Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:2, Mean Gap Size of 5 and Data Variance of 4 (No Outliers) 25.0 22.5 20.0 17.5 ARL₁ 15.0 12.5 WM (2:1:96, a:2, (0.1, 15)) WM (2:1.96, a:2, (0.1, 10)) CTM (2:1.96, a:2, (0.1, 10)) CTM (2:1.96, a:2, (0.1, 15)) SWM (Z:1,96,2:2,20) TM (Z:1.96,2:2,(0.1,20)) WM (2:1.96, a:2, (0.1, 20)) CTM (2:1.96, a:2, (0.1, 20)) WM (Z:1,96,8:2,(0.15, 15)) CTM (Z:1.98,2:2,10.15, 15)) WM (Z:1,96,8:2,(0.15,20)) CTM (Z:1.96,2:2,10.15,20)) WM (2:1.96, a:2, (0.2, 15)) SWM (Z:1,96,8:2,15) TM (Z:1.96, 2:2, (0.1, 15)) WM (Z:1,96,8:2,(0.15,10)) CTM (Z:1,96,2:2,(0.15,10)) WW (2:1.96,2:2,10.2,10)) CTM (Z:1.96,3:2,10,2,10)) SWM (Z:1.96,a:2,25) SWM (Z.1.96, a.2,30)

Model (Parameters)