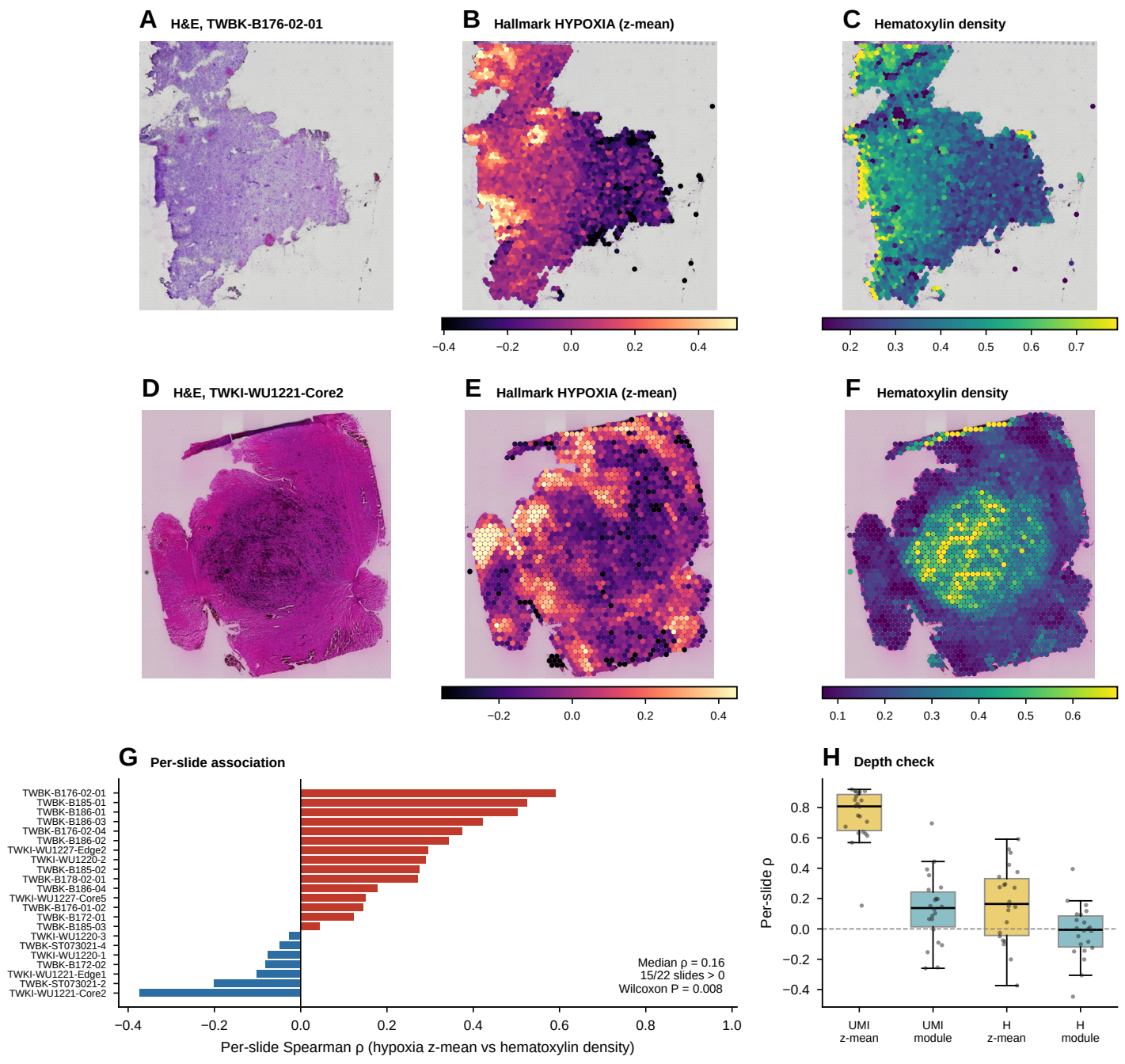

A
H&E, TWBK-B176-02-01
B
Hallmark HYPOXIA (z-mean)
−0.4
−0.2
0.0
0.2
0.4
C
Hematoxylin density
0.2
0.3
0.4
0.5
0.6
0.7
D
H&E, TWKI-WU1221-Core2
E
Hallmark HYPOXIA (z-mean)
−0.2
0.0
0.2
0.4
F
Hematoxylin density
0.1
0.2
0.3
0.4
0.5
0.6
G
Per-slide association
TWBK-B176-02-01
TWBK-B185-01
TWBK-B186-01
TWBK-B186-03
TWBK-B176-02-04
TWBK-B186-02
TWKI-WU1227-Edge2
TWKI-WU1220-2
TWBK-B185-02
TWBK-B178-02-01
TWBK-B186-04
TWKI-WU1227-Core5
TWBK-B176-01-02
TWBK-B172-01
TWBK-B185-03
TWKI-WU1220-3
TWBK-ST073021-4
TWKI-WU1220-1
TWBK-B172-02
TWKI-WU1221-Edge1
TWBK-ST073021-2
TWKI-WU1221-Core2
Median ρ = 0.16
15/22 slides > 0
Wilcoxon P = 0.008
−0.4
−0.2
0.0
0.2
0.4
0.6
0.8
1.0
Per-slide Spearman ρ (hypoxia z-mean vs hematoxylin density)
H
Depth check
Per-slide ρ
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
UMI z-mean
UMI module
H z-mean
H module