Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:1.5, Mean Gap Size of 10 and Data Variance of 4 (No Outliers)

12  $ARL_1$ CTM (Z:1,6449, a:1,5,10.1,10)) CTM (Z:1,6449, a:1.5, (0.1, 15)) CTM (Z:1,6449, 2:1,5,10.1,201) CTM (2:1.6449, a:1.5, (0.15, 10)) CTM (Z:1.6449, a:1.5, (0.15, 15)) CTM (2:1.6449, 2:1.5, (0.15, 20)) WM (2:1.6449, a.1.5, (0.2, 15)) CTM (Z:1, 6449, a:1.5, (0.2, 15)) WM (2:1:6449, a:1.5, (0.2, 20)) WM (Z:1,6449, 3:1,5,10.1,10)) SWM (Z:1 6449, a:1.5, 15) WM (2:1.6449, a:1.5, (0.1, 15)) WM (2:1,6449, 3:1,5,10.1,20)) WM (Z:1.6449, a:1.5, (0.15, 10)) TM (Z:1,6449, a:1,5,(0.15, 15)) WM (Z:1,6449,a:1.5,10.15,15)) WM (Z:1,6449,2:1.5,10.15,20)) WM (2:1.6449, a.1.5, (0.2, 10)) CTM (Z:1, 6449, a:1, 5, (0, 2, 10)) TM (Z:1.6449, a:1.5, (0.1.10)) TM (Z:1,6449,a:1.5,(0.1,15)) SWM (Z:1, 6449, a:1, 5,20) TM (Z:1,6449,2:1.5,10.1,20)) SWM (Z.1.6449, a.1.5,25) TM (Z:1,6449, a:1,5,(0.15, 10)) SWM (Z.1.6449, 2.1.5,30) Model (Parameters)

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