Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:1.0, Mean Gap Size of 1, Data Variance of 9 (Outliers in both\_in\_and\_out Period) 500  $ARL_0$ 

T (2.5759, 1.0, 0.1, 1.5)

CT (2.5759, 1.0, 0.1, 1.5)

CT (2.5759, 1.0, 5759, 1.0, 5759, 1.0, 20) T (2.5759, 1.0,0.1,20), 1.0,0.1,20), 25) W(2.5759, 10,0.1,25), 10,30) CT (2.5759, 1.0, 0.15, 25) CT (2.5759, 1.0, 0.15, 25) 7, 10) CT (2.5759, 1.0, 0.2, 10) CT (2.5159, 10,02,15) 7,20) 7 (2.5759, 1.0, 0.15, 10) W (2.5759, 1.0, 0.15, 10) W(2.5759, 1.0, 0.15, 15) CT (2.5759, 1.0, 0.15, 15) 7(25159, 10,0,15,20) W (2.5759, 1.0, 0.15, 20) W (2.5759, 1.0, 0.15, 25) W (2.5759, 10, 0.2, 10) W (2.5759, 10, 0.2, 15) 7 (2.5759, 1.0,0.1,25) Model (Parameters)