Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:2, Mean Gap Size of 10, Data Variance of 1 (Outliers in burn-in Period) 14  $ARL_1$ CTM (Z:1.6449, a:2, (0.15, 10))

CTM (Z:1.6449, a:2, 30) CTM (Z:1 6449, 3:2, (0.1, 20)) CTM (2:1.6A49, 2:2, (0.15, 20)) CTM (2:1.6449, a:2, (0.1, 10)) TM (Z:1,6449,3:2,(0.1,15)) WM (Z:1.6449, 2:2, (0.1, 15)) CTM (Z:1.6449, 2:2, (0.1, 15)) SWM (2.1.6449, a.2,20) TM (Z:1,6449,3:2,10.1,201) WM (2:1.6449, a:2, (0:1, 20)) TM (2:1.6449, a:2, (0.15, 10)) WM (Z:1,6449,8:2,10.15,10)) WM (2:1.6449, 8:2, (0.15, 15)) CTM (Z:1,6449,2:2,(0.15, 15)) WM (2:1.6449, 3:2, (0.15, 20)) TM (2.1.6449,3:2,102,101) WM (Z:1.6449, a:2, (0.2, 10)) CTM (Z:1 6449, 3:2, (0.2, 10)) TM (Z:1,6449,3:2,10.2,151) TM (2:1.6449, a.2.10.15, 201) Model (Parameters)