Boxplot of *ARL*₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:3, Mean Gap Size of 5 (Outliers in out-of-control Period)

150 100 50 CTM (z.1.96, a.3, (0.1, 15)) SWM (z.1.96, a.3, 20) CTM (Z:1.96, 8:3, (0.1, 201) (Z:1.96, 2:3, 25) CTM (Z:1.96, a:3, (0.15, 10)) (Z:1.96, a:3,30) WM (2:1:96, 8:3, (0.1, 20)) WM (z:1.96, a:3, (0.1, 10)) WM (Z:1.96, a:3, (0.1, 15)) TM (Z:1,96,3:3,(0.1,20)) WM (Z:1.96, 2:3, (0.15, 20)) CTM (Z:1.96,3:3,(0.15,20)) TM (Z:1.96,2:3,(0.1, 15)) TM(Z:1.96,2:3,10.15,201) Model (Parameters)