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 1 (Outliers in out-of-control Period) 16 ARL₁ CTM (Z:2.5759, a:2,10.1,151) CTM (2:2.5759, a:2, (0.15, 10))

CTM (2:2.5759, a:2, 30) CTM (Z: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 (Z:2.5759,3:2,(0.1, 15)) WM (2:2.5759, a:2,(0.1, 15)) TM (Z:2.5759,3:2,(0.1,20)) WM (2:2.5759, a:2,10.1,201) TM (2:2.5759, a:2, (0.15, 10)) WM (2:2.5759,3:2,(0.15, 10)) 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 (2:2.5759,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:2,10.15,201) TM (Z:2.5759,3:2,(0.2, 15)) Model (Parameters)