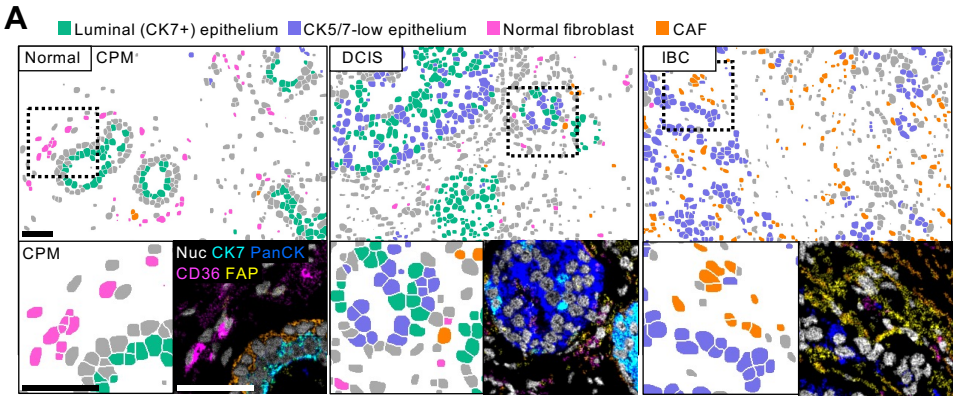
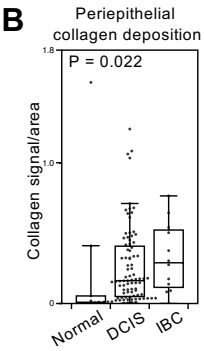
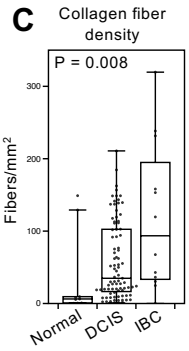
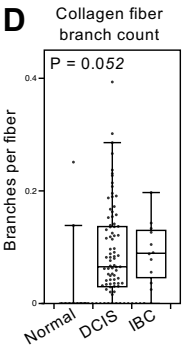
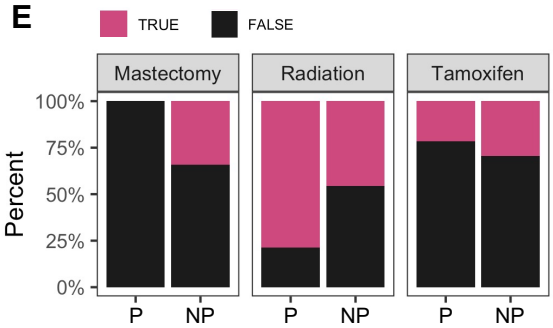
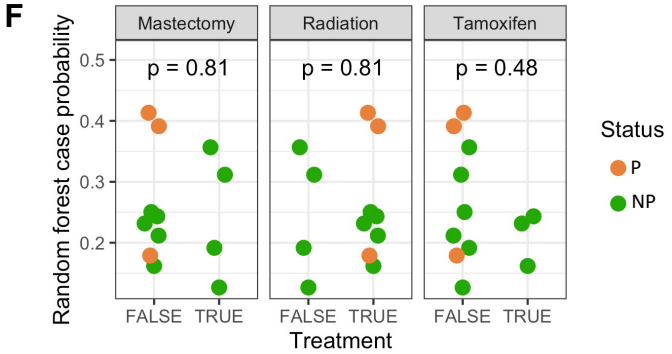

A
Luminal (CK7+) epithelium
CK5/7-low epithelium
Normal fibroblast
CAF
Normal
CPM
DCIS
IBC
CPM
Nuc CK7 PanCK
CD36 FAP

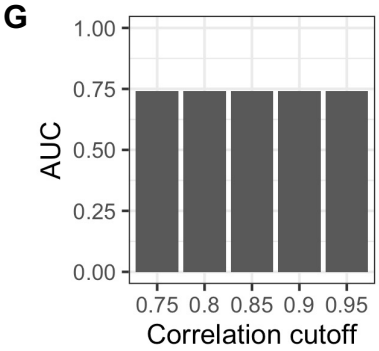

B
Periepithelial collagen deposition
P = 0.022
Collagen signal/area
Normal
DCIS
IBC

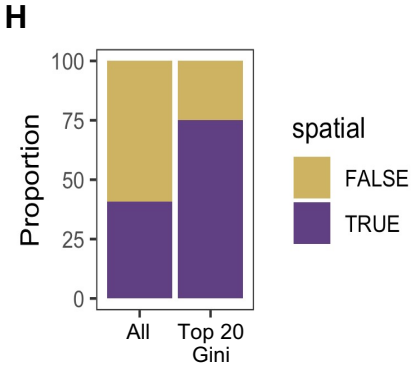

C
Collagen fiber density
P = 0.008
Fibers/mm2
Normal
DCIS
IBC

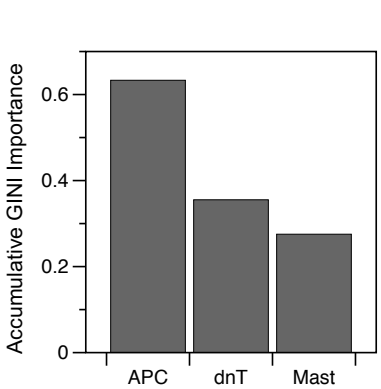

D
Collagen fiber branch count
P = 0.052
Branches per fiber
Normal
DCIS
IBC


E
TRUE
FALSE
Mastectomy
Radiation
Tamoxifen
Percent
100%
75%
50%
25%
0%
P
NP


F
Mastectomy
Radiation
Tamoxifen
p = 0.81
p = 0.81
p = 0.48
Random forest case probability
FALSE
TRUE
Treatment
Status
P
NP


G
AUC
1.00
0.75
0.50
0.25
0.00
0.75
0.8
0.85
0.9
0.95
Correlation cutoff


H
Proportion
100
75
50
25
0
All
Top 20 Gini
spatial
FALSE
TRUE


I
Accumulative GINI Importance
0.6
0.4
0.2
0
APC
dnT
Mast