

Supplementary Table 3. Multivariable Cox proportional hazards model for patients under systemic treatment with positive ctDNA with loss of 16q

Variables	Hazard ratio	95% Confidence interval	P-value
16q loss	5.29	1.24–22.50	0.024*
AFP \geq 20 ng/mL	0.39	0.06–2.47	0.319
Macrovascular invasion	1.31	0.32–5.33	0.705
Tumor size \geq 5 cm	2.30	0.49–10.84	0.291
Extrahepatic spread	0.43	0.07–2.49	0.347

*Statistical significance, $P < 0.05$.