Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:2.0, Mean Gap Size of 10 (Outliers in both_in_and_out Period)

20.0

17.5

15.0

12.5

7.5

ARL₁

CT (2.5759, 20, 0.15, 25) 2, 10) CT (2.5759, 20, 0.1, 15), 20) CT (2.5759, 20, 0.1, 10), 15) CT (2.5759, 20, 0.1, 25), 30) CT (2.5759, 20, 0.1, 20), 25) T (2.5759, 20,0.1, 15) W (2.5759, 20, 0.1, 15) W (2.5759, 20, 0.15, 10) W (2.5759, 20, 0.15, 15) CT (2.5759, 2.0, 0.15, 15) T (2.5759, 2.0, 0.15, 20) W(25759,20,0.15,20) CT (2.5759, 2.0, 0.15, 20) 7 (2.5759, 2.0, 0.15, 25) W (25/59, 20, 0.15, 25) W (2.5759, 20, 0.2, 10) CT (2.5759, 2.0, 0.2, 10) W (2.5759, 20, 0.2, 15) CT (2.5759, 20, 0.2, 15) W (25759, 20, 02, 20) CT (2.5759, 2.0, 0.2, 20) W (2.5759, 20, 0.1, 10) T (2.5759, 2.0, 0.1, 20) W (2.5759, 20, 0.1, 20) T (2.5759, 2.0, 0.1, 25) W (25759, 20, 0.1, 25) CT (2.5759,20,0.15,10) 7 (2.5759, 20, 02, 15) 7 (2.5759, 20, 0.2, 20) Model (Parameters)