Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:3, Mean Gap Size of 10, Data Variance of 4 (Outliers in in-control Period) 16 ARL<sub>1</sub> CTM (2:2.5759, a:3, (0.15, 10)) (2:2.5759, a:3,30) CTM (2:2:5759, a:3, (0.1, 20)) CTM (2:2.5759, a:3, (0.15, 20)) CTM (2:2.5759, a:3, (0.1, 10)) SWM (2.2.5759, a.3.15) TM (Z:2.5759,3:3,(0.1, 15)) WM (Z:2.5759, a:3,(0.1, 15)) CTM (Z:2.5759, a:3, (0.1, 15)) SWM (2.2.5759, 2.3,20) TM (Z:2.5759, 3:3, (0.1, 20)) WM (2:2.5759, a:3, (0:1, 20)) TM (2:2.5/59, 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 (2:2.5759, a:3, (0.2, 10)) CTM (Z:2.5759, a:3, (0.2, 10)) WM (2:2.5759,a:3,(0.2, 15)) TM(2:2:5759, a.3, 10:15, 201) TM (Z:2.5759,3:3,(0.2, 15)) Model (Parameters)