Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:1.5, Mean Gap Size of 5, Data Variance of 1 (Outliers in burn-in Period) 14 CTM (2:2.5759, a:1.5, (0.15, 10))

CTM (2:2.5759, a:1.5, 30) WM (2:2.5759, 8:1, 5, (0.1, 20)) CTM (Z:2.5759, 2:1.5,10.1,10)) CTM (Z:2.5759, 3:1.5, (0.1, 15)) CTM (Z:2:5759, 2:1.5, (0.1, 20)) TM (Z:2.5759, a:1.5, (0.15, 10)) WM (z:2.5759,a:1.5,(0.15,10)) TM (Z:2.5759, a:1.5, (0.15, 201) WM (2:2.5759, a:1.5, (0.15, 20)) CTM (2:2.5759, a:1.5, (0.15, 20)) CTM (2:2.5759, a:1.5, (0.2, 10)) WM (2:2.5759, a:1.5, (0.2.15)) CTM (Z:2.5759,3:1.5,10.2,15)) WM (Z:2.5759, a:1.5, (0.1., 15)) TM (2:2.5759, a: 1.5, (0.1, 20)) SWM (2:2.5759, a.1.5.25) TM (Z:2.5759, a:1.5, (0.15, 15)) WM (2:2:5759, a:1.5, (0.15, 15)) CTM (Z:2.5759, a:1.5, (0.15, 15)) WM (2:2.5759, a:1.5, (0.2.10)) TM (2:2.5759, a: 1.5, (0.2, 15)) TM (2:2.5759,a:1.5,(0.1,15)) SWM (2:25759, a:1,5,20) TM (2:2.5759, a: 1.5, (0.2, 10)) Model (Parameters)