Boxplot of *ARL*₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1.0, Mean Gap Size of 5 (Outliers in out-of-control Period)

20.0

17.5

15.0

ARL₁

CT (1.96, 1.0, 0.15, 20) CT(1.96, 1.0, 0.15, 25) 2, 10) CT (1.96, 1.0, 0.2, 10) CT (1.96, 10, 0.1, 20), 25) ~(1.96,10.0.1,15) W(1.96, 1.0, 0.15, 15) CT (1.96, 1.0, 0.15, 15) 7(1.96.10,0.15,20) W(1.96, 10, 0.15, 20) W(1.96,10,0,15,25) CT (1.96, 1.0, 0.2, 15) 7(1.96, 10, 0.2, 20) CT (1.96, 1.0, 0.2, 20) W(1.96, 1.0, 0.1, 10) W(1.96, 1.0, 0.1, 15) T(1,96,10,0,1,20) W(1.96, 1.0, 0.1, 20) W(1.96.10,0.1,25) M(1.96, 10,02,10) W(1.96, 1.0, 02, 15) 7 (1.96, 1.0,0.1, 25) Model (Parameters)