**Supplementary Table 5.** Correlations between mast cell number and clinic pathological features of patients with gastric cancer

|  |  |  |
| --- | --- | --- |
| Variables | Mast cell numbera | *P*-value |
|  | Low | High |  |
| Gender |  |  |  |
| Male | 45 | 45 |  |
| Female | 12 | 12 | 1.000 |
| Age (years) |  |  |  |
| < 55 | 31 | 28 |  |
| ≥ 55 | 26 | 29 | 0.574 |
| *H.pylori* Ab |  |  |  |
| Negative | 14 | 24 |  |
| Positive | 33 | 43 | 0.501 |
| CEA (U/L) |  |  |  |
| < 5 | 49 | 46 |  |
| ≥ 5 | 8 | 11 | 0.451 |
| Tumor size (cm) |  |  |  |
| < 5 | 43 | 22 |  |
| ≥ 5 | 15 | 34 | <0.001 |
| Lymphatic invasion |  |  |  |
| Absent | 26 | 14 |  |
| Present | 31 | 43 | 0.019 |
| Vascular invasion |  |  |  |
| Absent | 51 | 50 |  |
| Present | 6 | 7 | 0.768 |
| Tumor (T) invasion |  |  |  |
| T1+T2 | 27 | 7 |  |
| T3+T4 | 30 | 50 | <0.001 |
| Lymphoid Nodal (N) status |  |  |  |
| N0+N1 | 25 | 27 |  |
| N2+N3 | 30 | 32 | 0.974 |
| Distant metastasis (M) status |  |  |  |
| M0 | 53 | 54 |  |
| M1 | 4 | 3 | 0.696 |
| TNM stage |  |  |  |
| I+II | 37 | 11 |  |
| III+IV | 20 | 46 | <0.001 |

aMast cell number was acquired by counting CD45+CD117+FcεRI+ cells per million cells of tumor tissues. CEA, carcinoembryonic antigen; *H.pylori* Ab, *Helicobacter pylori* antibody.