Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:3, Mean Gap Size of 5, Data Variance of 1 (Outliers in out-of-control Period) 16  $ARL_1$ CTM (2:2.5759, a:3, (0.15, 10)) (2:2.5759, a:3,30) CTM (2:2:5759, a:3, (0.1, 20)) CTM (2:2.5759, a:3, (0.15, 20)) CTM (2:2:5759, a:3, (0.1, 10)) SWM (2.2.5759, a.3.15) TM (Z:2.5759,3:3,(0.1, 15)) WM (2:2.5759, a:3, (0.1, 15)) CTM (Z:2.5759, a:3, (0.1, 15)) SWM (22.5759, 2:3,20) TM (2:2.5759, a:3, (0.1, 201) WM (2:2.5759, a:3, (0.1, 20)) TM (2:2.5/59, a:3, (0.15, 10)) WM (Z:2.5759, a:3, (0.15, 10)) CTM (2:2.5759, a:3, (0.15, 15)) WM (2:2.5759, a:3, (0.15, 20)) TM (Z.2.5759, 2.3, (0.2, 10)) WM (2:2.5759, a:3, (0.2, 10)) CTM (Z:2.5759, a:3, (0.2, 10)) WM (2:2.5759, 2:3, (0.2. 15)) TM (2:2.5159, a:3, (0.15, 20)) TM (Z:2.5759,3:3,(0.2, 15)) Model (Parameters)