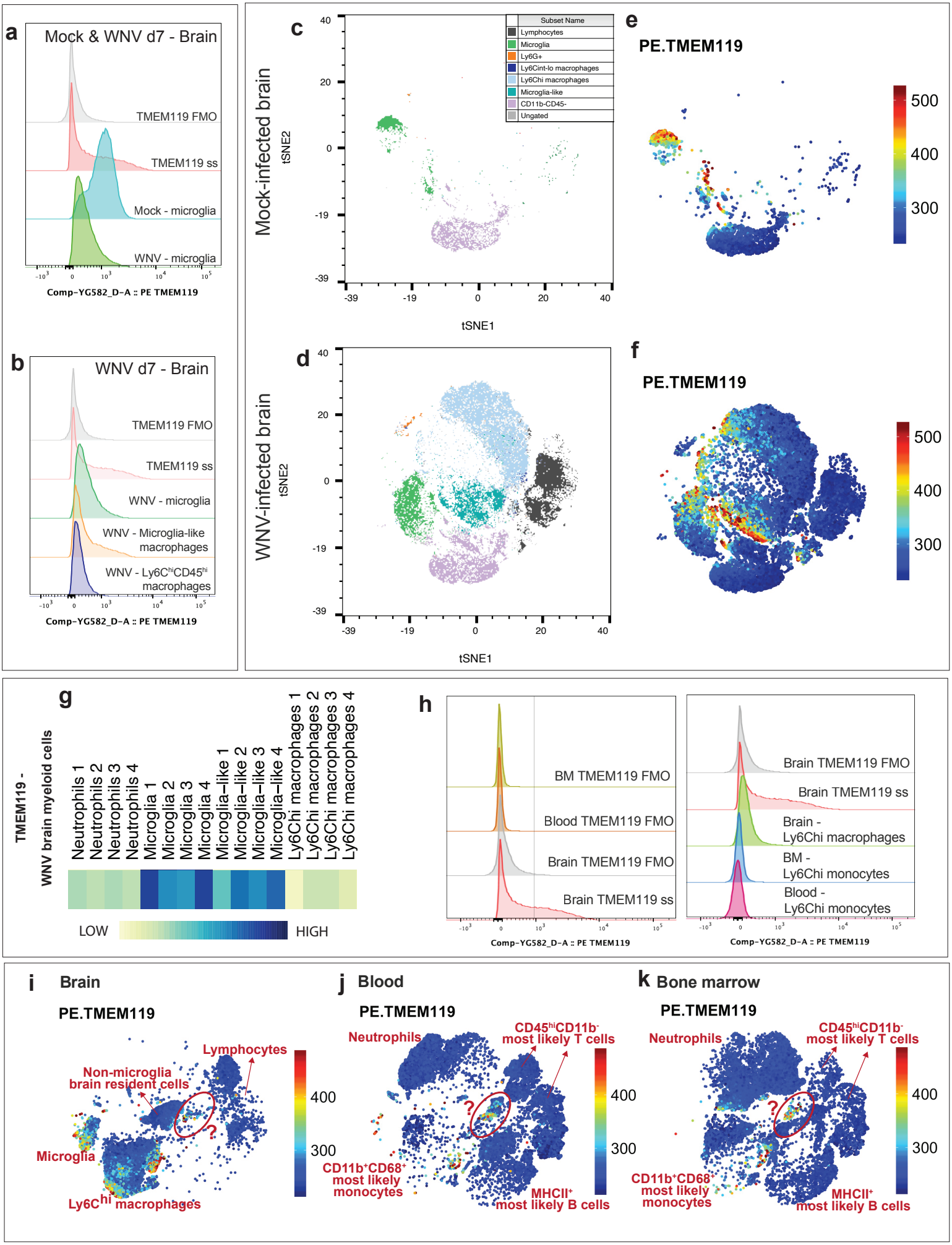
a
Mock & WNV d7 - Brain
TMEM119 FMO
TMEM119 ss
Mock - microglia
WNV - microglia
Comp-YG582_D-A :: PE TMEM119
b
WNV d7 - Brain
TMEM119 FMO
TMEM119 ss
WNV - microglia
WNV - Microglia-like macrophages
WNV - Ly6C^hiCD45^hi macrophages
Comp-YG582_D-A :: PE TMEM119
c
Mock-infected brain
tSNE2
tSNE1
Subset Name
Lymphocytes
Microglia
Ly6G+
Ly6Cint-lo macrophages
Ly6Chi macrophages
Microglia-like
CD11b-CD45-
Ungated
d
WNV-infected brain
tSNE2
tSNE1
e
PE.TMEM119
f
PE.TMEM119
g
TMEM119 -
WNV brain myeloid cells
Neutrophils 1
Neutrophils 2
Neutrophils 3
Neutrophils 4
Microglia 1
Microglia 2
Microglia 3
Microglia 4
Microglia–like 1
Microglia–like 2
Microglia–like 3
Microglia–like 4
Ly6Chi macrophages 1
Ly6Chi macrophages 2
Ly6Chi macrophages 3
Ly6Chi macrophages 4
LOW
HIGH
h
BM TMEM119 FMO
Blood TMEM119 FMO
Brain TMEM119 FMO
Brain TMEM119 ss
Comp-YG582_D-A :: PE TMEM119
Brain TMEM119 FMO
Brain TMEM119 ss
Brain - Ly6Chi macrophages
BM - Ly6Chi monocytes
Blood - Ly6Chi monocytes
Comp-YG582_D-A :: PE TMEM119
i Brain
PE.TMEM119
Lymphocytes
Non-microglia brain resident cells
Microglia
Ly6C^hi macrophages
j Blood
PE.TMEM119
Neutrophils
CD45^hiCD11b^- most likely T cells
CD11b^+CD68^+ most likely monocytes
MHCII^+ most likely B cells
k Bone marrow
PE.TMEM119
Neutrophils
CD45^hiCD11b^- most likely T cells
CD11b^+CD68^+ most likely monocytes
MHCII^+ most likely B cells