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 5, Data Variance of 9 (Outliers in in-control Period) CTM (2:2.5759, a:1, (0:15, 20))
TM (2:2.5759, a:1, (0:2, 10)) CTM (Z:2.5759, a:1, (0.1, 201) SWM (Z:2.5759, a:1, 25) CTM (Z:2.5759, a:1, (0.1, 10)) (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))
CTM (2:2.5759, a:1,30) WM (2:25759, a:1, (0.1, 15)) WM (2:2.5759, a:1, (0.1, 20)) CTM (2:2.5759,a:1,10.15, 151) TM (Z.2.5759, a.1, (0.1, 15)) TM (2:2.5759,a:1,(0.1,20)) TM (Z:2.5759, a:1, (0.15, 10)) WM (Z:2.5759, 2:1, (0.15, 10)) TM (2:25159, a:1, (0.15, 20)) WM (Z:2.5759, a:1, (0.15, 20)) WM (Z:2.5759,a:1,(0.2,10)) CTM (Z:2.5759, a:1, (0.2, 10)) TM (2:2.5759,a:1,(0.2, 15)) WM (Z:25759,a:1,(0:1,10))

Model (Parameters)

500

 $ARL_0$