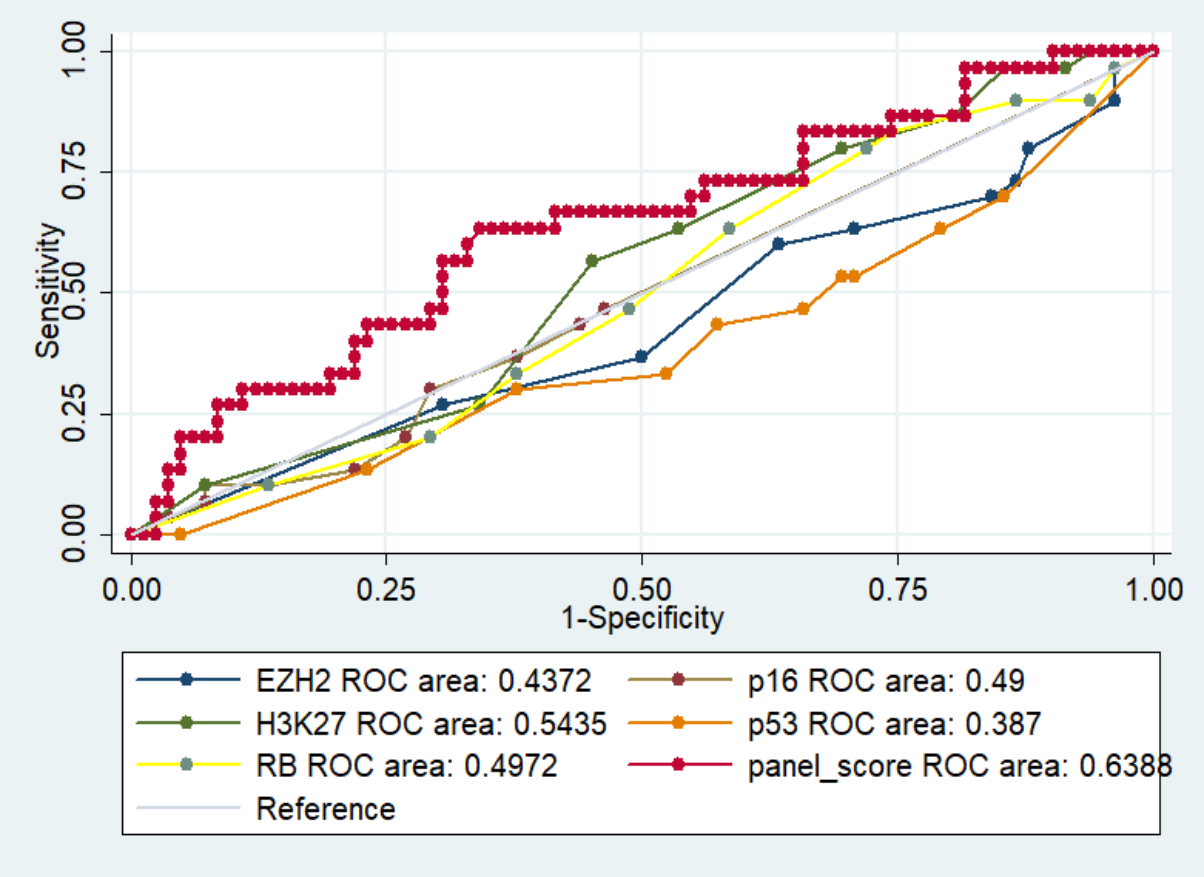


Supplementary Fig. S1. Receiver operating characteristic (ROC) curves comparing the prognostic performance of individual biomarkers (EZH2, H3K27me3, pRB, p16, and p53) and a composite panel score in diffuse large B-cell lymphoma. The area under the curve (AUC) values were 0.4372 for EZH2, 0.5435 for H3K27me3, 0.4972 for pRB, 0.4900 for p16, 0.3870 for p53, and 0.6388 for the multi-marker panel score. As these AUCs indicate performance at or below chance level for every individual marker, individual markers demonstrated poor discriminative ability (AUC, 0.39 to 0.54), while the integrated panel achieved better, though still clinically modest, performance (AUC, 0.64), short of the ≥0.7–0.75 range generally considered necessary for clinical utility. The diagonal reference line represents random classification.