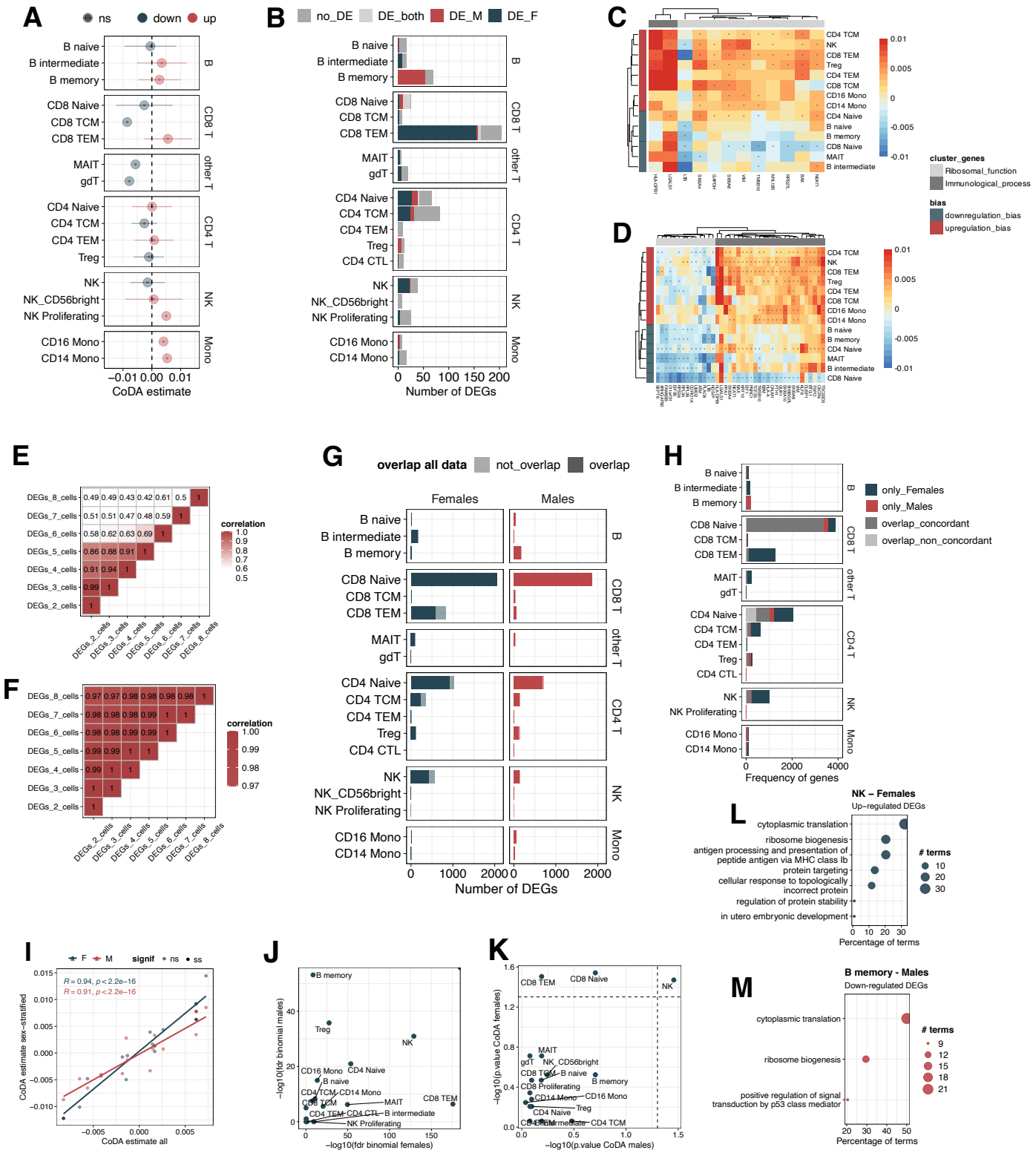
A
ns
down
up
B naive
B intermediate
B memory
CD8 Naive
CD8 TCM
CD8 TEM
MAIT
gdT
CD4 Naive
CD4 TCM
CD4 TEM
Treg
NK
NK_CD56bright
NK Proliferating
CD16 Mono
CD14 Mono
B
CD8 T
other T
CD4 T
NK
Mono
−0.01 0.00 0.01
CoDA estimate
B
no_DE
DE_both
DE_M
DE_F
CD4 CTL
0 50 100 150 200
Number of DEGs
C
D
cluster_genes
Ribosomal_function
Immunological_process
bias
downregulation_bias
upregulation_bias
E
F
correlation
G
overlap all data
not_overlap
overlap
Females
Males
H
only_Females
only_Males
overlap_concordant
overlap_non_concordant
Frequency of genes
L
NK – Females
Up−regulated DEGs
cytoplasmic translation
ribosome biogenesis
antigen processing and presentation of peptide antigen via MHC class Ib
protein targeting
cellular response to topologically incorrect protein
regulation of protein stability
in utero embryonic development
terms
Percentage of terms
I
F
M
signif
ns
ss
R = 0.94, p < 2.2e−16
R = 0.91, p < 2.2e−16
CoDA estimate sex-stratified
CoDA estimate all
J
B memory
Treg
NK
CD16 Mono
CD4 Naive
B naive
CD4 TCM
CD14 Mono
CD8 TCM
MAIT
CD8 TEM
CD4 TEM
CD4 CTL
B intermediate
NK Proliferating
−log10(fdr binomial males)
−log10(fdr binomial females)
K
CD8 TEM
CD8 Naive
NK
MAIT
gdT
NK_CD56bright
CD8 TCM
B naive
B memory
CD8 Proliferating
CD14 Mono
CD16 Mono
Treg
CD4 Naive
CD4 TCM
−log10(p.value CoDA females)
−log10(p.value CoDA males)
M
B memory - Males
Down-regulated DEGs
cytoplasmic translation
ribosome biogenesis
positive regulation of signal transduction by p53 class mediator
terms
Percentage of terms

I