Supplementary Materials

Multi-Scale Digital Pathology Patch Level Prostate Cancer Grading Using Deep Learning: Use Case Evaluation of DiagSet Dataset

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**Resnet34 on all magnifications:**

A close-up of a graph

Description automatically generated

**Figure S1.** Training Loss (**a**) and Training Accuracy (**b**) for Resnet34 on 5× magnification. A comparison of a graph

Description automatically generated with medium confidence

**Figure S2.** Training Loss (**a**) and Training Accuracy (**b**) for Resnet34 on 10× magnification.

A comparison of a graph

Description automatically generated with medium confidence

**Figure S3.** Training Loss (**a**) and Training Accuracy (**b**) for Resnet34 on 40× magnification.

**Resnet18 on all magnifications:**

A comparison of a graph

Description automatically generated

**Figure S4.** Training Loss (**a**) and Training Accuracy (**b**) for Resnet18 on 5× magnification.

A graph of different colored lines

Description automatically generated

**Figure S5.** Training Loss (**a**) and Training Accuracy (**b**) for Resnet18 on 10× magnification.

A graph of different colored lines

Description automatically generated with medium confidence

**Figure S6.** Training Loss (**a**) and Training Accuracy (**b**) for Resnet18 on 20× magnification.

A graph of a function

Description automatically generated with medium confidence

**Figure S7.** Training Loss (**a**) and Training Accuracy (**b**) for Resnet18 on 40× magnificatin.

**Resnet50 Training Loss and Accuracy across all magnifications:**

A comparison of a graph

Description automatically generated

**Figure S8.** Training Loss (**a**) and Training Accuracy (**b**) for Resnet50 on 5× magnification.

A graph of different colored lines

Description automatically generated

**Figure S9.** Training Loss (**a**) and Training Accuracy (**b**) for Resnet50 on 10× magnification.

A graph of different colored lines

Description automatically generated

**Figure S10.** Training Loss (**a**) and Training Accuracy (**b**) for Resnet50 on 20× magnification.

A close-up of a graph

Description automatically generated

**Figure S11.** Training Loss (**a**) and Training Accuracy (**b**) for Resnet50 on 40× magnification.