${\sf Generation Mixture fewer signature spaired Obs NmPoisson SigPCAWGColoRect Adeno CAPCAWGColoRect ADENO CAP$ fullREDMSL fullREM 2.0 2.0 1.5 1.5 beta\_intercept\_est beta\_intercept\_est 1.0 1.0 0.5 0.5 0.0 0.0 -0.5 -0.50.2 -0.25 0.00 0.25 0.0 0.3 0.4 -0.10.1 beta\_est beta\_est  ${\sf diagREDM}$ diagREDMSL 2.0 2.0 1.5 1.5 beta\_intercept\_est beta\_intercept\_est 1.0 1.0 0.5 0.5 0.0 0.0 -0.5-0.50.2 0.3 0.2 -0.10.0 0.1 0.4 -0.10.0 0.1 0.3 0.4 beta\_est beta\_est