Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:1, Mean Gap Size of 10 (Outliers in both\_in\_and\_out Period) CTM (Z:1.6449, a:1, (0.1, 20)) CTM (Z:1.6449, a:1, (0.1, 10))
SWM (Z:1.6449, a:1, 15) CTM (Z:1.6449, a:1, (0.1, 15)) CTM (Z:1.6449, a:1, (0.15, 10))
CTM (Z:1.6449, a:1, 30) WM (2:1:6449, a:1,(0.1,20)) CTM (Z:1,6449,2:1,10.15,20)) TM (Z:1,6449,3:1,10.1.15)) WM (2:1.6449, a:1, (0:1, 15)) TM (Z:1,6449,3:1,10.1,201) TM (2:1.6449, a:1, (0.15, 10)) CTM (Z:1.6449,2:1,(0.15, 15)) TM (Z.1.6449, 2.1, (0.15, 20)) WM (2:1,6449,3:1,10.15,20)) TM (2.1.6449, 3.1, (0.2, 10)) WM (z:1.6449, a:1, (0.2, 10)) CTM (Z:1 6449, 3:1, (0.2, 10)) TM (Z.1.6449, 3:1, (0.2, 15)) WM (Z:1,6449,8:1,(0.1,10))

 $ARL_0$ 

Model (Parameters)