Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:1, Mean Gap Size of 0, Data Variance of 9 (Outliers in out-of-control Period) CTM (2:2.5759, a:1, (0.1, 201) SWM (2:2.5759, a:1, 25) CTM (2:2.5759, a:1, (0.1, 10))
SWM (2:2.5759, a:1, 15) CTM (2:2:5759, a:1, (0.1, 151) SWM (2:2:5759, a:1, 20) CTM (2:2.5759, a:1, (0.15, 10)) (2:2.5759, a:1, 30) CTM (2:2.5759, a:1, (0.15, 15)) CTM (Z:2.5759,a:1,10.15,201) TM (Z:2.5759,3:1,(0.1, 15)) WM (2:2.5759, a:1, (0.1, 15)) TM (2:2.5759,a:1,(0.1,20)) WM (2:2.5759, a:1, (0.1, 20)) WM (Z:2.5759,3:1,(0.15,10)) TM (2:2.5759, a:1,10.15, 201) WM (2:2.5759, a:1, (0.15, 20)) TM (2:2.5759.3:1, (0.2, 10)) WM (2:2.5759,a:1,10.2,10)) CTM (2:2.5759, a:1, (0.2, 10)) TM (2:2.5/59, a:1, (0.15, 10)) TM (Z:2.5759,3:1,(0.2, 15)) Model (Parameters)

 $ARL_0$