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 4 (No Outliers)

16

12

ARL<sub>1</sub>

CTM (2:2.5759, a:2.5, (0.1, 10)) CTM (2:2.5759, 2:2.5, (0.1, 15)) CTM (Z:2.5759, a:2.5, (0.1, 20)) CTM (Z:25/59, a:25, (0.15, 10)) CTM (2:2.5759, a:2.5, (0.15, 15)) CTM (2:2.5759, a:2.5, (0.15, 20)) WM (2:25759, a:2.5, (0.2, 15)) CTM (2:2.5759, a:2.5, (0.2, 15)) WM (2:2.5759, a:2.5, (0.2, 20)) WM (2:2.5759, a:2.5, (0.1, 10)) WM (2:25759, 2:25, 10.1, 151) WM (2:2:5759, a:2:5, (0.1, 20)) TM (2:2.5759, a:2.5, (0.15, 10)) WM (2:2.5759, a:2.5, (0.15, 10)) TM (Z:2.5759, a:2.5, (0.15, 15)) WM (2:2.5759,a:2.5,10.15,15)) WM (2:2.5759, a:2.5, (0.15, 20)) WM (2:2.5759, a:2.5, 10.2, 10)) CTM (2:2.5759, a:2.5, (0.2, 10)) SWM (2:2.5759, a:2.5,15) TM (2:2.5759, a:2.5, (0.1, 15)) SWM (2:2.5759, a:2.5,20) TM (2:2.5759, a:2.5, (0.1, 20)) SWM (2:2.5759, a:2.5,25) SWM (2:2.5759, a:2.5,30) Model (Parameters)