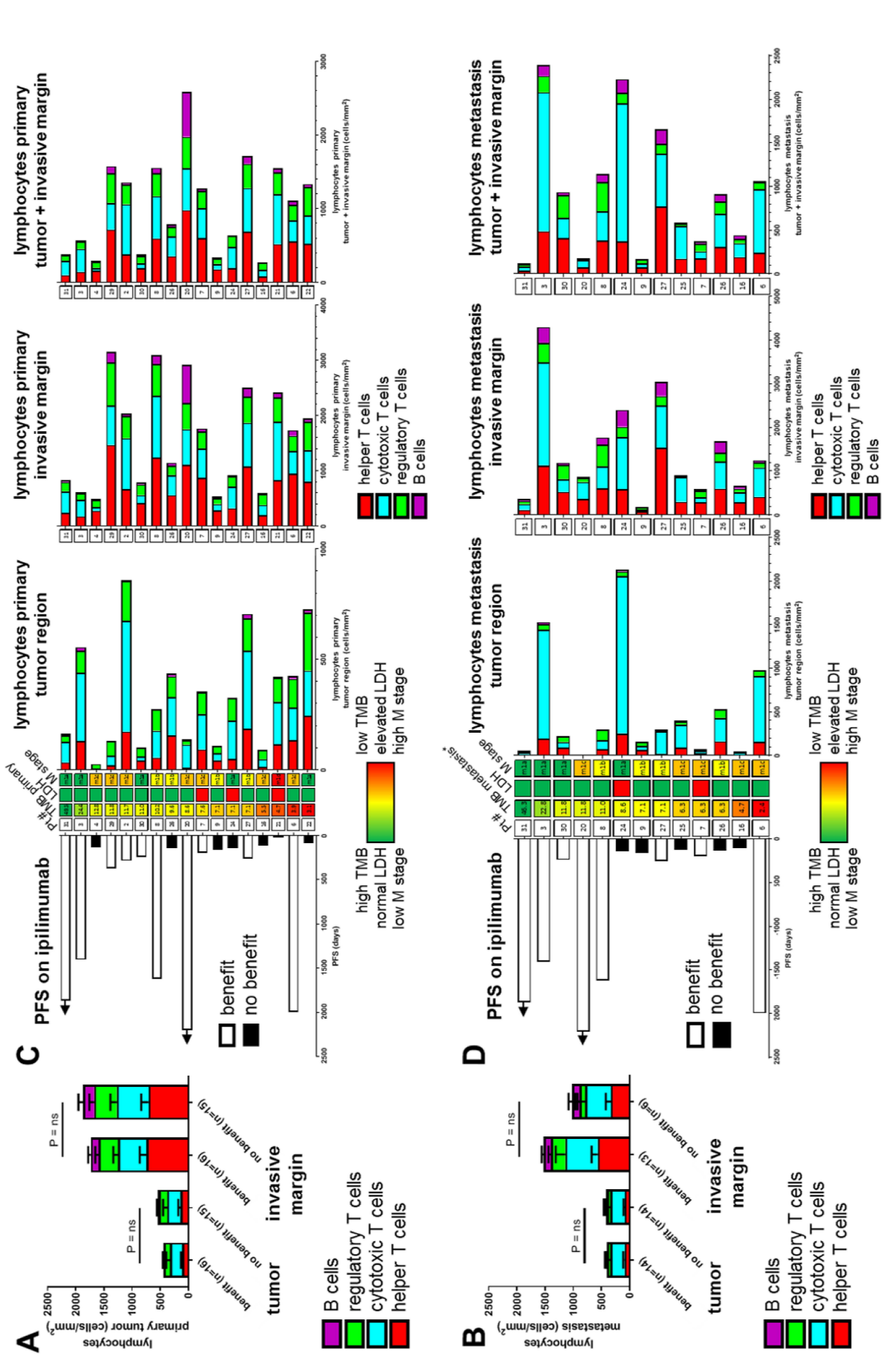
A
lymphocytes primary tumor (cells/mm²)
P = ns
P = ns
benefit (n=16)
no benefit (n=15)
benefit (n=16)
no benefit (n=15)
tumor invasive margin
B cells
regulatory T cells
cytotoxic T cells
helper T cells
B
lymphocytes metastasis (cells/mm²)
P = ns
P = ns
benefit (n=14)
no benefit (n=14)
benefit (n=13)
no benefit (n=6)
tumor invasive margin
B cells
regulatory T cells
cytotoxic T cells
helper T cells
C
PFS on ipilimumab
Pt#
TMB primary
LDH
M stage
benefit
no benefit
high TMB
normal LDH
low M stage
lymphocytes primary tumor region
lymphocytes primary invasive margin
lymphocytes primary tumor + invasive margin
low TMB
elevated LDH
high M stage
helper T cells
cytotoxic T cells
regulatory T cells
B cells
D
PFS on ipilimumab
Pt#
TMB metastasis
LDH
M stage
benefit
no benefit
high TMB
normal LDH
low M stage
lymphocytes metastasis tumor region
lymphocytes metastasis invasive margin
lymphocytes metastasis tumor + invasive margin
low TMB
elevated LDH
high M stage
helper T cells
cytotoxic T cells
regulatory T cells
B cells