Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:1, Mean Gap Size of 10, Data Variance of 1 (Outliers in both\_in\_and\_out Period) 500  $ARL_0$ CTM (Z:2:5759, a:1, (0:1, 201) SWM (Z:2:5759, a:1, 25) CTM (Z:2.5759, a:1, (0.15, 20))
TM (Z:2.5759, a:1, (0.2, 10)) CTM (2:2.5759,a:1,(0.1,10))
SWM (2:2.5759,a:1,15) CTM (2:2:5759, a:1, (0.1, 15))
SWM (2:2:5759, a:1, 20) CTM (Z:2.5759, a:1, (0.15, 10))
CTM (Z:2.5759, a:1,30) CTM (2:2.5759,a:1,10.15,15)) TM (Z.2.5759, a.1, (0.1, 15)) WM (2:2.5759,a:1,(0.1,15)) TM (2:2.5759, a:1, (0.1, 20)) WM (2:2.5759, a:1, (0.1, 201) TM (Z:2.5759, a:1, (0.15, 10)) TM (2:2.5759, a:1, (0.15, 201) WM (Z:2.5759, a:1, (0.15, 20)) WM (Z:2.5759,a:1,(0.2,10)) TM (2.25759, a.7, (0.2, 15)) CTM (2:2.5759, a:1, (0.2, 10))

Model (Parameters)