Boxplot of ARL₀ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1, Mean Gap Size of 5 (Outliers in in-control Period) 500 ARL_0 CTM (Z:1.96, 3:1, (0.1, 10)) (Z:1.96, 2:1, 15) CTM (2:1.96, a:1, (0.1, 15)) SWM (2:1.96, a:1,20) CTM (2:1.96, 8:1, (0.1, 201) (2:1.96, 8:1, 25) MW (5:1:06:3:1,(0:1,20)) WM (z:1:96,a:1,(0.1,10)) WM (z:1.96, a:1,(0.1, 15)) TM (Z:1,96,3:1,(0.1,20)) TM (Z:1.96,3:1,(0.1,15))

CTM (Z:1.96, a:1, (0.15, 10)) (Z:1.96, a:1,30) WM (Z:1.96, a:1, (0.15, 20)) CTM (Z:1.96,3:1,10.15,20)) TM (2:1.96,2:1,(0.2,10)) WM (z:1.96, a:1, (0.2, 10)) TM (Z:1.96, a:1, (0.15, 10)) TM [Z:1.96,a:1,10.15,20]) Model (Parameters)