**Supplementary Table 1. Characteristic of the recurrent patient in the stage I gastric cancer patients**

| Characteristic                  | Case 1                        | Case 2                        | Case 3                        |
|--------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Age, yr                        | 56                            | 56                            | 69                            |
| Sex                            | Male                          | Male                          | Male                          |
| Body mass index, kg/m²         | 26.5                          | 23.8                          | 23.8                          |
| Current smoking                | Non-smoker                    | Smoker                        | Non-smoker                    |
| Alcohol drinking               | Social drinking               | None                          | None                          |
| CEA                            | 1.15                          | 1.55                          | 9.66                          |
| CA19-9                         | 0                             | 197.2                         | 14.3                          |
| Depth                          | SM3                           | SM                            | SM1                           |
| Tumor size, cm                 | 6                             | 4.5                           | 1.5                           |
| Lymphatic invasion             | Positive                      | Positive                      | Negative                      |
| Vascular invasion              | Positive                      | Positive                      | Negative                      |
| Stage, 7th AJCC                | IB                            | IB                            | IA                            |
| Location                       | Low 1/3                       | Low 1/3                       | Low 1/3                       |
| Histologic subtype             | Tubular adenocarcinoma,      | Tubular adenocarcinoma,      | Tubular adenocarcinoma,      |
|                                | moderately differentiated     | poorly differentiated        | well differentiated            |
| p53                            | Positive                      | Positive                      | Positive                      |
| EGFR                           | Negative                      | Positive                      | Positive                      |
| HER-2                          | Positive                      | 0                             | Positive                      |
| E-cadherin                     | Positive                      | Positive                      | Positive                      |
| Ki67 level                     | 90                            | 90                            | 60                            |
| Surgical treatment             | Distal subtotal gastrectomy  | Distal subtotal gastrectomy  | Distal subtotal gastrectomy  |

CEA, carcinoembryonic antigen; CA19-9, carbohydrate antigen 19-9; SM, submucosa; AJCC, American Joint Committee on Cancer; EGFR, epidermal growth factor receptor; HER-2, human epidermal growth factor receptor 2.