Myeloid-Derived Suppressor Cell (MDSC) Gene Signatures - PYGL MCEMP1 subset C5AR1 BST1 UPP1 M-MDSC PMN-MDSC ΗP CCR1 M- & PMN-MDSC SELL CXCR2 S100A8 S100A12 FBXL5 PGLYRP1 IL1B OSM ADIPOR1 LRG1 YPEL3 **GSR** RTP4 MSRB1 PKM LAMP2 IL4R GDPD3 FCGR2A VCAN TXNSTK17B SOCS3 SLC40A1 SEPHS2 NAMPT **PGD PILRA** PROK2 MYD88 CCRL2 SPI1 SIGLEC9 TACSTD2 R3HDM4 PNPLA2 - MPP1 - IGFBP6 - HLA-DRA - HLA-DPA1 - HBB - TBC1D14 - TALDO1 - SORL1 - RBM3 - OGFRL1 - NPL - F13A1 UBE2H **UBB** UBA52 PIM1 HDC **GPR146** ANKRD33B ZYX VNN2 STEAP4 SRGN LMNB1 NCF4 LILRB4 DCK LILRA5 ACSL1 TIMP1 SSU72 RNASEL RGS3 PLSCR1 LGALS1 **LDHA** IFITM3 GYG1 EDEM2 CTSD CD14 CALR ATP11B - VAMP5 - S100A11 PLAC8 IFITM2 IFITM1 HIST1H1C - GCLM - GADD45A ALDOA ALOX5AP RAB24 ATG3 EMILIN2 DUSP1 CYP1B1 CSTA CLU CLEC4E GLIPR2 GLRX FLOT1 IER2 CD163 CLEC4D JUNB IER3 IFIT2 **PTAFR** RAF1 **RHOB** RASGRP4 SAMD9L FPR1 FPR2 OAS2 SLFN5 DUSP6 IRF7 IFIT3 ISG15 · FFAR2 · LYST · IL17RA CD177 ZBP1 NDST1 PADI4 PFKFB4 TLR2 TIMP2 STX11 LILRA6 PAG1 CRISPLD2 IL1RN IL18RAP SLC2A3 S100A9 0 DMXL2 GABBR1 LCN2 NBEAL2 MMP9 Day 7 Day -2 Day 0 Day -4 Day -1 9 Day Day Day Day Day

Day relative to respiratory nadir