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 1, Data Variance of 1 (Outliers in burn-in Period) CTM (2:1.96, a:1, (0.1, 15)) SWM (2:1.96, a:1,20) CTM (z:1.96, a:1, (0.1, 201) (z:1.96, a:1, 25) CTM (Z:1.96,8:1,(0.15,10)) (Z:1.96,8:1,30) WM (z:1:96,a:1,(0.1,10)) WM (Z:1.96,2:1,(0.1, 15)) TM (2:1.96, 2:1, (0.1, 20)) MW (5:1:36:3:1,(0:1,20)) WM (Z:1.96,8:1,(0.15,20)) CTM (Z:1.96,3:1,(0.15,20)) TM (2:1.96, 2:1, (0.2, 10)) CTM (Z:1.96.3:1, (0.2, 10)) CTM (z:1.96,a:1,(0:1,10)) TM (Z:1.96, a:1, (0.15, 20))

Model (Parameters)

350

ARL<sub>1</sub>