

Supplementary Table 3 – Multivariate Cox analysis for disease-free survival (DFS) in patients with residual disease (RD) after surgery

Multivariate logistic regression model for disease-free survival (DFS) in patients with residual disease (RD) after surgery including RCB and RD-TILs.

Abbreviations: RCB, residual cancer burden; RD-TILs tumor infiltrating lymphocytes on residual disease; HR, hazard ratio; CI, confidence interval.

Factors	HR (95%CI)	P
RCB, cont.	2.78 (2.02-3.83)	<0.001
RD-TILs (high vs low)*	2.72 (1.23-5.99)	0.013

*Twenty% of RD-TILs was identified as the optimal prognostic cutoff for DFS.

Combined score RCB+TILs: association with disease-free survival (DFS)

We calculated the combined score of RCB+TIL from the estimated coefficient of RD-TILs (dichotomous, high vs. low) and the RCB index (continuous) in a bivariate logistic model for DFS: TILs (0=low/1=high) \times 1.001 + RCB (index) \times 1.024. RCB+TIL score was significantly associated with DFS (HR 2.72, 95% CI 2.00-3.70, $p < 0.001$), with a decreasing probability of DFS with increasing RCB-TIL levels.