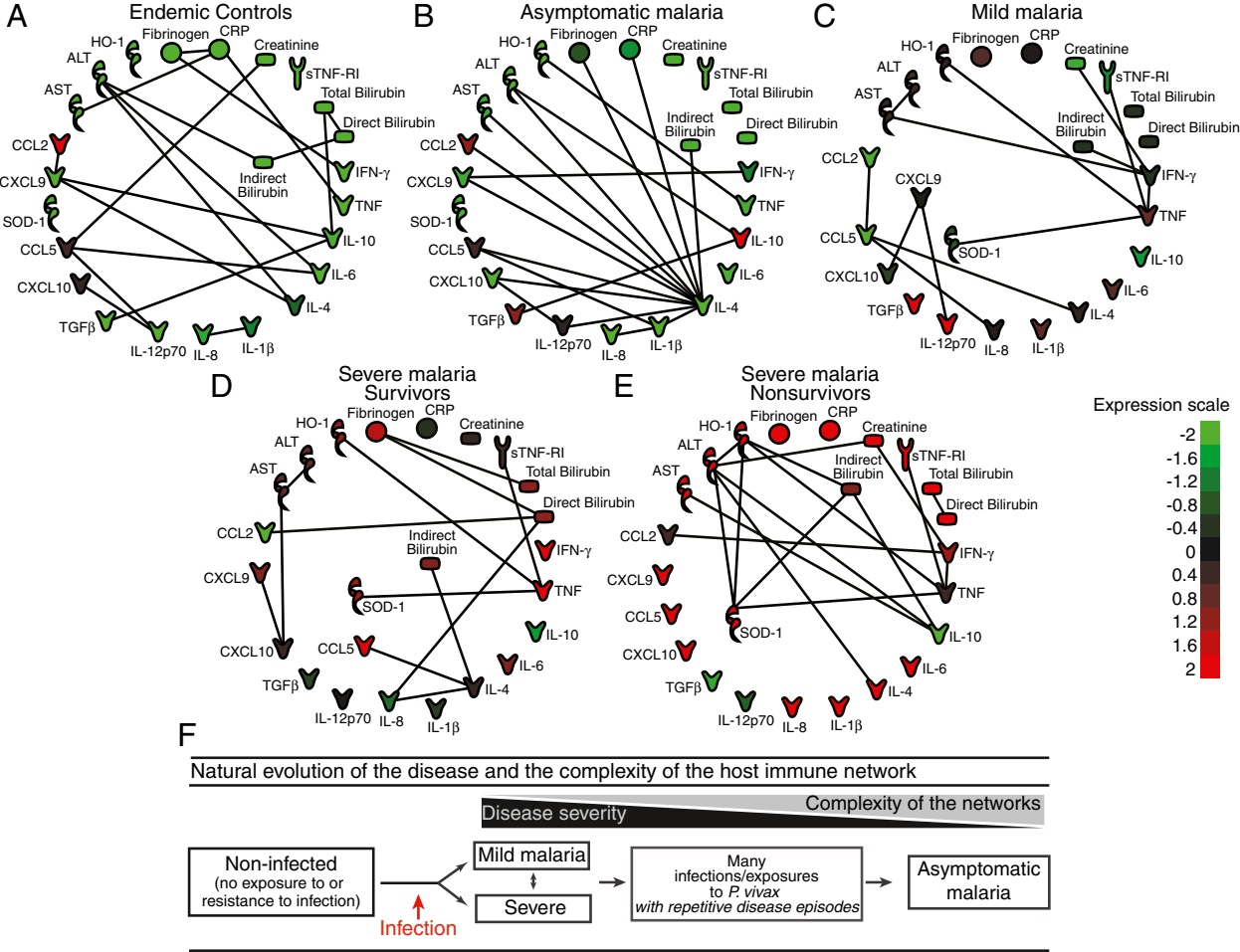
A
Endemic Controls
B
Asymptomatic malaria
C
Mild malaria
D
Severe malaria
Survivors
E
Severe malaria
Nonsurvivors
HO-1
Fibrinogen
CRP
Creatinine
ALT
AST
sTNF-RI
Total Bilirubin
Direct Bilirubin
Indirect Bilirubin
CCL2
CXCL9
SOD-1
CCL5
CXCL10
TGFβ
IFN-γ
TNF
IL-10
IL-6
IL-4
IL-12p70
IL-8
IL-1β
Expression scale
-2
-1.6
-1.2
-0.8
-0.4
0
0.4
0.8
1.2
1.6
2
F
Natural evolution of the disease and the complexity of the host immune network
Disease severity
Complexity of the networks
Non-infected
(no exposure to or
resistance to infection)
Infection
Mild malaria
Severe
Many
infections/exposures
to P. vivax
with repetitive disease episodes
Asymptomatic
malaria