### S3 Table. Prognostic factor analysis for recurrence-free survival

| Variables (reference)                         | Univariate analysis | Multivariate analysis |
|-----------------------------------------------|---------------------|----------------------|
|                                               | HR                  | 95% CI               | p-value | HR               | 95% CI | p-value |
| Treatment (RFA)                               | 1.422               | 0.988-2.046          | 0.06    | -                | -      | -       |
| Male sex                                      | 1.015               | 0.725-1.419          | 0.93    | -                | -      | -       |
| Age (≤ 70 yr)                                 | 1.000               | 0.684-1.463          | > 0.99  | -                | -      | -       |
| CEA (< 6 ng/mL)                               | 1.385               | 0.984-1.950          | 0.06    | -                | -      | -       |
| Pre-treatment systemic therapy (no)³         | 2.158               | 1.419-3.281          | < 0.001 | 1.944            | 1.265-2.988 | 0.002 |
| Post-treatment systemic therapy (no)³       | 2.183               | 1.478-3.226          | < 0.001 | 2.059            | 1.374-3.085 | <0.001 |
| Primary cancer AJCC stage (≤ II)             | 2.432               | 1.587-3.726          | < 0.001 | 1.873            | 1.213-2.891 | 0.004 |
| Primary cancer location (colon) ²           | 1.078               | 0.795-1.463          | 0.63    | -                | -      | -       |
| Liver tumor size (≤ 2 cm)                    | 1.878               | 1.375-2.566          | < 0.001 | -                | -      | -       |
| No. of liver metastasis (1)                  | 1.306               | 0.956-1.700          | 0.09    | -                | -      | -       |

AJCC, American Joint Committee on Cancer; CEA, carcinoembryonic antigen; CI, confidence interval; HR, hazard ratio; RFA, radiofrequency ablation. ³Compared with those who were treated with systemic therapy, ²Colon compared with rectum.