Boxplot of ARL<sub>1</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)) MW (x:1.98.8:1,(0.1,10)) 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)) SWM (Z:1.96,2:1,25) CTM (Z:1.96,2:1,(0.15,10)) WM (Z:1.96,8:1,(0.15, 15)) CTM (Z:1.96, 2:1, (0.15, 15)) WM (Z:1.96, a:1, (0.15, 20)) WM (Z:1.96,2:1,(0.2,10)) SWM (Z:1,96,8:1,15) SWM (Z:1,96,3:1,20) SWM (Z:1.96, 2:1,30)

Model (Parameters)

22.5

20.0

17.5

15.0

ARL<sub>1</sub> 12.5