Cell-Level Count & Density HIF **Cluster HIFs Proportion and Proximity HIFs** (i) Density of Lymphocytes Within 80 µm of Cancer ESI (iii) Mean Cluster Size of Fibroblasts in CAS (v) Density of Lymphocytes / Cancer Cells in Cancer Tissue 16.52 6328.95 Lymphocytes / mm2 ESI ° 0.01 15.14 Lymphocytes / mm2 ESI 4.55 Fibroblasts / Cluster (iv) Mean Cluster Extent of Macrophages Within 80 μm of Cancer ESI (vi) Count of Cancer Cells Within 80 µm of Fibroblasts / Cancer Cells in CAS (ii) Density of Plasma Cells in Cancer Tissue 00 2000 1500 1081.58 Plasma Cells / mm² Tumo 166.37 Microns 0.50 200 8.48 Plasma Cells / mm2 Tumor 22.05 Microns 0.11 Tissue-Level Area & Multiplicity HIFs **Texture HIFs** Morphological HIFs (v) Area of Necrotic Tissue (vii) Average Solidity of Significant Regions of CET (ix) Perimeter²/ Area of Significant Regions of Necrosis 5 10. 10,2 103 2.58E-3 mm² 69.34 (vi) Number of Significant Regions of CET (viii) Fractal Dimension of CAS (x) Eccentricity of Largest Region of Necrosis 0 102 101.5 0.50

10 0. 1005