Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:2.5, Mean Gap Size of 0, Data Variance of 4 (Outliers in both\_in\_and\_out Period) CTM (Z:1.6449.3:2.5,(0.1,10))
SWM (Z:1.6449.3:2.5,15) CTM (Z:1.6449, a:2.5, (0.1, 15))
SWM (Z:1.6449, a:2.5, 20) WM (Z:1.6449, 3:2.5, (0.1, 10)) WM (2:1.6449, a:2.5, (0.1, 20)) CTM (Z:1.6449,3:2.5,10.1,201) WM (Z:1,6449,a:2.5,10.15,10)) CTM (Z:1.6449, a:2.5, (0.15, 15)) TM (Z:1.6449, a:2.5, (0.15, 20)) WM (Z:1,6449,3:2.5,10.15,20)) CTM (2:1.6449, 2:2.5, (0.15, 20)) WM (2:1,6449, a:2.5, (0.2, 15)) WM (Z:1.6449, 8:2.5, (0.1., 15)) TM (2:1.6449, a:2.5, (0.1, 20)) TM (Z:1,6449, a:2.5, (0.15, 10)) WM (Z:1.6449, a:2.5, (0.15, 15)) TM (2.1.6449, a.2.5, (0.2, 10)) WM (2:1.6449, 3:2.5, (0.2, 10)) CTM (Z.1.6449, a.2.5, (0.2, 10)) TM (2.1.6449, a.2.5, (0.2, 15)) CTM (Z:1,6449,3:2.5,10.2,15)) TM (2:1.6449, a:2.5, (0.1., 15)) Model (Parameters)

 $ARL_0$