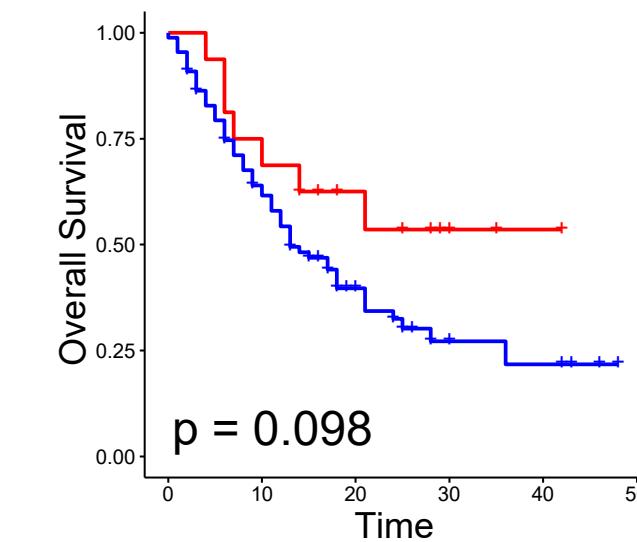
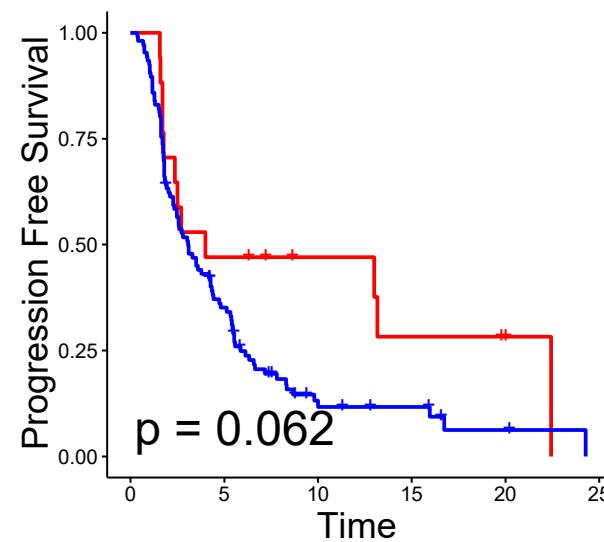


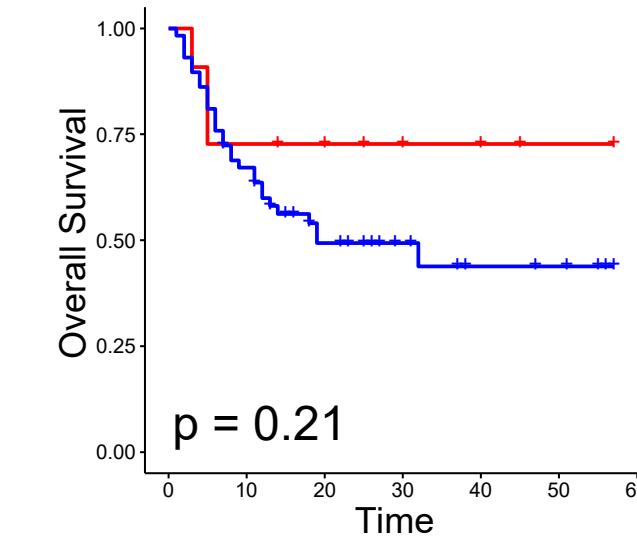
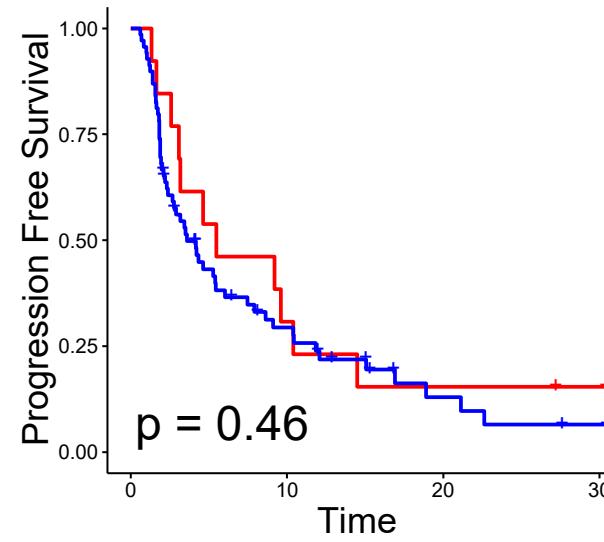
Fig.S8

**A Three-gene model (MLL3, SMAD4, HGF)**

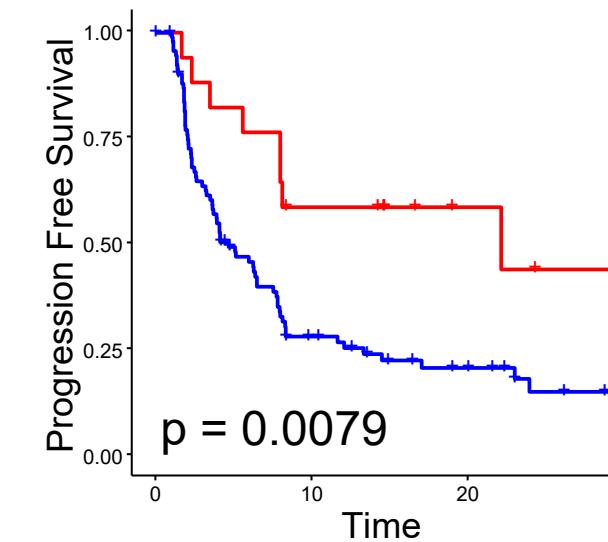
— Low — High



Training Cohort



Internal Validation Cohort



External Validation Cohort

**B Four-gene model (TP53, KRAS, EGFR, STK11)**

— Low — High

