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 1 (Outliers in in-control Period) CTM (2:2:5759, a:1, (0:1, 201) (2:2:5759, a:1, 25) CTM (Z:2.5759, a:1, (0.1, 10))
SWM (Z:2.5759, a:1, 15) CTM (2:2:5759, a:1, (0.1, 15))
SWM (2:2:5759, a:1, 20) CTM (Z:2.5759, a:1,0.15, 10))
CTM (Z:2.5759, a:1,30) WM (2:2.5759,a:1,(0.1,15)) CTM (2:2.5759,a:1,10.15, 15)) CTM (Z:2.5759,a:1,10.15,20)) TM [Z:2.5759,3:1,(0.1, 15)] TM (2:2.5759,a:1,(0.1,20)) TM (2:25159, a:1, (0.15, 10)) TM (2:2.5759, a:1, (0.15, 201) WM (2:2.5759, a:1, (0.15, 20)) TM (2:2.5759, 2:1, (0:2, 10)) WM (Z:2.5759,a:1,(0.2,10)) CTM (2:25759, a:1, (0.2, 10)) TM (2:2.5759, a:1, (0.2, 15))

Model (Parameters)

500

 $ARL_0$