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 10, Data Variance of 9 (Outliers in both\_in\_and\_out Period)  $ARL_1$ 

W(25759,0.95,0.1,15) W (2.5759,0.95,0.15,15) CT (2.5759, 0.95, 0.15, 15) T (2.5759, 0.95, 0.15, 25) W (2.5759,0.95,0.15,25) W (2.5759, 0.95, 0.1, 10) T (2.5759, 0.95, 0.1, 20) W (2.5759,0.95,0.1,20) CT (2.5759,0.95,0.15,10) T (2.5759, 0.95, 0.15, 15) T (2.5759, 0.95, 0.15, 20) W (2.5759,0.95,0.15,20) CT (2.5759,0.95,0.15,20) CT (2.5759, 0.95, 0.15, 25) T (2.5759, 0.95, 0.2, 10) W (2.5759,0.95,0.2.15) CT (2.5759,0.95,0.2,15) Model (Parameters)