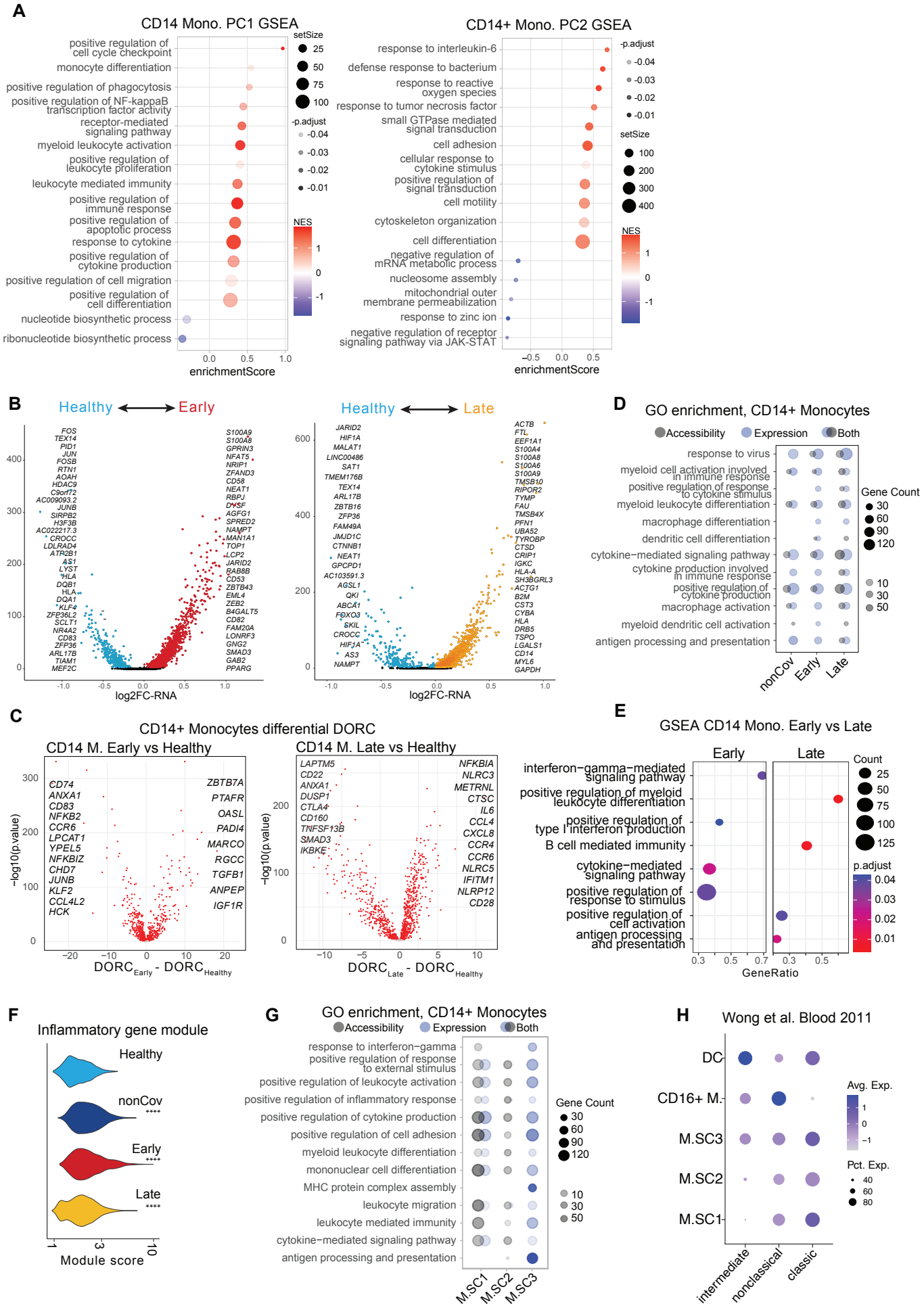
Figure S2


A
CD14 Mono. PC1 GSEA
positive regulation of cell cycle checkpoint
monocyte differentiation
positive regulation of phagocytosis
positive regulation of NF-kappaB transcription factor activity
receptor-mediated signaling pathway
myeloid leukocyte activation
positive regulation of leukocyte proliferation
leukocyte mediated immunity
positive regulation of immune response
positive regulation of apoptotic process
response to cytokine
positive regulation of cytokine production
positive regulation of cell migration
positive regulation of cell differentiation
nucleotide biosynthetic process
ribonucleotide biosynthetic process
enrichmentScore
setSize
-p.adjust
NES
CD14+ Mono. PC2 GSEA
response to interleukin-6
defense response to bacterium
response to reactive oxygen species
response to tumor necrosis factor
small GTPase mediated signal transduction
cell adhesion
cellular response to cytokine stimulus
positive regulation of signal transduction
cell motility
cytoskeleton organization
cell differentiation
negative regulation of mRNA metabolic process
nucleosome assembly
mitochondrial outer membrane permeabilization
response to zinc ion
negative regulation of receptor signaling pathway via JAK-STAT
B
Healthy ⟷ Early
Healthy ⟷ Late
-log(adj.pval)
log2FC-RNA
C
CD14+ Monocytes differential DORC
CD14 M. Early vs Healthy
CD14 M. Late vs Healthy
−log10(p.value)
DORC Early - DORC Healthy
DORC Late - DORC Healthy
D
GO enrichment, CD14+ Monocytes
Accessibility
Expression
Both
response to virus
myeloid cell activation involved in immune response
positive regulation of response to cytokine stimulus
myeloid leukocyte differentiation
macrophage differentiation
dendritic cell differentiation
cytokine−mediated signaling pathway
cytokine production involved in immune response
positive regulation of cytokine production
macrophage activation
myeloid dendritic cell activation
antigen processing and presentation
nonCov
Early
Late
Gene Count
E
GSEA CD14 Mono. Early vs Late
Early
Late
interferon−gamma−mediated signaling pathway
positive regulation of myeloid leukocyte differentiation
positive regulation of type I interferon production
B cell mediated immunity
cytokine−mediated signaling pathway
positive regulation of response to stimulus
positive regulation of cell activation
antigen processing and presentation
Count
p.adjust
GeneRatio
F
Inflammatory gene module
Healthy
nonCov
Early
Late
Module score
G
GO enrichment, CD14+ Monocytes
Accessibility
Expression
Both
response to interferon−gamma
positive regulation of response to external stimulus
positive regulation of leukocyte activation
positive regulation of inflammatory response
positive regulation of cytokine production
positive regulation of cell adhesion
myeloid leukocyte differentiation
mononuclear cell differentiation
MHC protein complex assembly
leukocyte migration
leukocyte mediated immunity
cytokine−mediated signaling pathway
antigen processing and presentation
M.SC1
M.SC2
M.SC3
Gene Count
H
Wong et al. Blood 2011
DC
CD16+ M.
M.SC3
M.SC2
M.SC1
intermediate
nonclassical
classic
Avg. Exp.
Pct. Exp.