**Supporting Table 1.** **Characteristics of the Training Set and Test Set**

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|  | **Training set** **(N = 584)****% (n)** | **Test set** **(N = 585)****% (n)** | ***P*-value**\* |
| Age (mean±SD) | 52.6 ± 10.7 | 52.9 ± 11.1 | 0.874 |
| Sex (male:female) | 322 : 262 | 312 : 273 | 0.536 |
| Tumor locationUpperMiddleLower | 9.4 (55)43.7 (255)46.9 (274) | 9.1 (53)45.0 (263)46.0 (269) | 0.902 |
| Macroscopic typeElevated FlatDepressedMixed | 1.5 (9)16.6 (97)54.1 (316)27.7 (162) | 2.6 (15)21.2 (124)51.6 (302)24.6 (144) | 0.104 |
| Ulcer No  YesTumor size | 93.8 (548)6.2 (36)2.9 ± 2.1 | 95.0 (556)5.0 (29)3.1 ± 2.0 | 0.3680.036 |
| Depth of invasionLamina propriaMuscularis mucosa | 33.2 (194)66.8 (390) | 34.4 (201)65.6 (384) | 0.680 |
| Number of resected nodes(mean±SD) | 39.7 ± 13.3 | 41.2 ± 14.1 | 0.229 |
| LVINoYes | 96.4 (563)3.6 (21) | 97.3 (569)2.7 (16) | 0.401 |

\*By logistic regression analysis.

LNM indicates lymph node metastasis; SD, standard deviation; LVI, lymphatic-vascular involvement.