Boxplot of *ARL*<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:1.96 alpha:2, Mean Gap Size of 10 (Outliers in in-control Period)

 $ARL_0$ 

 $\frac{1}{100} \frac{1}{100} \frac{1}$ 7(1,96,2,0,1,15) 7(1,96,2,0,1,15) 7(1,96,2,0,1,15) 7(1,96,2,0,1,20) 7(1,96,2,0,1,20) 7(1,96,2,0,1,20) 7(1,96,2,0,1,20) 7(1,96,2,0,1,20) 7(1,96,2,0,1,25) 20) 2,25) 7(1,96,2,0,1,25) 7(1,96,2,0,1,25) 7(1,96,2,0,1,25) 7(1,96,2,0,1,25) Model (Parameters)