Boxplot of ARL1 for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:2, Mean Gap Size of 5, Data Variance of 4 (Outliers in out-of-control Period) 20 ARL_1 CTM (2:2:5759, a:2, (0.1, 15)) CTM (2:2.5759, a:2, (0.15, 10))

CTM (2:2.5759, a:2, 30) CTM (2:2.5759, a:2,(0.1,20)) CTM (2:2.5759, a:2, (0.15, 20)) CTM (2:2:5759, a:2, (0.1, 10)) SWM (2:2.5759, a:2,15) TM (2:2.5759,3:2,(0.1., 15)) WM (2:2.5759, a:2,10.1, 151) TM [2:2.5759, a:2, (0.1, 20)] WM (2:2.5759, a:2, (0.1, 20)) TM (2:2.5759, a:2, (0.15, 10)) WM (Z:2.5759, a:2, (0.15, 10)) WM (2:2.5759, a:2,(0.15, 15)) CTM (2:2.5759, a:2, (0.15, 15)) WM (2:2.5759, a:2,(0.15,20)) TM (2:2.5759,3:2,(0.2, 10)) WM (Z.2.5759, a.2, (0.2, 10)) CTM (Z:2.5759, a:2, (0.2, 10)) WM (2:2.5759, a:2,10.2, 151) TM (2:2.5759, a:2, (0.15, 20)) TM (Z:2.5759,3:2,(0.2, 15)) Model (Parameters)