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 5 and Data Variance of 9 (No Outliers) WM (2:1:96, a:1, (0.1, 15)) TM (Z:1.96,3:1,(0.1,20)) WM (2:1.96,a:1,(0.1,20)) CTM (Z:1.96,2:1,(0.15,10)) CTM (Z:1.96, a:1, (0.15, 15)) WM (2:1.96, a:1, (0.2, 15)) MW (5:1:06.8:1,(0.1,10)) SWM (2:1.96,8:1,15) TM(Z:1.96, a:1, (0.1, 15)) SWM (2:1.96, 2:1, 20) SWM (2:1.96,a:1,25) WM (Z:1,96,8:1,(0.15, 15)) WM (Z:1,96,8:1,(0.15,20)) CTM (Z:1,96,2:1,10.15,20)) WM (2:1.96, a:1, (0.2, 10)) CTM (2:1.96, a:1, (0.1, 10)) CTM (2:1.96, a:1, (0:1, 15)) CTM (2:1:96, a:1, (0:1, 20)) WM (Z:1,96,8:1,(0.15,10)) TM (Z:1.96, a:1, (0.15, 15)) CTM (z:1.96.8:1,10.2,10)) SWM (Z:1,96,2:1,30)

Model (Parameters)

500

 $ARL_0$