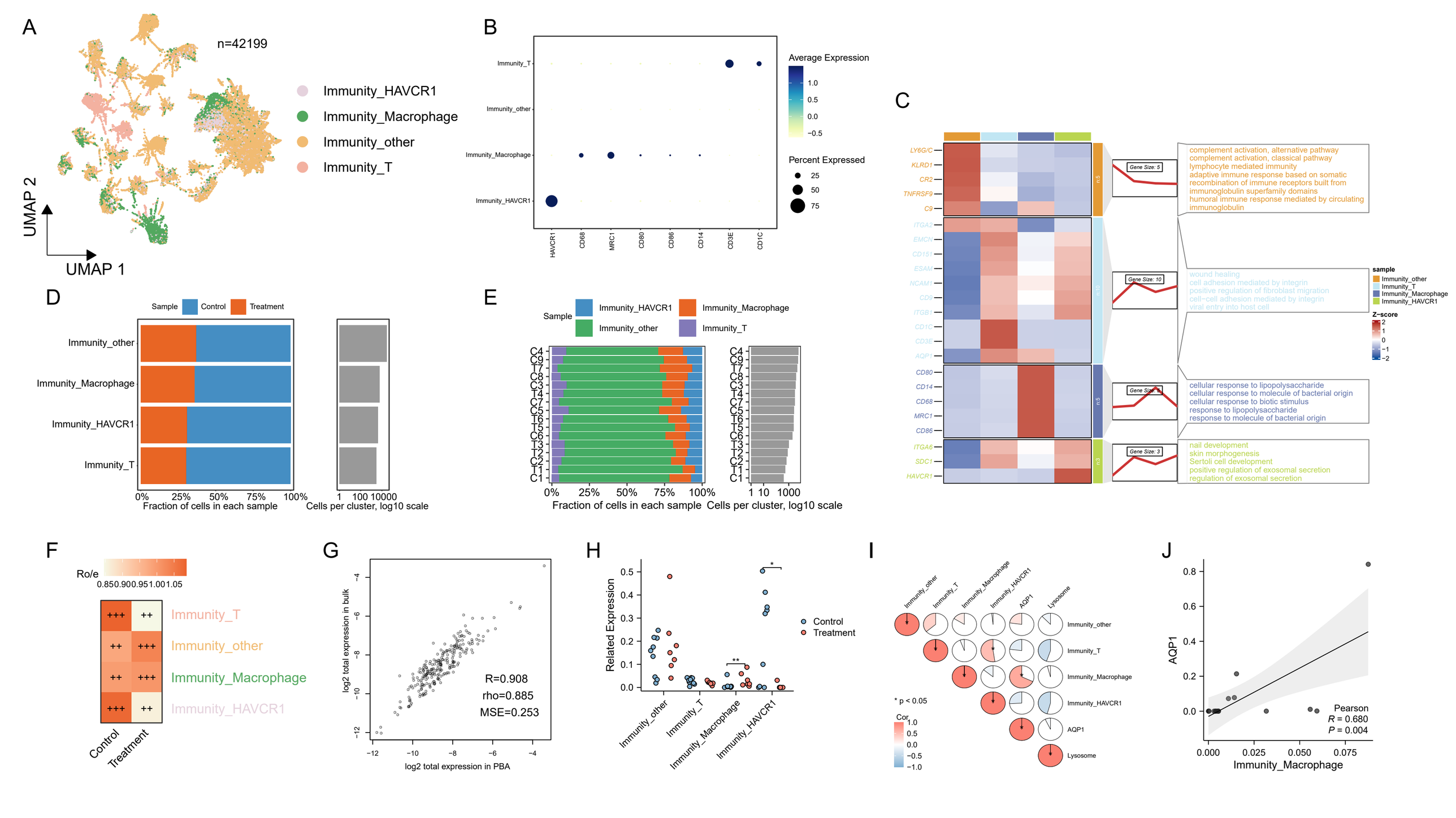
A
n=42199
Immunity_HAVCR1
Immunity_Macrophage
Immunity_other
Immunity_T
UMAP 2
UMAP 1
B
Immunity_T
Immunity_other
Immunity_Macrophage
Immunity_HAVCR1
HAVCR1
CD68
MRC1
CD80
CD86
CD14
CD3E
CD1C
Average Expression
1.0
0.5
0.0
−0.5
Percent Expressed
25
50
75
C
LY6G/C
KLRD1
CR2
TNFRSF9
C9
ITGA2
EMCN
CD151
ESAM
NCAM1
CD9
ITGB1
CD1C
CD3E
AQP1
CD80
CD14
CD68
MRC1
CD86
ITGA6
SDC1
HAVCR1
n:5
n:10
n:5
n:3
Gene Size: 5
Gene Size: 10
Gene Size: 5
Gene Size: 3
complement activation, alternative pathway
complement activation, classical pathway
lymphocyte mediated immunity
adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains
humoral immune response mediated by circulating immunoglobulin
wound healing
cell adhesion mediated by integrin
positive regulation of fibroblast migration
cell−cell adhesion mediated by integrin
viral entry into host cell
cellular response to lipopolysaccharide
cellular response to molecule of bacterial origin
cellular response to biotic stimulus
response to lipopolysaccharide
response to molecule of bacterial origin
nail development
skin morphogenesis
Sertoli cell development
positive regulation of exosomal secretion
regulation of exosomal secretion
sample
Immunity_other
Immunity_T
Immunity_Macrophage
Immunity_HAVCR1
Z−score
2
1
0
−1
−2
D
Sample
Control
Treatment
Immunity_other
Immunity_Macrophage
Immunity_HAVCR1
Immunity_T
0%
25%
50%
75%
100%
Fraction of cells in each sample
1
100
10000
Cells per cluster, log10 scale
E
Sample
Immunity_HAVCR1
Immunity_Macrophage
Immunity_other
Immunity_T
C4
C9
T7
C8
C3
T4
C7
C5
T6
T5
C6
T3
T2
C2
T1
C1
0%
25%
50%
75%
100%
Fraction of cells in each sample
1
10
1000
Cells per cluster, log10 scale
F
Ro/e
0.85
0.90
0.95
1.00
1.05
+++
++
Immunity_T
Immunity_other
Immunity_Macrophage
Immunity_HAVCR1
Control
Treatment
G
log2 total expression in bulk
log2 total expression in PBA
−4
−6
−8
−10
−12
R=0.908
rho=0.885
MSE=0.253
H
Related Expression
0.5
0.4
0.3
0.2
0.1
0.0
*
**
Control
Treatment
Immunity_other
Immunity_T
Immunity_Macrophage
Immunity_HAVCR1
I
Immunity_other
Immunity_T
Immunity_Macrophage
Immunity_HAVCR1
AQP1
Lysosome
* p < 0.05
Cor
1.0
0.5
0.0
−0.5
−1.0
J
AQP1
0.8
0.6
0.4
0.2
0.0
0.000
0.025
0.050
0.075
Immunity_Macrophage
Pearson
R = 0.680
P = 0.004