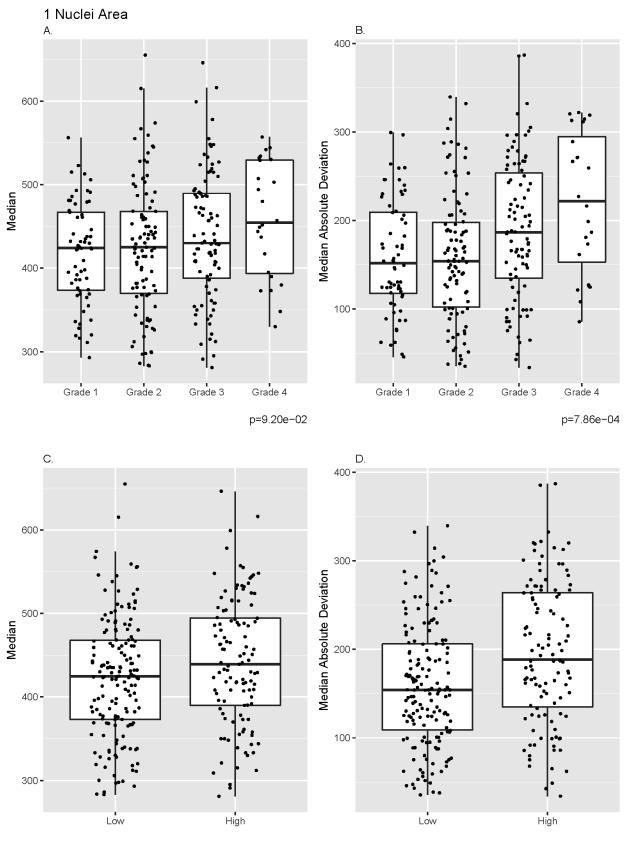
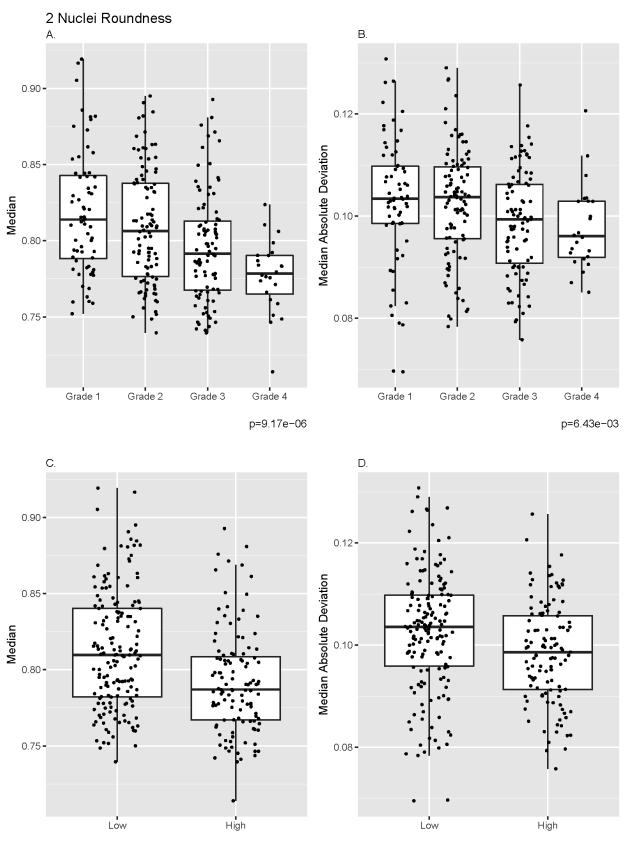
S2 Fig. These plots contain the 277 cases that were concordant between TCGA and

Pathologist 1 using the 2-tiered grading system. Nine morphological features (1: Area, 2: Roundness, 3: Elongation, 4: Flatness, 5: Perimeter, 6: Equivalent Spherical Perimeter, 7: Equivalent Spherical Radius, 8: Minor Axis of the Ellipse Fit, and 9: Nuclei Major Axis of the Ellipse Fit) were plotted with their median and median absolute deviation values. Each feature and measure was stratified either by the 4-tiered (A and B) or 2-tiered (C and D) grades assigned by Pathologist 1, respectively.



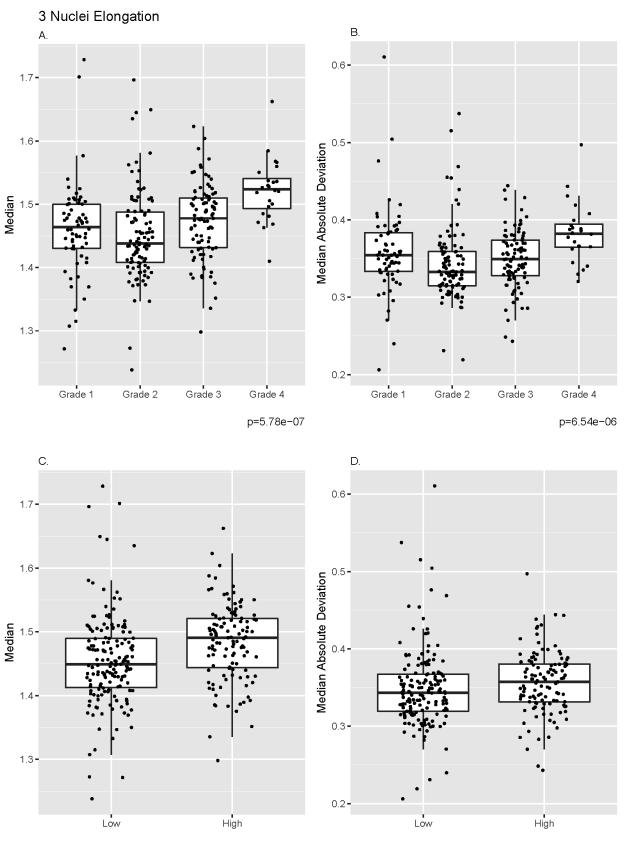
p=3.36e-02

p=1.69e-04



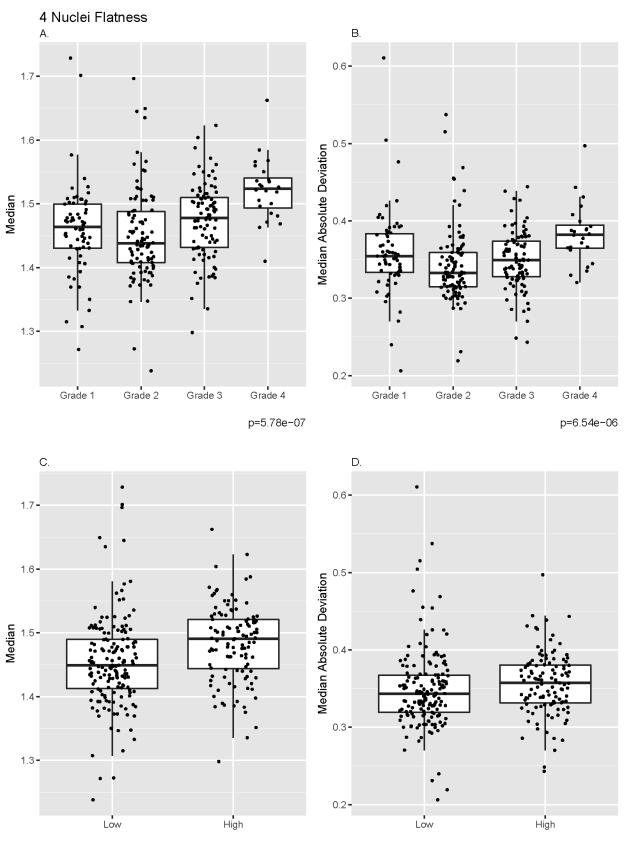
p=1.18e-05

p=6.63e-04



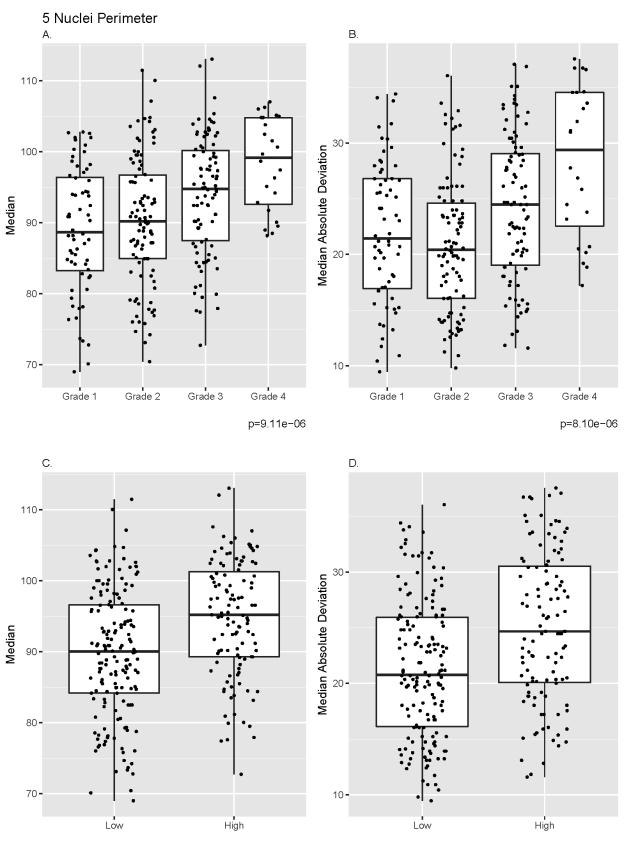
p=1.30e-05

p=1.05e-02



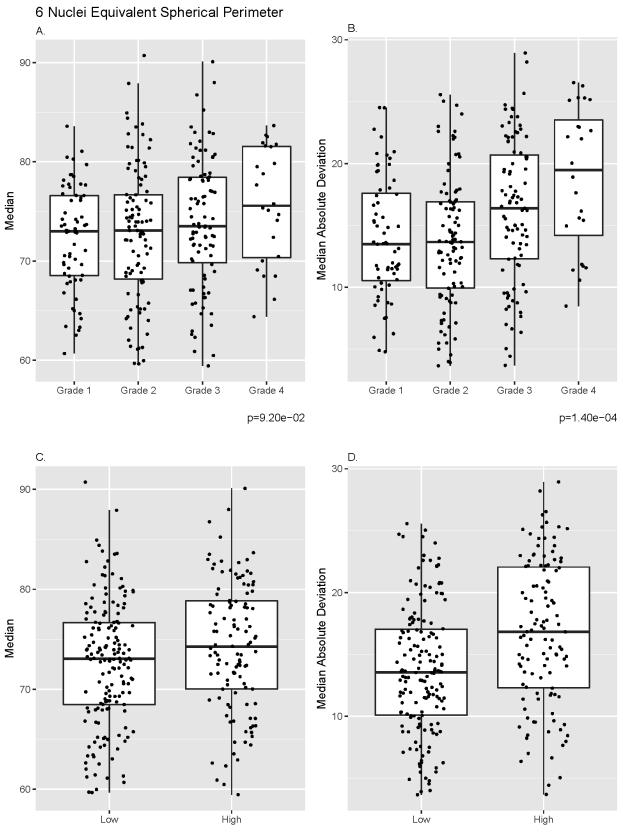
p=1.30e-05

p=1.05e-02



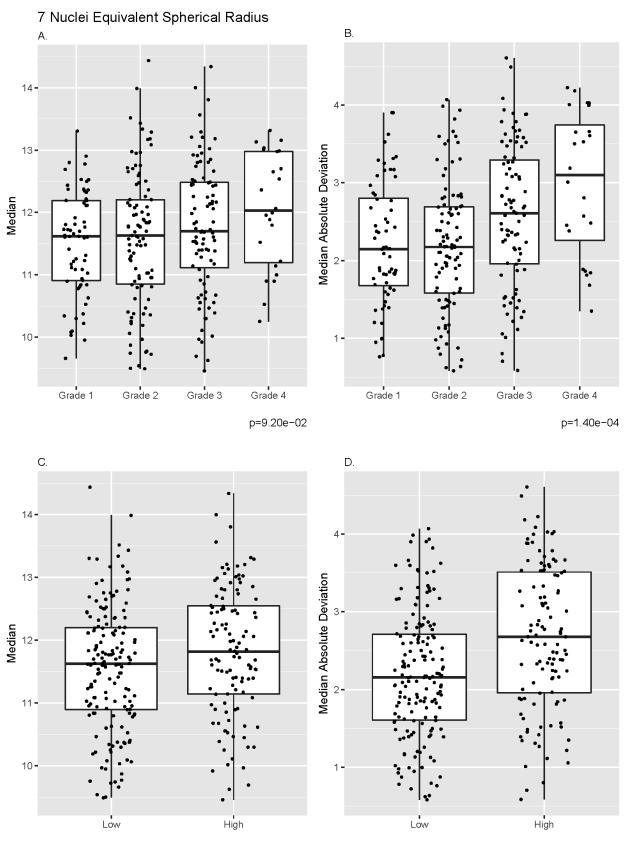
p=6.31e-06

p=1.08e-05



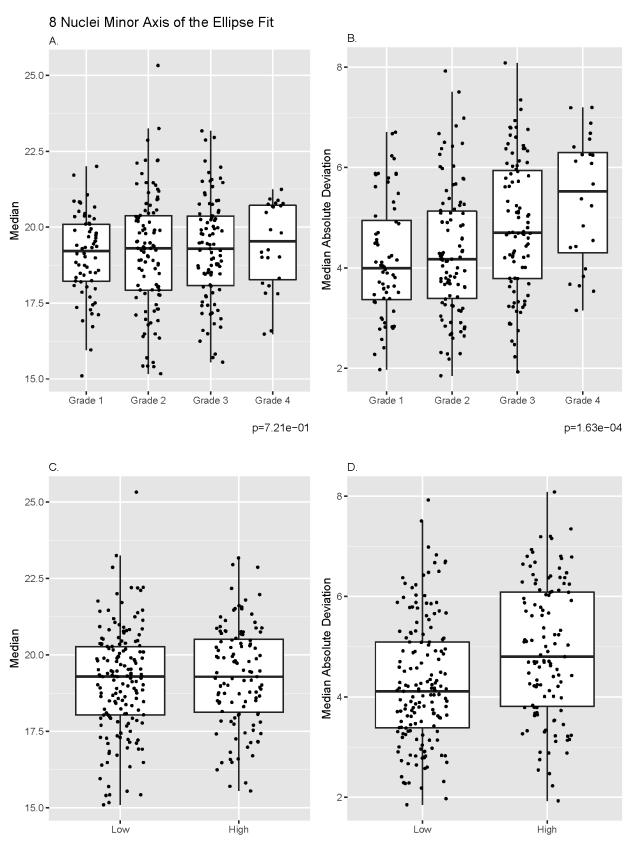
p=3.36e-02

p=2.92e-05



p=3.36e-02

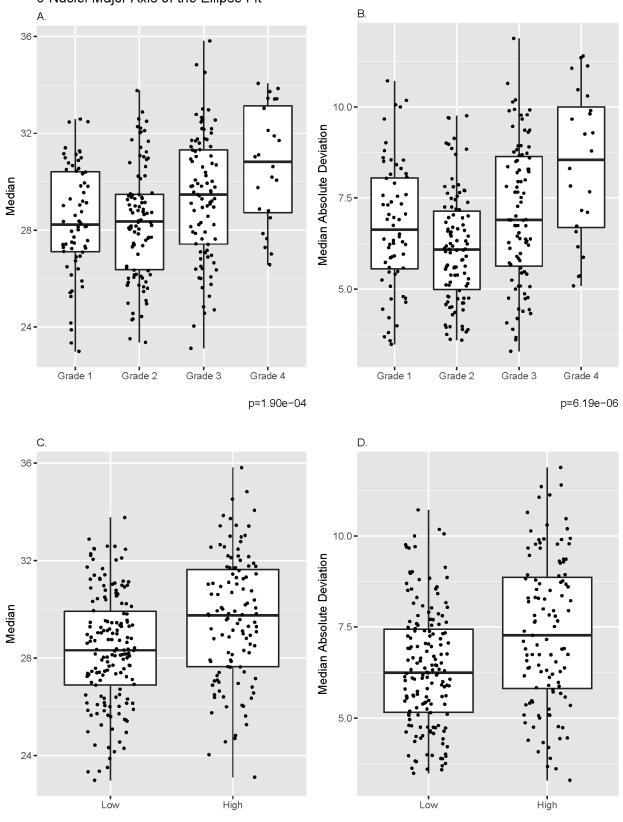
p=2.92e-05



p=3.87e-01

p=3.62e-05

9 Nuclei Major Axis of the Ellipse Fit



p=8.04e-05

p=5.03e-05