**Additional file 2** Correlations between FAP staining and clinicopathology of gastric cancer

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | No. of cases | FAP expression | *P*-value |
|  |  | High | Low |  |
| Gender | 95 |  |  |  |
|  Female | 17 | 9 (52.9%) | 8 (47.1%) | 0.449 |
|  Male | 78 | 49 (62.8%) | 29 (37.2%) |  |
| Age | 95 |  |  |  |
|  ＜70 | 65 | 40 (61.5%) | 25 (38.5%) | 0.886 |
|  ≥70 | 30 | 18 (60.0%) | 12 (40.0%) |  |
| Histological type | 95 |  |  |  |
|  Adenocarcinoma | 73 | 43 (58.9%) | 30 (41.1%) | 0.434 |
|  Other type | 22 | 15 (68.2%) | 7 (31.8%) |  |
| Grade | 88 |  |  |  |
|  Well differentiated | 12 | 8 (66.7%) | 4 (33.3%) | 0.402 |
|  Moderately differentiated | 34 | 21 (61.8%) | 13 (38.2%) |  |
|  Poorly differentiated | 42 | 23 (54.8%) | 19 (45.2%) |  |
| Tumor location | 95 |  |  |  |
|  Fundus-cardia | 21 | 13 (61.9%) | 8 (38.1%) | 0.849 |
|  Body | 26 | 14 (53.8%) | 12 (46.2%) |  |
|  Antrum | 40 | 26 (65.0%) | 14 (35.0%) |  |
|  Diffused | 8 | 5 (62.5%) | 3 (37.5%) |  |
| Degree of invasion | 95 |  |  |  |
|  T1 | 3 | 2 (66.7%) | 1 (33.3%) | 0.457 |
|  T2 | 18 | 10 (55.6%) | 8 (44.4%) |  |
|  T3 | 46 | 32 (69.6%) | 14 (30.4%) |  |
|  T4 | 28 | 14 (50.0%) | 14 (50.0%) |  |
| Lymph node metastasis | 95 |  |  |  |
|  0 | 20 | 14 (70%) | 6 (30%) | 0.848 |
|  1-2 | 14 | 5 (35.7%) | 9 (64.3%) |  |
|  3-6 | 26 | 17 (65.3%) | 9 (34.7%) |  |
|  7 or more | 35 | 22 (62.9%) | 13 (37.1%) |  |
| Cancer embolus | 95 |  |  |  |
|  Yes | 42 | 27 (64.3%) | 15 (35.7%) | 0.565 |
|  No | 53 | 31 (58.5%) | 22 (41.5%) |  |
| Stage | 95 |  |  |  |
|  I-II | 34 | 21 (61.8%) | 13 (38.2%) | 0.915 |
|  III | 61 | 37 (60.7%) | 24 (39.3%) |  |