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 (Outliers in both\_in\_and\_out Period)

500

 $ARL_0$ 

CTM (Z:2.5759, a:1, (0.1, 201) SWM (Z:2.5759, a:1, 251 CTM (Z:2:5759, a:1, (0.1, 10)) (Z:2:5759, a:1, 15) CTM (2:2:5759, a:1, (0.1, 15))
SWM (2:2:5759, a:1, 20) CTM (2:2.5759, 2:1, (0.15, 10))

CTM (2:2.5759, 2:1, 30) WM (2:2.5759, a:1, (0.1, 20)) CTM (Z:2.5759,a:1,10.15,201) TM (2:2.5759,a:1,(0.1.15)) WM (2:2.5759, a:1, (0.1, 15)) TM (2:2.5759,a:1,10.1,201) TM (2:25159, a:1, (0.15, 10)) CTM (2:2.5759,a:1,(0.15, 15)) TM (2:2.5759, a:1, (0.15, 201) WM (2:2.5759, a:1, (0.15, 20)) TM (2.2.5759, 3.1, (0.2, 10)) WM (2:25/59,a:1,(0:2,10)) CTM (2:2.5759, a:1, (0.2, 10)) WM (2:2.5759, a:1, (0.2, 15)) TM (Z:2.5759,3:1,(0.2,15)) Model (Parameters)