Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:2.5, Mean Gap Size of 10 and Data Variance of 9 (No Outliers) WM (2:2.5759, a:2.5, (0.2, 20)) WM (2:2.5759, a:2.5, (0.1, 10)) CTM (Z:2.5759, a:2.5, (0.1, 10)) WM (2:25759, a:2.5, (0.1, 15)) CTM (Z:2.5759, a:2.5, (0.1, 15)) CTM (Z:2.5759, a:2.5, (0.1, 20)) CTM (2:2.5759, a:2.5, (0.15, 10)) CTM (2:25759, a:25, (0.15, 15)) WM (2:2.5759, a:2.5, (0.15, 20)) CTM (2:2.5759, a:2.5, (0.15, 20)) WM (2:25759, a:2.5, (0.2, 15)) CTM (Z:2.5759, a:2.5, (0.2, 15)) SWM (2:2.5759, a:2.5,15) SWM (2:2.5759, a:2.5.20) WM (2:25759, a:2.5, 10.1, 201) WM (2:2.5759, a:2.5, (0.15, 10)) TM(Z:2.5759,8:2.5,(0.15, 15)) WM (2:2.5759,a:2.5,(0.15, 15)) WM (2:2.5759, a:2.5, 10.2, 10)) CTM (Z:2.5759, a:2.5, (0.2, 10)) TM (2:25759, a:2.5, (0.1, 10)) TM (2:2.5759, a:2.5, (0.1, 15)) TM (2:2.5759, a:2.5, (0.1, 20)) SWM (2:2.5759, a:2.5,25) TM (Z:2.5759, a:2.5, (0.15, 10)) SWM (2:2.5759, a:2.5,30)

Model (Parameters)

22

20

ARL<sub>1</sub>

12