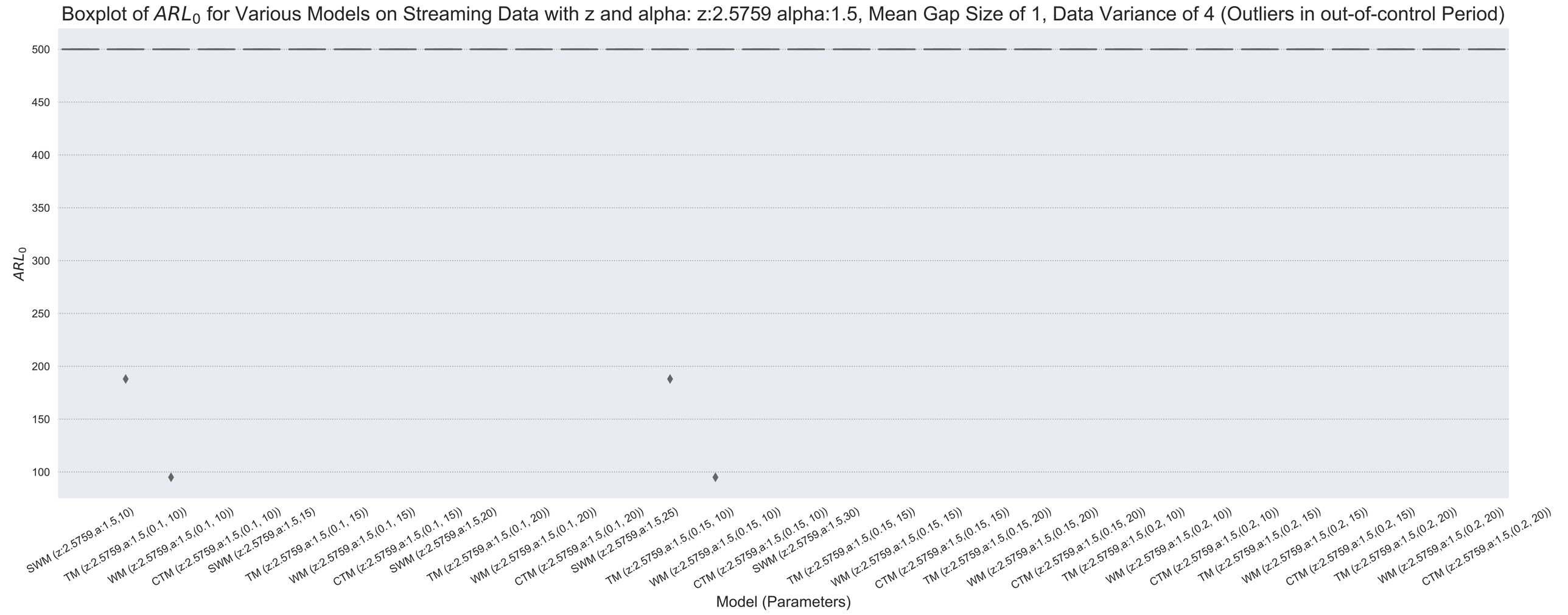
Boxplot of ARL_0 for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:1.5, Mean Gap Size of 1, Data Variance of 4 (Outliers in out-of-control Period)
ARL_0
500
450
400
350
300
250
200
150
100
SWM (z:2.5759,a:1.5,10)
TM (z:2.5759,a:1.5,(0.1, 10))
WM (z:2.5759,a:1.5,(0.1, 10))
CTM (z:2.5759,a:1.5,(0.1, 10))
SWM (z:2.5759,a:1.5,15)
TM (z:2.5759,a:1.5,(0.1, 15))
WM (z:2.5759,a:1.5,(0.1, 15))
CTM (z:2.5759,a:1.5,(0.1, 15))
SWM (z:2.5759,a:1.5,20)
TM (z:2.5759,a:1.5,(0.1, 20))
WM (z:2.5759,a:1.5,(0.1, 20))
CTM (z:2.5759,a:1.5,(0.1, 20))
SWM (z:2.5759,a:1.5,25)
TM (z:2.5759,a:1.5,(0.15, 10))
WM (z:2.5759,a:1.5,(0.15, 10))
CTM (z:2.5759,a:1.5,(0.15, 10))
SWM (z:2.5759,a:1.5,30)
TM (z:2.5759,a:1.5,(0.15, 15))
WM (z:2.5759,a:1.5,(0.15, 15))
CTM (z:2.5759,a:1.5,(0.15, 15))
TM (z:2.5759,a:1.5,(0.15, 20))
WM (z:2.5759,a:1.5,(0.15, 20))
CTM (z:2.5759,a:1.5,(0.15, 20))
TM (z:2.5759,a:1.5,(0.2, 10))
WM (z:2.5759,a:1.5,(0.2, 10))
CTM (z:2.5759,a:1.5,(0.2, 10))
TM (z:2.5759,a:1.5,(0.2, 15))
WM (z:2.5759,a:1.5,(0.2, 15))
CTM (z:2.5759,a:1.5,(0.2, 15))
TM (z:2.5759,a:1.5,(0.2, 20))
WM (z:2.5759,a:1.5,(0.2, 20))
CTM (z:2.5759,a:1.5,(0.2, 20))
Model (Parameters)