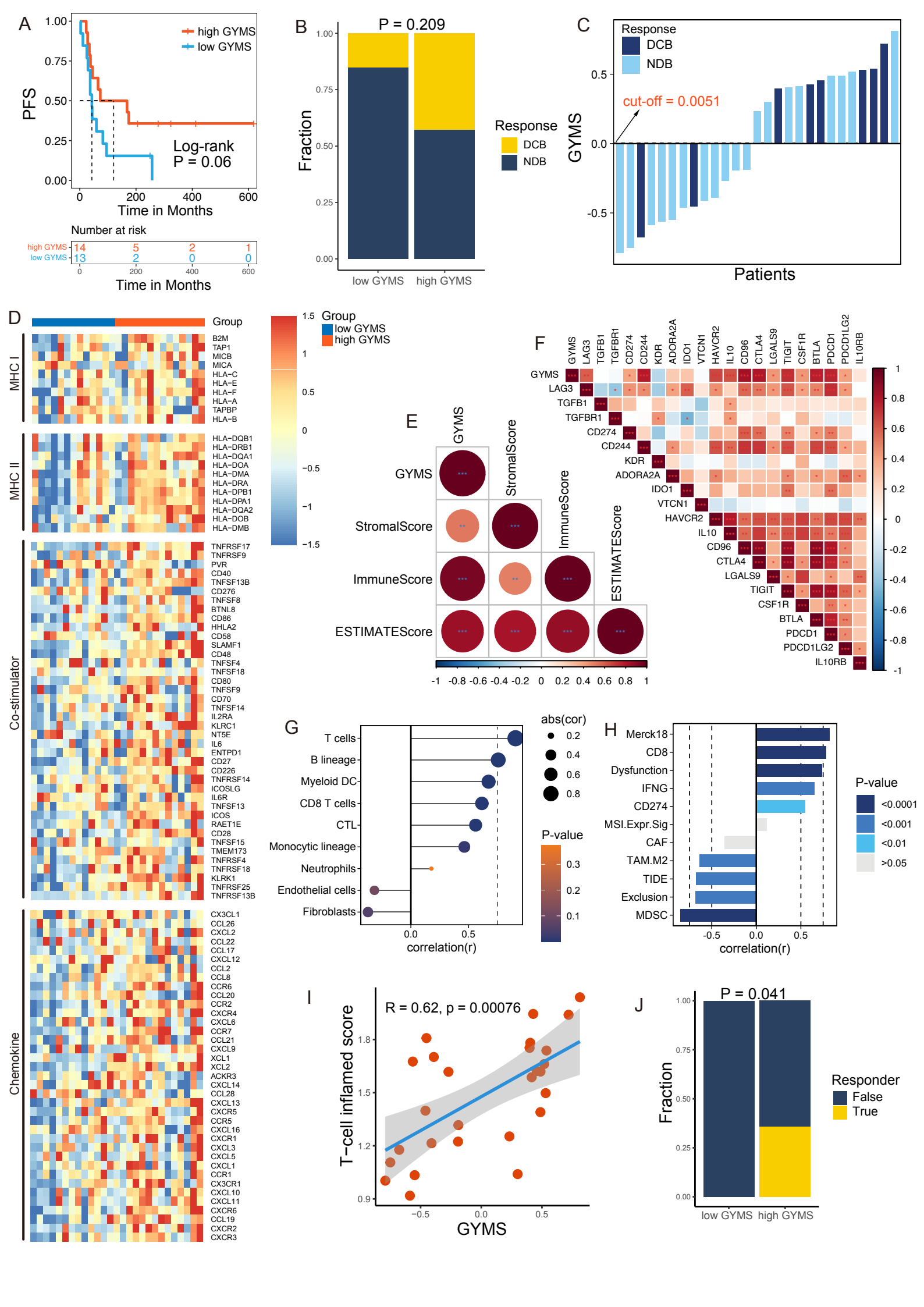
A
high GYMS
low GYMS
PFS
Log-rank
P = 0.06
Time in Months
Number at risk
high GYMS 14 5 2 1
low GYMS 13 2 0 0
Time in Months
B
P = 0.209
Fraction
Response
DCB
NDB
low GYMS
high GYMS
C
Response
DCB
NDB
cut-off = 0.0051
GYMS
Patients
D
Group
low GYMS
high GYMS
MHC I
B2M
TAP1
MICB
MICA
HLA−C
HLA−E
HLA−F
HLA−A
TAPBP
HLA−B
MHC II
HLA−DQB1
HLA−DRB1
HLA−DQA1
HLA−DOA
HLA−DMA
HLA−DRA
HLA−DPB1
HLA−DPA1
HLA−DQA2
HLA−DOB
HLA−DMB
Co-stimulator
TNFRSF17
TNFRSF9
PVR
CD40
TNFSF13B
CD276
TNFSF8
BTNL8
CD86
HHLA2
CD58
SLAMF1
CD48
TNFSF4
TNFSF18
CD80
TNFSF9
CD70
TNFSF14
IL2RA
KLRC1
NT5E
IL6
ENTPD1
CD27
CD226
TNFRSF14
ICOSLG
IL6R
TNFSF13
ICOS
RAET1E
CD28
TNFSF15
TMEM173
TNFRSF4
TNFRSF18
KLRK1
TNFRSF25
TNFRSF13B
Chemokine
CX3CL1
CCL26
CXCL2
CCL22
CCL17
CXCL12
CCL2
CCL8
CCR6
CCL20
CCR2
CXCR4
CXCL6
CCR7
CCL21
CXCL9
XCL1
XCL2
ACKR3
CXCL14
CCL28
CXCL13
CXCR5
CCR5
CXCL16
CXCR1
CXCL3
CXCL5
CXCL1
CCR1
CX3CR1
CXCL10
CXCL11
CXCR6
CCL19
CXCR2
CXCR3
E
GYMS
StromalScore
ImmuneScore
ESTIMATEScore
F
GYMS
LAG3
TGFB1
TGFBR1
CD274
CD244
KDR
ADORA2A
IDO1
VTCN1
HAVCR2
IL10
CD96
CTLA4
LGALS9
TIGIT
CSF1R
BTLA
PDCD1
PDCD1LG2
IL10RB
G
T cells
B lineage
Myeloid DC
CD8 T cells
CTL
Monocytic lineage
Neutrophils
Endothelial cells
Fibroblasts
correlation(r)
abs(cor)
P-value
H
Merck18
CD8
Dysfunction
IFNG
CD274
MSI.Expr.Sig
CAF
TAM.M2
TIDE
Exclusion
MDSC
correlation(r)
P-value
<0.0001
<0.001
<0.01
>0.05
I
R = 0.62, p = 0.00076
T−cell inflamed score
GYMS
J
P = 0.041
Fraction
Responder
False
True
low GYMS
high GYMS