Boxplot of *ARL*₁ for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:3, Mean Gap Size of 10 (Outliers in in-control Period)

 ARL_1

CTM (2:2.5759, a:3, (0.15, 10)) (2:2.5759, a:3,30) CTM (Z:2.5759,a:3,(0.15,20)) CTM (Z.2.5759, 2:3, (0.1, 10)) SWM (2.2.5759, a.3,15) TM (Z:2.5759,3:3,(0.1, 15)) WM (2:2.5759, a:3,(0.1, 15)) CTM (Z.2.5759, a.3, (0.1, 15)) SWM (22.5759, 2:3,20) TM (Z:2.5759,3:3,(0.1,20)) WM (2:2.5759, a:3,(0.1,20)) CTM (2:2:5759, a:3, (0.1, 20)) TM (2:2.5759, a:3, (0.15, 10)) WM (Z:2.5759, a:3,(0.15, 10)) CTM (2:2.5759, a:3, (0.15, 15)) WM (2:2.5759, a:3, (0.15, 20)) TM (2:2.5759,3:3,(0.2, 10)) WM (Z:2.5759, a:3,(0.2, 10)) CTM (Z:2.5759, a:3, (0.2, 10)) TM (Z:2.5759,3:3,(0.2, 15)) WM (2:25759, a:3,(0.2, 15)) TM (2:2:5759, a:3, (0:15, 20)) Model (Parameters)