Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:0.95, Mean Gap Size of 5, Data Variance of 4 (Outliers in both\_in\_and\_out Period) 16  $ARL_1$ CT (2.5759,0.95,0.1,0.95,20) 7 (2.5759,0.95,0.1,15) 7 (2.5759,095,0.15,15) W (2.5759,0.95,0.15,15) CT (2.5759,0.95,0.15,15) W (2.5759,0.95,0.15,20) CT (2.5759,0.95,0.15,20) 7 (2.5759,0.95,0.15,25) CT (2.5759, 0.95, 0.15, 25) W (2.5759, 0.95, 0.1, 10) W (2.5759, 0.95, 0.1, 15) 7 (2.5759,0.95,0.1,20) W (2.5759,0.95,0.1,20) W (2.5759, 0.95, 0.1, 25) W (2.5759,0.95,0.15,10) CT (2.5759,0.95,0.15,10) 7 (2.5759,0.95,0.15,20) W (2.5759,0.95,0.15,25) 7 (25/59, 0.95, 0.2, 10) W (2.5759, 0.95, 0.2, 10) CT (2.5759,0.95,0.2,10) 7 (25/59, 0.95, 0.2, 15) W (2.5759, 0.95, 0.2, 15) CT (2.5759,0.95,0.2,15)

Model (Parameters)