Our nethylation On Adamage Figure S3 Mitagenic В Α kruskal-wallis 0.4 effect size 0.2 TF development-Fitness -8 ÷ 0.1 0.05 Splicing Dua methylation th developin C 0.8 Number of observations 2 >2 0.6 0.5 Fitness 0.4 0.3 0.2 0.1 DNMT3A TET2 All genes D LBC 1936 Estimated hazard ratio Survival stratification Estimated hazard ratio Survival stratification Growth speed Max VAF – – Mean – – Mean - -2 SD - -2 SD Hazard Ratio (95% CI) Hazard Ratio (95% CI) - 2 SD — 2 SD Survivors (proportion) Survivors (proportion) 0.8 0.8 Years 10 10 Growth speed Years Max VAF LBC 1921 Estimated hazard ratio Survival stratification Estimated hazard ratio Survival stratification Growth speed Max VAF – – Mean Mean - -2 SD - -2 SD Hazard Ratio (95% CI) Hazard Ratio (95% CI) — 2 SD 0.8 - 2 SD 0.8 Survivors (proportion) Survivors (proportion) 2 0.6 0.6 0.4 0.4 0.2 0.2 10 12 18 10 12 14 14

Max Vaf

Years

Growth speed

Years