Pre B_cell BLK CD19 FCRL2 4 3 2 -1 -0 MS4A1 PNOC SPIB 4 log Expression 0 PD SD PR TCL1A TNFRSF17 4 3. 2. 1 -0

SD

PD

PR

SD

PD

PR

Post B_cell BLK CD19 FCRL2 4 3 2 1 0 MS4A1 PNOC SPIB 4 log Expression 0 PD SD PR TCL1A TNFRSF17 4 3 2 1 0 SD PD SD PR PD PR

Pre CD8_T_cells CD8A CD8B 6 4 log Expression 2 -0 PD PR PD PR SD SD

Post CD8_T_cells CD8A CD8B 5 log Expression 3 2. SD PR PD SD PR

PD

Pre Cytotoxic_cells CTSW **GNLY** GZMA **GZMB** 6 4 2 0 GZMH KLRB1 KLRD1 KLRK1 6 log Expression 0 SD PR PD SD PD PR NKG7 PRF1 6 4 2 0 PR PD SD SD PR PD

Post Cytotoxic_cells CTSW **GNLY** GZMA **GZMB** 6 4 2 GZMH KLRB1 KLRD1 KLRK1 6 log Expression PR SD PD SD PD PR NKG7 PRF1 6 4 2

PR

SD

PD

PD

SD

PR

Pre Dendritic_cells CCL13 CD209 HSD11B1 4 log Expression 2.

PD

SD

PR

PD

SD

PR

0 -

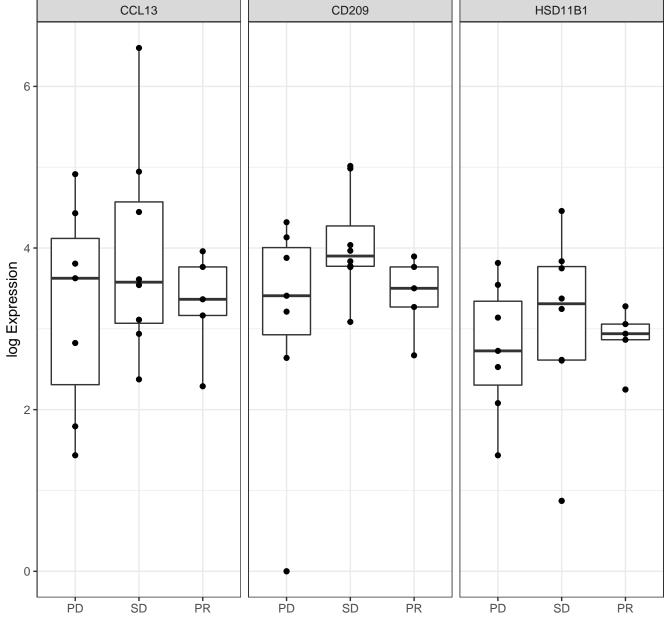
PD

SD

PR

Post Dendritic_cells

CCL13



Pre Exhausted_CD8_T_cells CD244 **EOMES** 5 4 3 2 1 log Expression LAG3 PTGER4 4 3 2 1 0 SD

PR

PD

SD

PR

PD

Post Exhausted_CD8_T_cells CD244 **EOMES** 5 4 3 2 log Expression LAG3 PTGER4 4 3 2 1

SD

PD

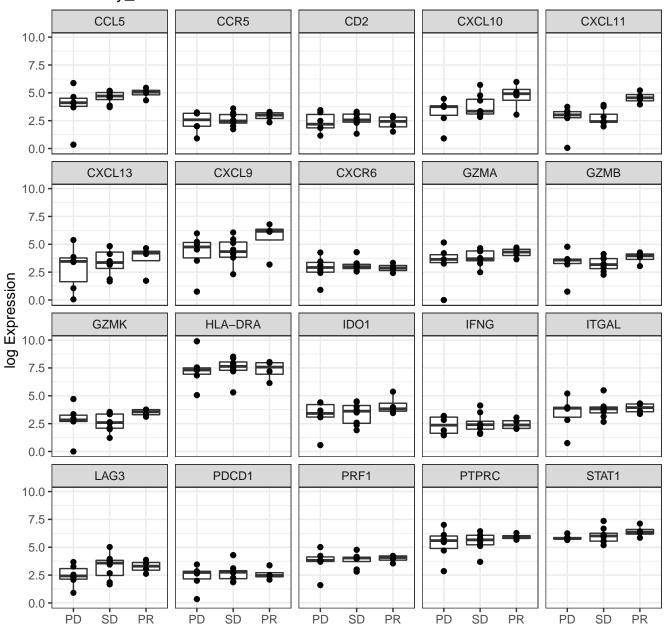
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PD

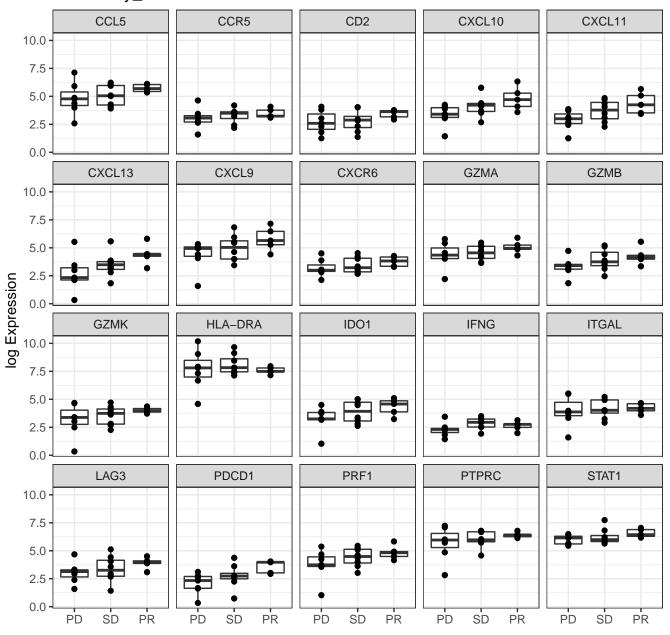
SD

PR

Pre IFNy_26



Post IFNy_26



Pre IFNy_6 CXCL10 CXCL9 HLA-DRA 10.0 -7.5 -5.0 -2.5 log Expression IDO1 IFNG STAT1 10.0 7.5 -5.0 2.5 -

SD

PR

PD

SD

PR

PD

PD

PR

SD

Post IFNy_6 CXCL10 CXCL9 HLA-DRA 10.0 -7.5 -5.0 2.5 log Expression IDO1 IFNG STAT1 7.5 -5.0 2.5 -

SD

PR

PD

PR

SD

PD

PD

PR

SD

Pre Macrophages CD163 CD68 8 6 4 log Expression CD84 MS4A4A 6 4 PD SD PR PD SD PR

Post Macrophages CD163 CD68 7 6 5 4 log Expression CD84 MS4A4A 7 6 5 4 3

PD

SD

PR

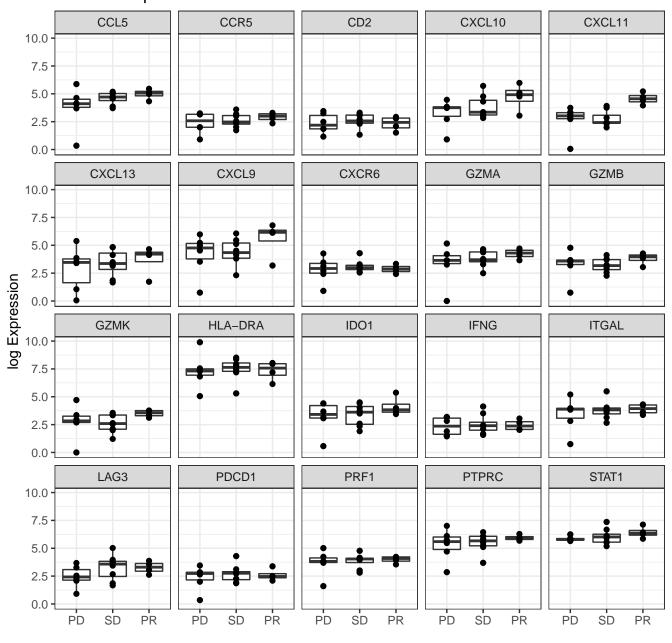
PD

SD

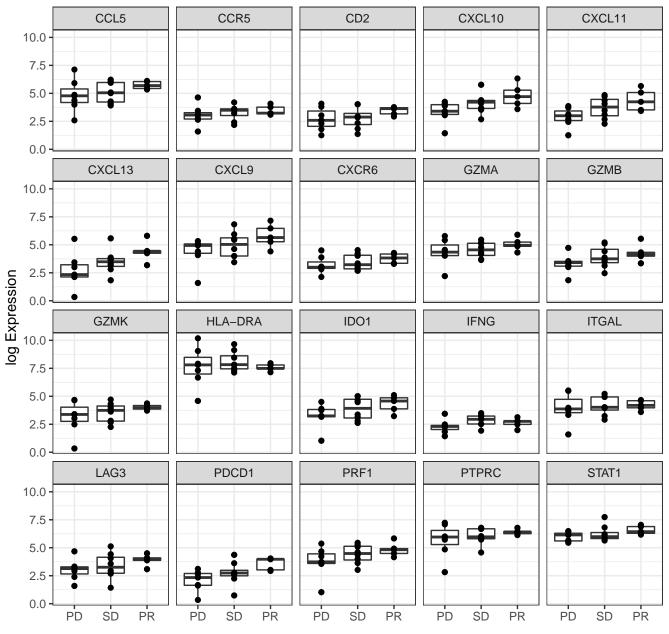
PR

Pre Mast_cells CPA3 HDC 6 4 2 log Expression TPSAB1 MS4A2 6 4 2 SD PD PR PD SD PR

Post Mast_cells CPA3 HDC 6 4 2 log Expression MS4A2 TPSAB1 6 4 2 0 PD SD PR PD SD PR Pre Neutrophils



Post Neutrophils



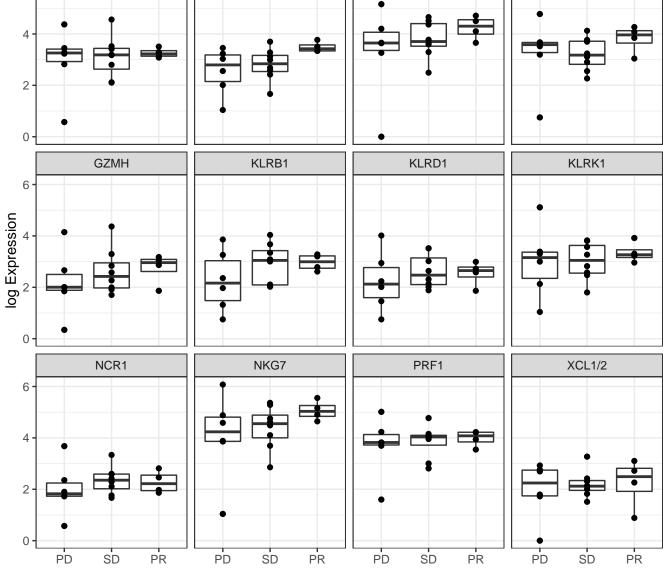
Pre NK_CD56dim IL21R KIR2DL3 4 3 2 1 log Expression KIR3DL1 KIR3DL2 3 2 -0 SD SD PR PD PR PD

Post NK_CD56dim IL21R KIR2DL3 4 3 2 1 log Expression KIR3DL2 KIR3DL1 3. 2 -0 SD PR PR PD PD SD

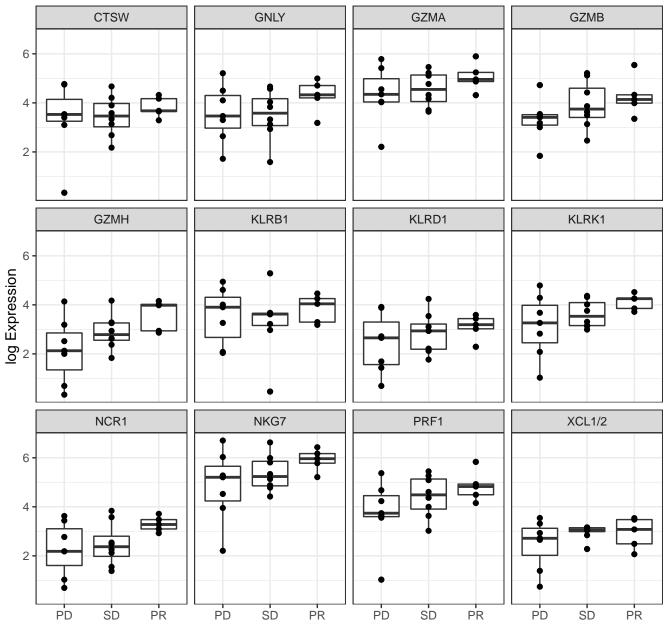
Pre NK_cells_cytotoxic_CCL5 CCL5 CTSW **GNLY** GZMA 6 4 2 0 GZMB **GZMH** KLRB1 KLRD1 6 4 log Expression NCR1 KLRK1 NKG7 PRF1 4 2 PR PD SD PR PD SD PD SD PR XCL1/2 6 4 0 -PD SD PR

Post NK_cells_cytotoxic_CCL5 CCL5 CTSW **GNLY** GZMA 6 -4 2 0 GZMB **GZMH** KLRB1 KLRD1 6 4 log Expression KLRK1 NCR1 NKG7 PRF1 4 2. 0 PD SD PR PD SD PR PD SD PR XCL1/2 6 4 2. 0 PD SD PR

Pre NK_cells_cytotoxic CTSW **GNLY** GZMA **GZMB** 6 4 GZMH KLRB1 KLRD1 KLRK1 NCR1 XCL1/2 NKG7 PRF1



Post NK_cells_cytotoxic



Pre NK_cells NCR1 XCL1/2 3 . log Expression 0 PR PD SD PR PD SD

Post NK_cells NCR1 XCL1/2 3. log Expression 1 PD SD PR PD SD PR

Pre NK1_Signature CCL4 CX3CR1 **GZMB GZMH** 6 4 2 0 KIR2DL3 KIR3DL2 KLRD1 NKG7 6 log Expression SD PD PR RUNX3 PRF1 TBX21 6 4 2

PD

PR

SD

PR

SD

PD

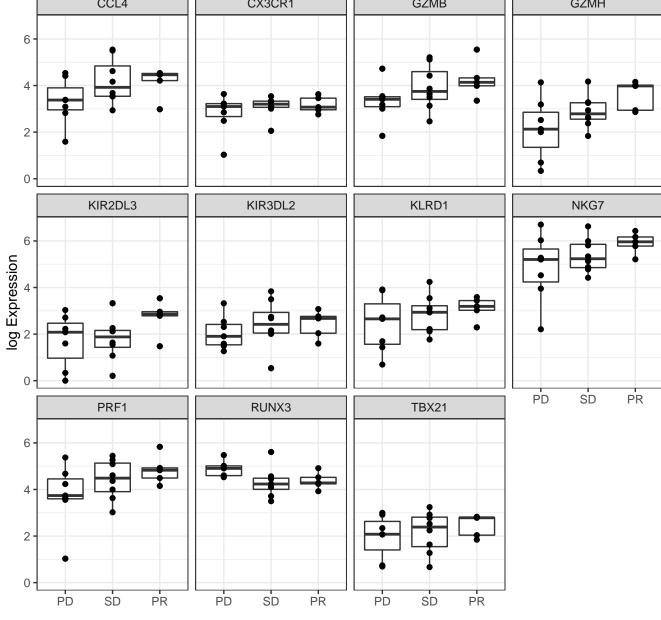
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PD

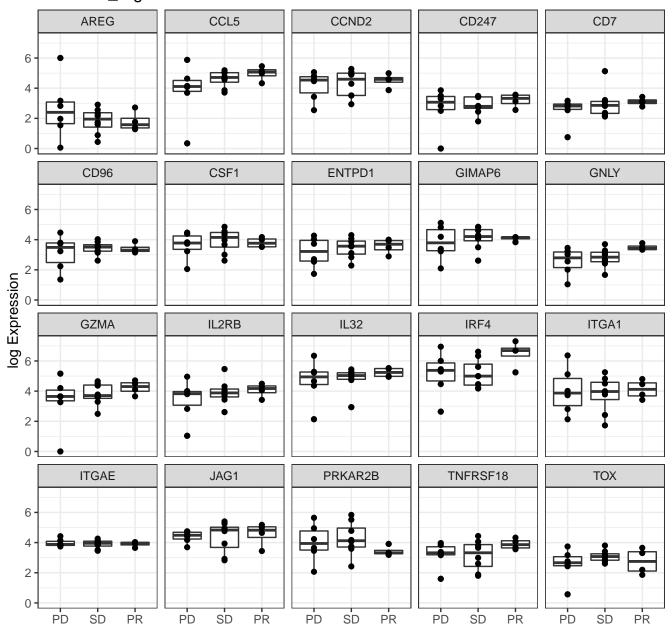
SD

PR

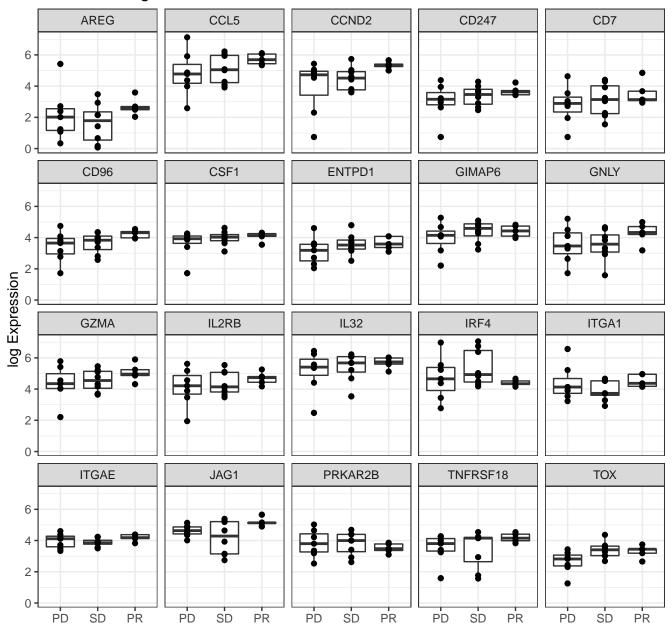
Post NK1_Signature CCL4 CX3CR1 **GZMB GZMH** 6 4 2 0 KIR2DL3 KIR3DL2 KLRD1 NKG7 6 SD PD PR RUNX3 TBX21 PRF1 6



Pre NK2_Signature



Post NK2_Signature



Pre T_cells_cytotoxic CD3D CD3E CD3G CD6 6 4 2 CTSW **GNLY GZMA GZMB** 6 4 log Expression **GZMH** KLRB1 KLRD1 KLRK1 4 2 -NKG7 PRF1 SH2D1A TRAT1 6 2 0 PR SD PD PD SD PD PD SD PR PR SD PR

Post T_cells_cytotoxic CD3D CD3E CD3G CD6 6 2 0 CTSW **GNLY** GZMA **GZMB** 6 log Expression **GZMH** KLRB1 KLRD1 KLRK1 2 NKG7 PRF1 SH2D1A TRAT1 6 4 2 0 PD PD SD PR PD SD SD SD PR PD PR PR

Pre T_cells CD3D CD3E CD3G 4 2 log Expression CD6 SH2D1A TRAT1 4 2 0 SD PD SD PD PD PR PR SD PR

Post T_cells CD3D CD3E CD3G 5 4 3 2 1 log Expression CD6 SH2D1A TRAT1 4 3 2 1 0 SD PD SD PR PD PD PR PR SD

Pre Th1 TBX21 3 log Expression 0 PD SD PR

Post Th1 TBX21 3.0 2.5 log Expression 1.5 -1.0 PD SD PR

Pre Treg FOXP3 3 log Expression 2 -SD PD PR

Post Treg FOXP3 3.5 3.0 log Expression 2.0 1.5 PD SD PR