

Table SI. Univariate and multivariate analyses (disease-specific survival) for prognostic factors in pancreatic cancer.

| Characteristic                  | Total, n | Univariate analysis   |         | Multivariate analysis |         |
|---------------------------------|----------|-----------------------|---------|-----------------------|---------|
|                                 |          | Hazard ratio (95% CI) | P-value | Hazard ratio (95% CI) | P-value |
| Sex                             | 171      |                       |         |                       |         |
| Female                          | 76       | -                     |         |                       |         |
| Male                            | 95       | 0.762 (0.480-1.211)   | 0.251   |                       |         |
| Age, years                      | 171      |                       |         |                       |         |
| ≤65                             | 92       | -                     |         |                       |         |
| >65                             | 79       | 1.087 (0.682-1.732)   | 0.727   |                       |         |
| T stage                         | 169      |                       |         |                       |         |
| T1+T2                           | 30       | -                     |         |                       |         |
| T3+T4                           | 139      | 3.149 (1.359-7.298)   | 0.007   | 2.013 (0.852-4.756)   | 0.111   |
| N stage                         | 166      |                       |         |                       |         |
| N0                              | 47       | -                     |         |                       |         |
| N1                              | 119      | 2.683 (1.439-5.003)   | 0.002   | 2.065 (1.090-3.912)   | 0.026   |
| M stage                         | 80       |                       |         |                       |         |
| M0                              | 76       | -                     |         |                       |         |
| M1                              | 4        | 1.223 (0.290-5.162)   | 0.784   |                       |         |
| Pathologic stage                | 168      |                       |         |                       |         |
| Stage I+II                      | 161      | -                     |         |                       |         |
| Stage III+IV                    | 7        | 0.964 (0.302-3.076)   | 0.951   |                       |         |
| Histologic grade                | 169      |                       |         |                       |         |
| G1+G2                           | 121      | -                     |         |                       |         |
| G3+G4                           | 48       | 1.598 (0.983-2.599)   | 0.059   | 1.351 (0.827-2.207)   | 0.230   |
| History of chronic pancreatitis | 135      |                       |         |                       |         |
| No                              | 124      | -                     |         |                       |         |
| Yes                             | 11       | 0.888 (0.354-2.232)   | 0.801   |                       |         |
| History of diabetes             | 140      |                       |         |                       |         |
| No                              | 105      | -                     |         |                       |         |
| Yes                             | 35       | 0.820 (0.425-1.581)   | 0.553   |                       |         |
| COL7A1                          | 171      |                       |         |                       |         |
| Low                             | 86       | -                     |         |                       |         |
| High                            | 85       | 2.013 (1.251-3.239)   | 0.004   | 1.671 (1.036-2.695)   | 0.035   |

COL7A1, type VII collagen  $\alpha 1$  chain.

The total patient number does not consistent for all variables owing to a lack of patient information in some cases.

Table SII. Univariate and multivariate analyses (progression-free interval) for prognostic factors in pancreatic cancer.

| Characteristic                  | Total, n | Univariate analysis   |         | Multivariate analysis |         |
|---------------------------------|----------|-----------------------|---------|-----------------------|---------|
|                                 |          | Hazard ratio (95% CI) | P-value | Hazard ratio (95% CI) | P-value |
| Sex                             | 177      |                       |         |                       |         |
| Female                          | 80       | -                     |         |                       |         |
| Male                            | 97       | 0.966 (0.656-1.424)   | 0.863   |                       |         |
| Age, years                      | 177      |                       |         |                       |         |
| ≤65                             | 93       | -                     |         |                       |         |
| >65                             | 84       | 1.251 (0.842-1.857)   | 0.268   |                       |         |
| T stage                         | 175      |                       |         |                       |         |
| T1+T2                           | 31       | -                     |         |                       |         |
| T3+T4                           | 144      | 2.403 (1.303-4.432)   | 0.005   | 1.671 (0.895-3.120)   | 0.107   |
| N stage                         | 172      |                       |         |                       |         |
| N0                              | 49       | -                     |         |                       |         |
| N1                              | 123      | 1.756 (1.119-2.756)   | 0.014   | 1.363 (0.858-2.164)   | 0.189   |
| M stage                         | 83       |                       |         |                       |         |
| M0                              | 79       | -                     |         |                       |         |
| M1                              | 4        | 0.838 (0.260-2.703)   | 0.768   |                       |         |
| Pathologic stage                | 174      |                       |         |                       |         |
| Stage I+II                      | 167      | -                     |         |                       |         |
| Stage III+IV                    | 7        | 1.110 (0.450-2.737)   | 0.820   |                       |         |
| Histologic grade                | 175      |                       |         |                       |         |
| G1+G2                           | 125      | -                     |         |                       |         |
| G3+G4                           | 50       | 1.685 (1.114-2.550)   | 0.014   | 1.422 (0.938-2.155)   | 0.097   |
| History of chronic pancreatitis | 141      |                       |         |                       |         |
| No                              | 128      | -                     |         |                       |         |
| Yes                             | 13       | 0.885 (0.426-1.840)   | 0.744   |                       |         |
| History of diabetes             | 146      |                       |         |                       |         |
| No                              | 108      | -                     |         |                       |         |
| Yes                             | 38       | 0.783 (0.460-1.333)   | 0.368   |                       |         |
| COL7A1                          | 177      |                       |         |                       |         |
| Low                             | 89       | -                     |         |                       |         |
| High                            | 88       | 1.767 (1.192-2.620)   | 0.005   | 1.545 (1.041-2.293)   | 0.031   |

COL7A1, type VII collagen  $\alpha 1$  chain.

The total patient number does not consistent for all variables owing to a lack of patient information in some cases.