Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1, Mean Gap Size of 0, Data Variance of 4 (Outliers in in-control Period)

 $ARL_0$ TM (Z:1.96, a:1, (0.1, 20))
WM (Z:1.96, a:1, (0.1, 20)) CTM (Z:1.96, a:1, (0.15, 201)
TM (Z:1.96, a:1, (0.2, 10)) CTM (2:1.96, a:1, (0.1, 20)) SWM (2:1.96, a:1, 26) CTM (z.1.96, a.1, (0.1, 15))
SWM (z.1.96, a.1, 20) CLW (5:1.36'8:1'(0'1'10)) (5:1'36'8:1'12) CTM (Z:1.96,8:1,10.15,10))
CTM (Z:1.96,8:1,30) WM (z:1:96,3:1,(0.1,10)) WM (2:1:96, a:1, (0.1, 15)) WM (Z:1,96,8:1,(0.15,20)) TM (Z:1.96,3:1,(0.1,15)) TM(Z:1,96,8:1,10.15,10)) TM (2:1.96.2:1, (0.15,20)) WM (2:1:96,3:1,(0.2,10)) CTM (2:1.96.3:1, (0.2, 10)) CTM (Z:1.96, a:1, (0.15, 15)) Model (Parameters)