



Supplementary Figure S1. Cox proportional hazard (PH) test was conducted before constructing the nomogram. (A-D) Schoenfeld's test showed that age, grade, IDH mutation status, and 1p/19q codeletion met the PH test. (E) Schoenfeld's test showed that the pyroptosis-related risk score met PH test ($p > 0.05$).

Table S1. Comparison of AUC values of different prognostic models based on TCGA-LGG data

Publication	Types of prognostic models	AUC values		
		1-year	3-year	5-year
Ours	Pyroptosis	0.867	0.848	0.750
Miao et al., 2022 [32]	Cuproptosis	0.787	0.824	0.760
Yan et al., 2022 [33]	Cuproptosis, LncRNA	0.841	0.839	0.768
Zhao et al., 2021 [34]	Ferroptosis	0.855	0.834	0.753
Huang et al., 2022 [35]	Ferroptosis, LncRNA	0.893	0.811	0.719