

# Supplementary Materials: Predicting Lymph Node Metastasis Status from Primary Muscle-Invasive Bladder Cancer Histology Slides Using Deep Learning: A Retrospective Multicenter Study

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Table S1. Dataset distribution of patients and corresponding images in the predictor (SBLNP).

|             | Patients | Total Images | Positive LNM Images | Negative LNM Images |
|-------------|----------|--------------|---------------------|---------------------|
| TCGA Cohort | 323      | 358          | 116                 | 207                 |
| RHWU Cohort | 139      | 417          | 111                 | 306                 |
| PHHC Cohort | 78       | 230          | 79                  | 151                 |

Table S2. Dataset distribution of images in the training, internal validation, and external validation sets.

|       | TCGA Cohort  |                         | RHWU Cohort             | PHHC Cohort             |
|-------|--------------|-------------------------|-------------------------|-------------------------|
|       | Training set | Internal validation set | External validation set | External validation set |
| SBLNP | 286          | 72                      | 417                     | 230                     |