

**S4 Table.** Sensitivity analysis for external validation, omitting clinical variables and molecular markers

Clinical and histological markers	MoMaTEC		PIPENDO
	LNM	5-year DSS	5-year DSS
AUC (95%-CI)	0.77 (0.70 – 0.85)	0.76 (0.69 – 0.83)	0.82 (0.76 – 0.88)
Brier score	0.10	0.12	0.10
Predicted <i>N</i> of events	51.6	411.4	344.7
Observed <i>N</i> of events	52	380	350.5
Predicted/observed ratio (95%-CI)	0.99	1.08	0.98

  

Molecular and histological markers	MoMaTEC		PIPENDO
	LNM	5-year DSS	5-year DSS
AUC (95%-CI)	0.66 (0.57 – 0.74)	0.76 (0.70 -0.82)	0.79 (0.73 – 0.86)
Brier score	0.10	0.12	0.11
Predicted <i>N</i> of events	43.3	410.9	350.5
Observed <i>N</i> of events	52	380	330
Predicted/observed ratio (95%-CI)	0.83	1.08	1.06