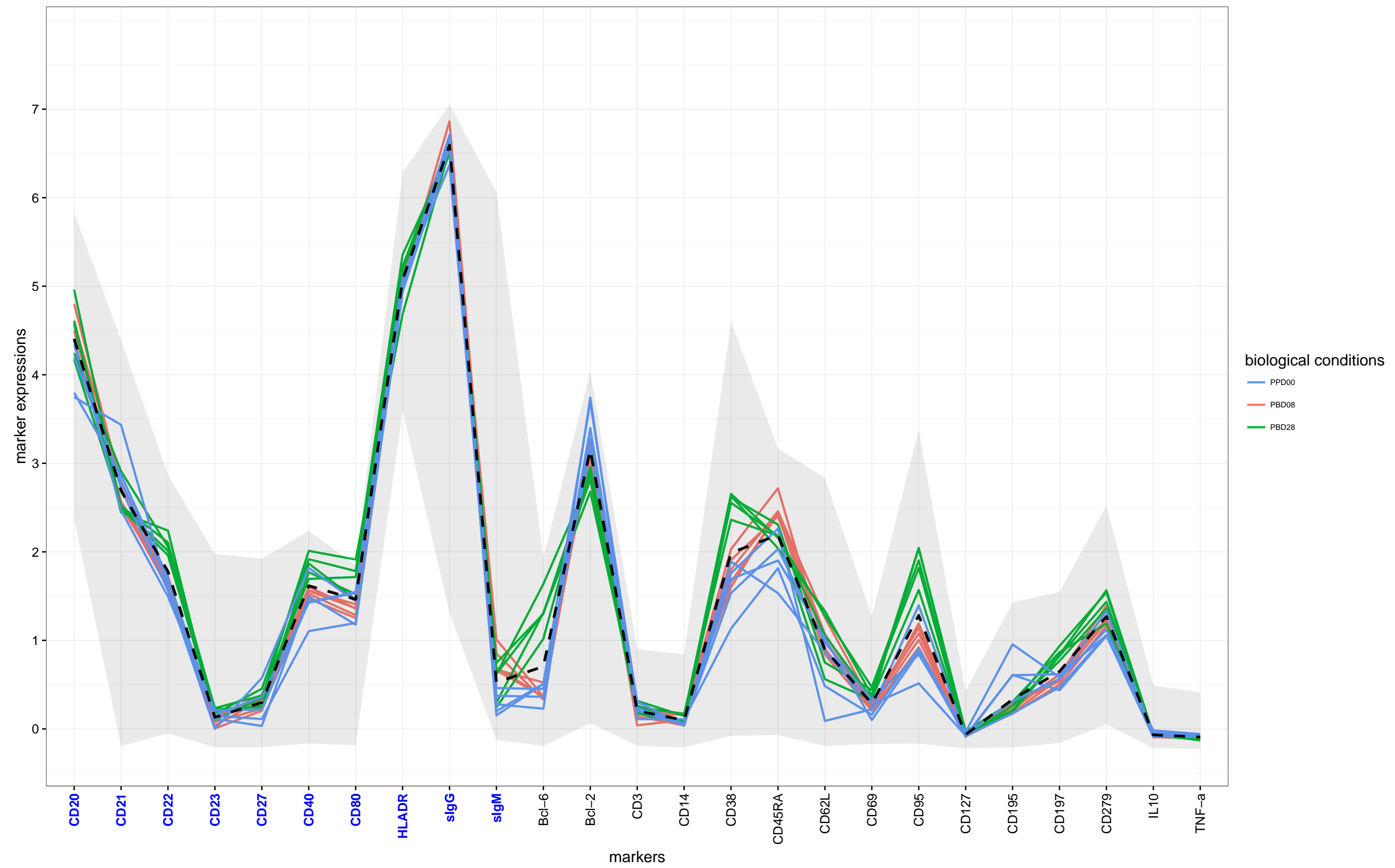


Kinetics Viewer – cluster: 75 (1 541 cells)

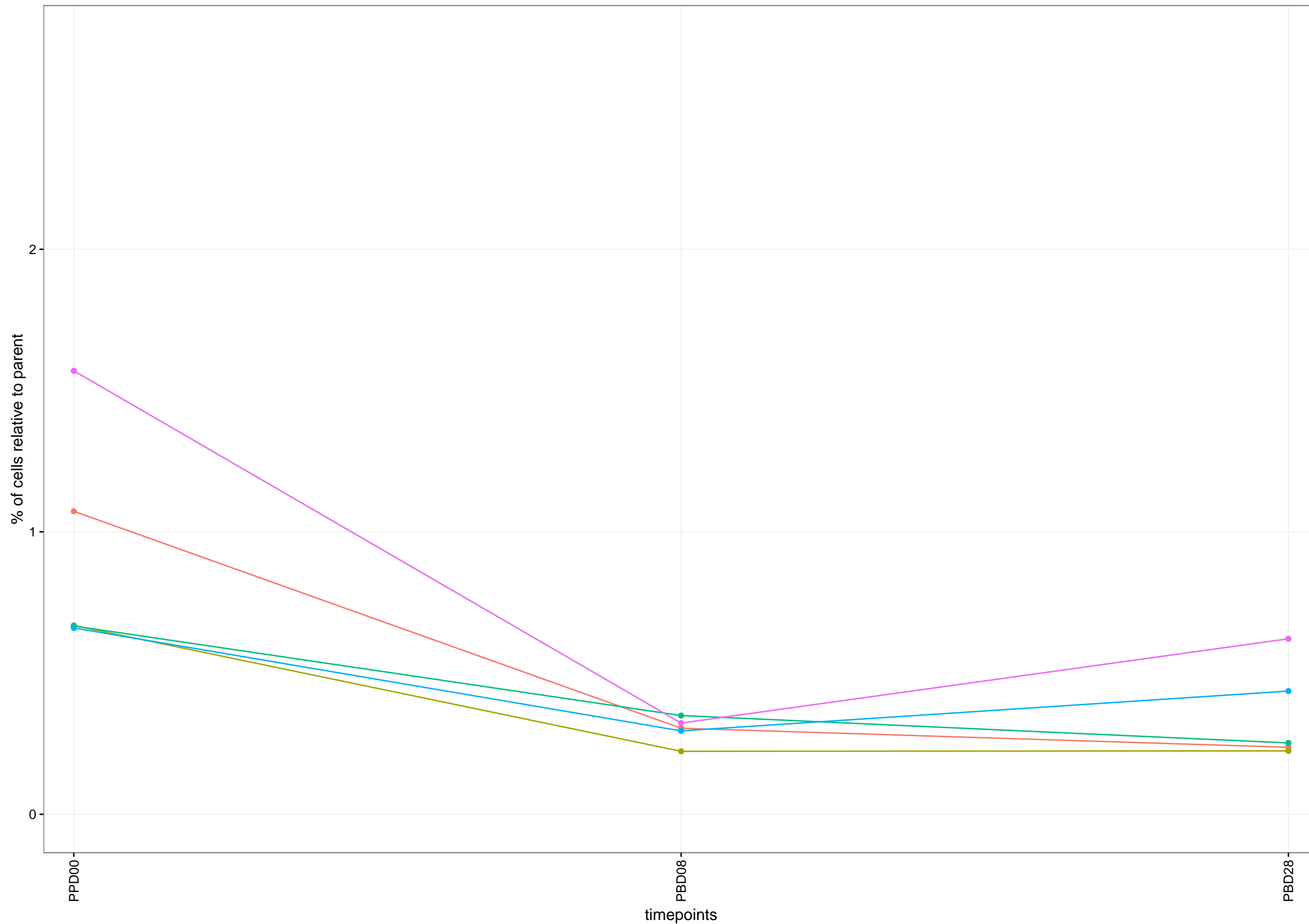


Pheno Viewer – cluster: 75 (1 541 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

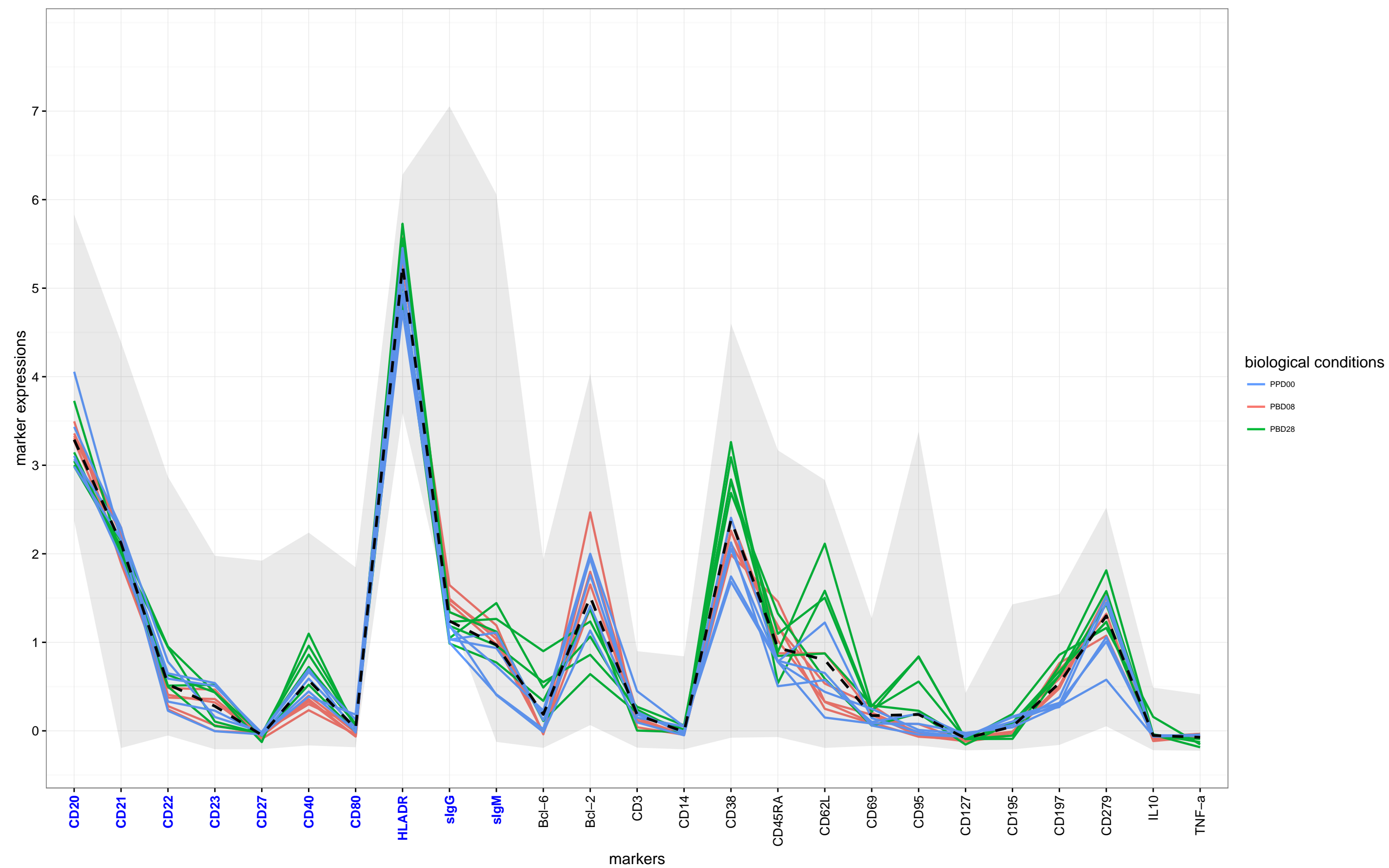


Kinetics Viewer – cluster: 76 (1 298 cells)

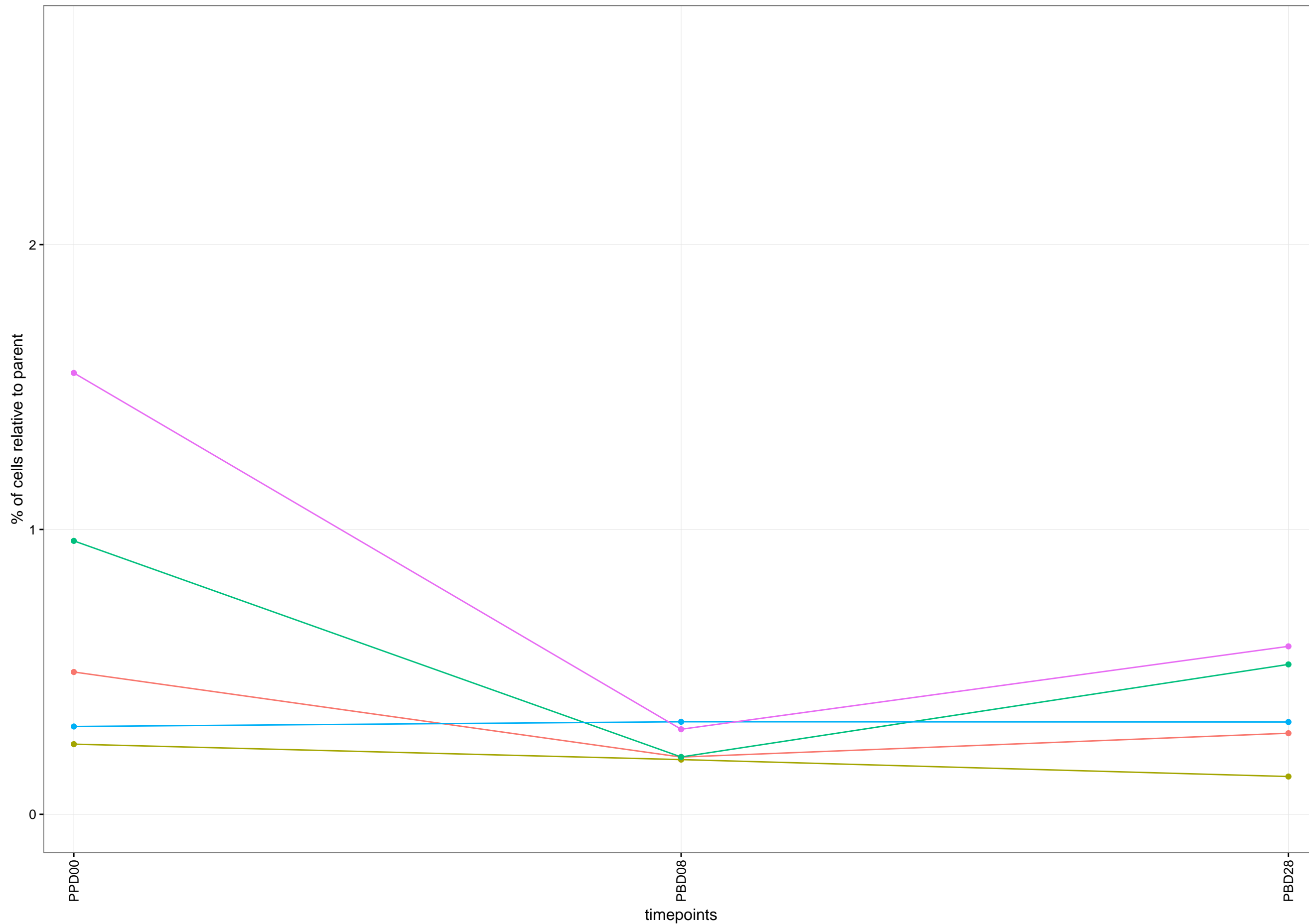


Pheno Viewer – cluster: 76 (1 298 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

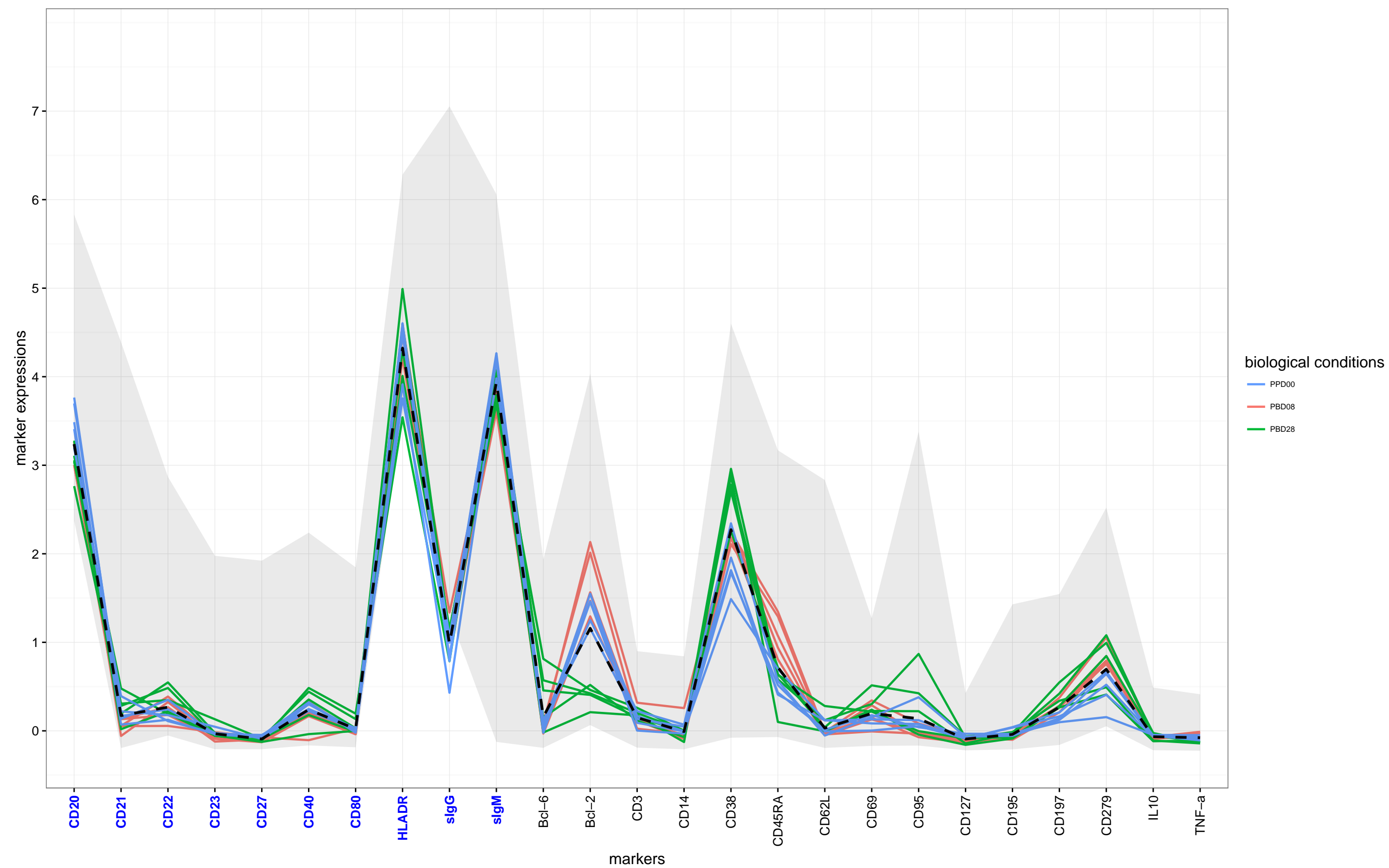


Kinetics Viewer – cluster: 77 (1 094 cells)

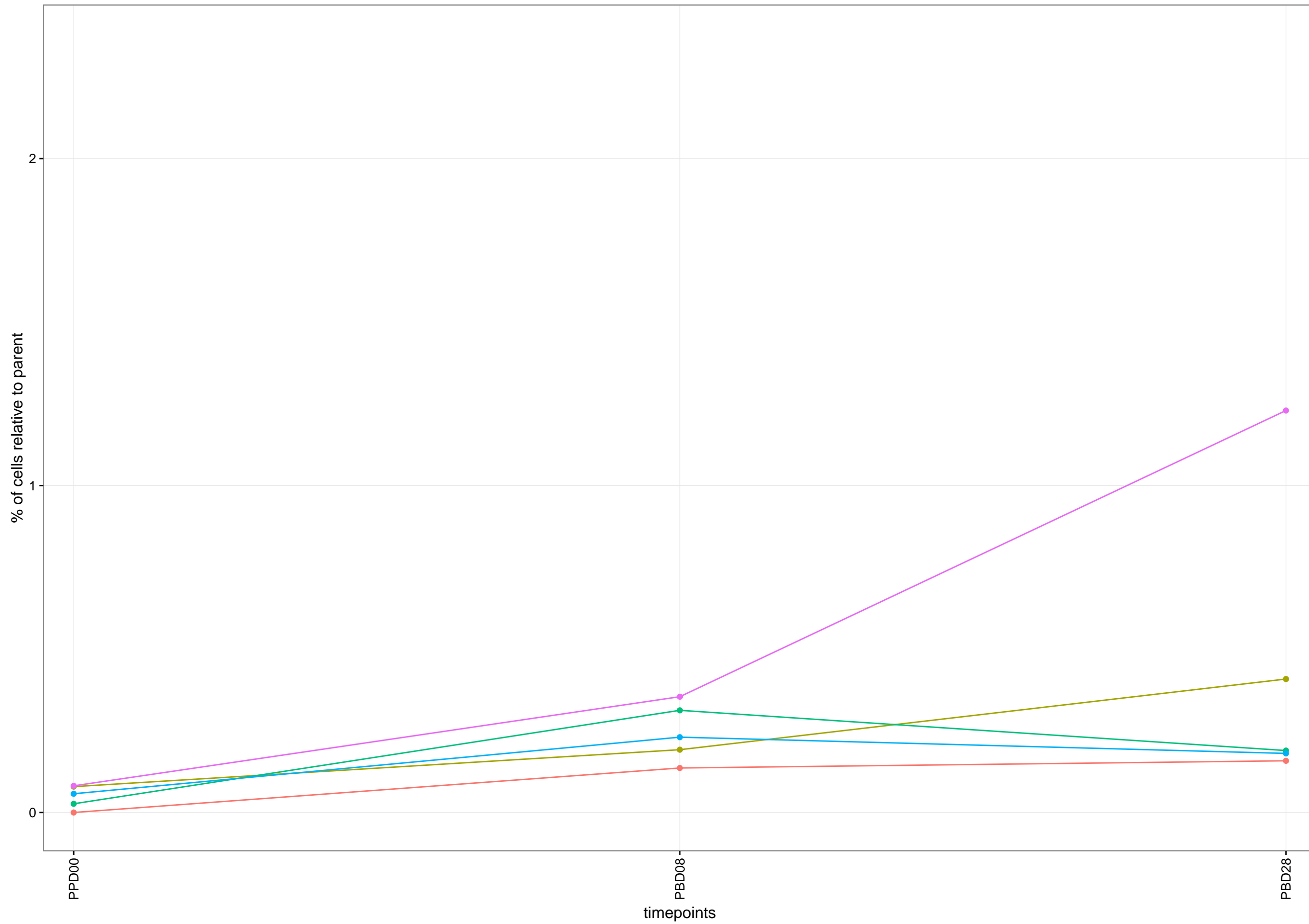


Pheno Viewer – cluster: 77 (1 094 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

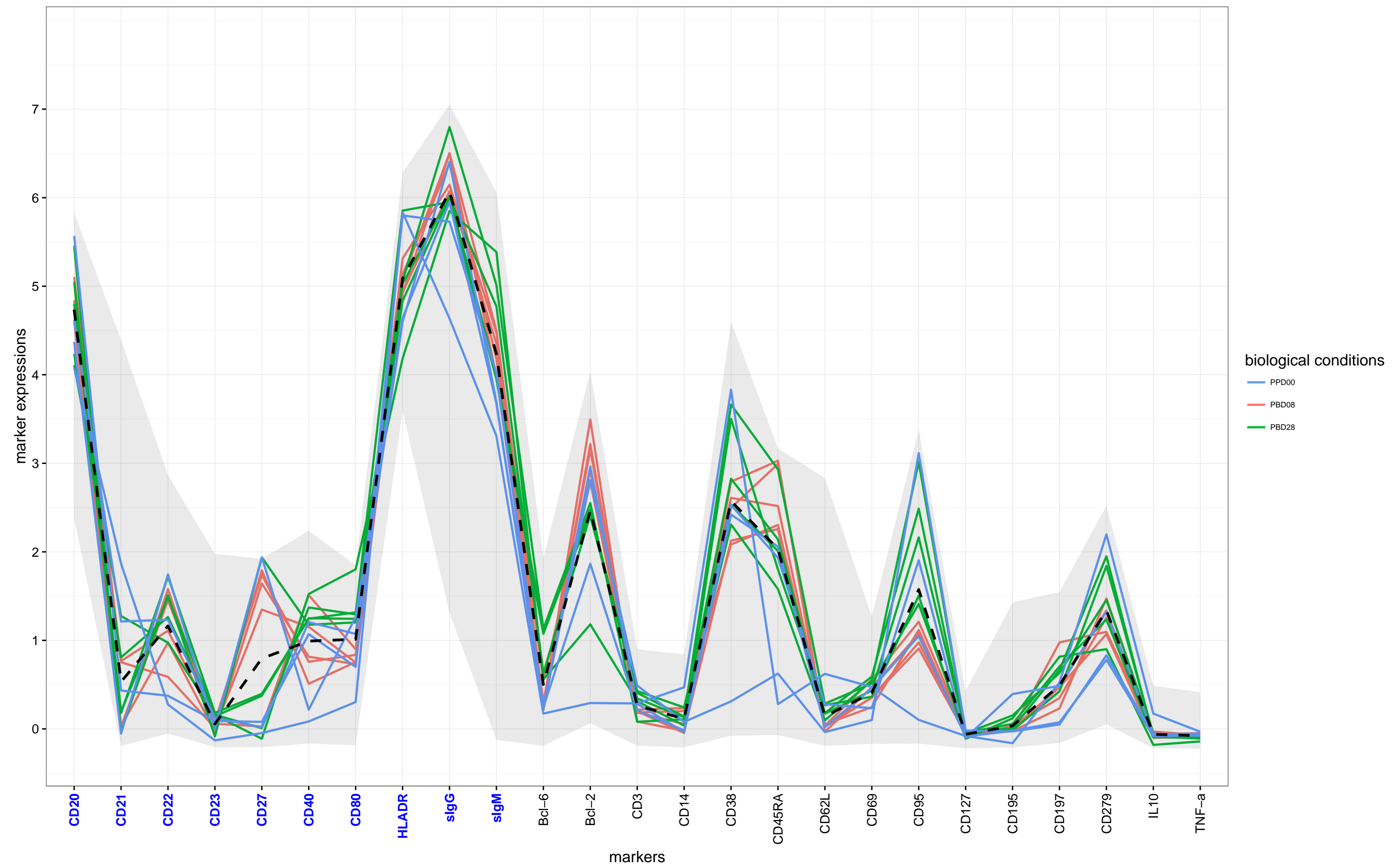


Kinetics Viewer – cluster: 78 (845 cells)

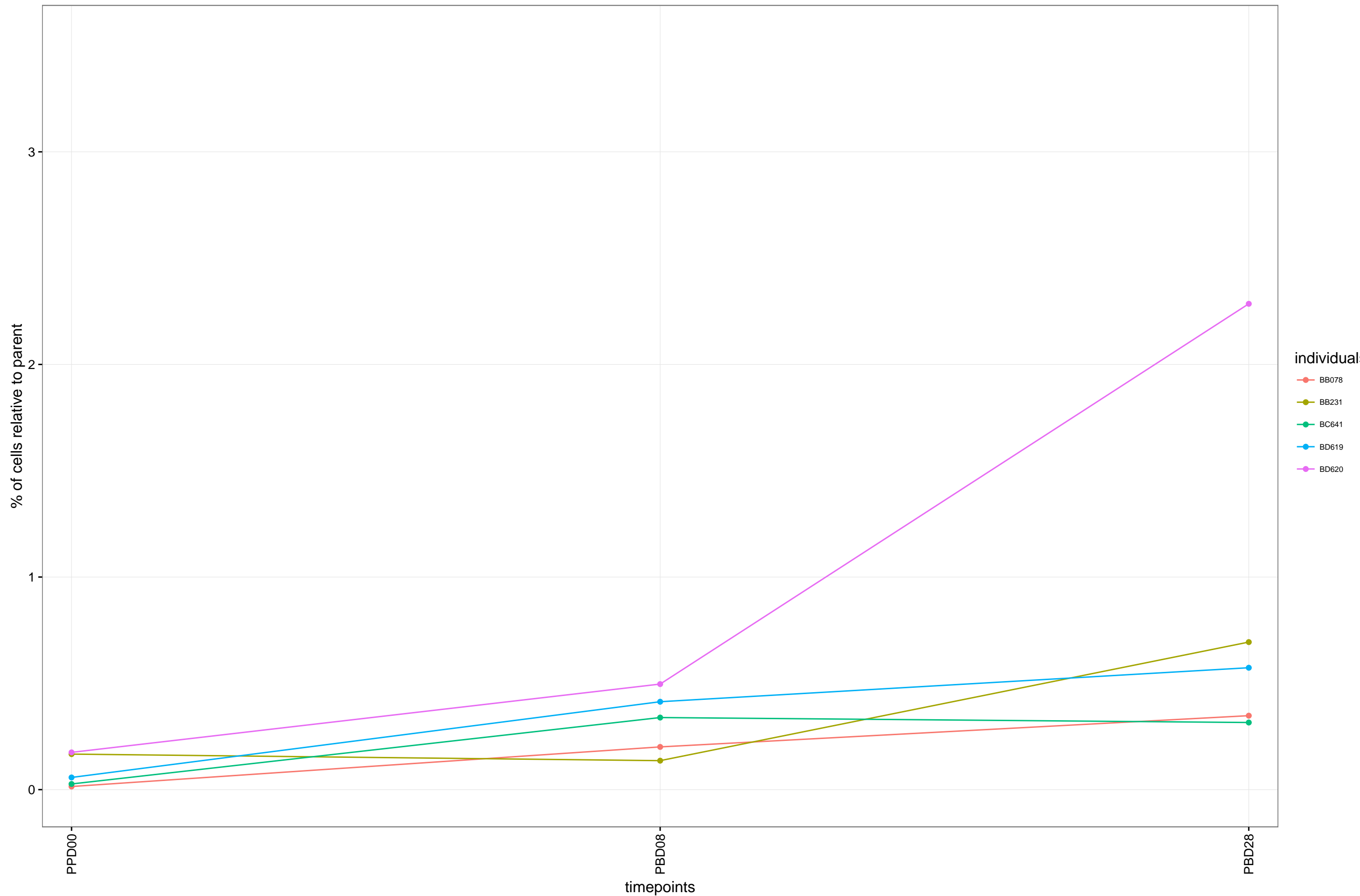


Pheno Viewer – cluster: 78 (845 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression

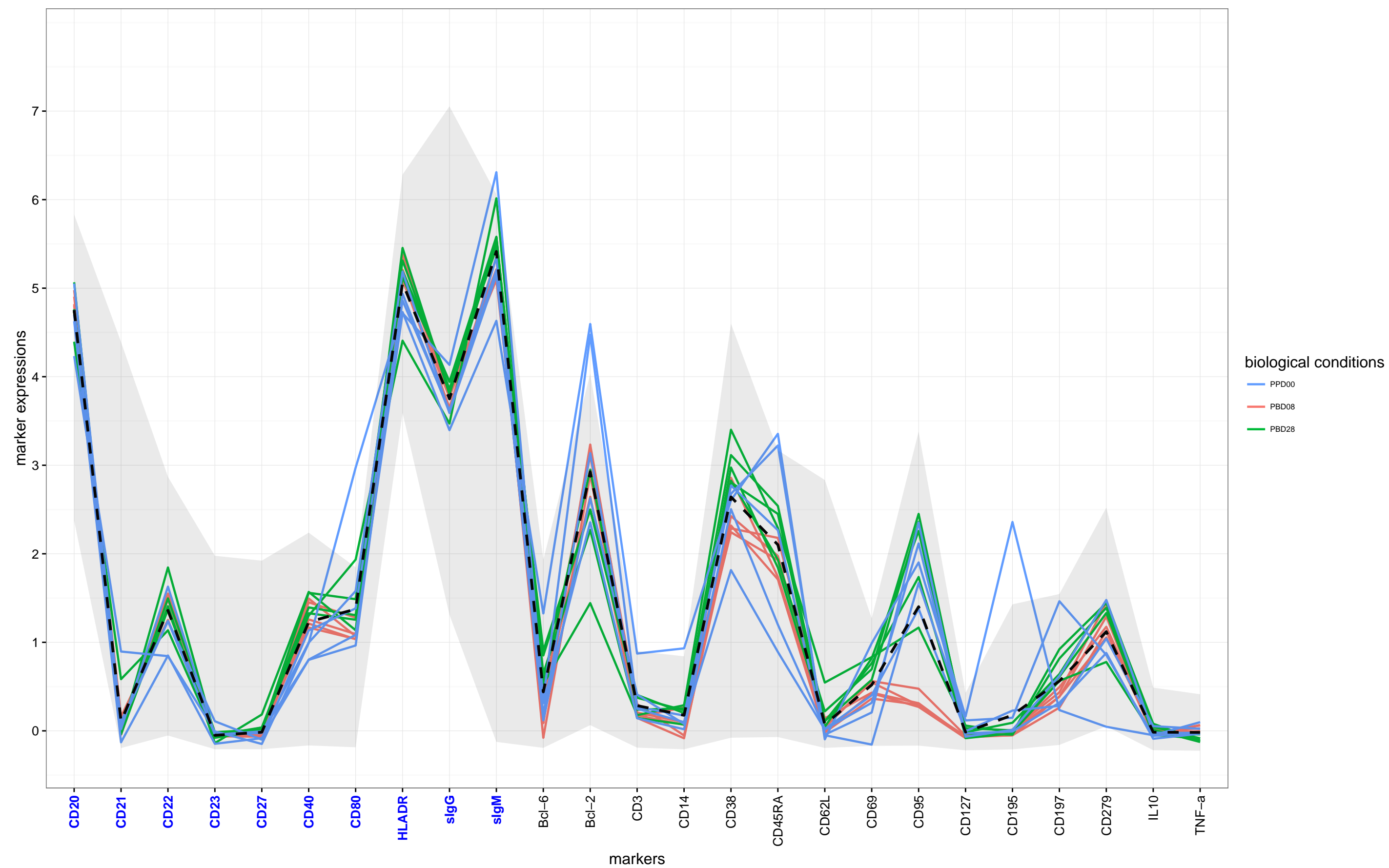


Kinetics Viewer – cluster: 79 (1 467 cells)



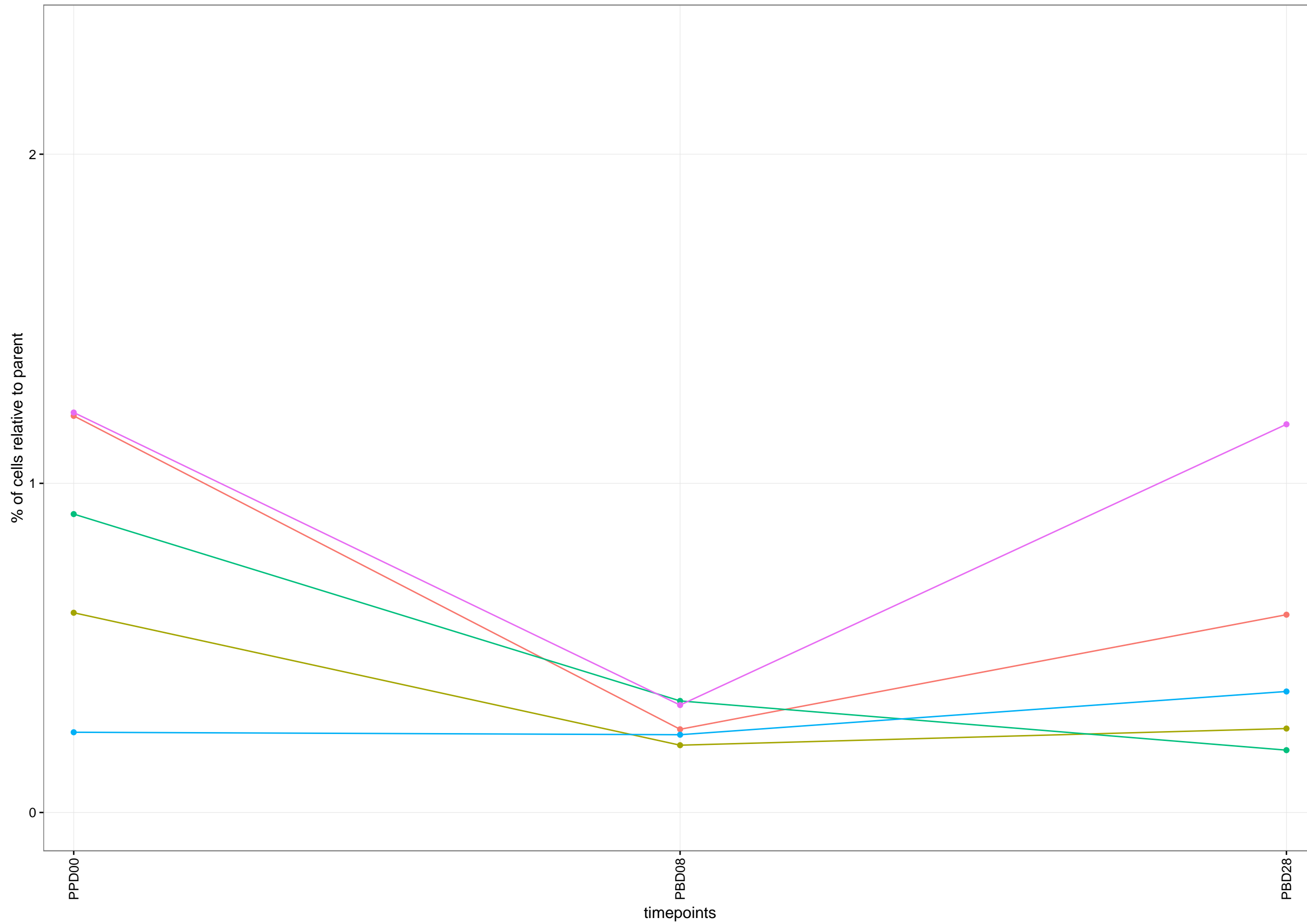
Pheno Viewer – cluster: 79 (1 467 cells)

Grey ribbon displays from 5% to 95% percentiles of the range expression



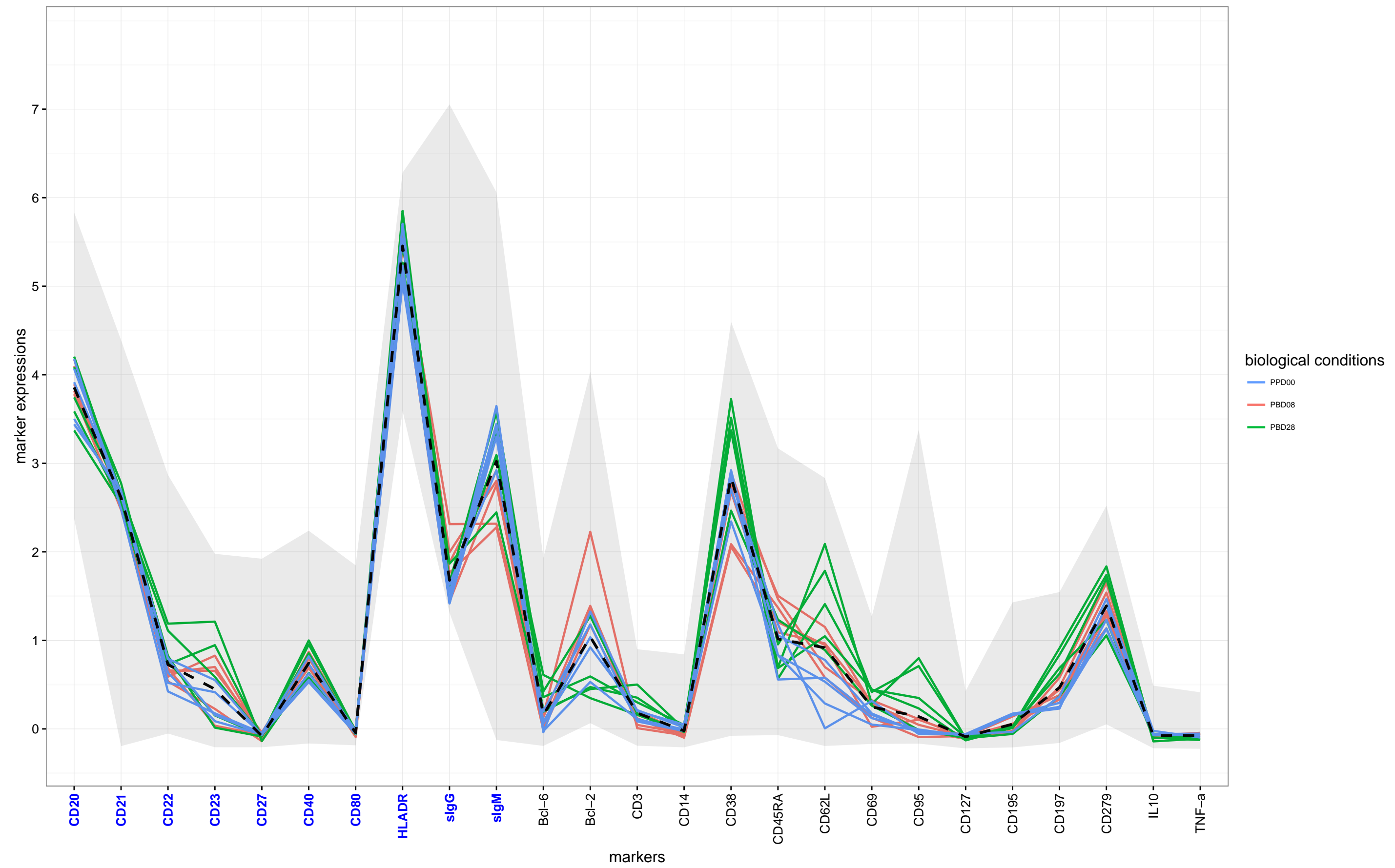


Kinetics Viewer – cluster: 80 (1 366 cells)

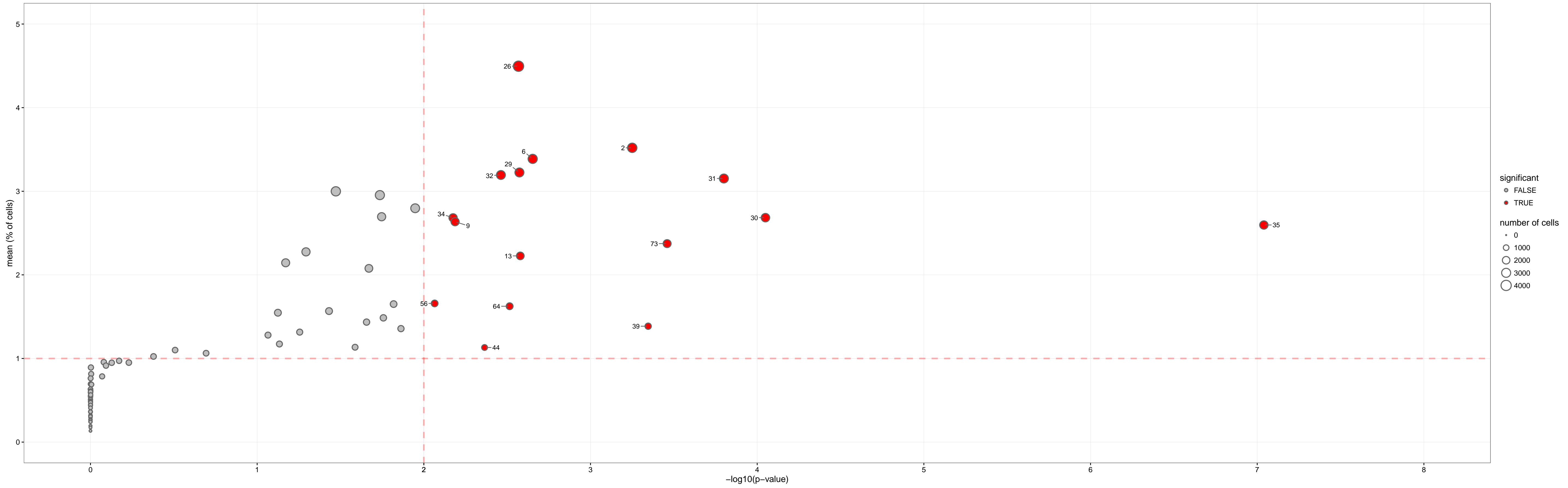


Pheno Viewer – cluster: 80 (1 366 cells)

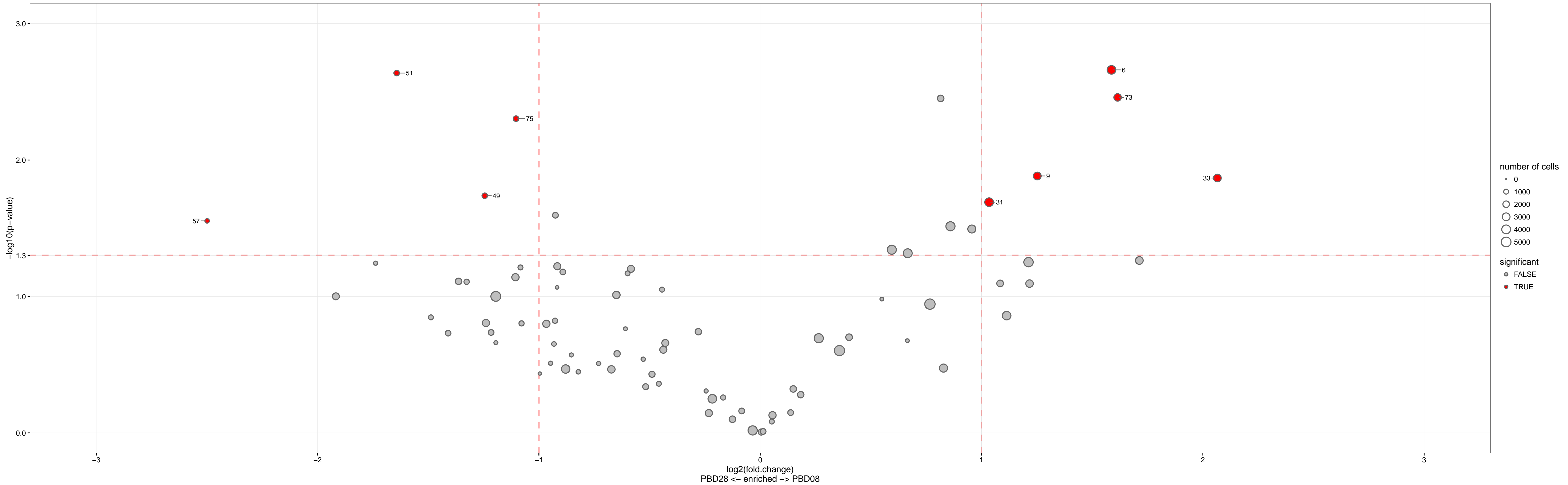
Grey ribbon displays from 5% to 95% percentiles of the range expression



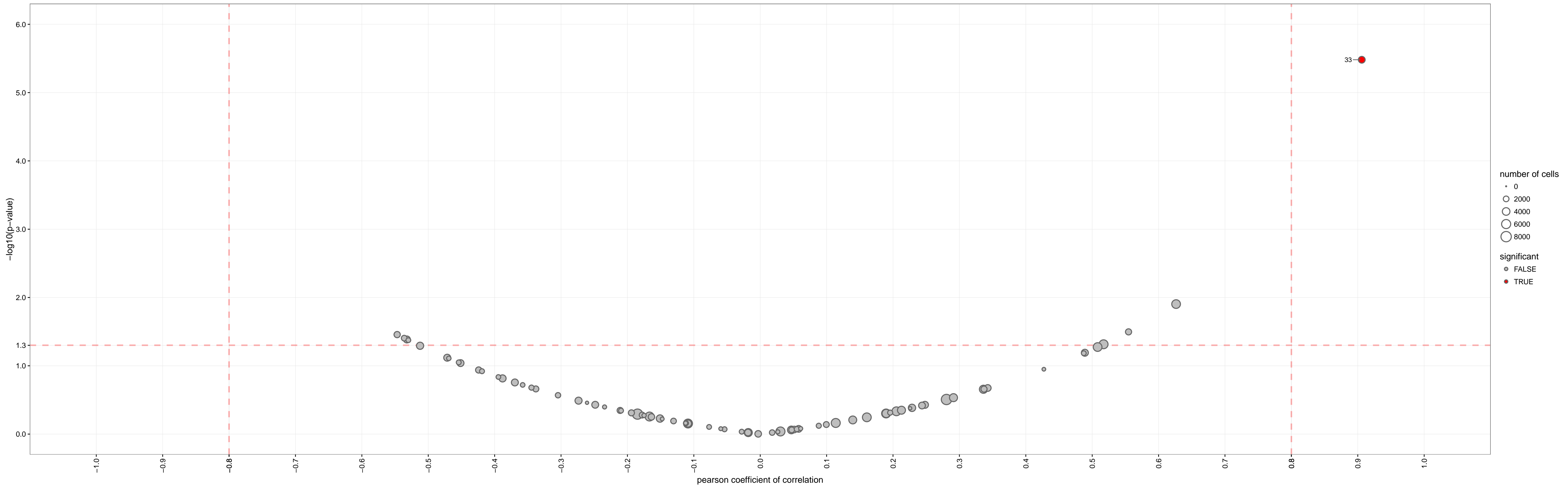
Abundant Clusters  
based on relative abundances using a Student *t*-test



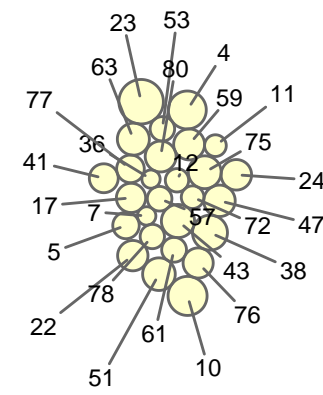
Differentially Abundant Clusters  
based on relative abundances using a Student paired *t*-test



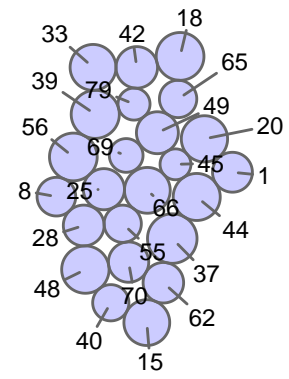
Correlated Clusters  
based on relative abundances using a Pearson correlation method



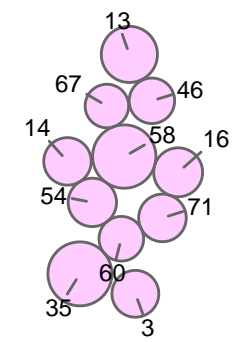
Class 2



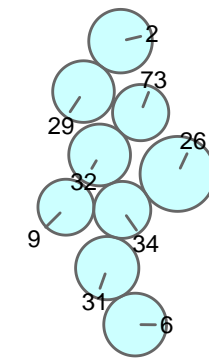
Class 5



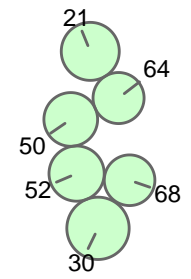
Class 6



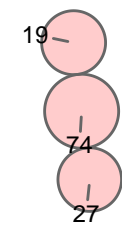
Class 4



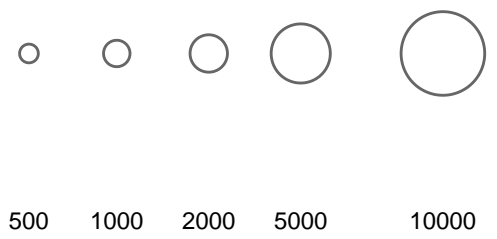
Class 3



Class 1



number of cells





Distogram Viewer for marker phenotypes correlations

