Boxplots of P(Z=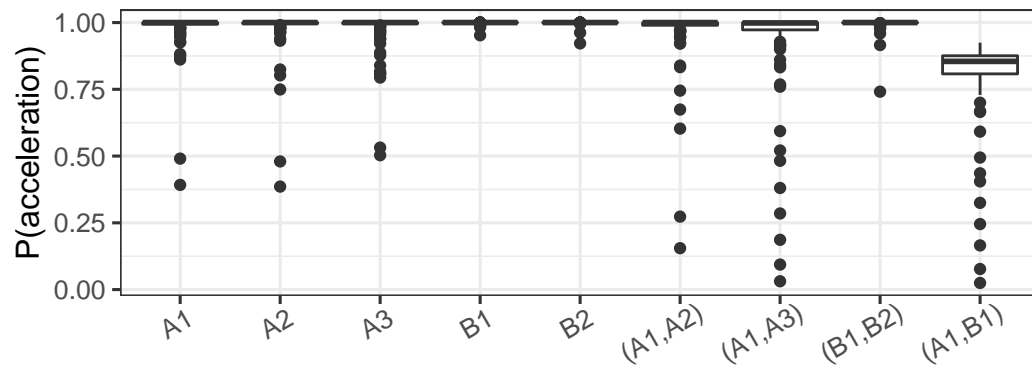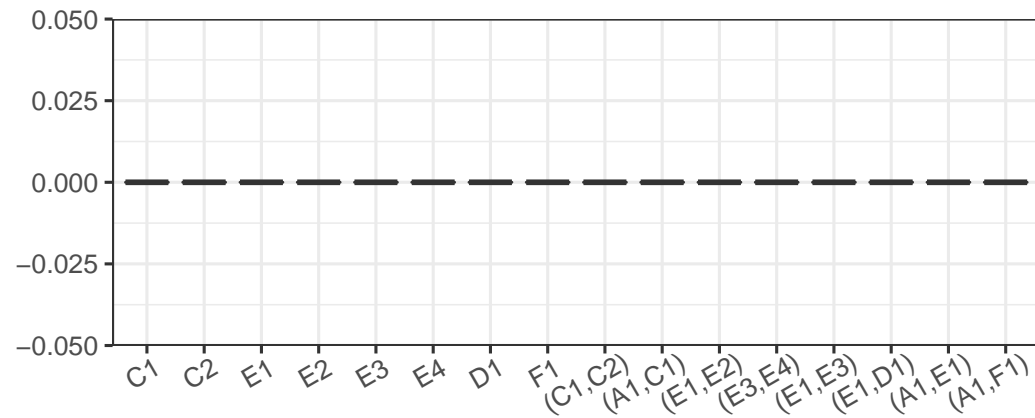2|Y) when each accelerated branch has unique rate generated from a 2−gamma mixture