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 1 and Data Variance of 9 (No Outliers) CTM (Z:1.6449, a:1, (0.1, 10)) SWM (2.1. 6449, a.1, 15) MM (2:1:6449, a:1,(0:1,10)) TM (2.7. 6449, 2:7, (0.7. 15)) WM (Z:1:6449, a:1, (0:1, 15)) CTM (Z:1.6449, 2:1, (0.1, 15)) SWM (2.1. 6449, 2.1, 20) TM (2:1.6449, 2:1, (0.1, 20)) MM (2:1:6449, a:1, (0:1, 20)) CTM (2:1.6449, a:1, (0.1, 20))

500

CTM (Z:1.6449.3:1,10.15,10))
CTM (Z:1.6449.3:1,30) CTM (Z:1.6449, B:1, (0.15, 15)) CTM (2:1.6449, a:1,10.15,20)) WM (Z:1.6449, 8:1, (0.15, 15)) WM (Z:1.6449, 2:1, (0.15, 20)) CTM (Z:1:6449, 2:1, (0.2, 10)) SWM (2.1.6449, 2.1, 25) TM (2:1.6449, a:1, (0.15, 10)) TM (Z:1.6449, a:1, (0.15, 15)) WM (Z:1.6449, a:1,(0.2,10)) WM (Z:1:6449, a:1, (0.2, 15)) Model (Parameters)