

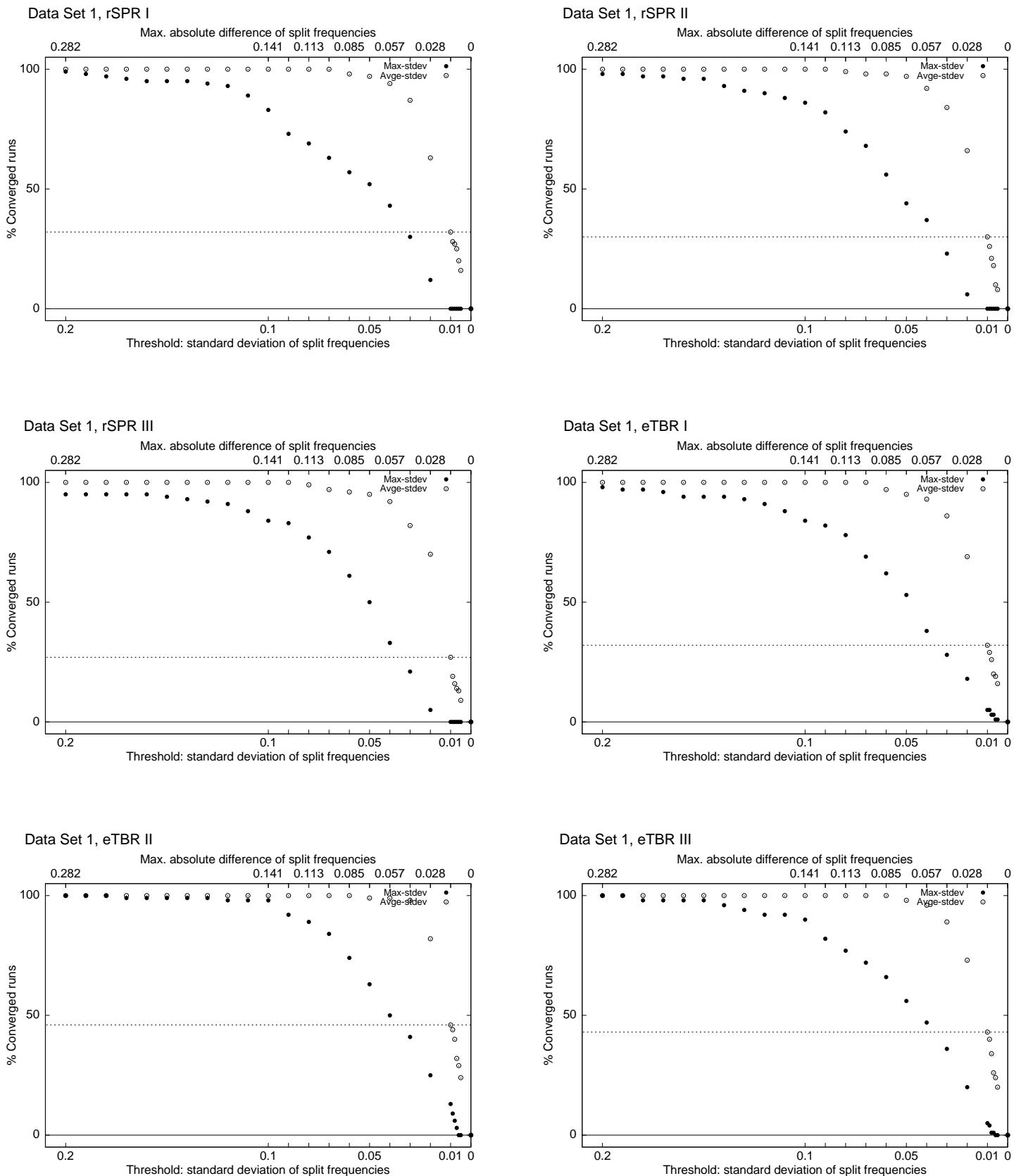
Comparison of Convergence diagnostic cutoff values

The following figures graphically compare different cutoff values for three different types of convergence diagnostics: a) the average-, b) the maximum standard deviation of split frequencies, and c) the maximum absolute difference of split frequencies. The maximum absolute difference of split frequencies, δf_{max} , for two runs can be calculated from the maximum standard deviation s_{max} :

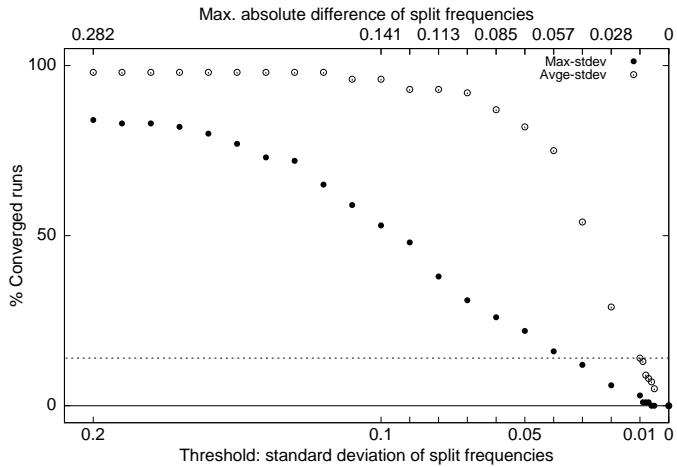
$$\delta f_{max} = \sqrt{2s_{max}^2}.$$

The dotted line indicates the number of converged runs for the average standard deviation of split frequencies at 0.01, the chosen cutoff value. The second x-axis (on top) indicates the corresponding value for the maximum absolute difference of split frequencies. Following the dotted line back to where it intersects with the data points for the maximum standard deviation of split frequencies indicates which cutoff value would have to be chosen for this alternative convergence diagnostic to find the same number of converged runs.

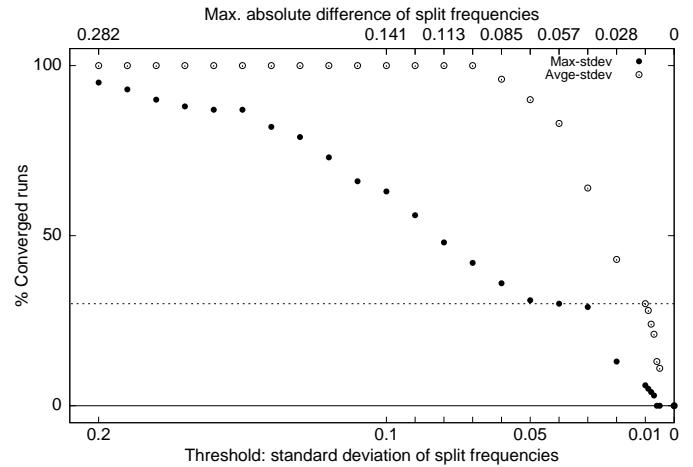
Data set 1



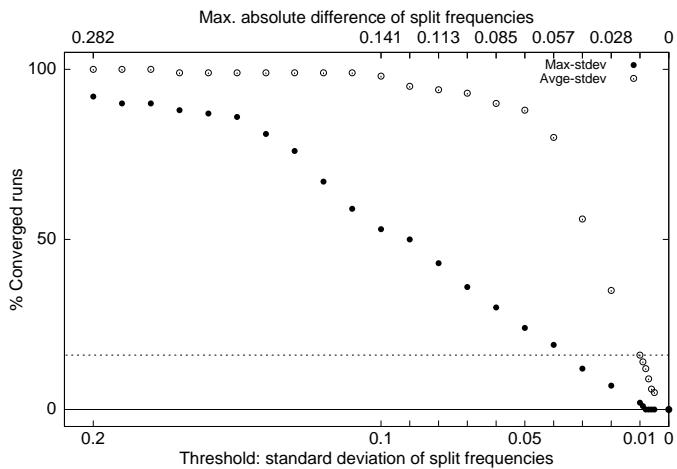
Data Set 1, eSPR I



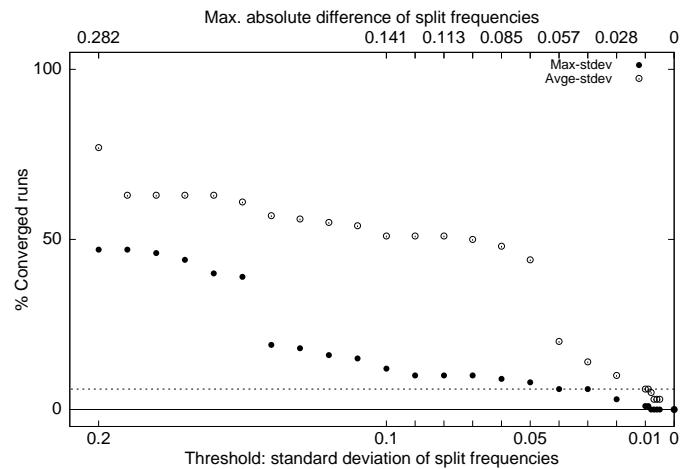
Data Set 1, eSPR II



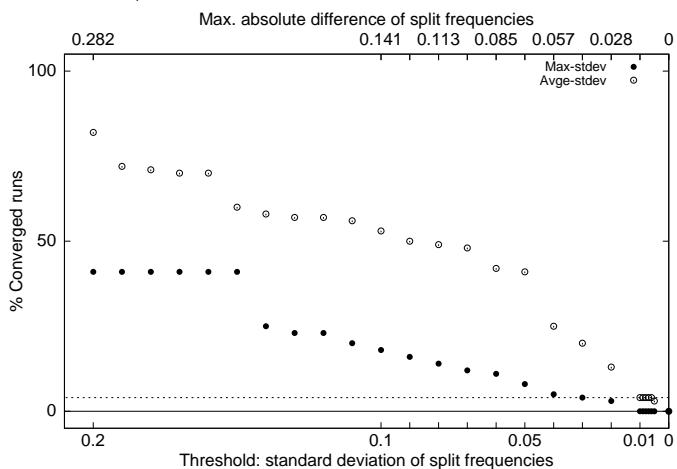
Data Set 1, eSPR III



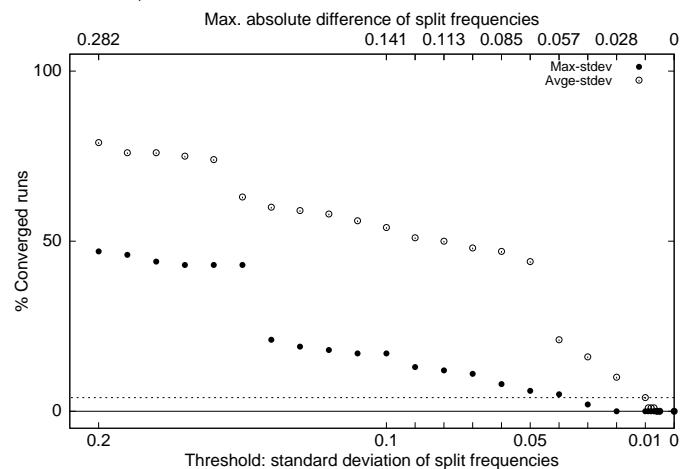
Data Set 1, eSTS I



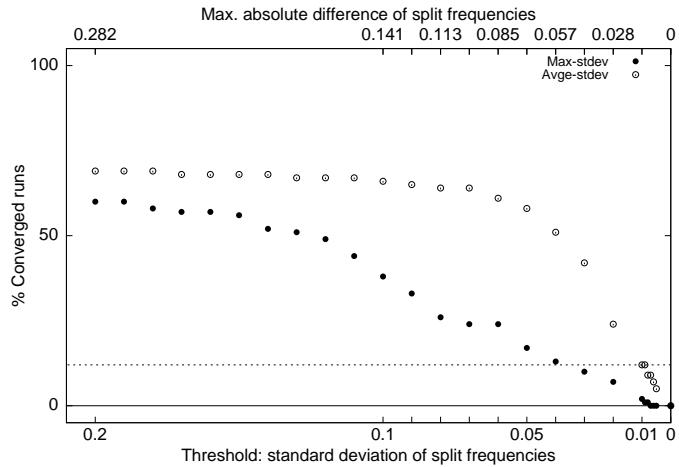
Data Set 1, eSTS II



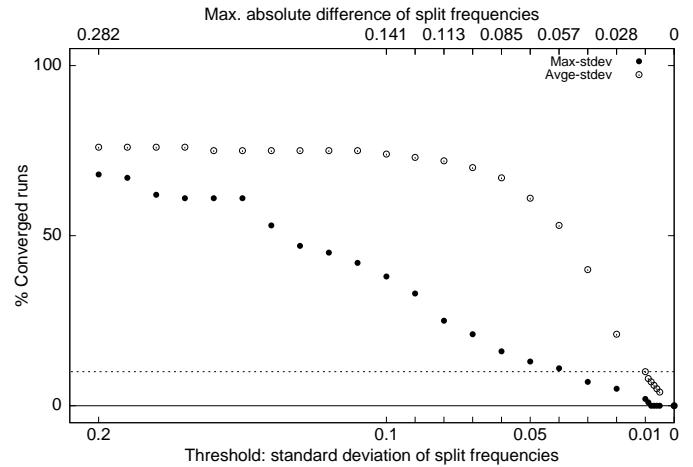
Data Set 1, eSTS III



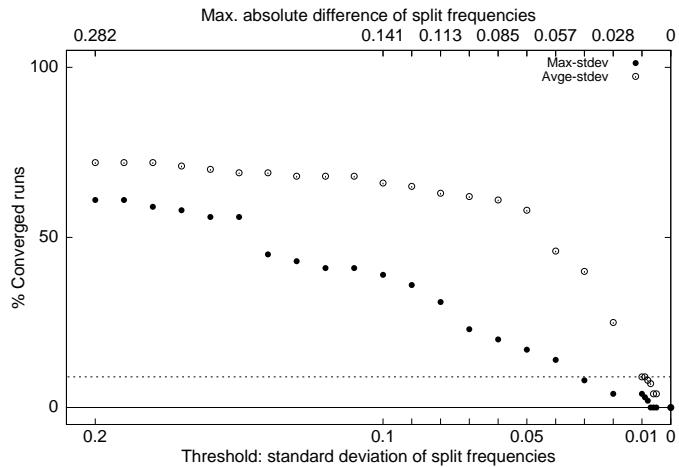
Data Set 1, stNNI I



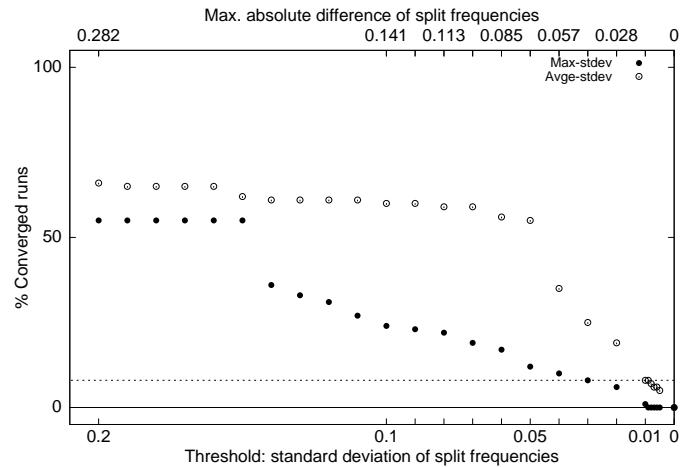
Data Set 1, stNNI II



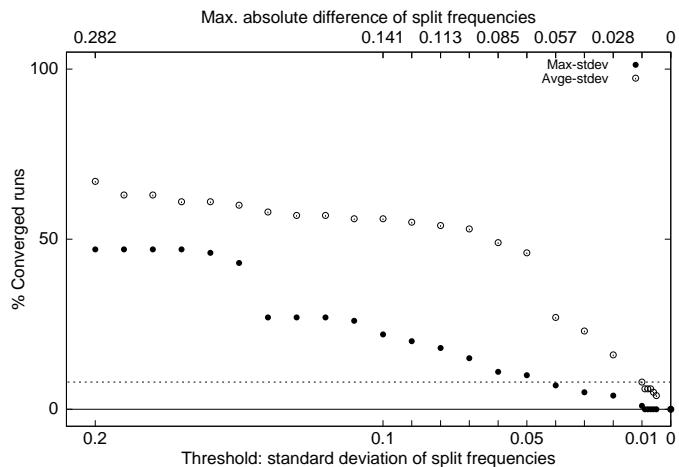
Data Set 1, stNNI III



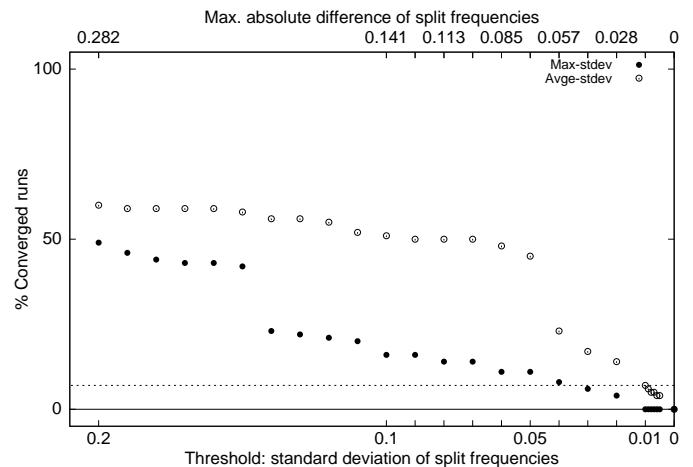
Data Set 1, LOCAL I

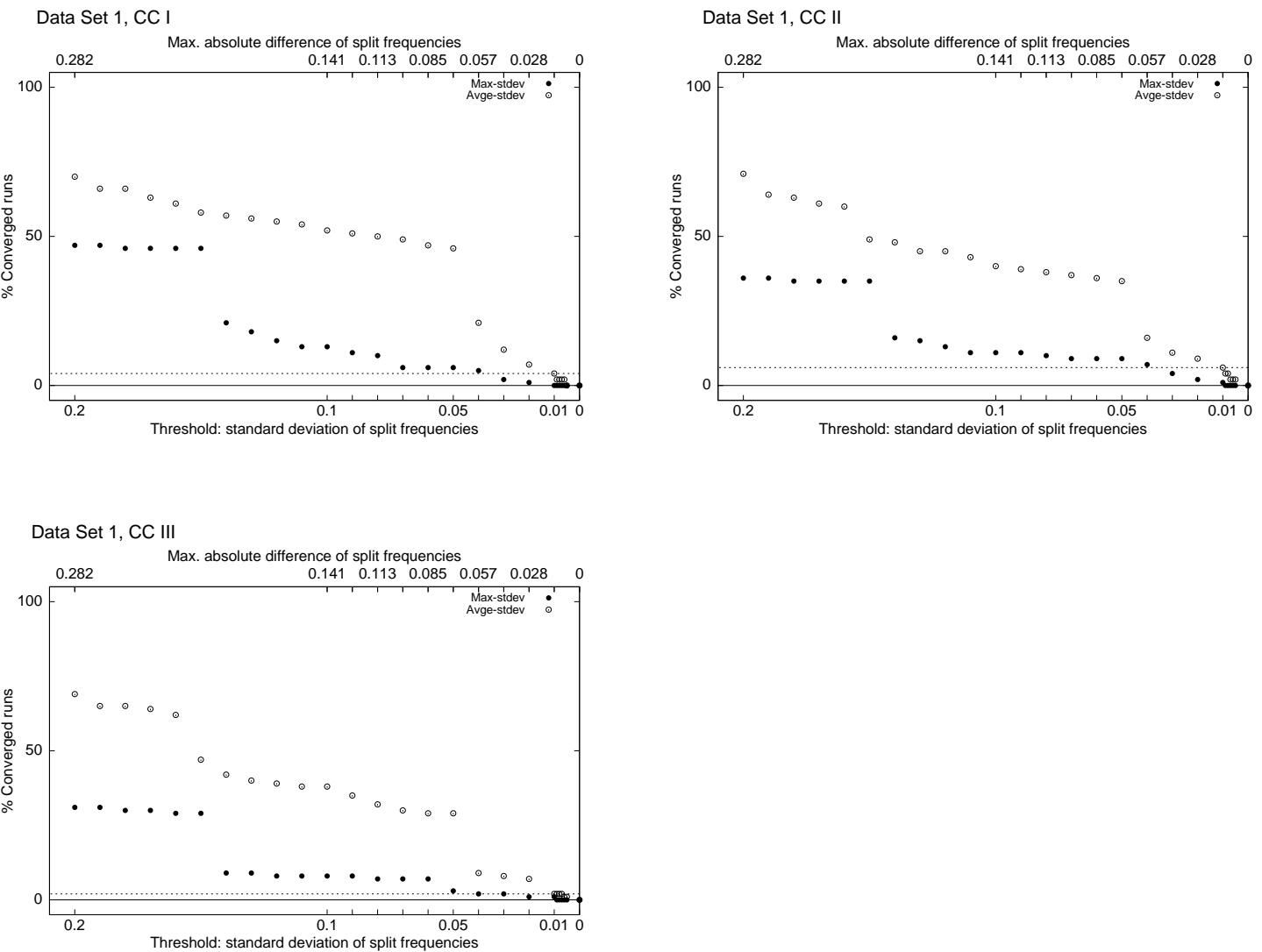


Data Set 1, LOCAL II

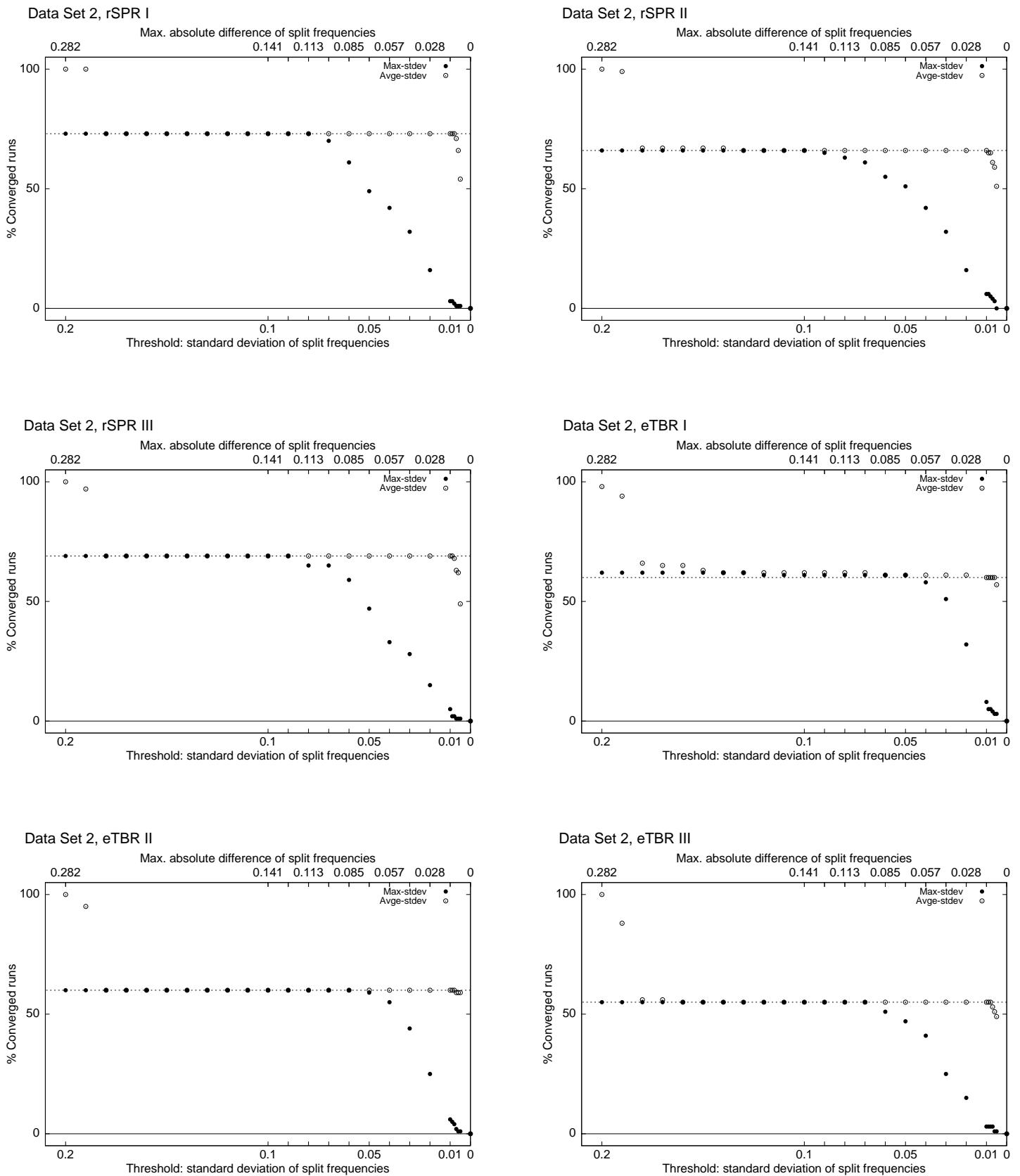


Data Set 1, LOCAL III

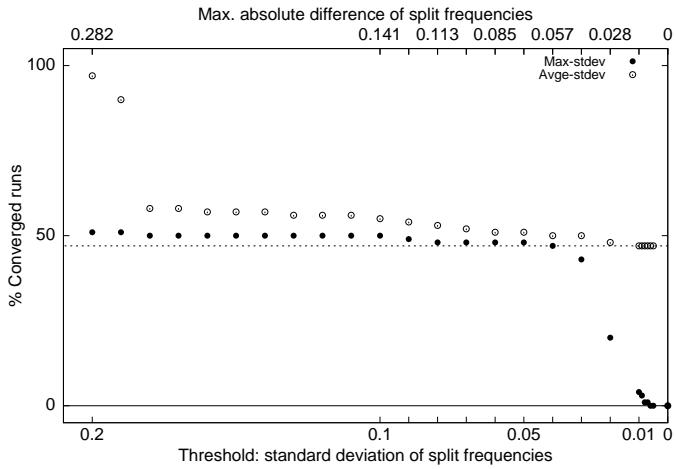




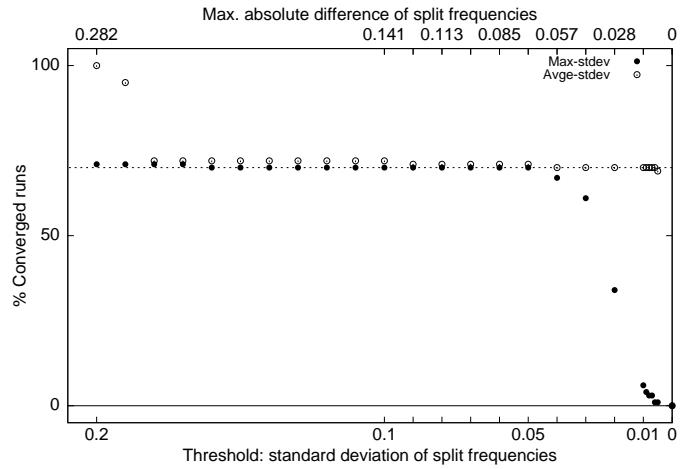
Data set 2



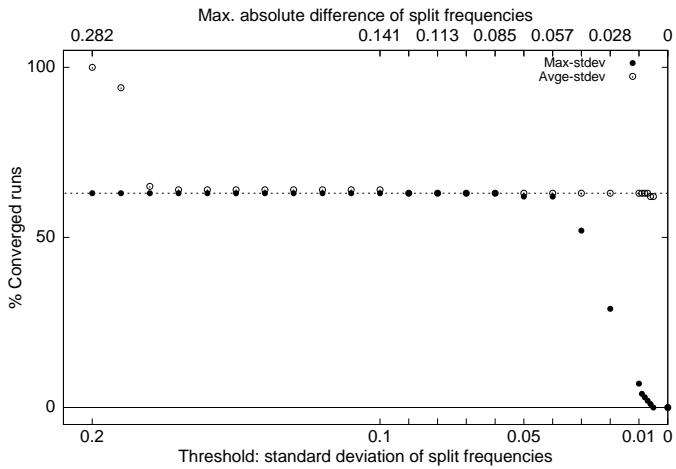
Data Set 2, eSPR I



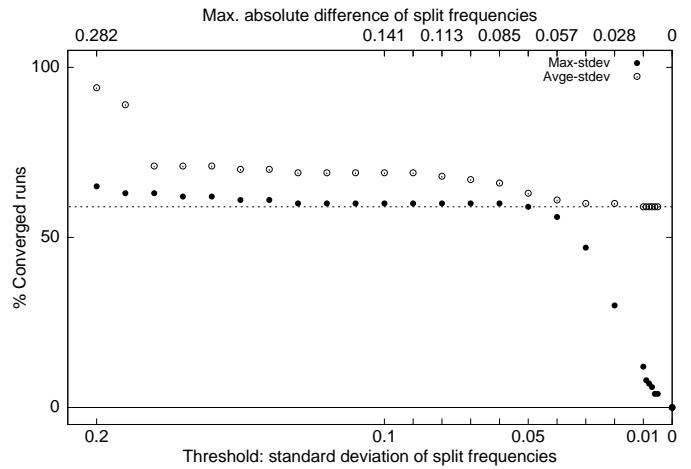
Data Set 2, eSPR II



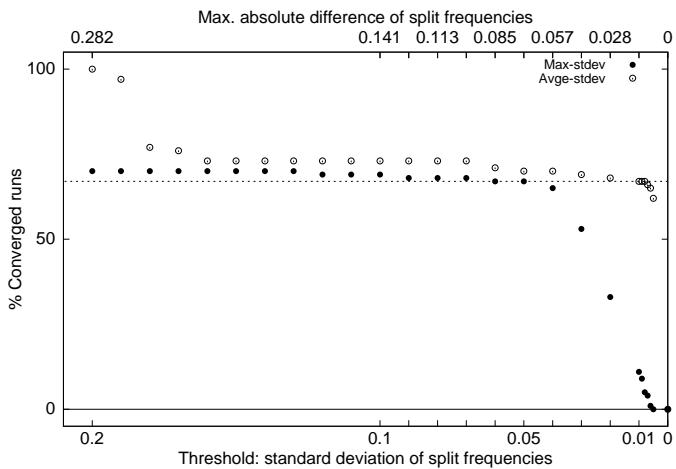
Data Set 2, eSPR III



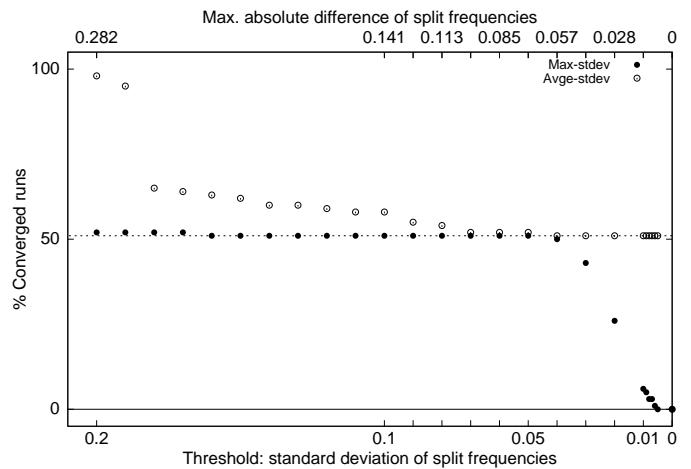
Data Set 2, eSTS I



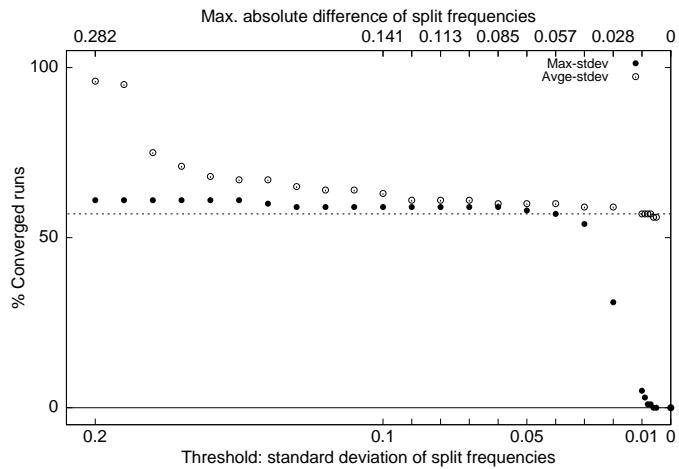
Data Set 2, eSTS II



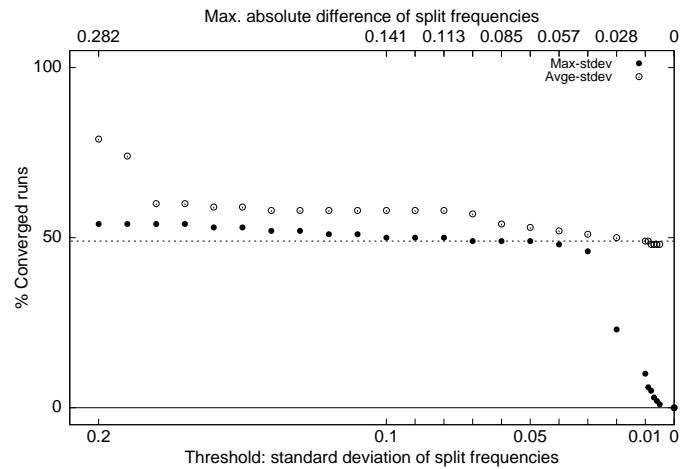
Data Set 2, eSTS III



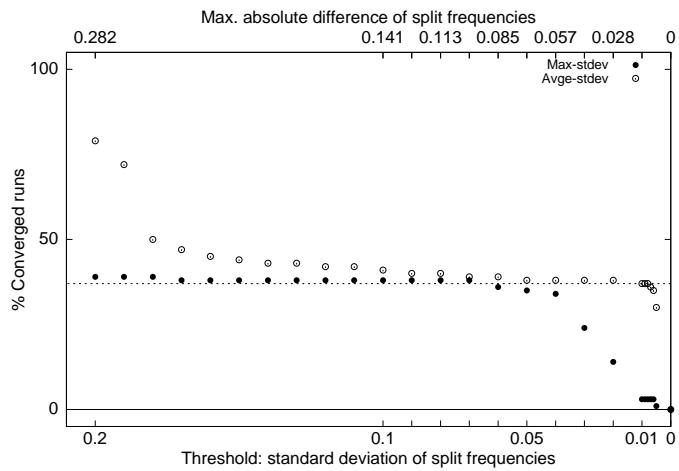
Data Set 2, stNNI I



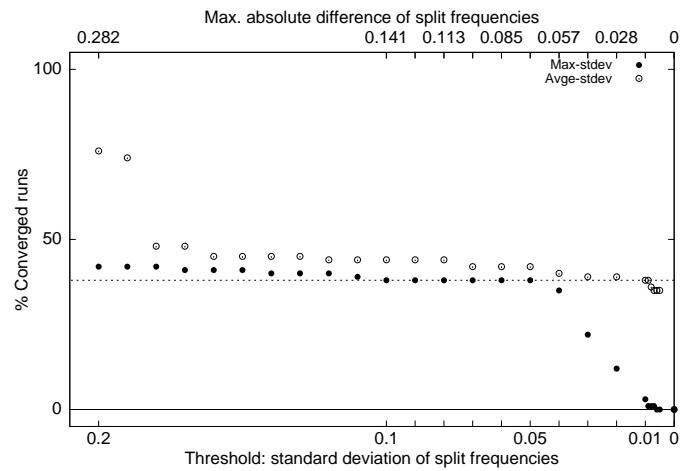
Data Set 2, stNNI II



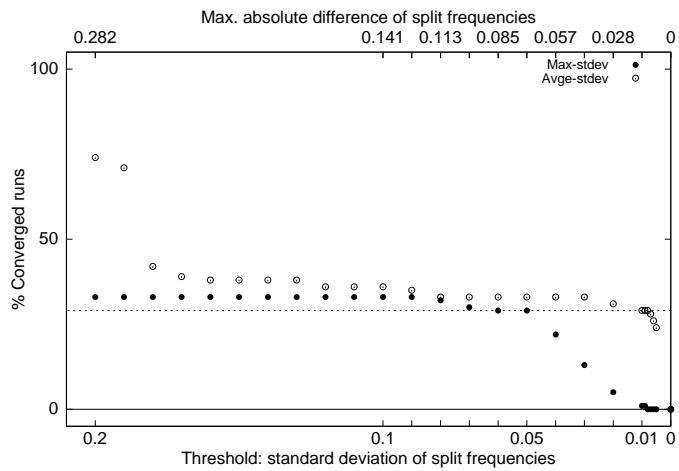
Data Set 2, stNNI III



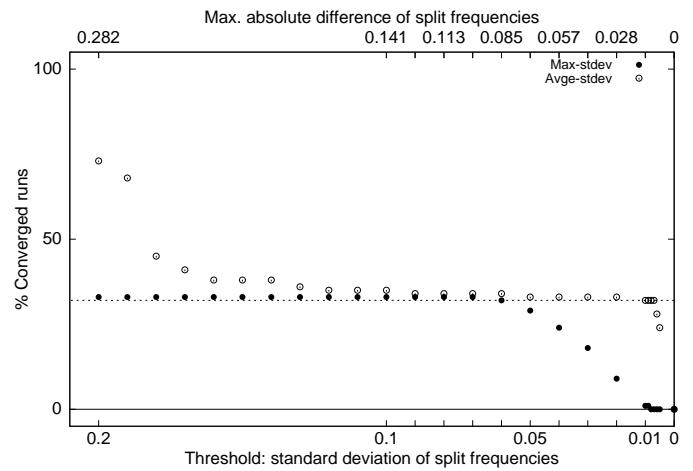
Data Set 2, LOCAL I



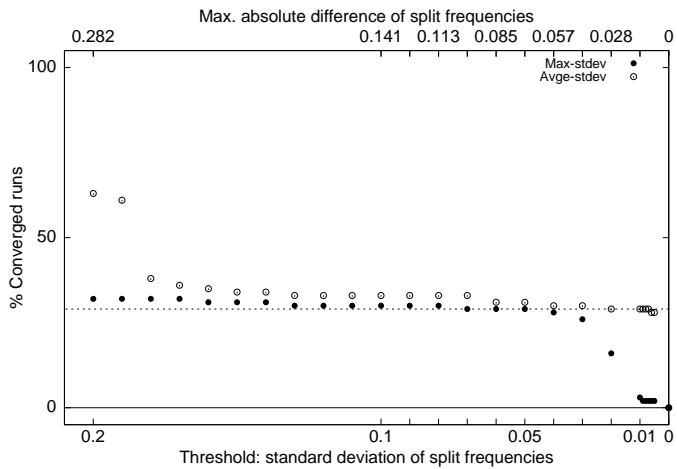
Data Set 2, LOCAL II



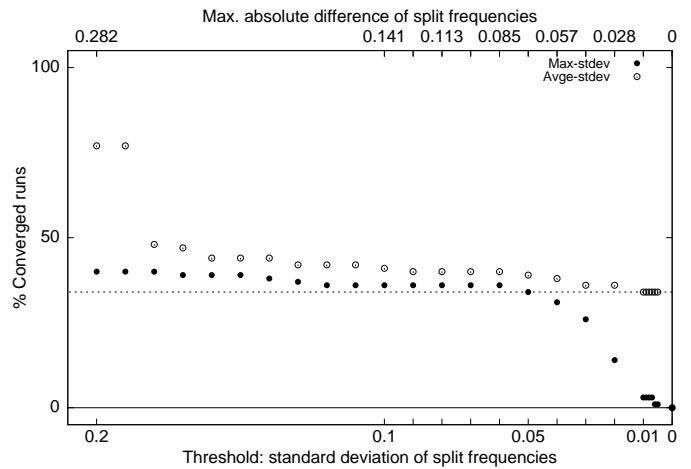
Data Set 2, LOCAL III



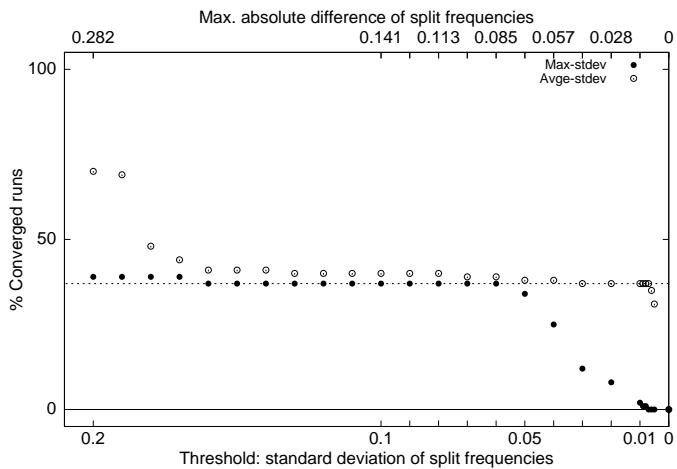
Data Set 2, CC I



Data Set 2, CC II

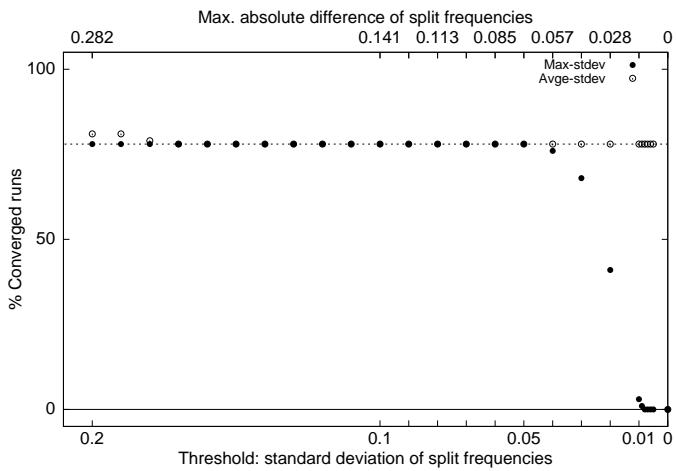


Data Set 2, CC III

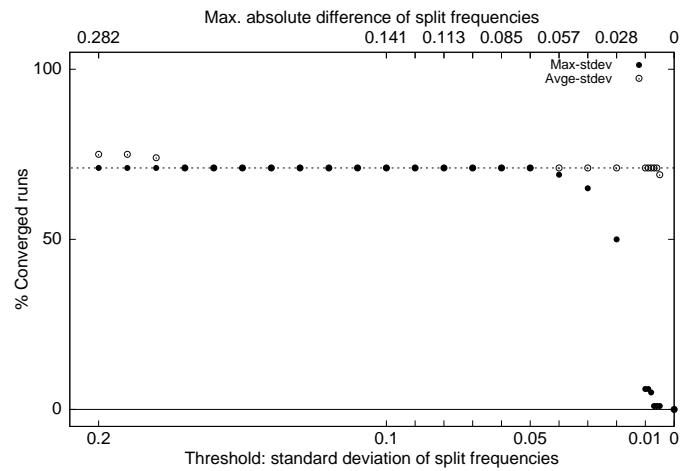


Data set 3

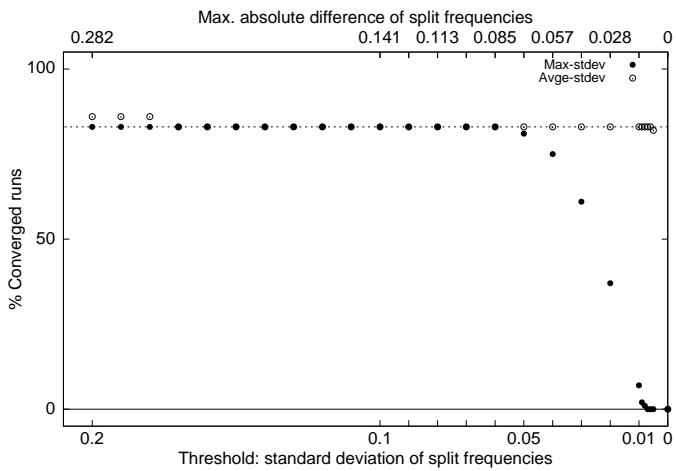
Data Set 3, rSPR I



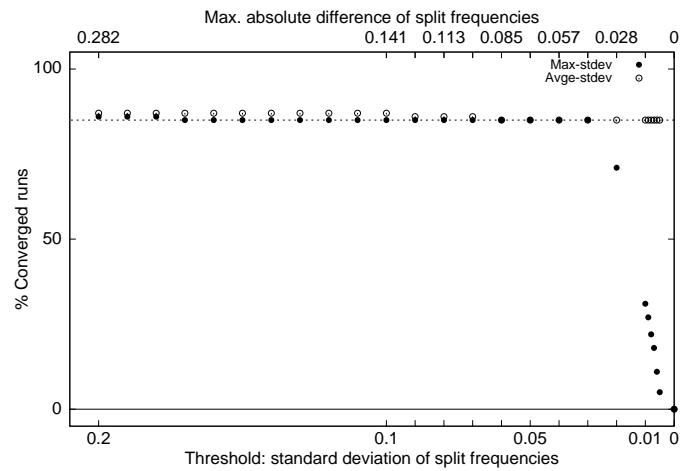
Data Set 3, rSPR II



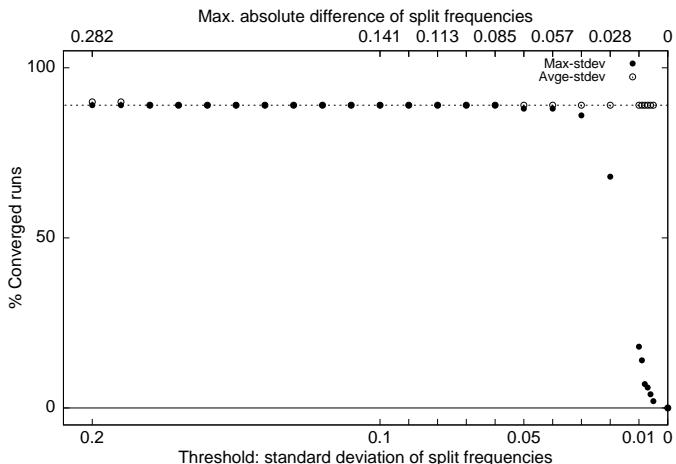
Data Set 3, rSPR III



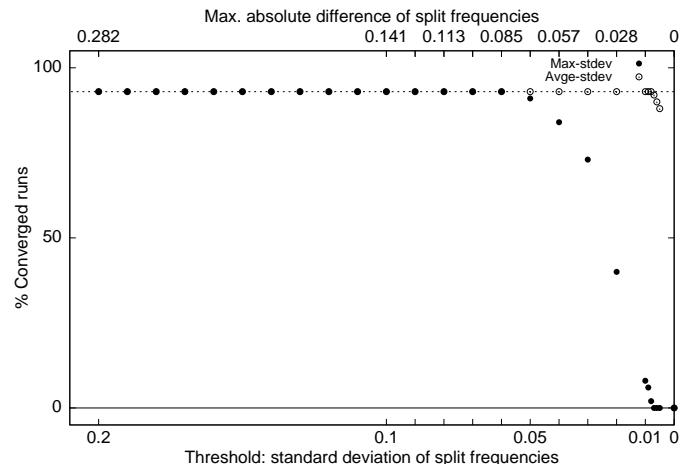
Data Set 3, eTBR I



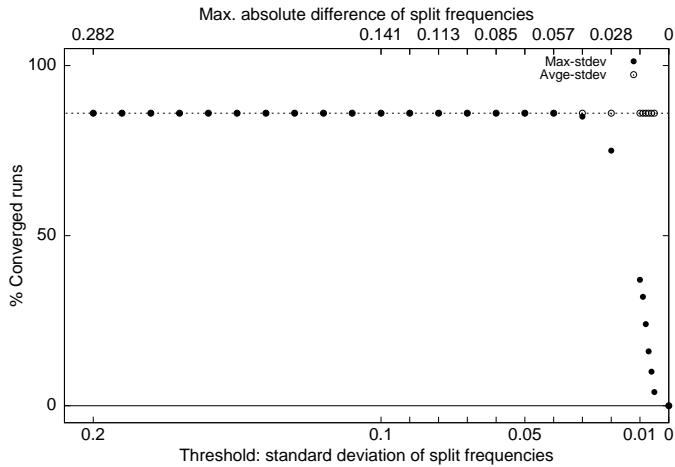
Data Set 3, eTBR II



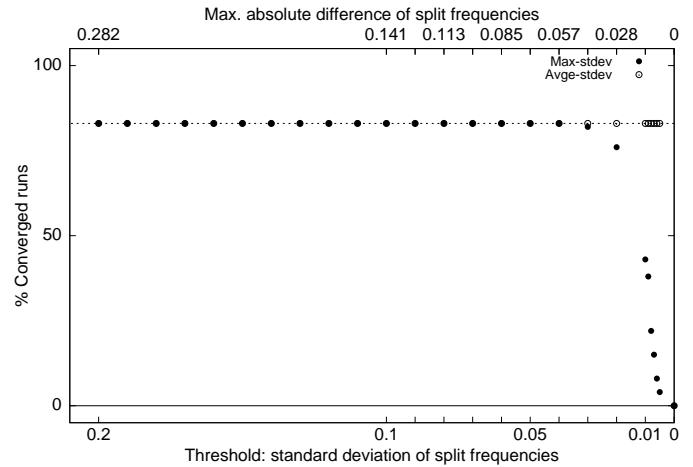
Data Set 3, eTBR III



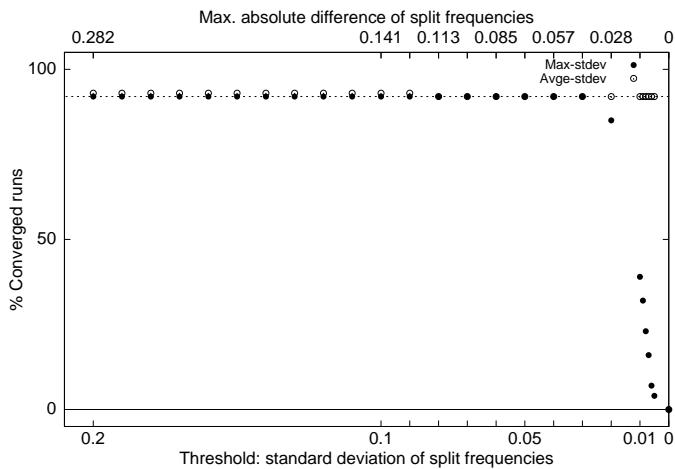
Data Set 3, eSPR I



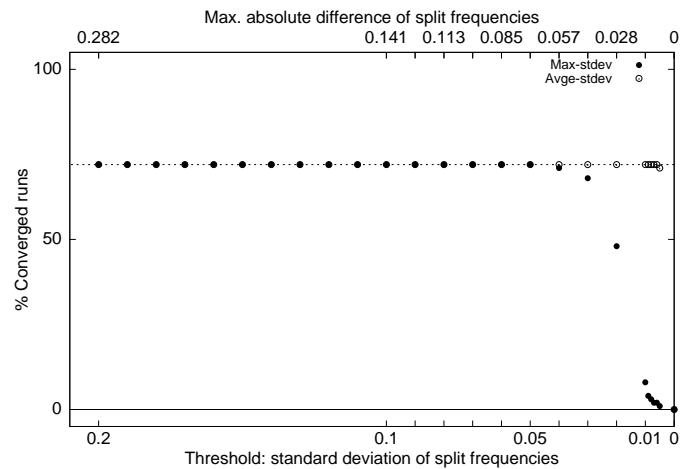
Data Set 3, eSPR II



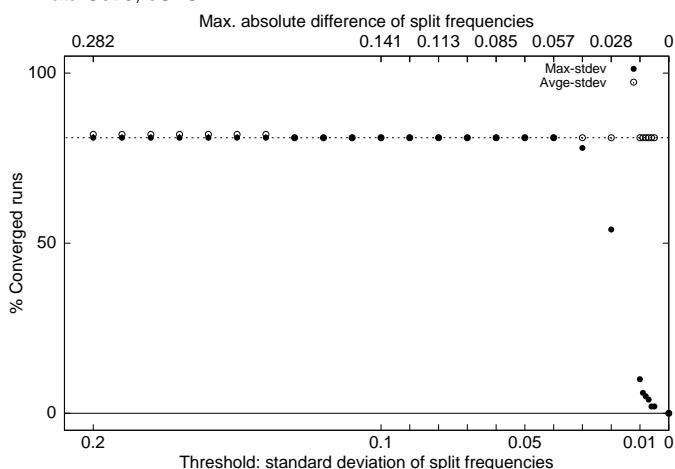
Data Set 3, eSPR III



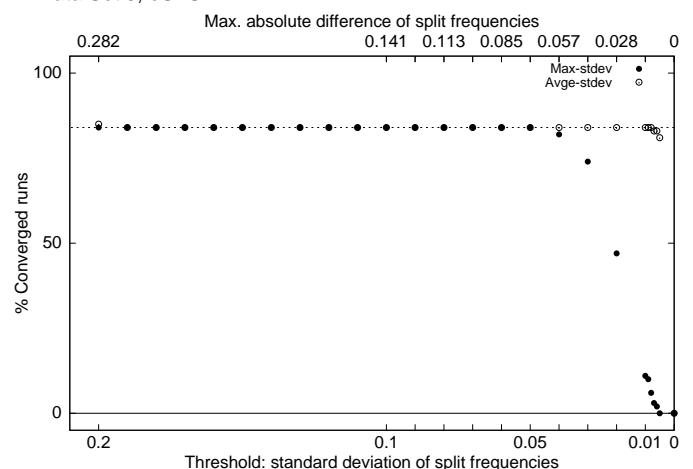
Data Set 3, eSTS I



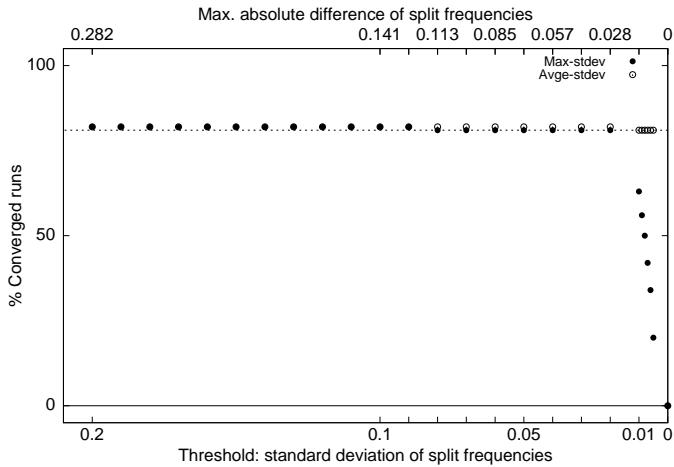
Data Set 3, eSTS II



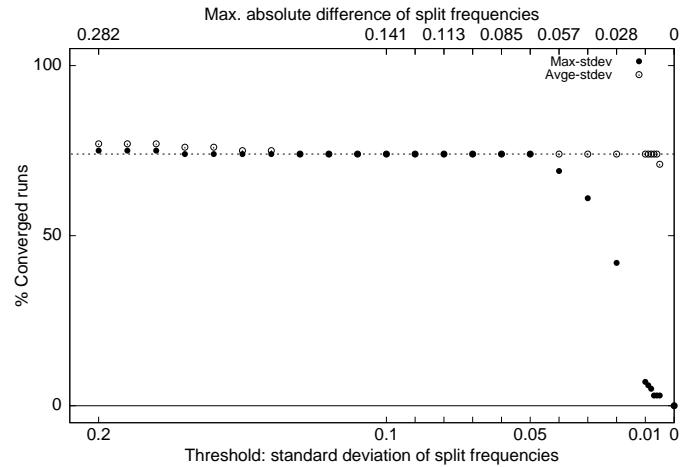
Data Set 3, eSTS III



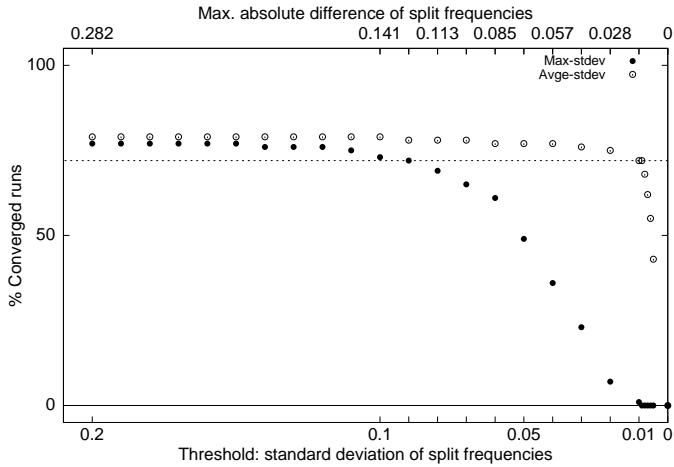
Data Set 3, stNNI I



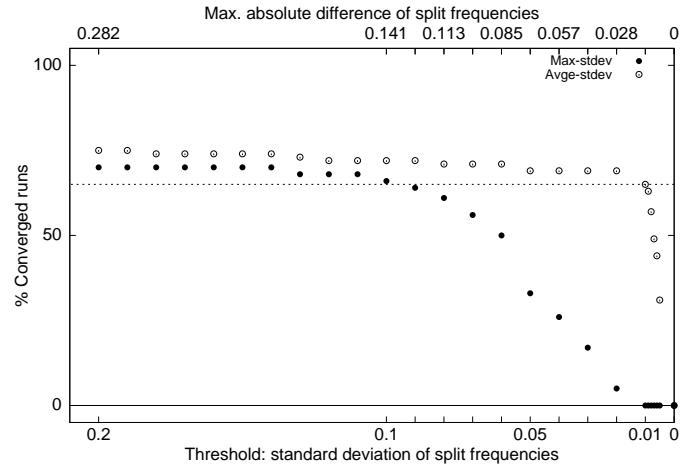
Data Set 3, stNNI II



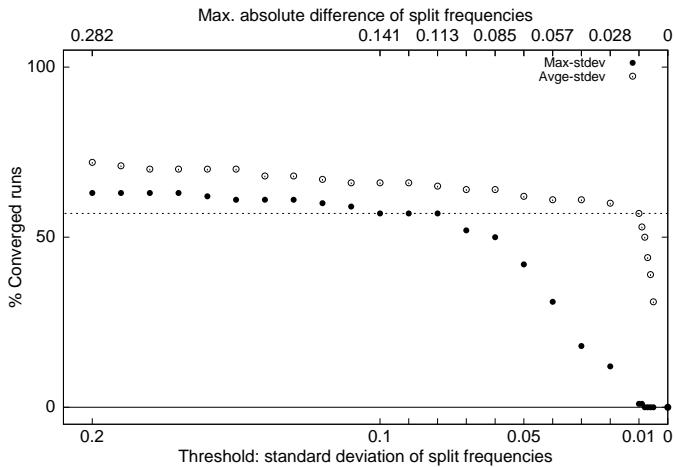
Data Set 3, stNNI III



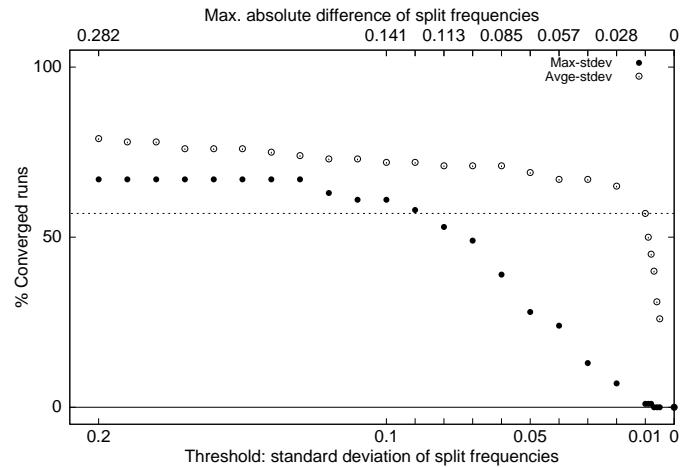
Data Set 3, LOCAL I



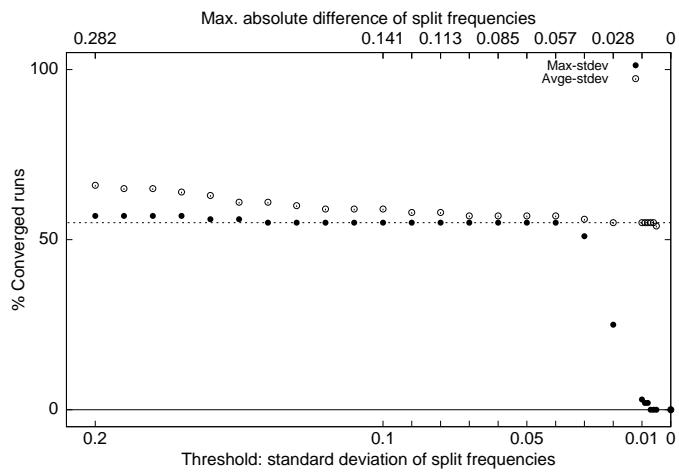
Data Set 3, LOCAL II



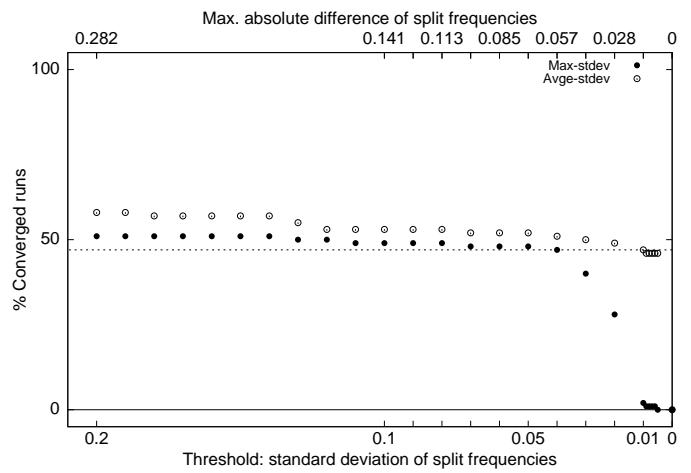
Data Set 3, LOCAL III



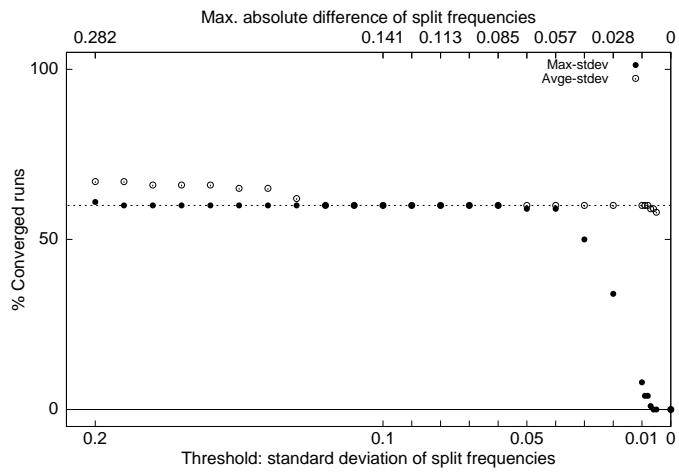
Data Set 3, CC I



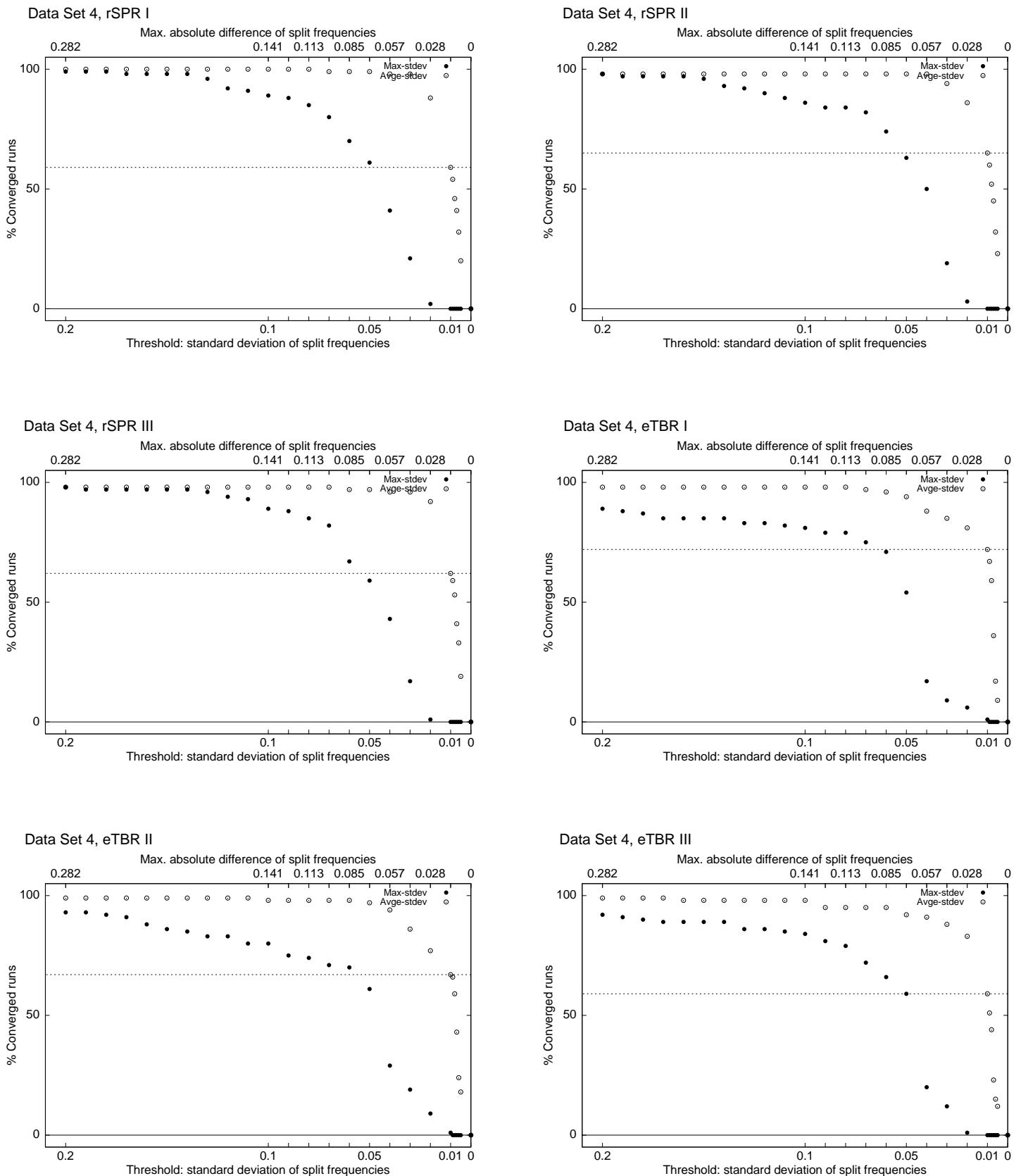
Data Set 3, CC II



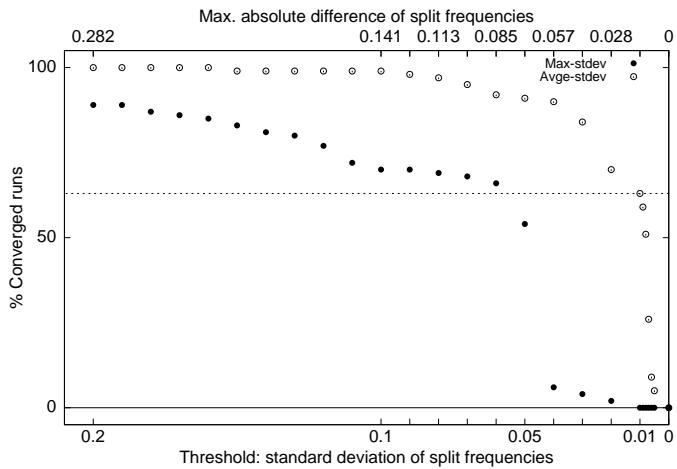
Data Set 3, CC III



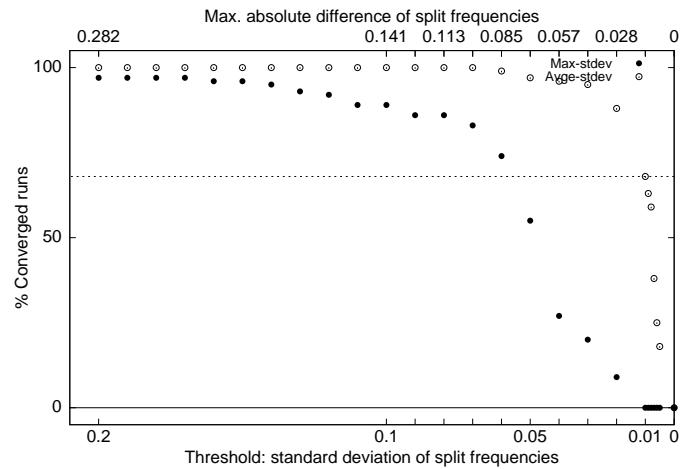
Data set 4



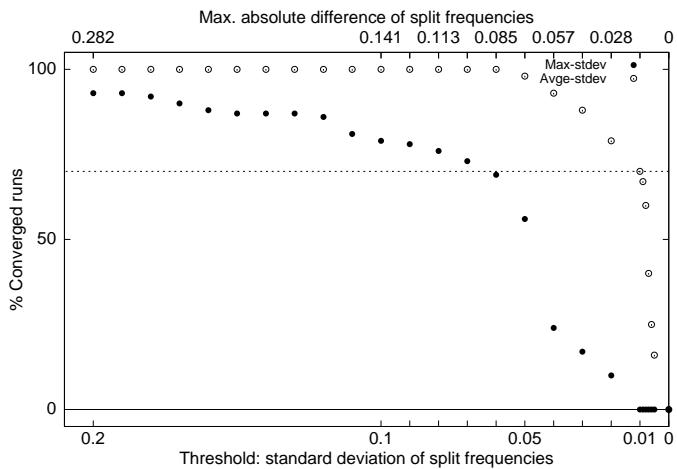
Data Set 4, eSPR I



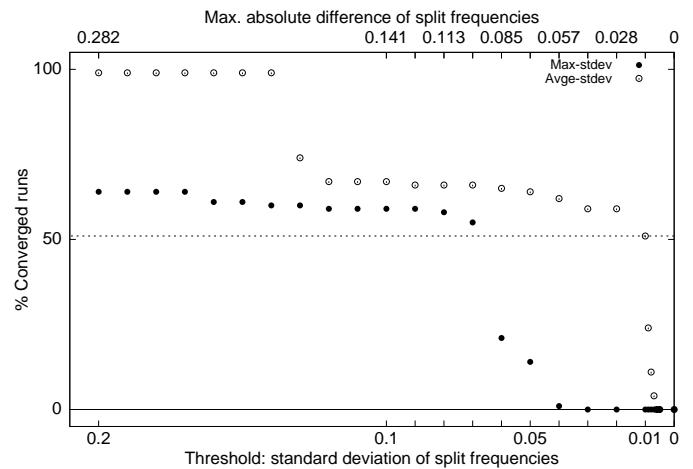
Data Set 4, eSPR II



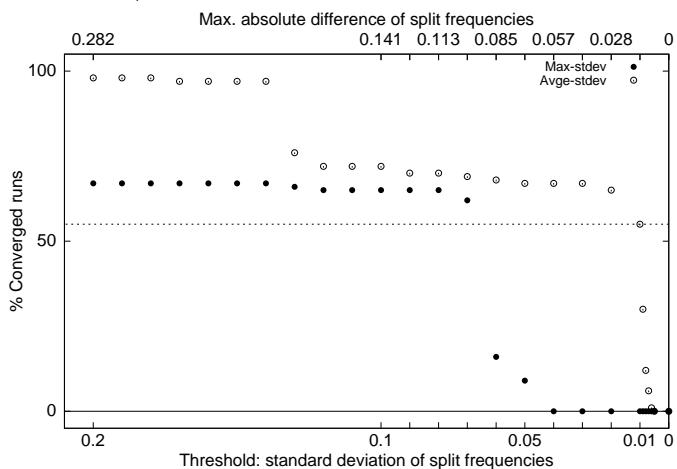
Data Set 4, eSPR III



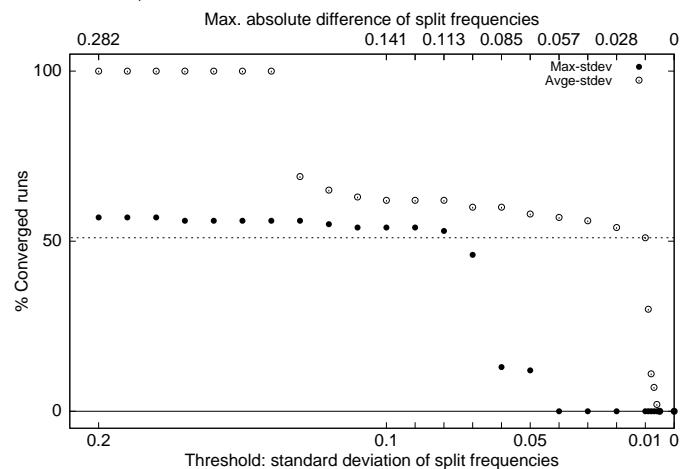
Data Set 4, eSTS I



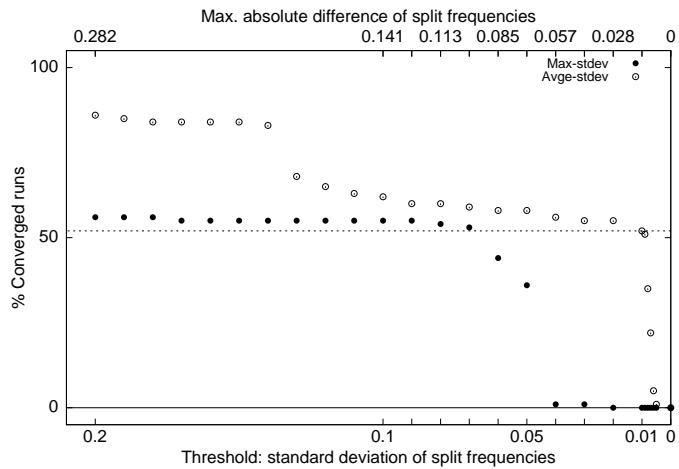
Data Set 4, eSTS II



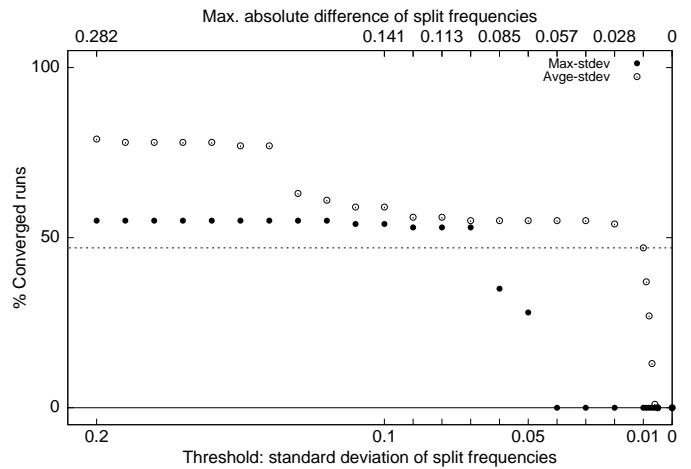
Data Set 4, eSTS III



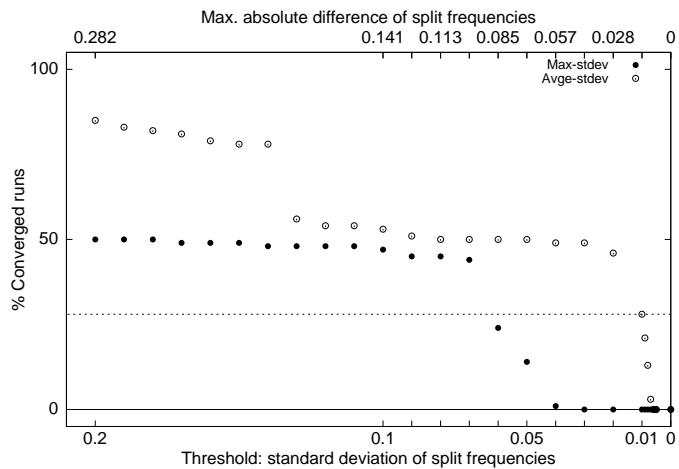
Data Set 4, stNNI I



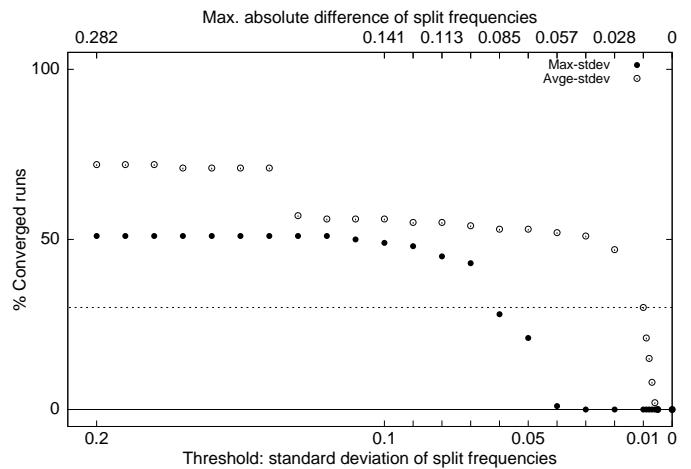
Data Set 4, stNNI II



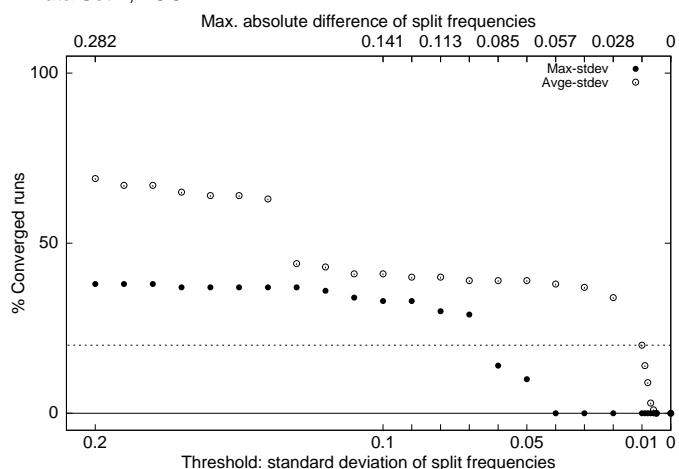
Data Set 4, stNNI III



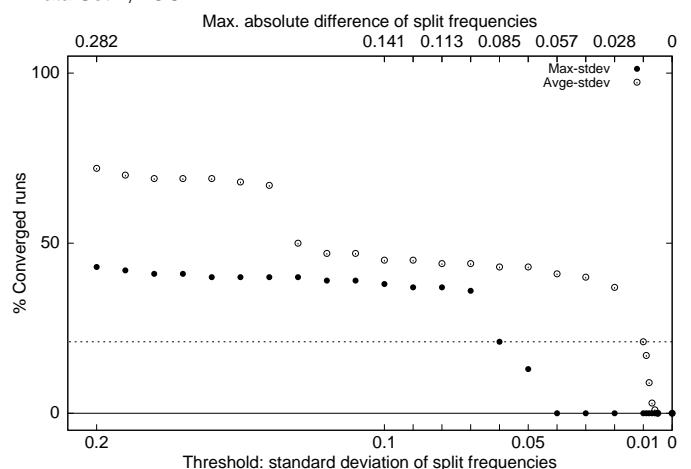
Data Set 4, LOCAL I



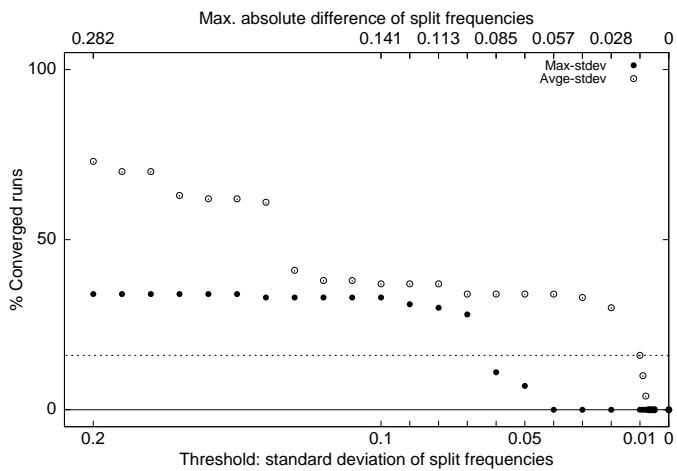
Data Set 4, LOCAL II



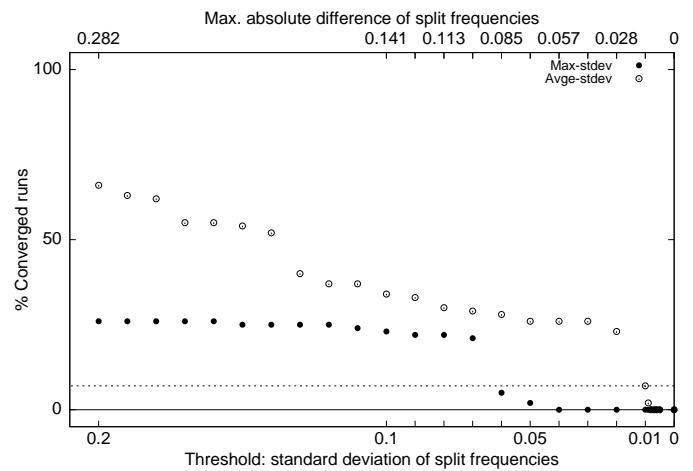
Data Set 4, LOCAL III



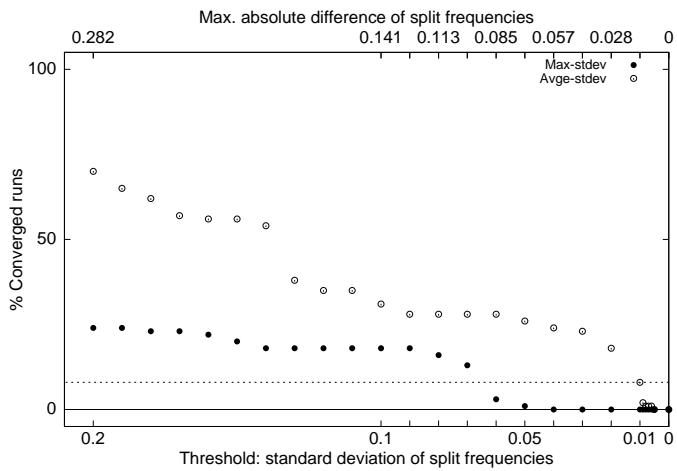
Data Set 4, CC I



Data Set 4, CC II

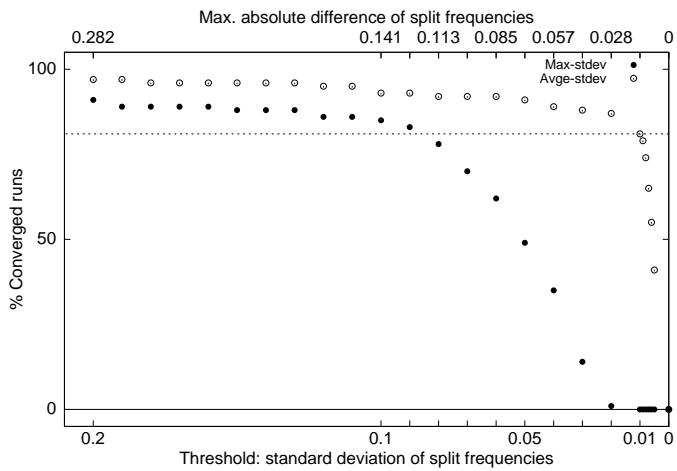


Data Set 4, CC III

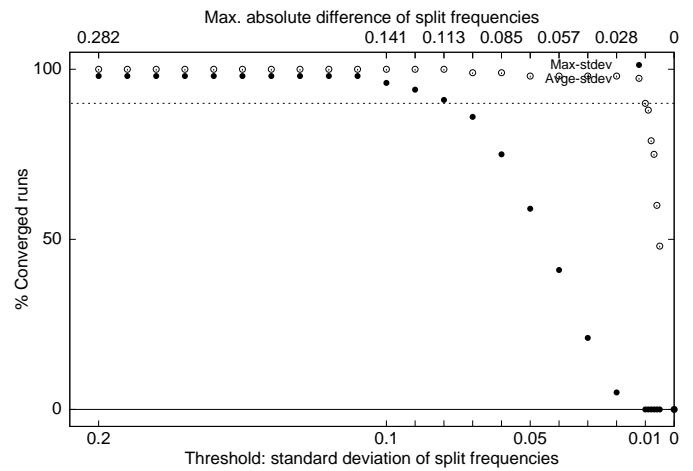


Data set 5

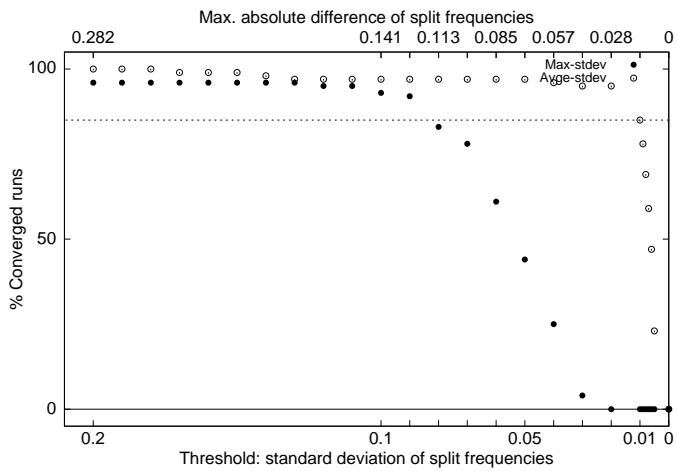
Data Set 5, rSPR I



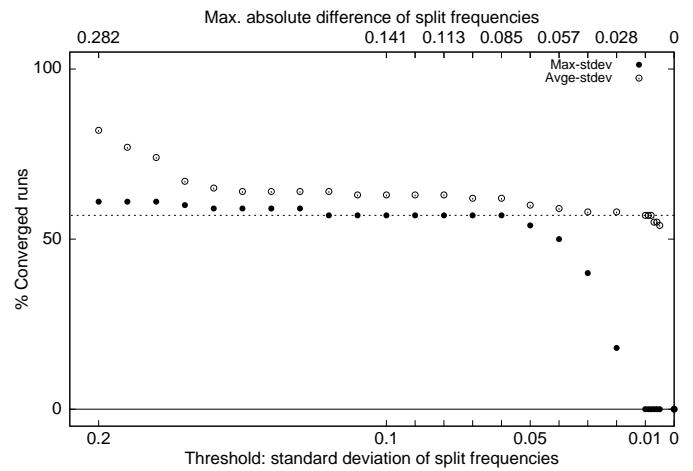
Data Set 5, rSPR II



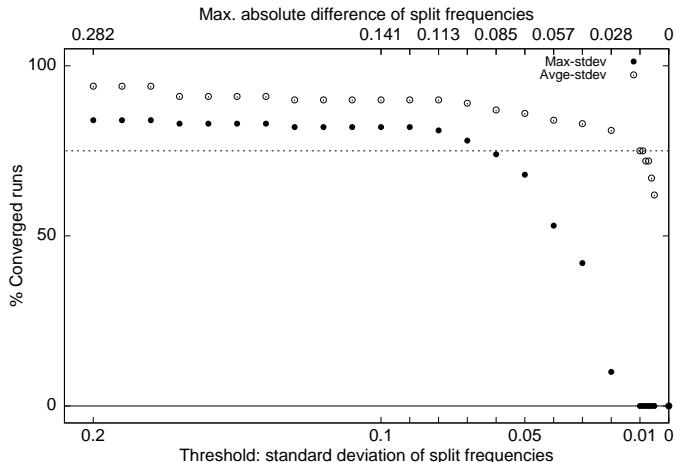
Data Set 5, rSPR III



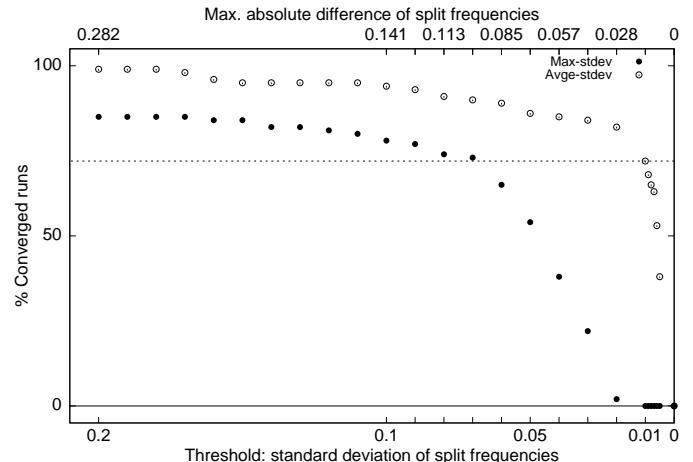
Data Set 5, eTBR I



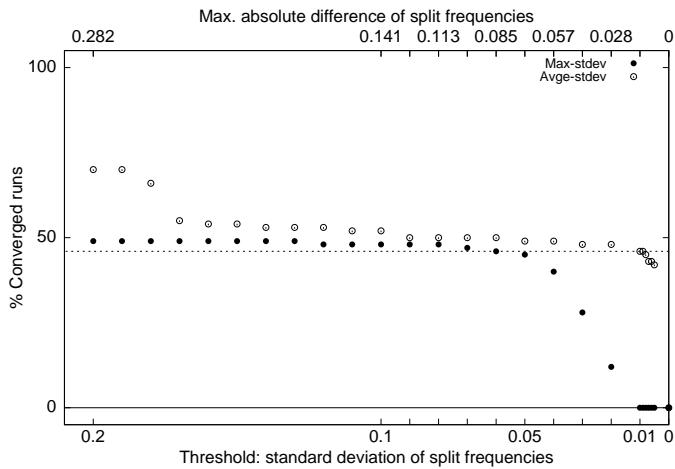
Data Set 5, eTBR II



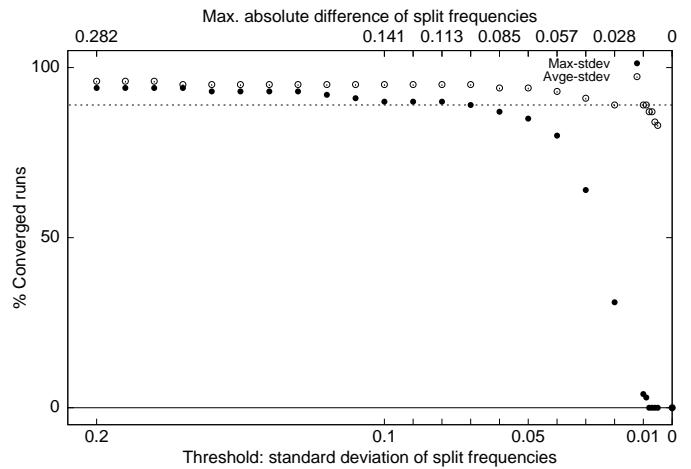
Data Set 5, eTBR III



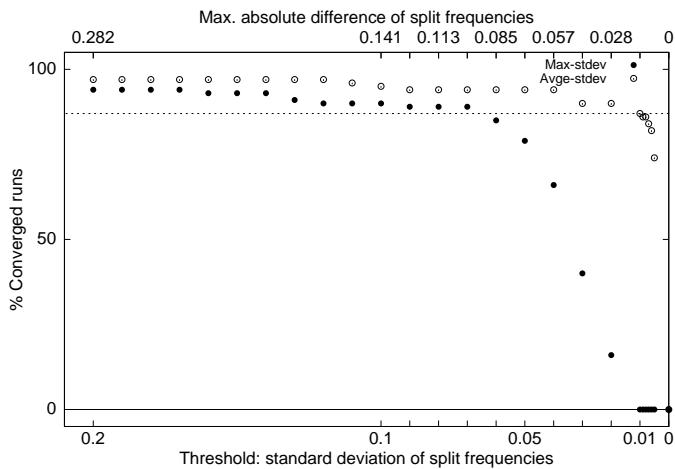
Data Set 5, eSPR I



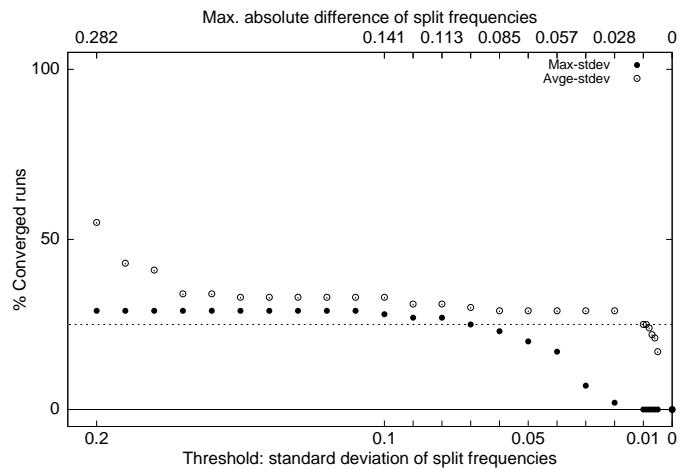
Data Set 5, eSPR II



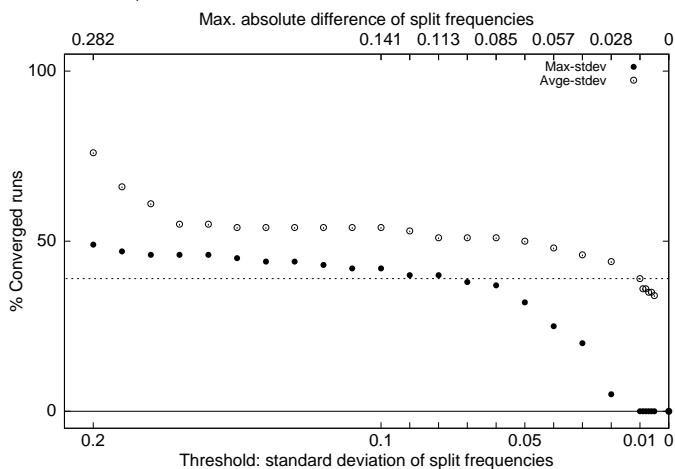
Data Set 5, eSPR III



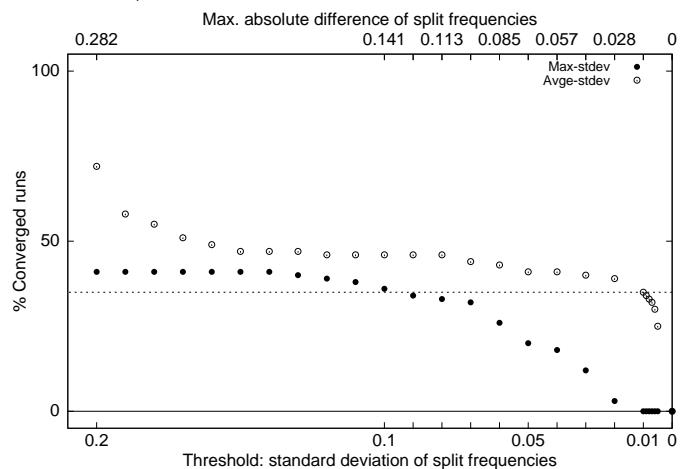
Data Set 5, eSTS I



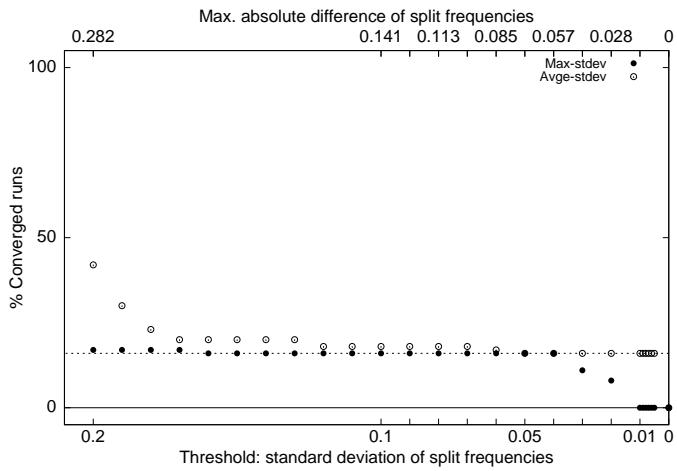
Data Set 5, eSTS II



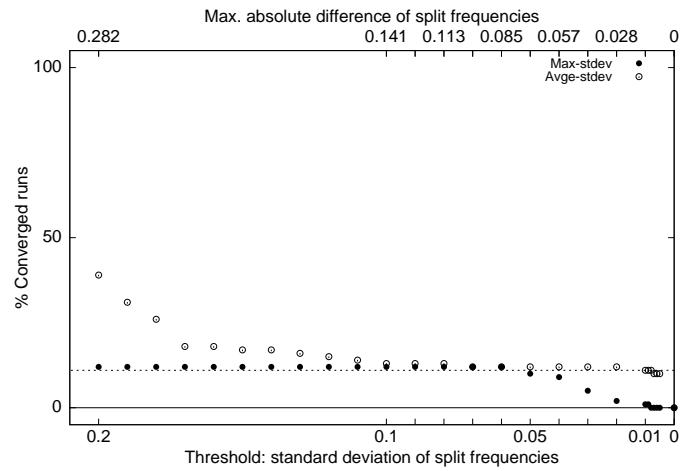
Data Set 5, eSTS III



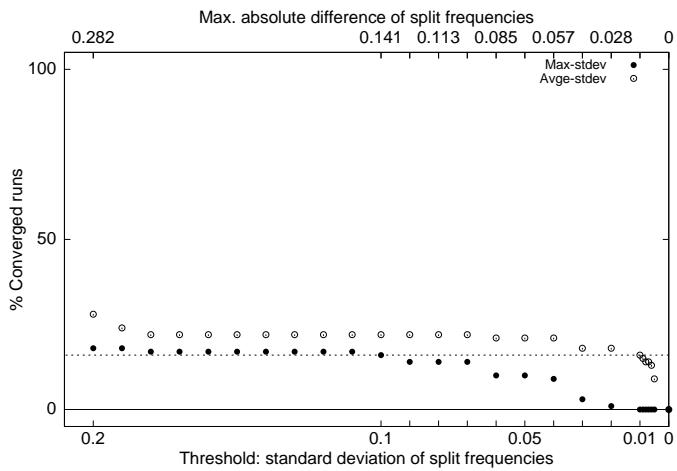
Data Set 5, stNNI I



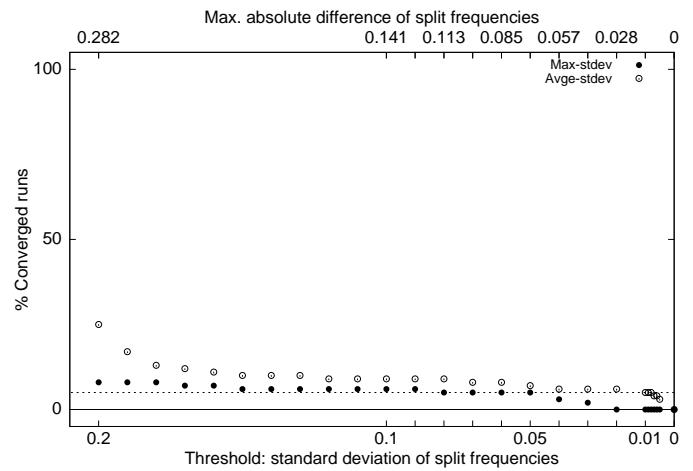
Data Set 5, stNNI II



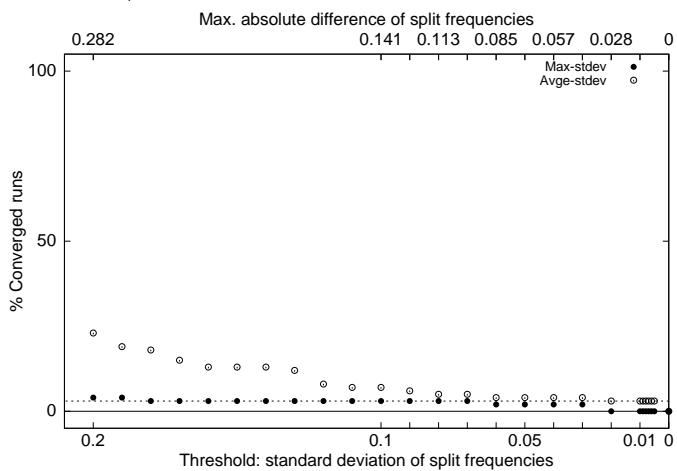
Data Set 5, stNNI III



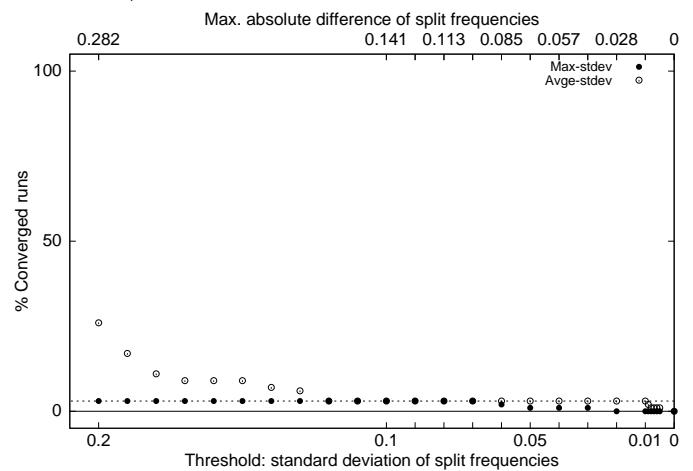
Data Set 5, LOCAL I



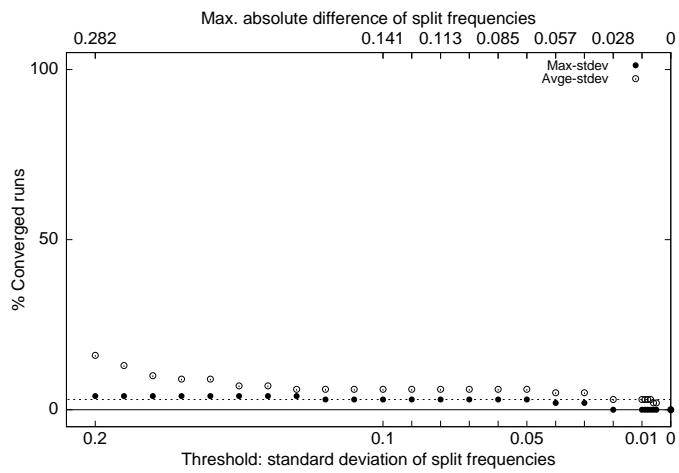
Data Set 5, LOCAL II



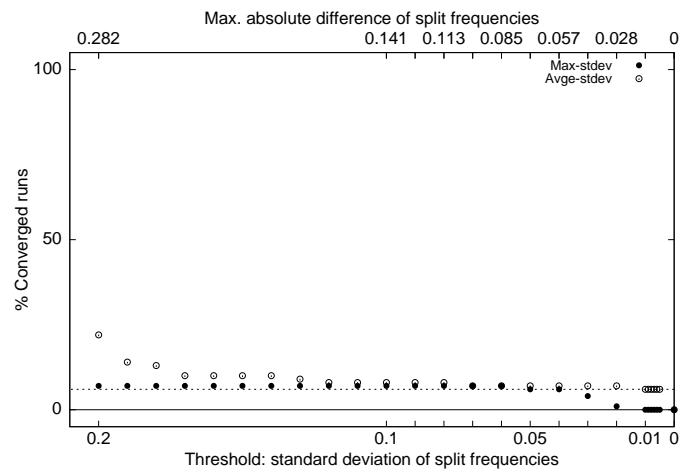
Data Set 5, LOCAL III



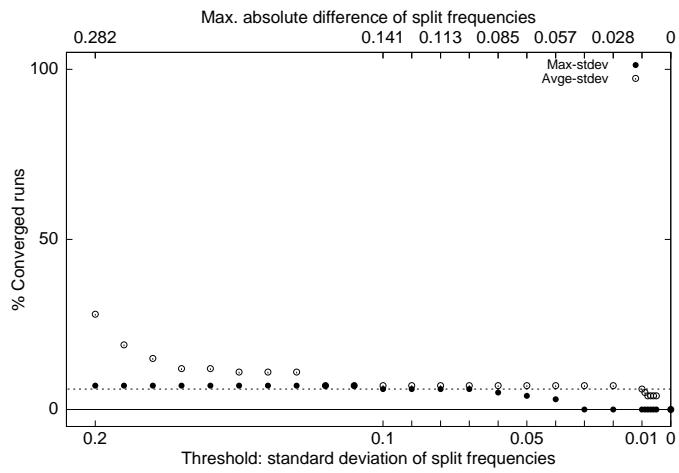
Data Set 5, CC I



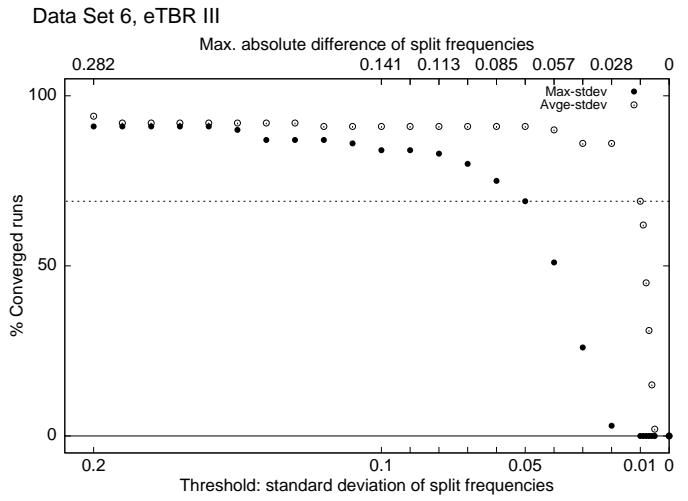
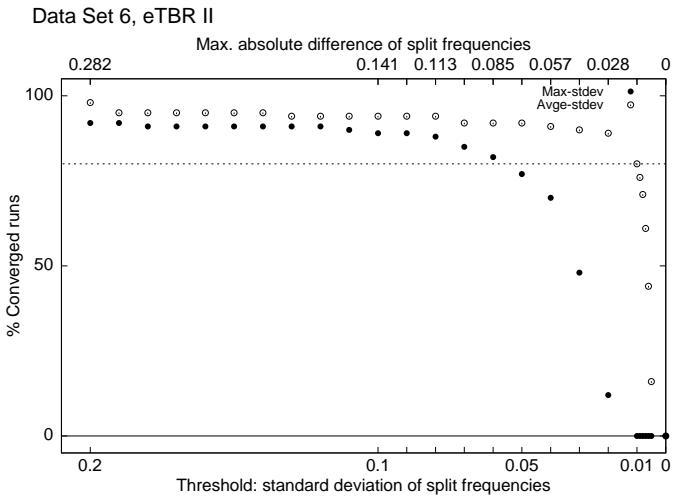
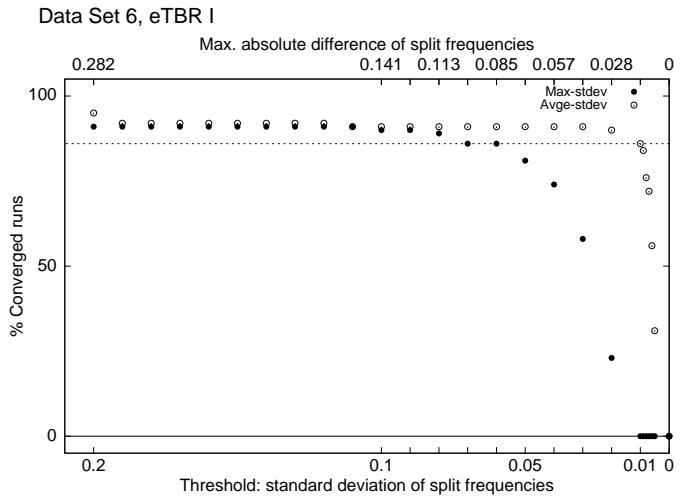
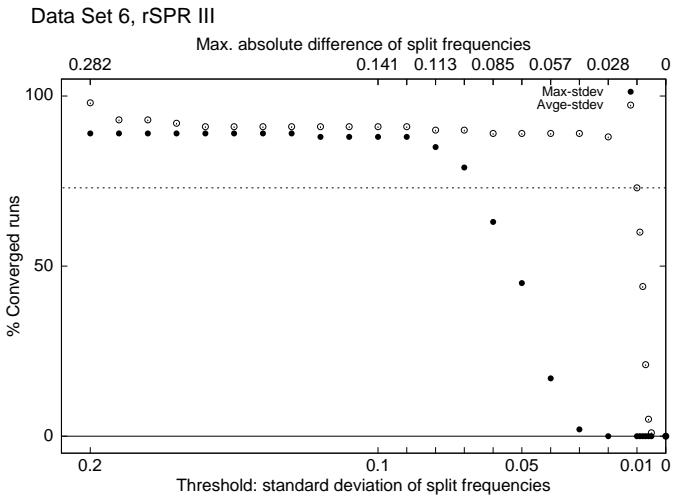
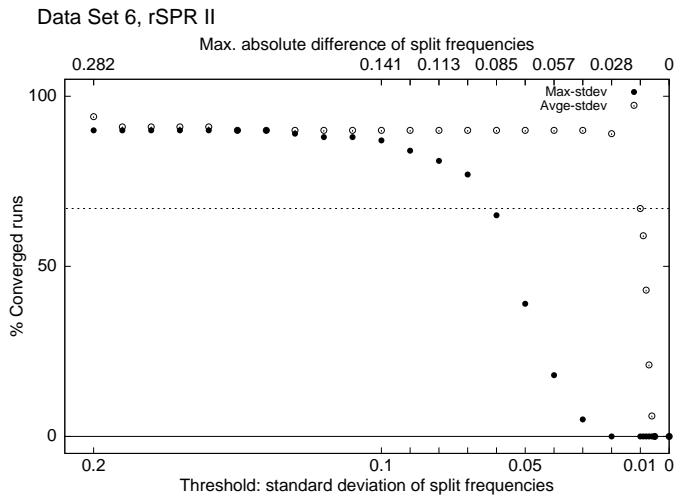
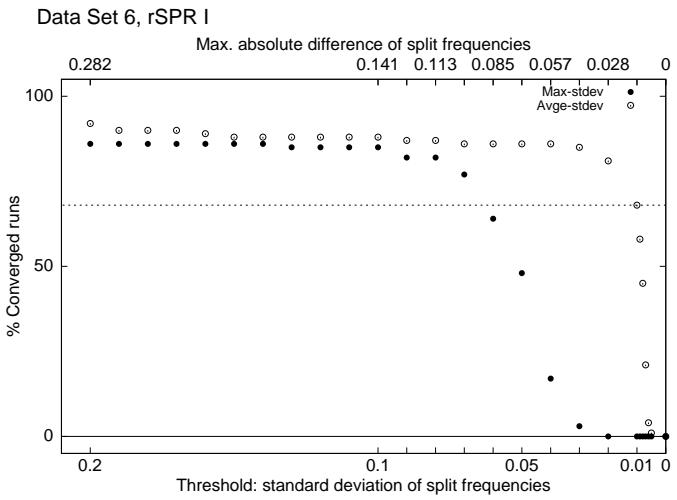
Data Set 5, CC II



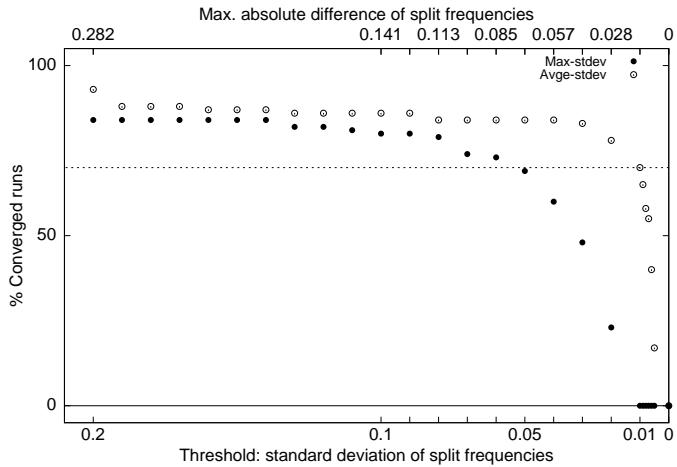
Data Set 5, CC III



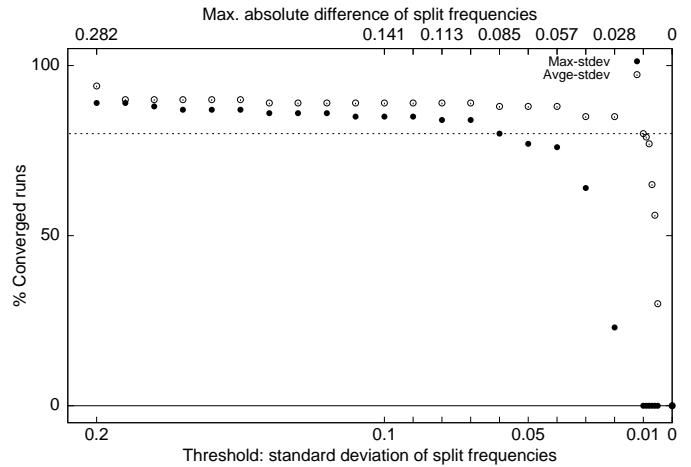
Data set 6



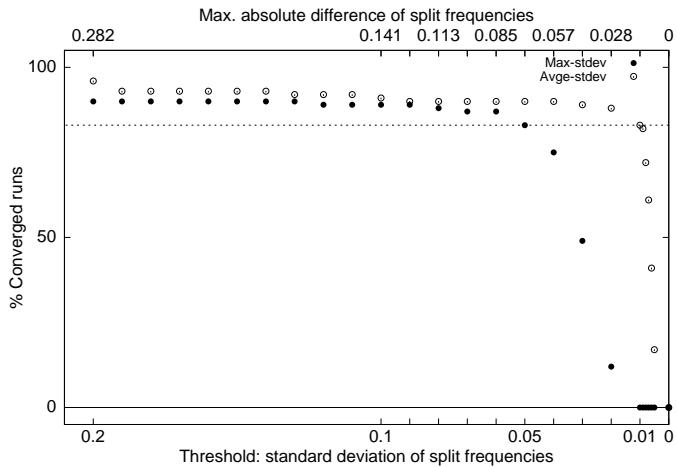
Data Set 6, eSPR I



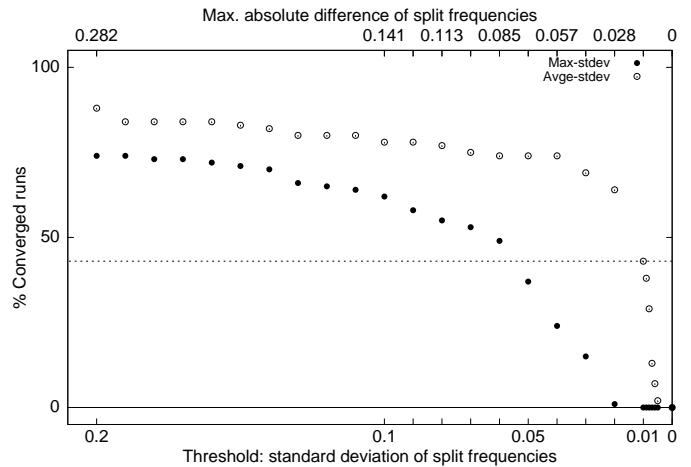
Data Set 6, eSPR II



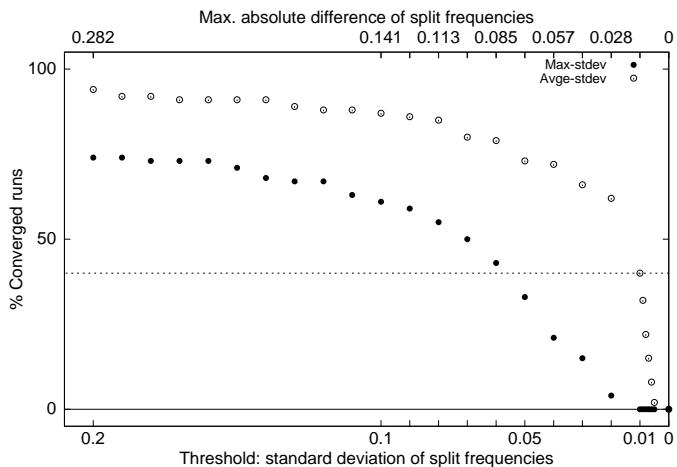
Data Set 6, eSPR III



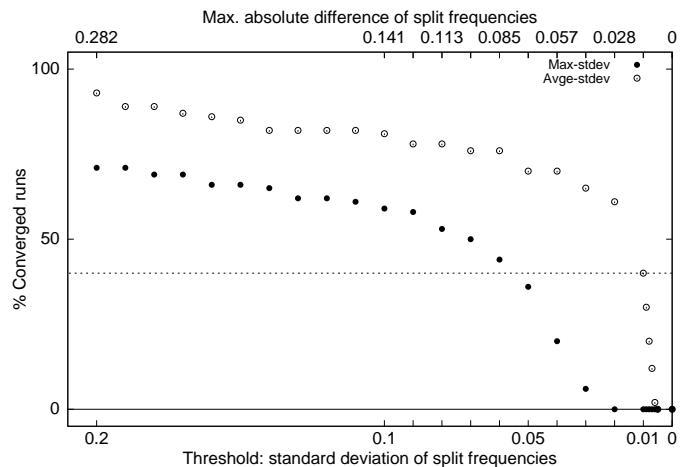
Data Set 6, eSTS I



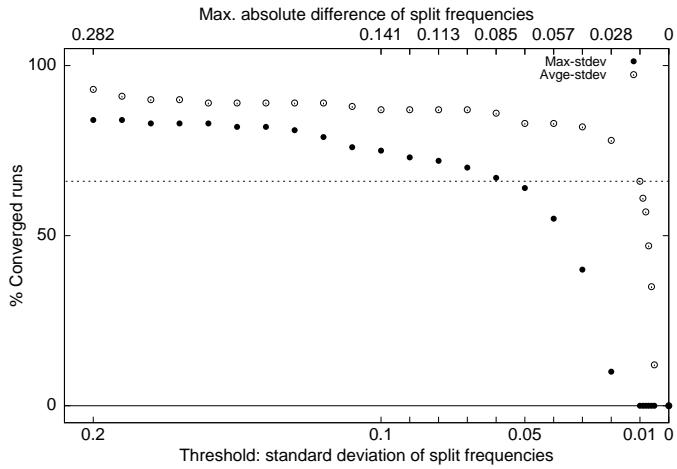
Data Set 6, eSTS II



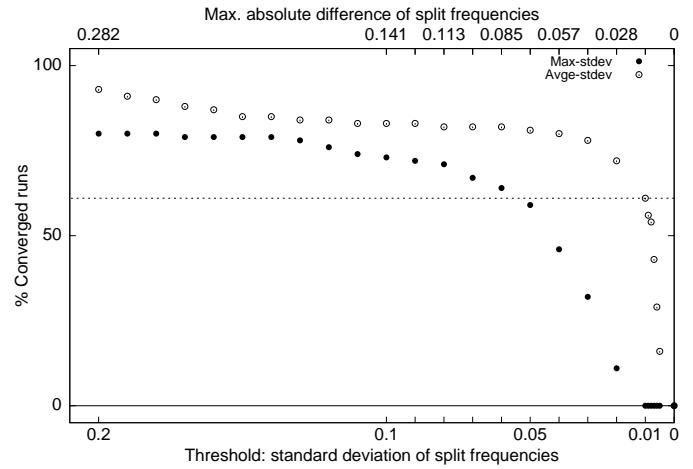
Data Set 6, eSTS III



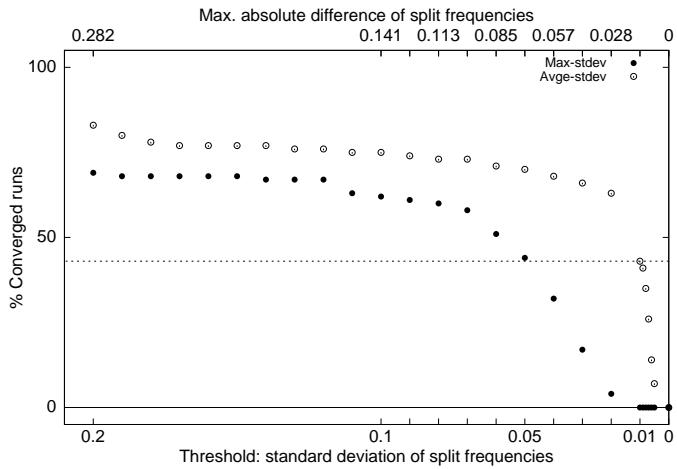
Data Set 6, stNNI I



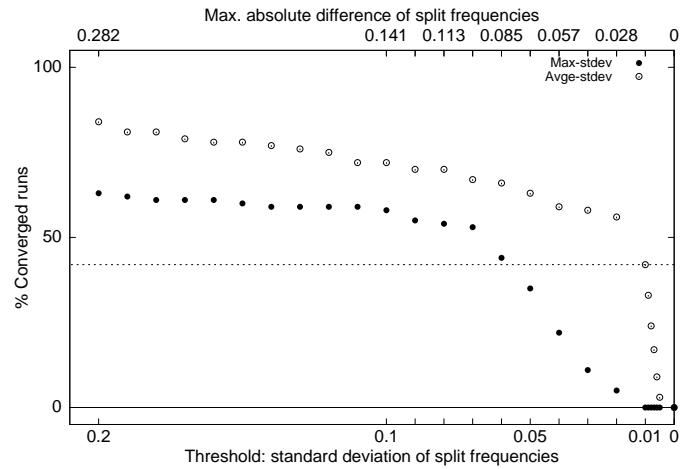
Data Set 6, stNNI II



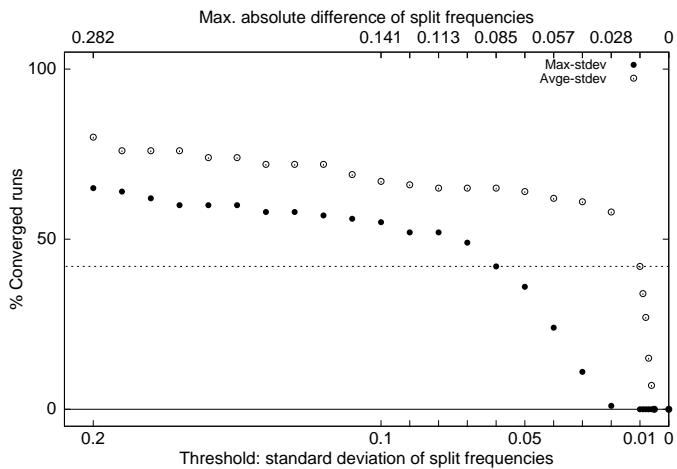
Data Set 6, stNNI III



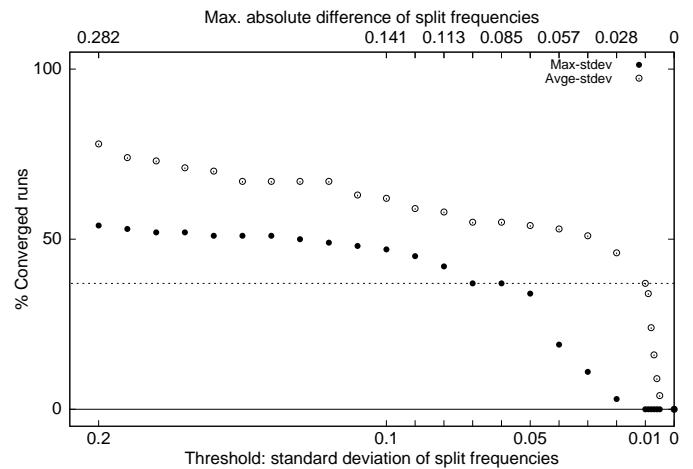
Data Set 6, LOCAL I



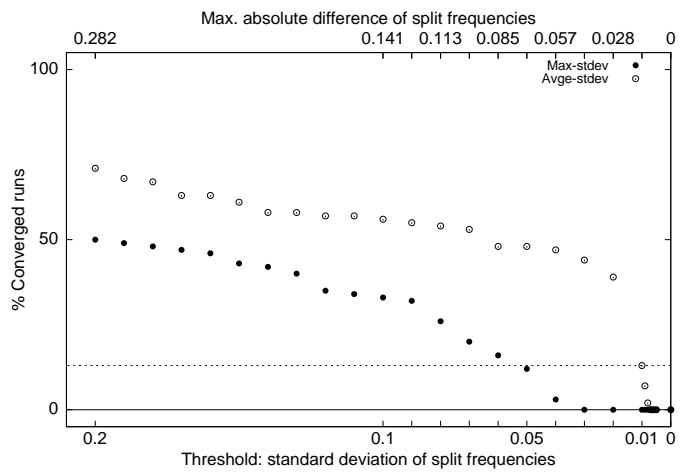
Data Set 6, LOCAL II



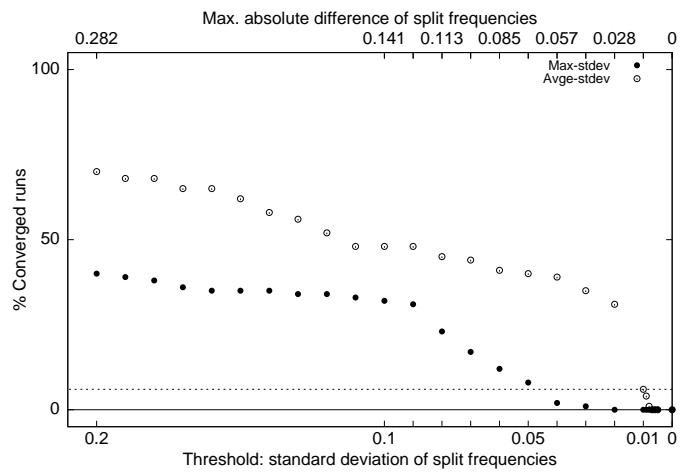
Data Set 6, LOCAL III



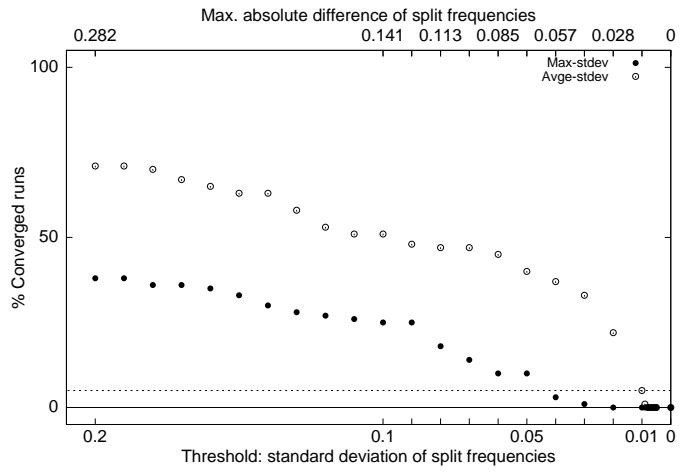
Data Set 6, CC I



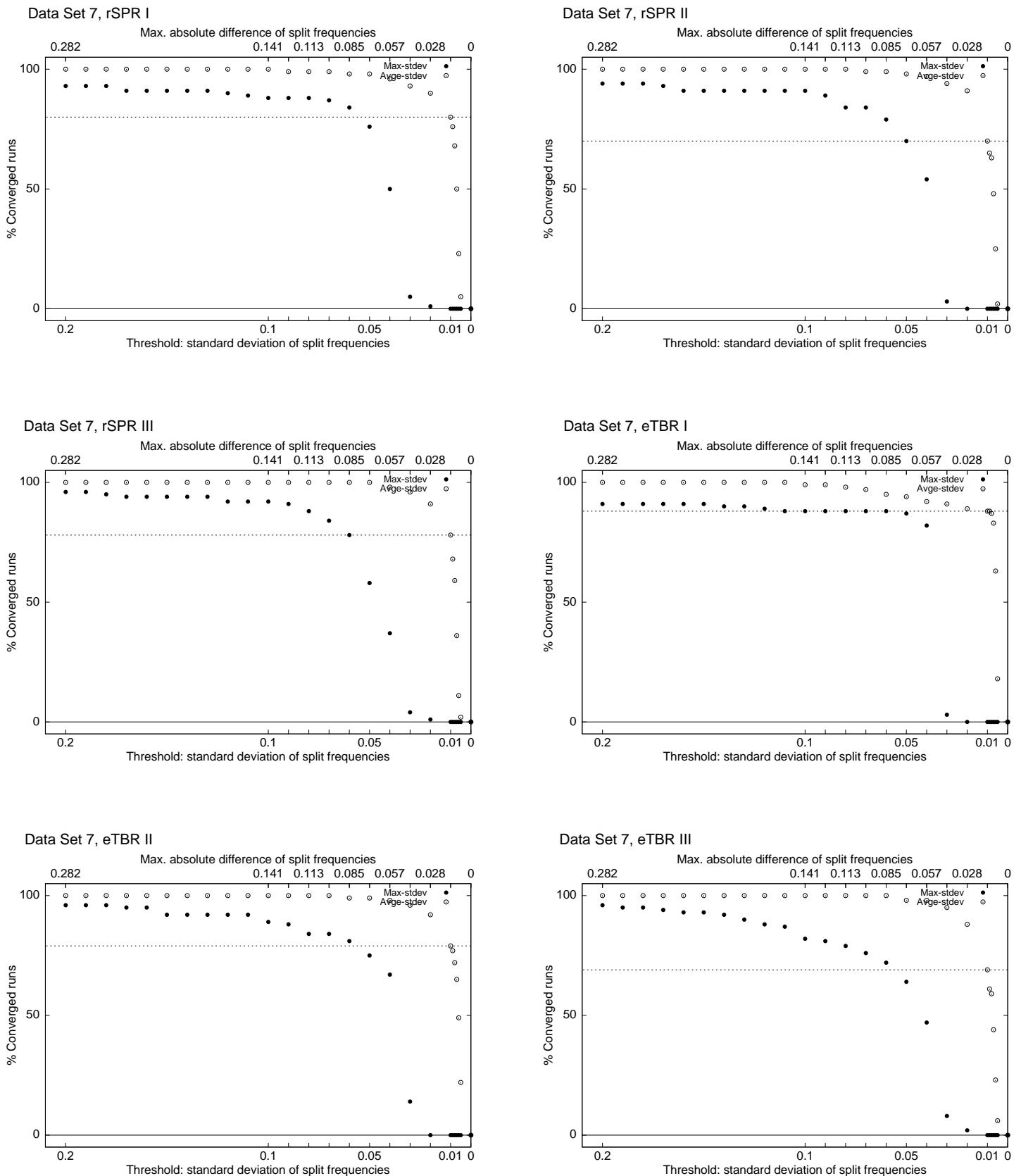
Data Set 6, CC II



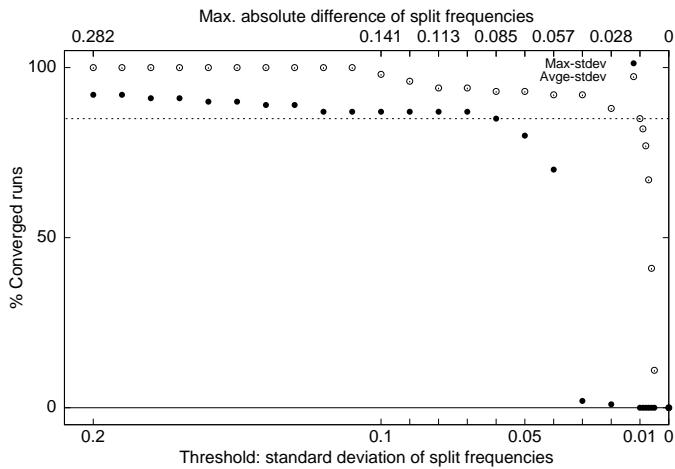
Data Set 6, CC III



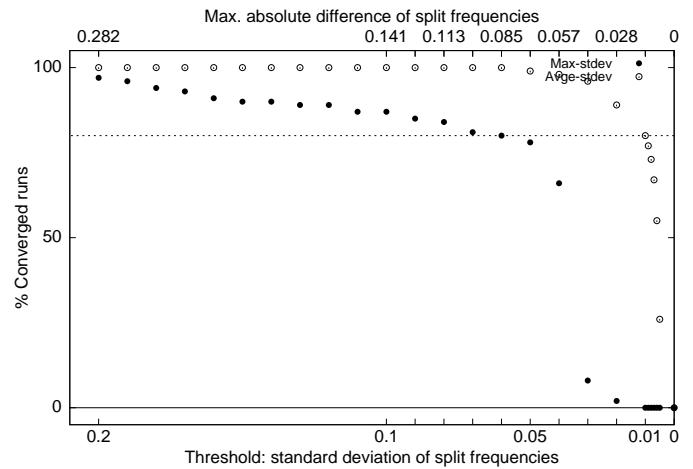
Data set 7



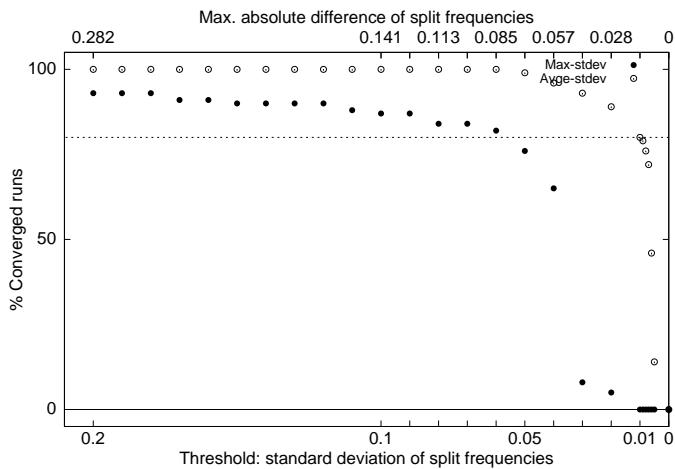
Data Set 7, eSPR I



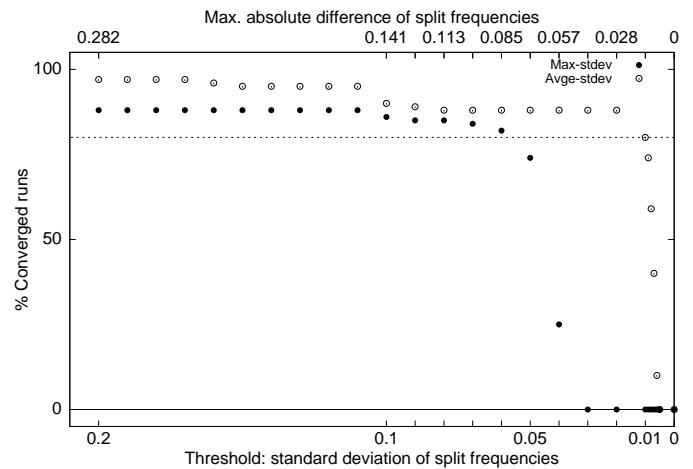
Data Set 7, eSPR II



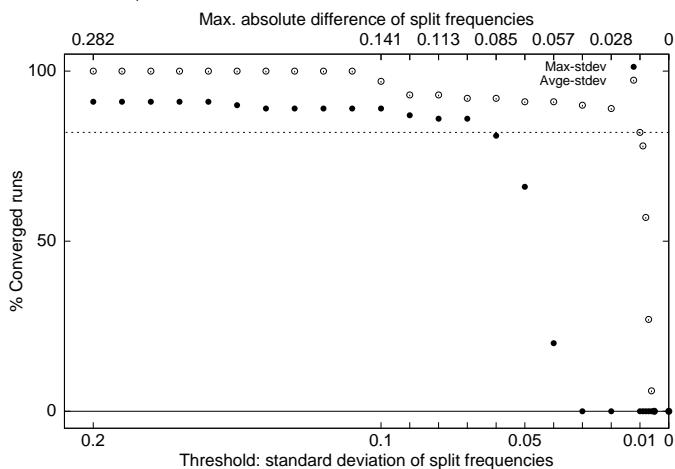
Data Set 7, eSPR III



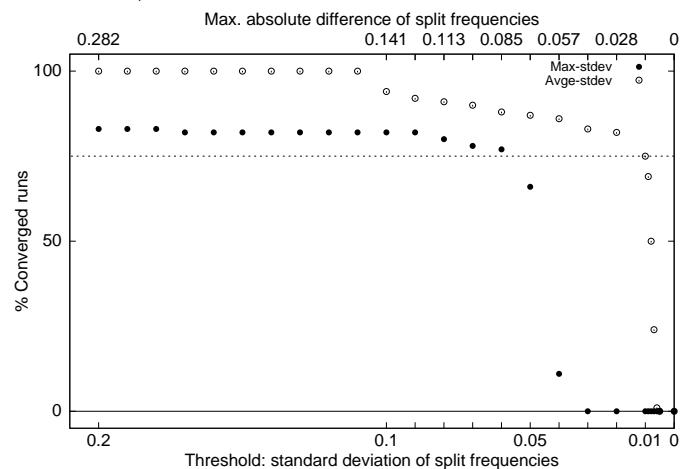
Data Set 7, eSTS I



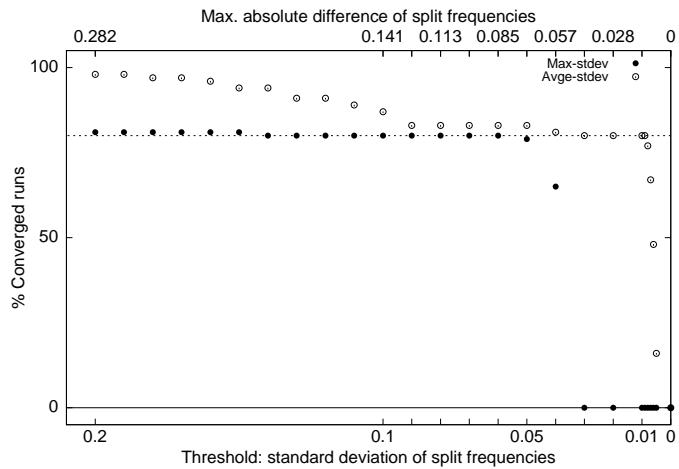
Data Set 7, eSTS II



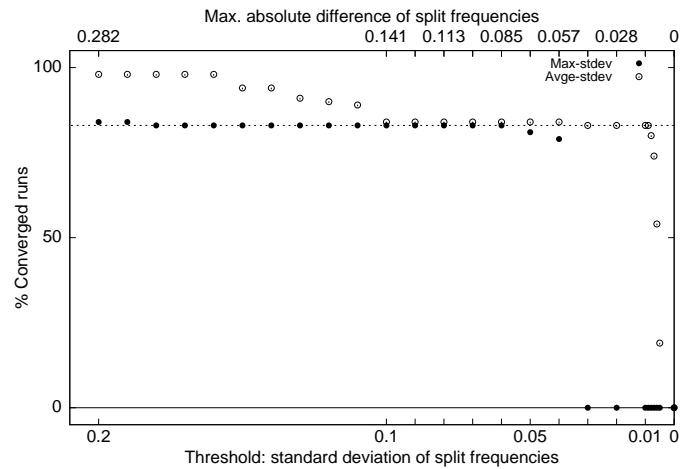
Data Set 7, eSTS III



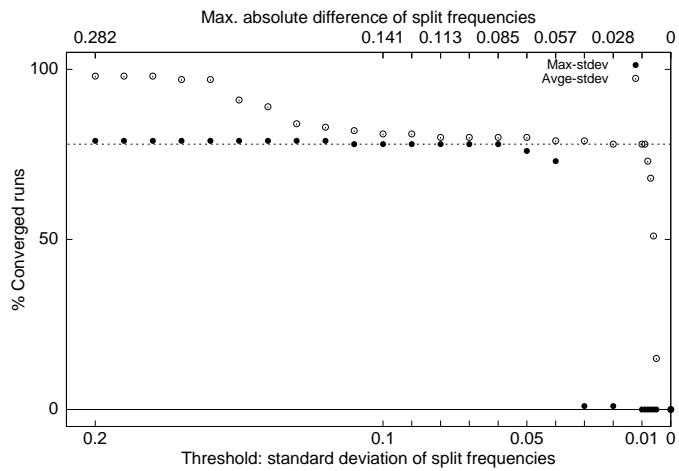
Data Set 7, stNNI I



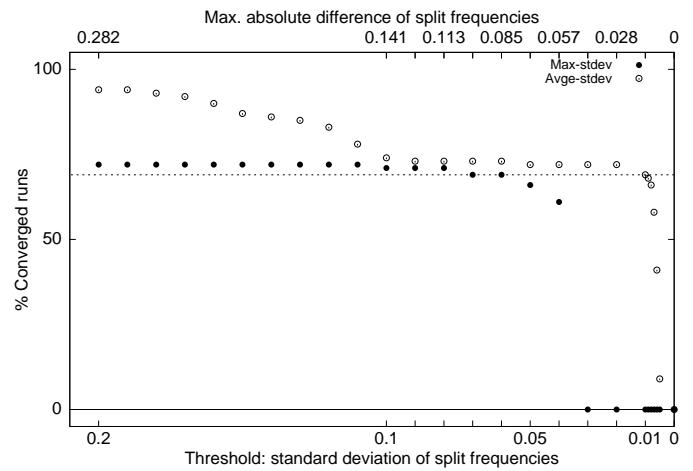
Data Set 7, stNNI II



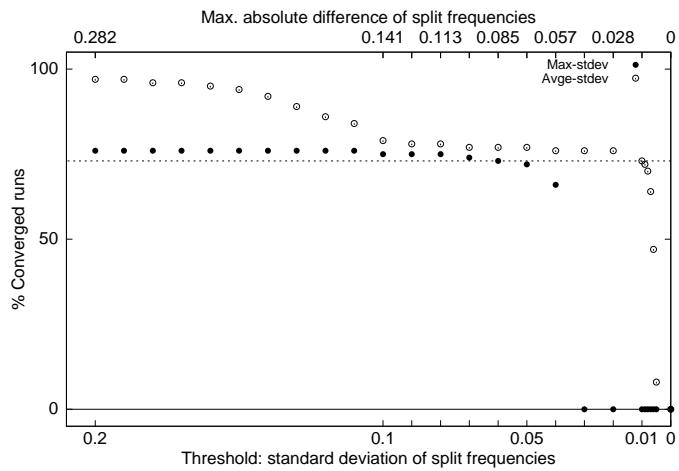
Data Set 7, stNNI III



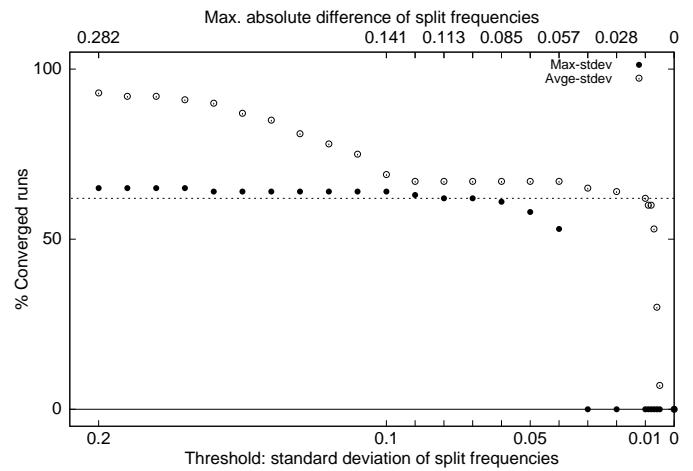
Data Set 7, LOCAL I



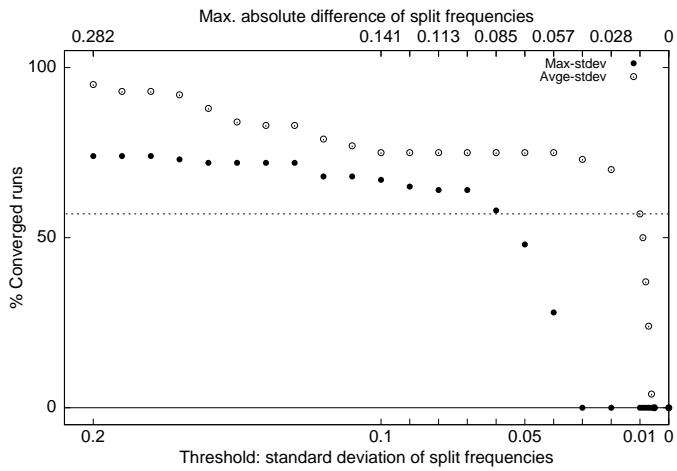
Data Set 7, LOCAL II



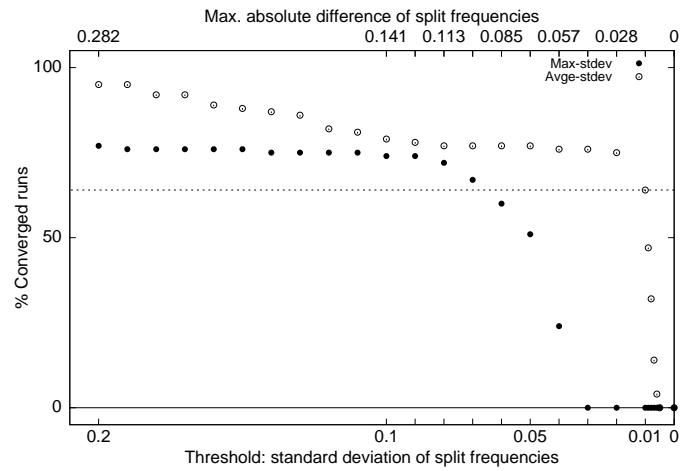
Data Set 7, LOCAL III



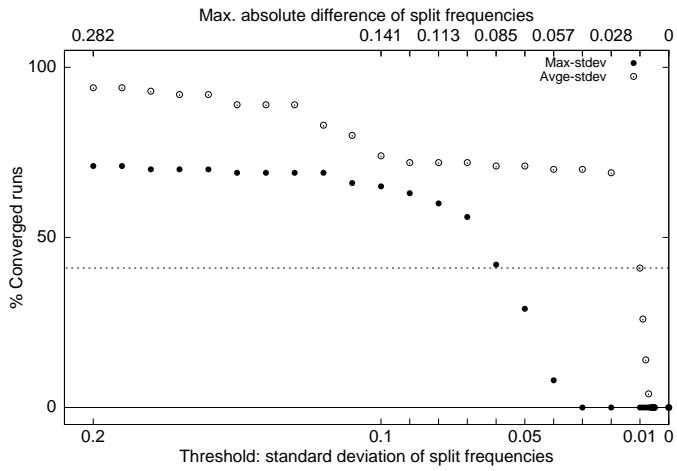
Data Set 7, CC I



Data Set 7, CC II

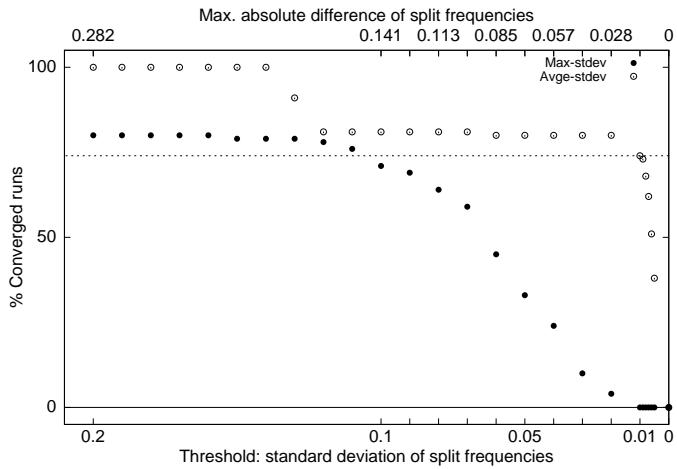


Data Set 7, CC III

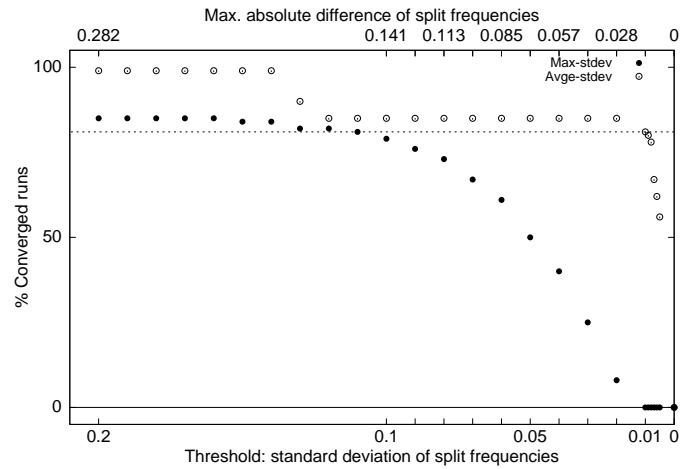


Data set 8

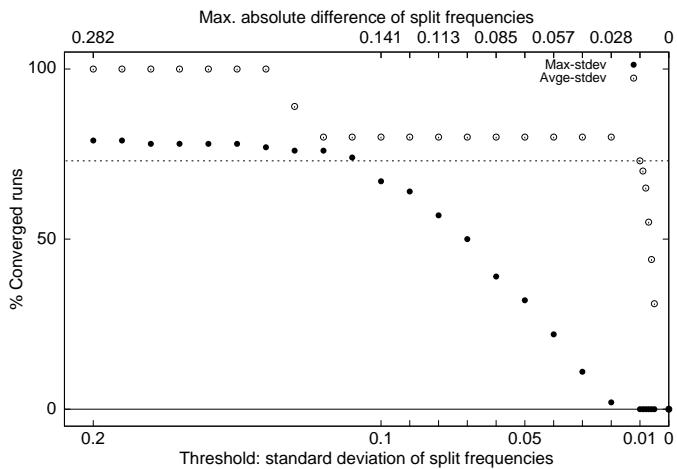
Data Set 8, rSPR I



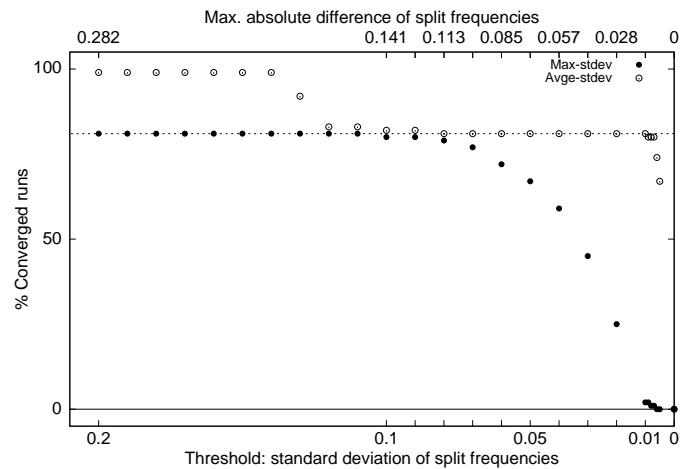
Data Set 8, rSPR II



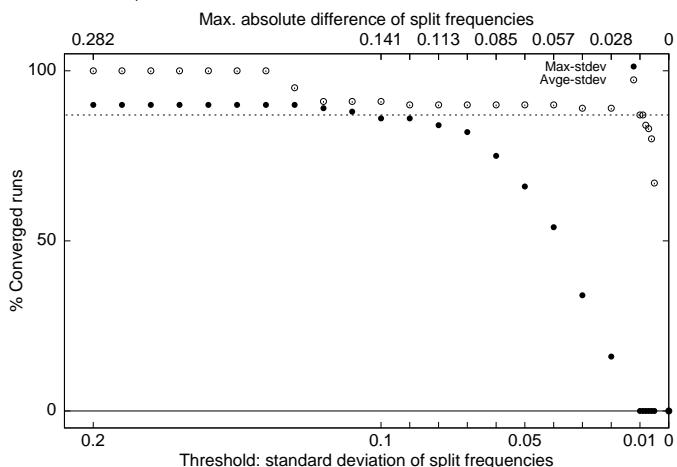
Data Set 8, rSPR III



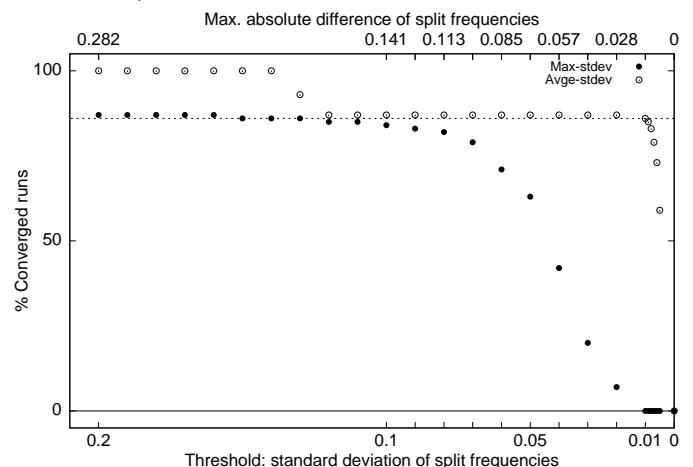
Data Set 8, eTBR I



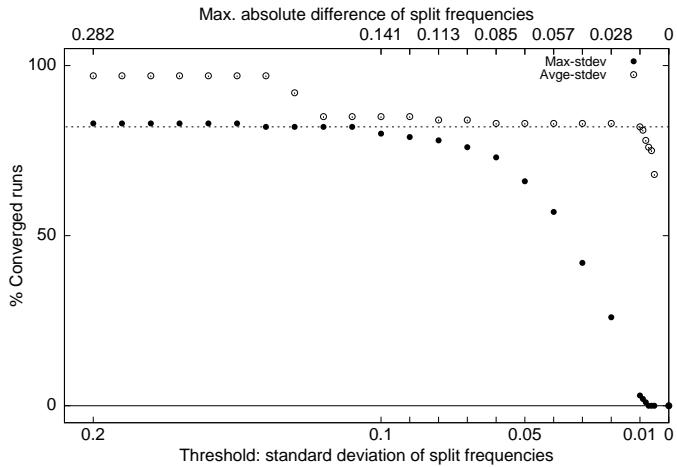
Data Set 8, eTBR II



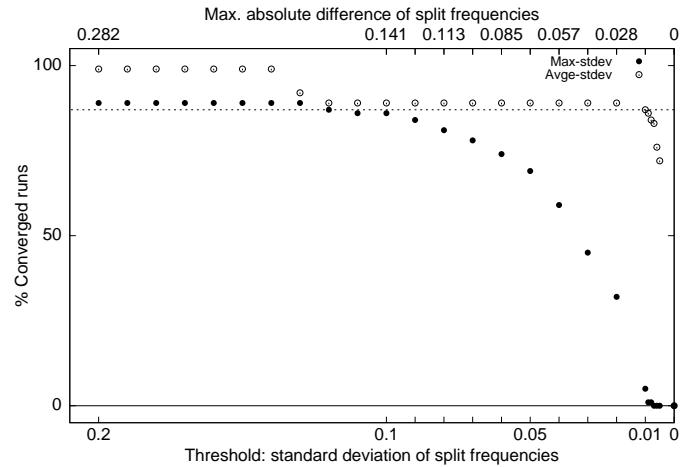
Data Set 8, eTBR III



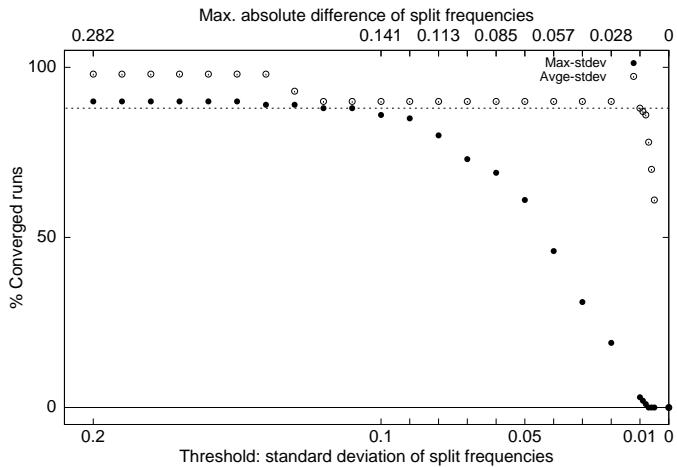
Data Set 8, eSPR I



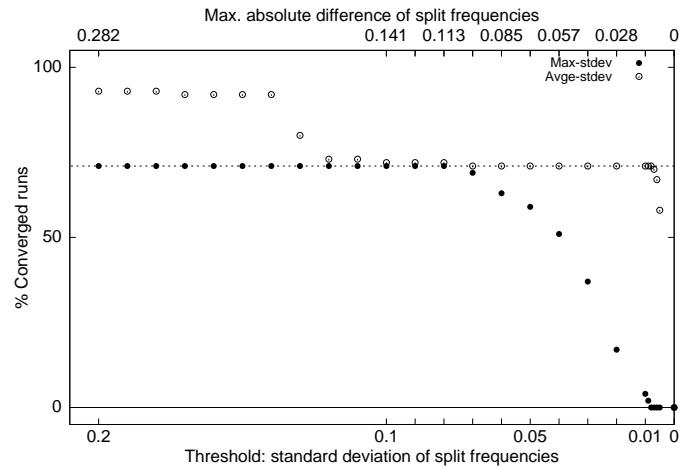
Data Set 8, eSPR II



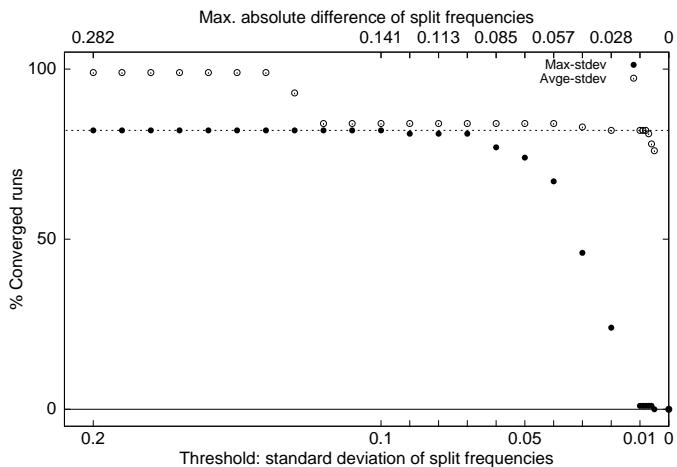
Data Set 8, eSPR III



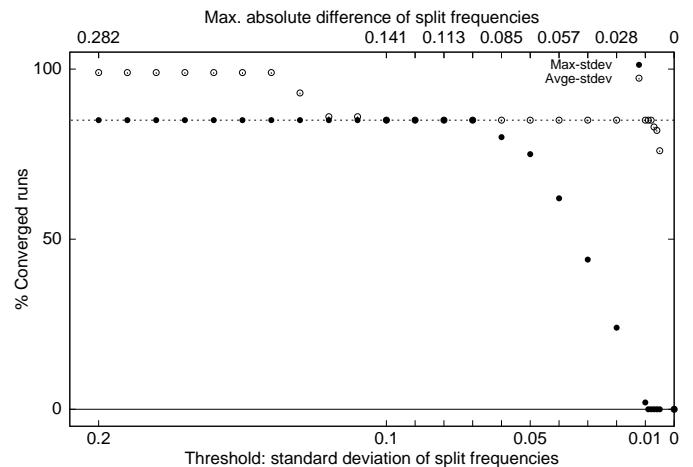
Data Set 8, eSTS I



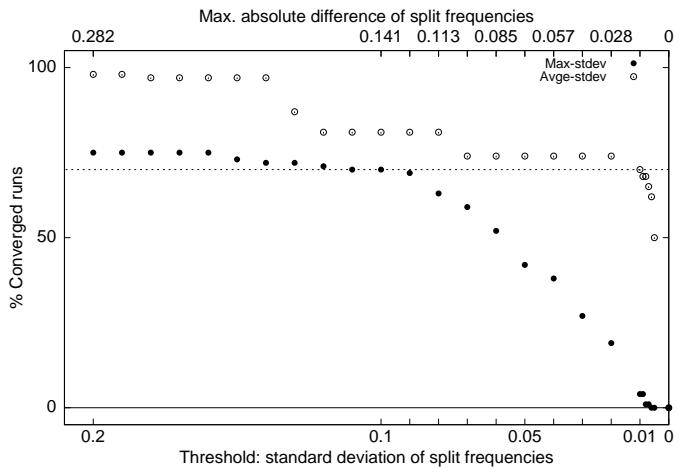
Data Set 8, eSTS II



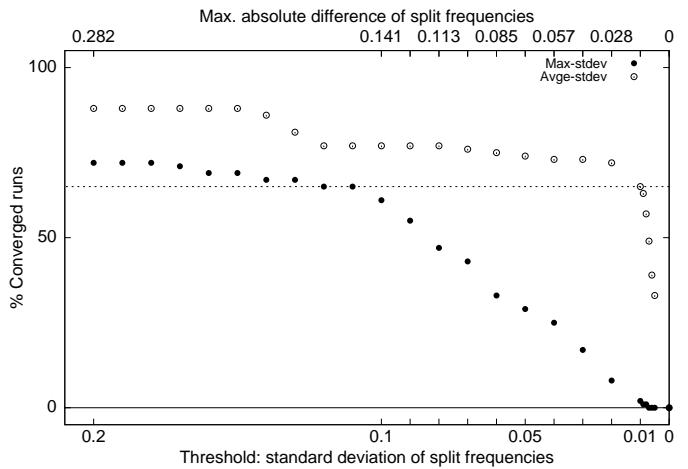
Data Set 8, eSTS III



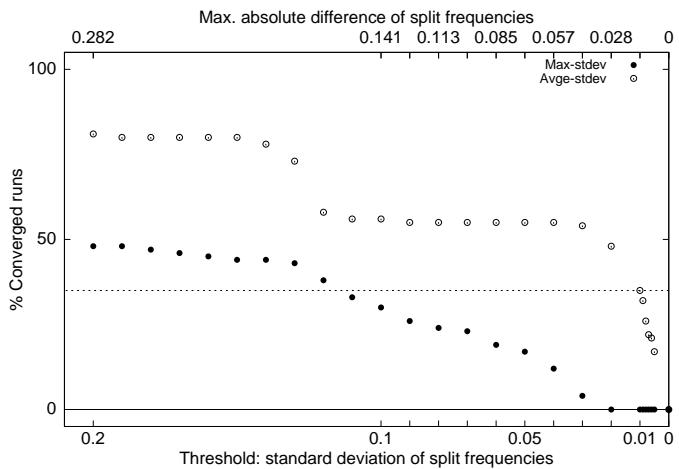
Data Set 8, stNNI I



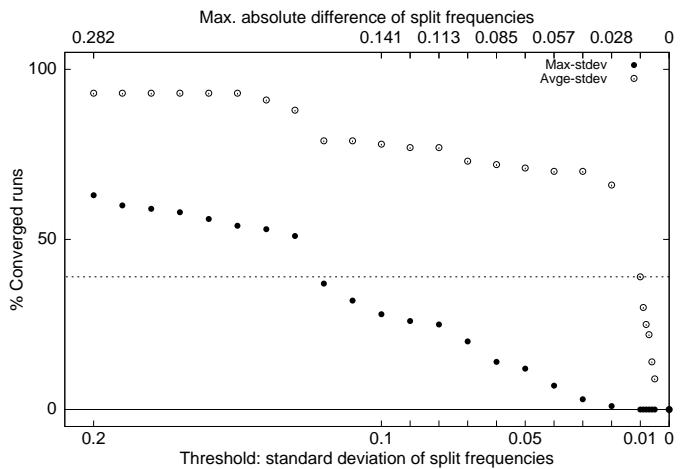
Data Set 8, stNNI II



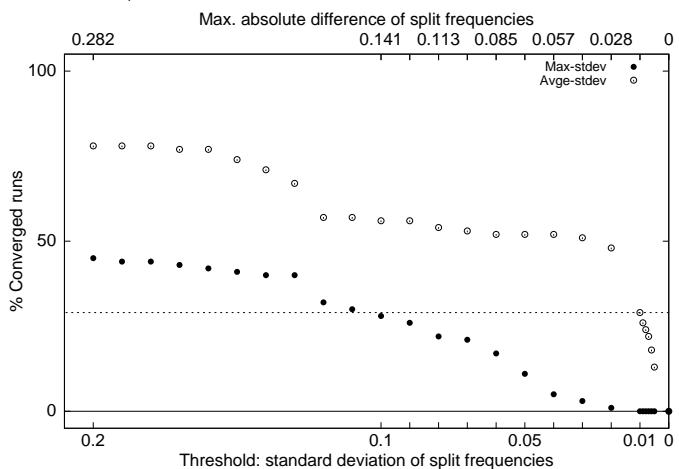
Data Set 8, stNNI III



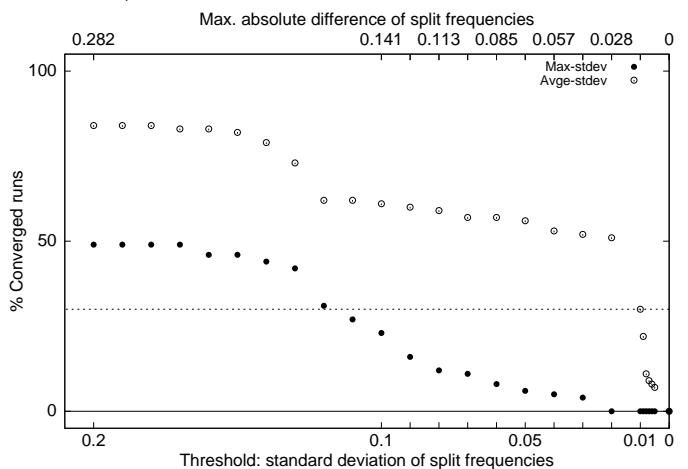
Data Set 8, LOCAL I



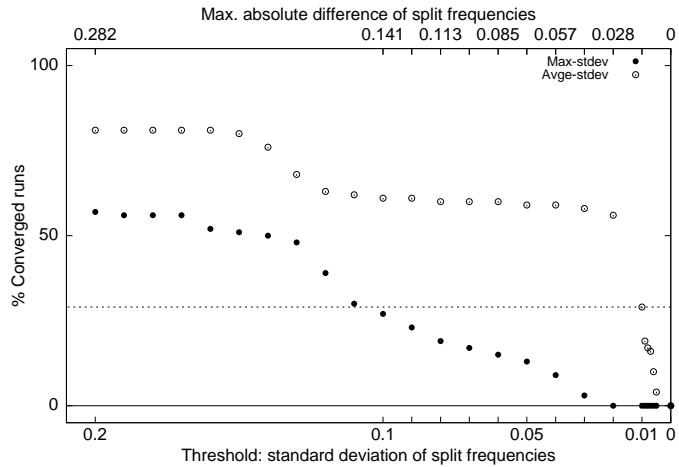
Data Set 8, LOCAL II



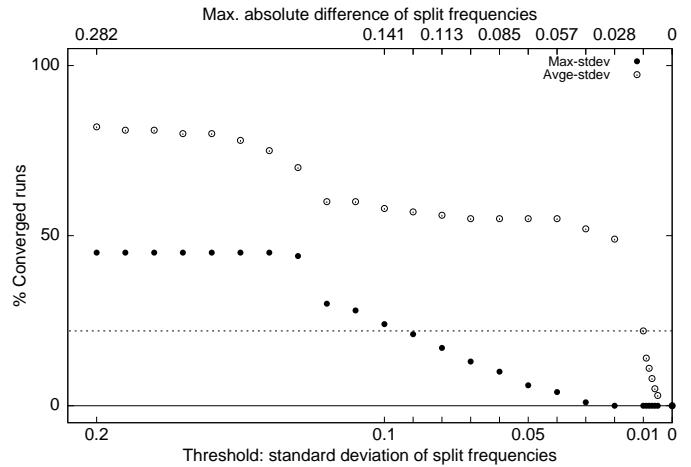
Data Set 8, LOCAL III



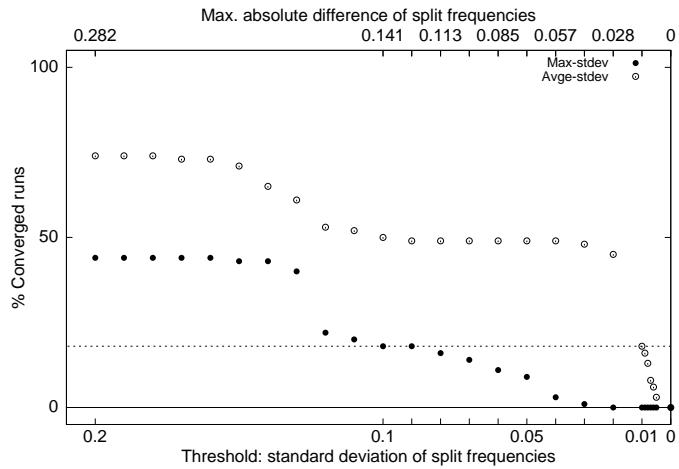
Data Set 8, CC I



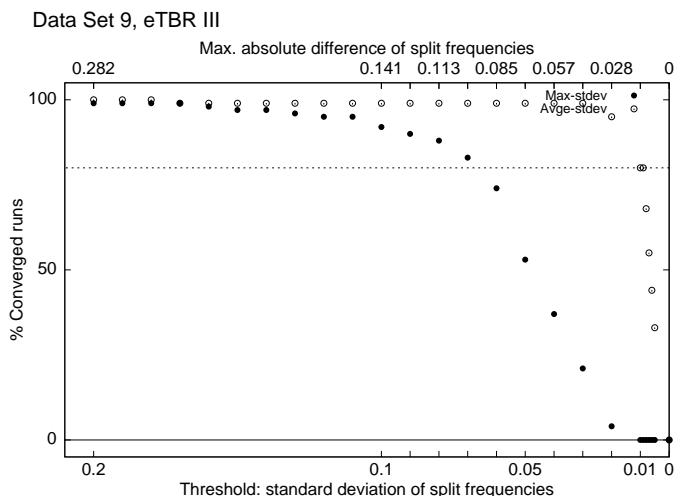
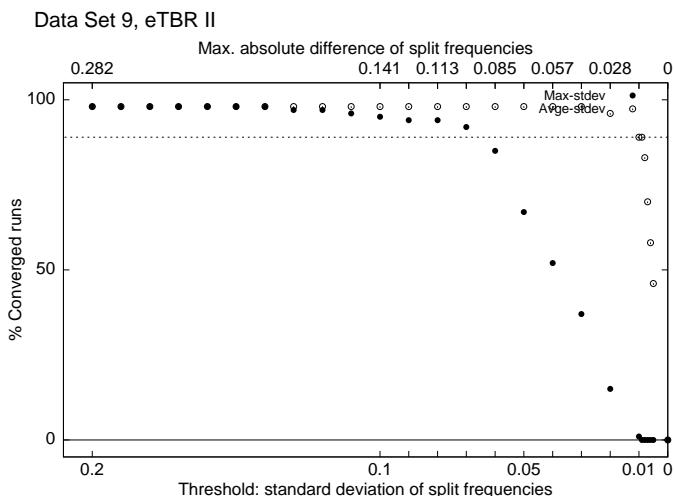
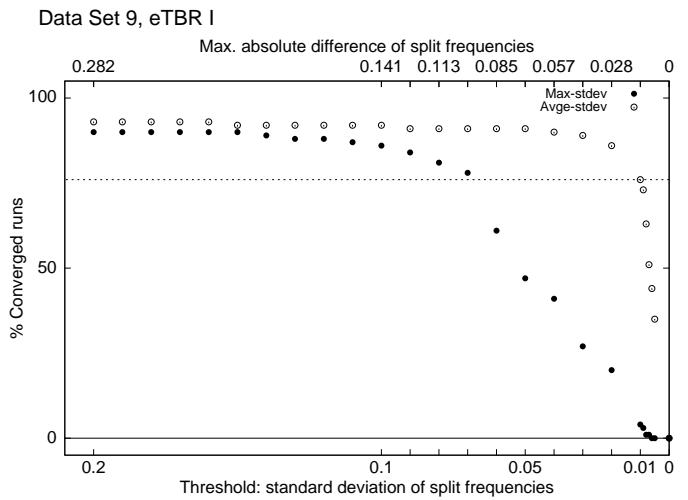
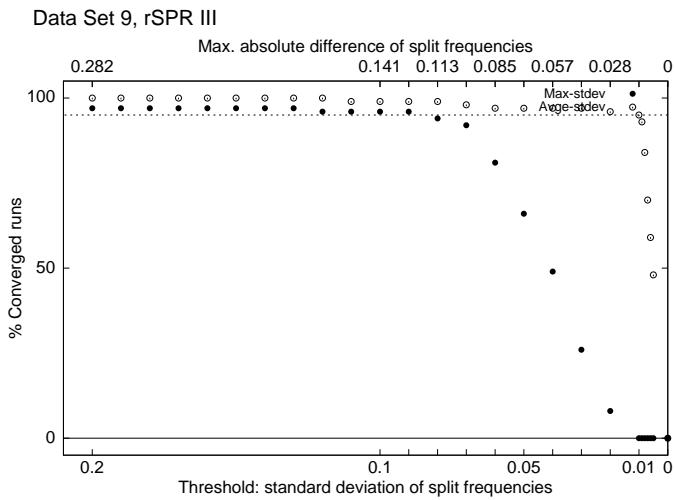
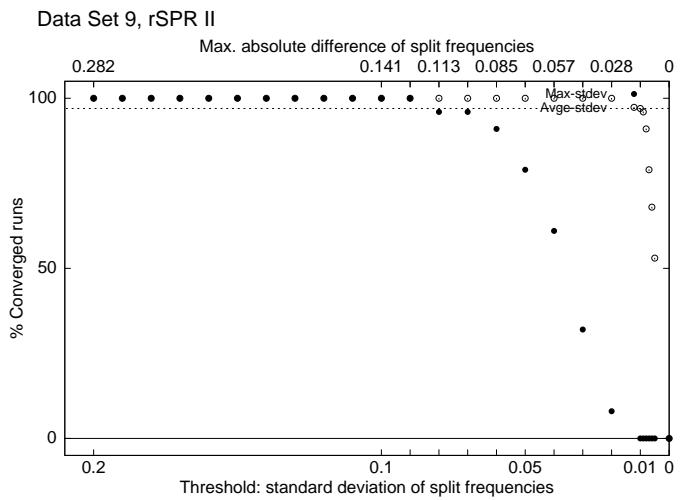
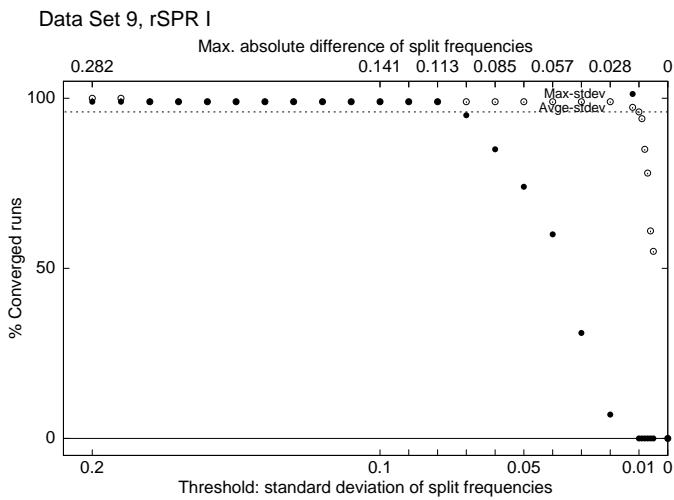
Data Set 8, CC II



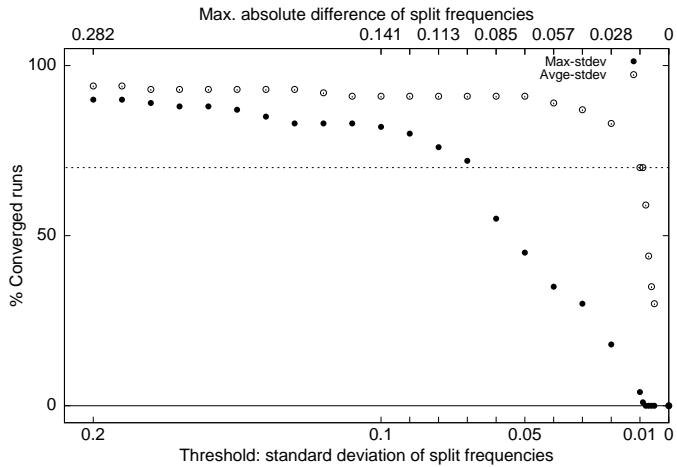
Data Set 8, CC III



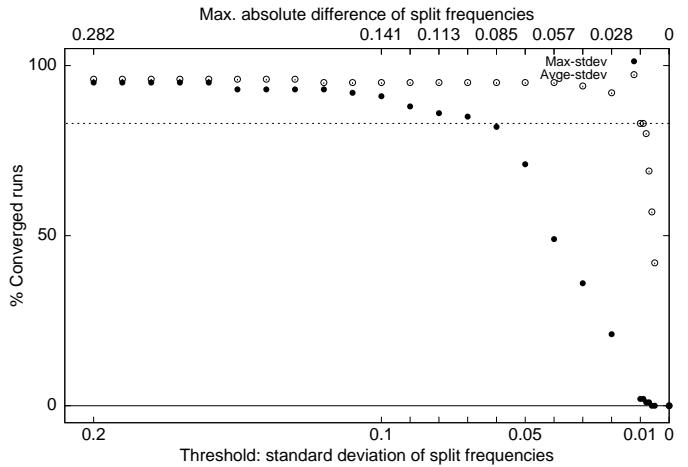
Data set 9



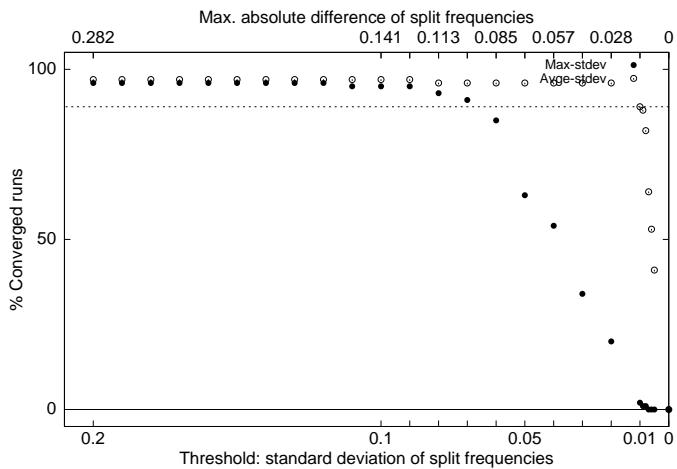
Data Set 9, eSPR I



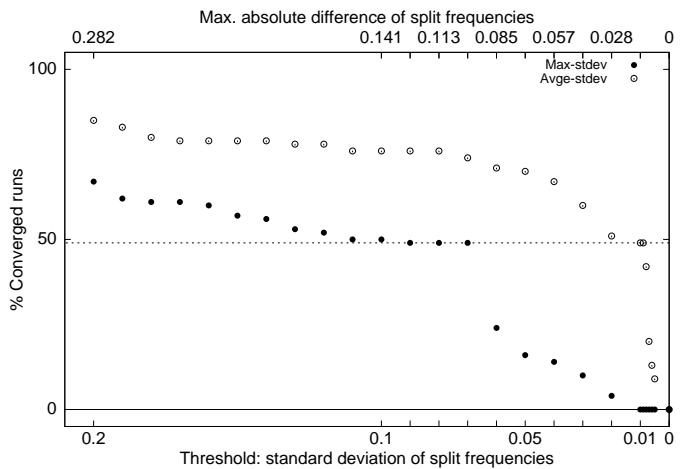
Data Set 9, eSPR II



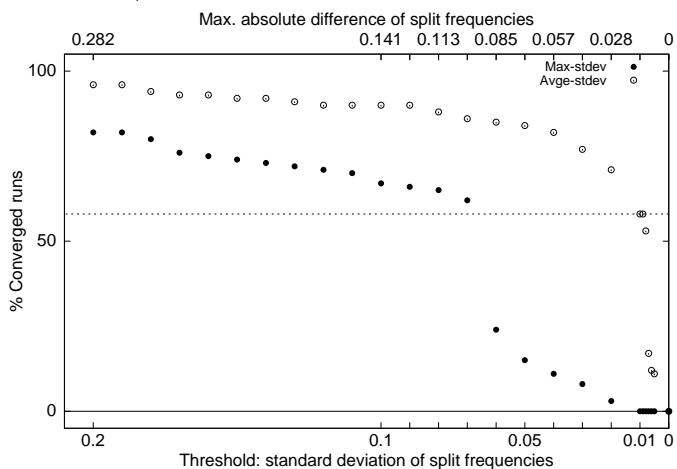
Data Set 9, eSPR III



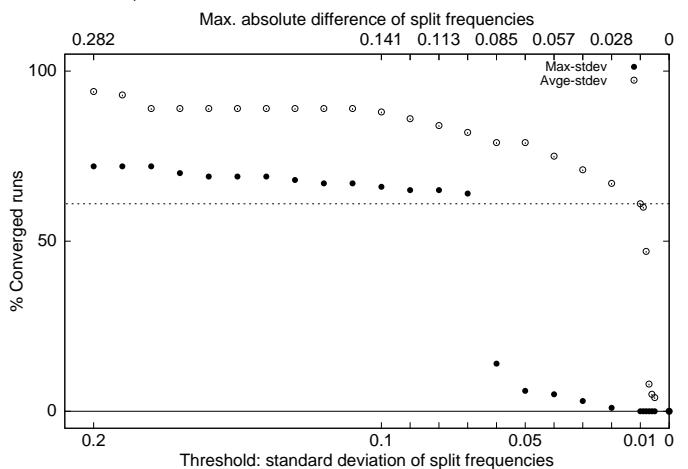
Data Set 9, eSTS I



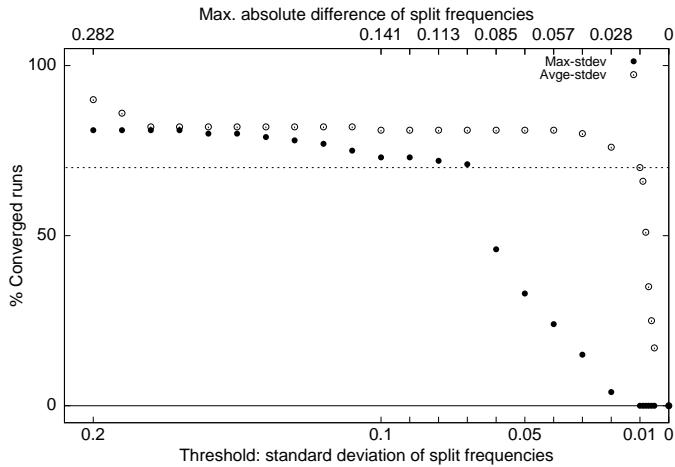
Data Set 9, eSTS II



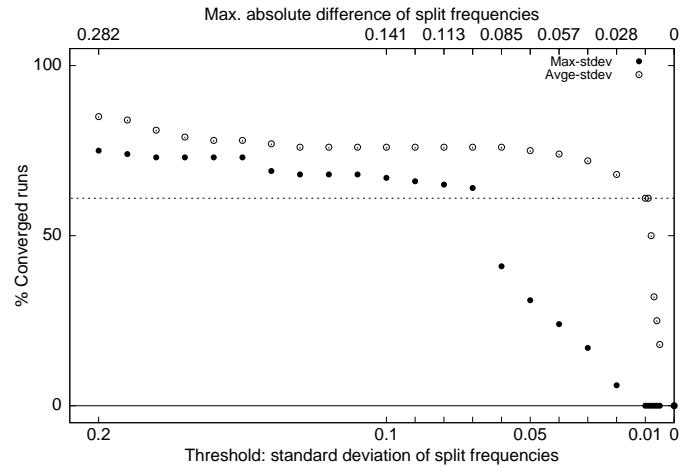
Data Set 9, eSTS III



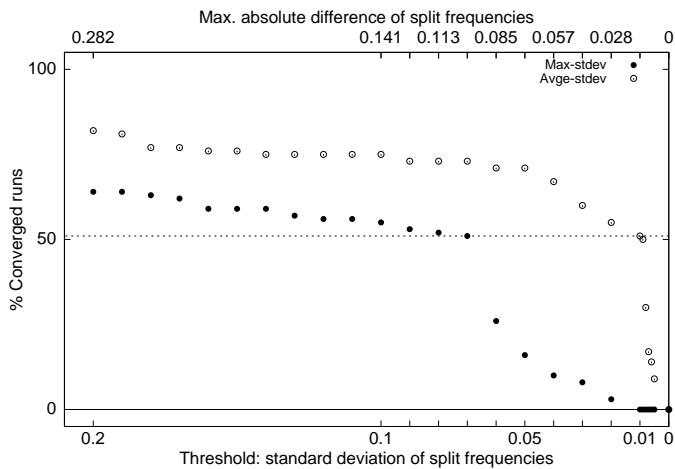
Data Set 9, stNNI I



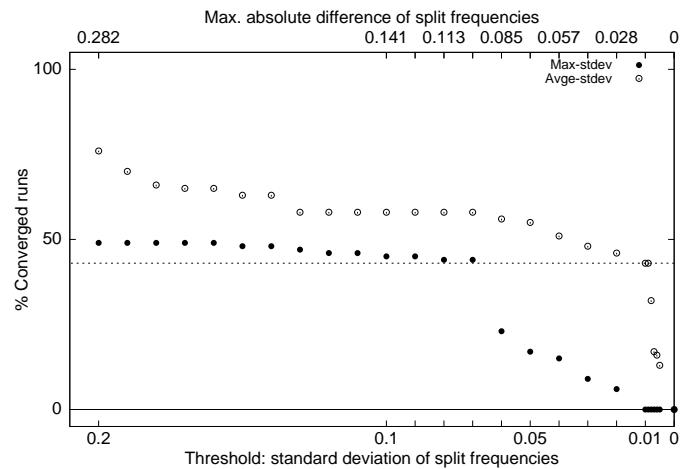
Data Set 9, stNNI II



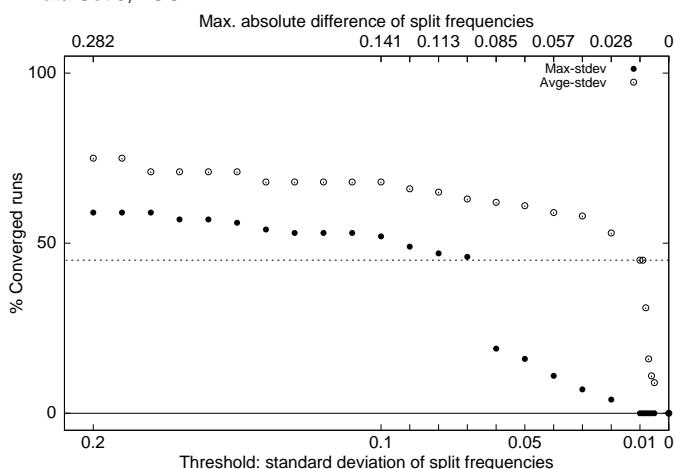
Data Set 9, stNNI III



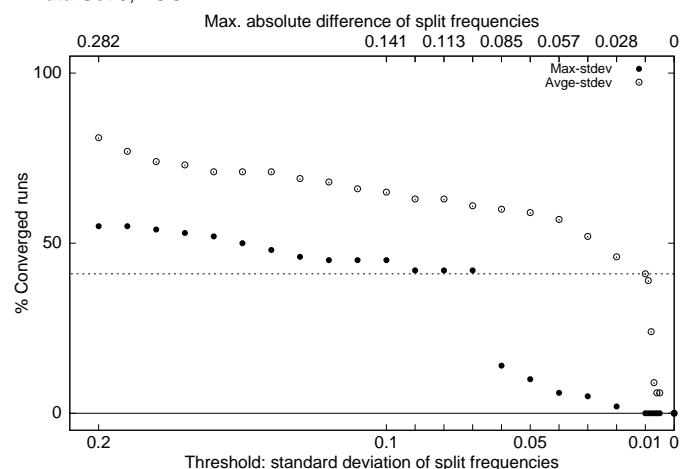
Data Set 9, LOCAL I



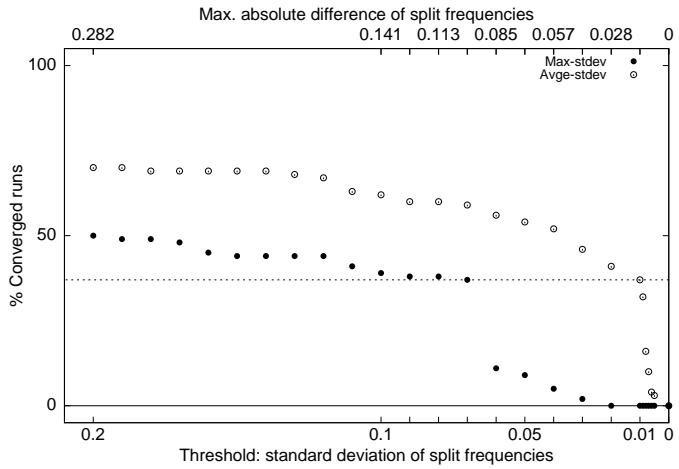
Data Set 9, LOCAL II



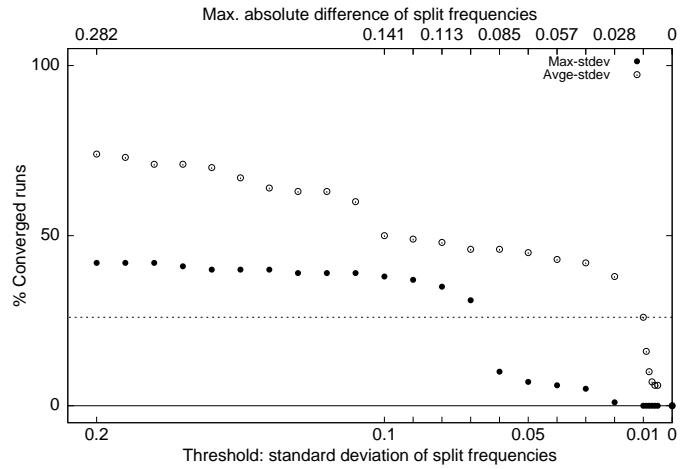
Data Set 9, LOCAL III



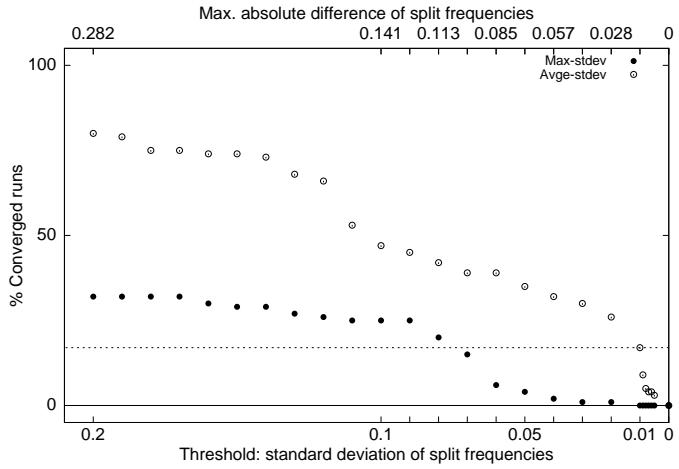
Data Set 9, CC I



Data Set 9, CC II

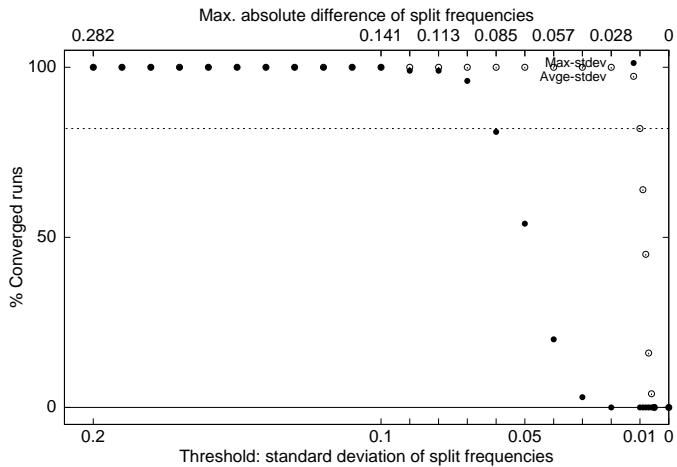


Data Set 9, CC III

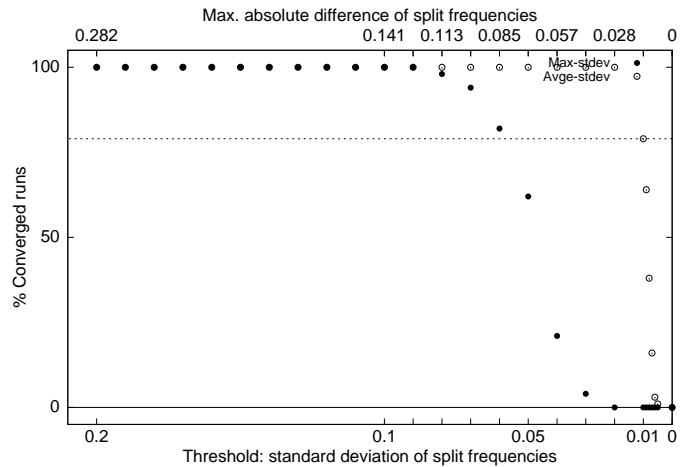


Data set 10

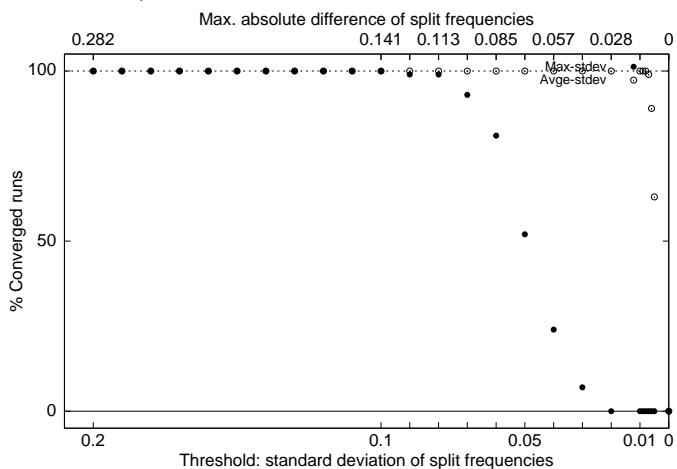
Data Set 10, rSPR I



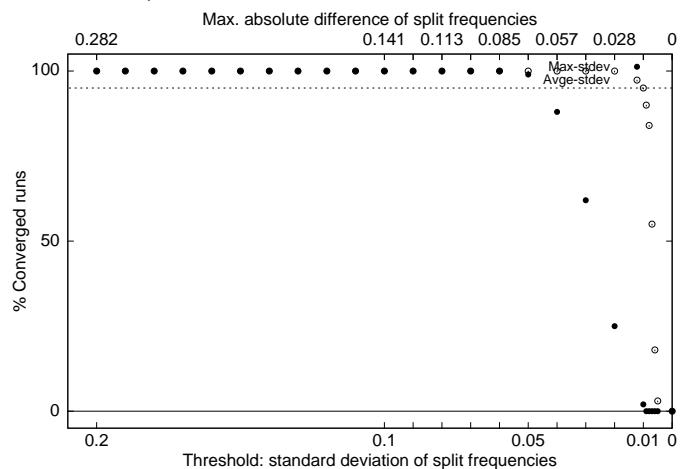
Data Set 10, rSPR II



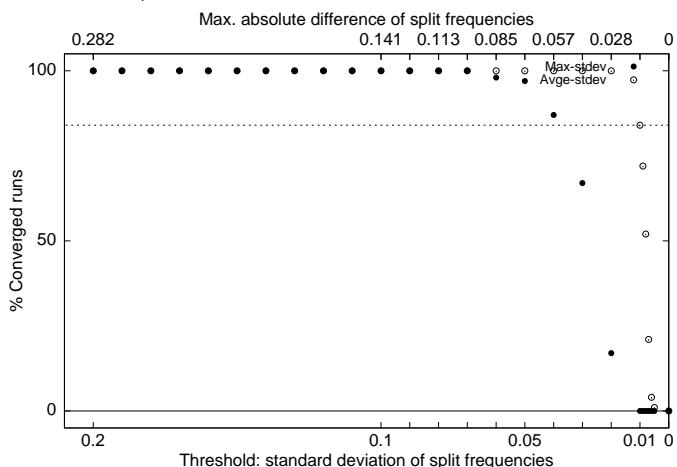
Data Set 10, rSPR III



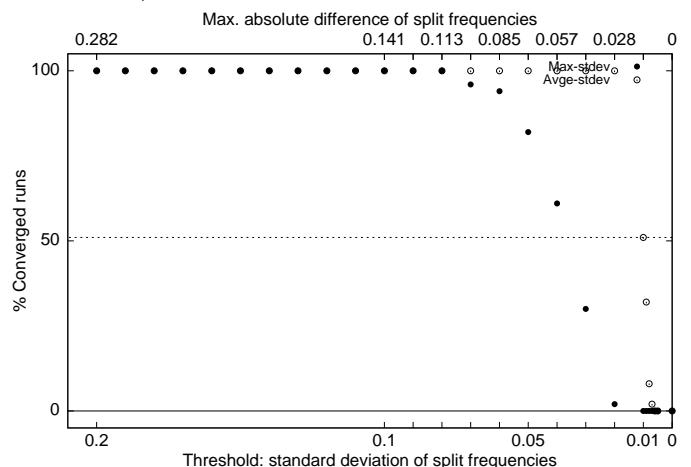
Data Set 10, eTBR I



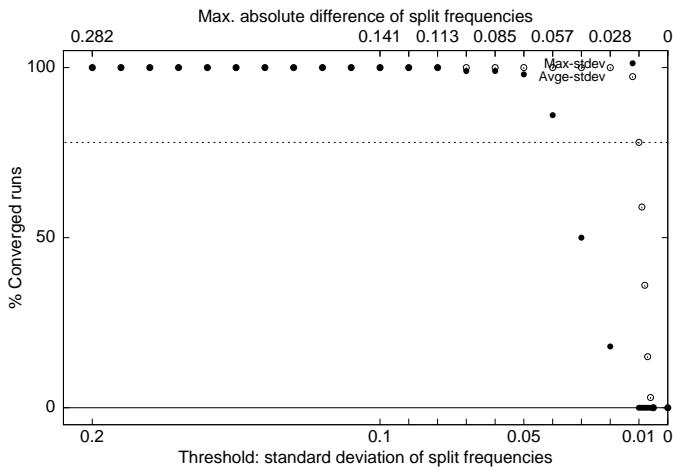
Data Set 10, eTBR II



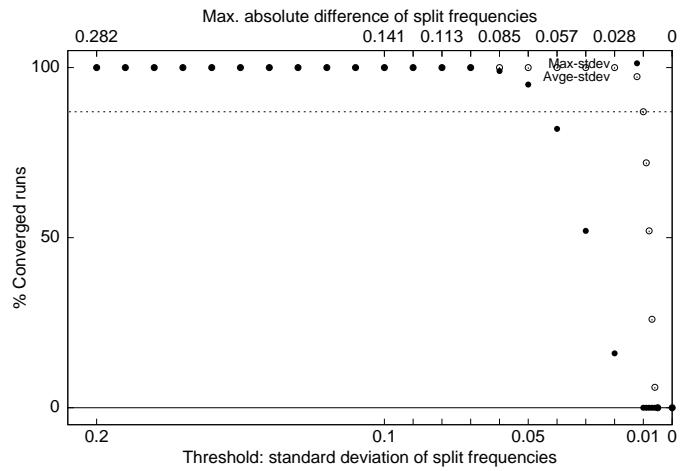
Data Set 10, eTBR III



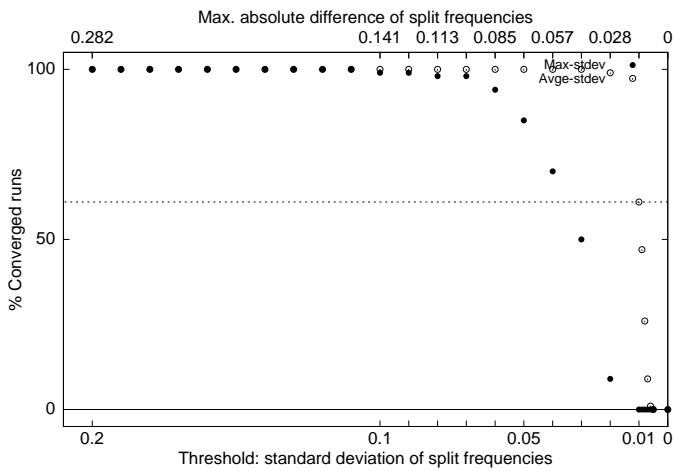
Data Set 10, eSPR I



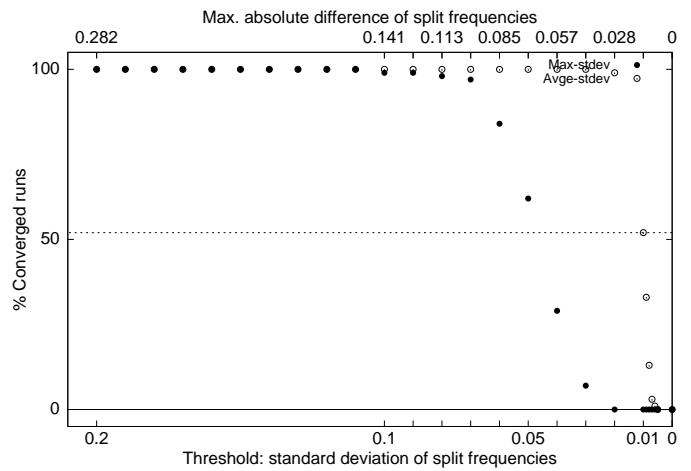
Data Set 10, eSPR II



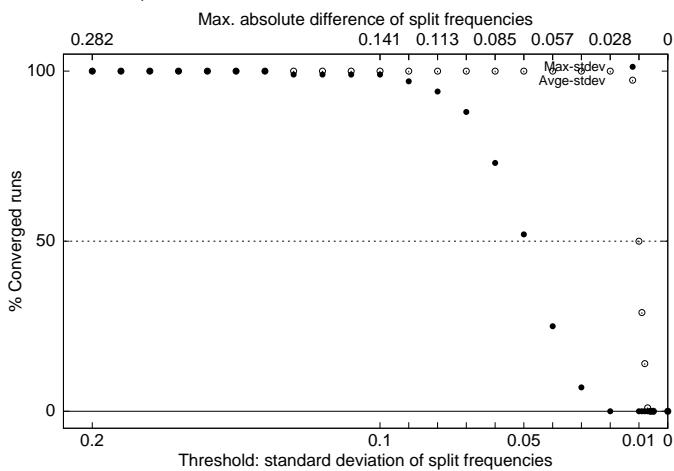
Data Set 10, eSPR III



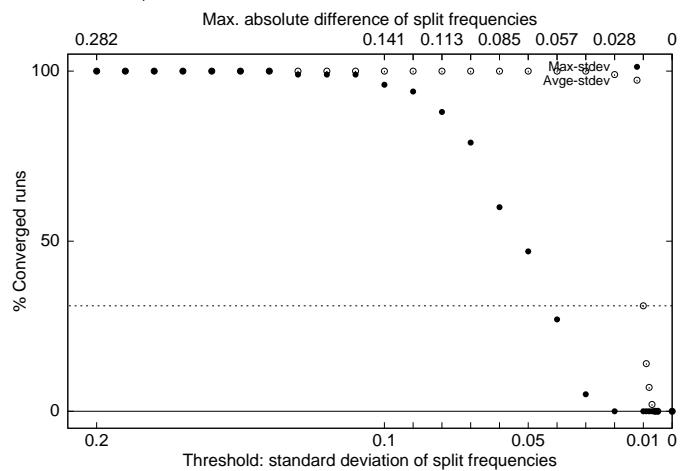
Data Set 10, eSTS I



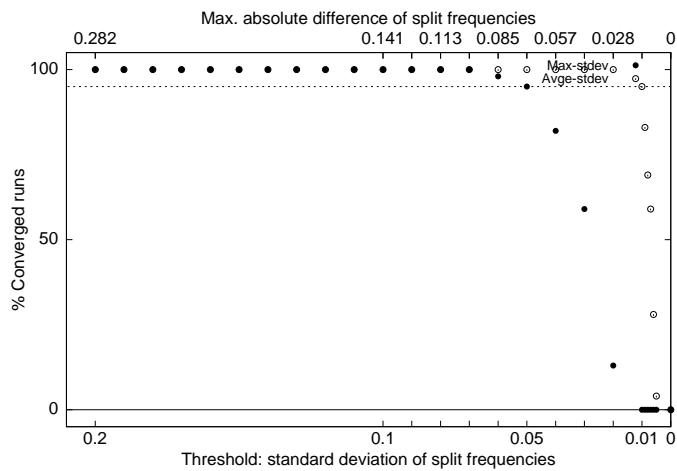
Data Set 10, eSTS II



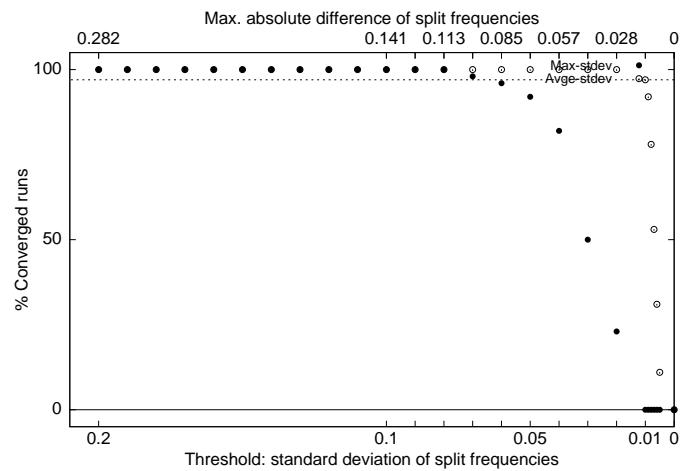
Data Set 10, eSTS III



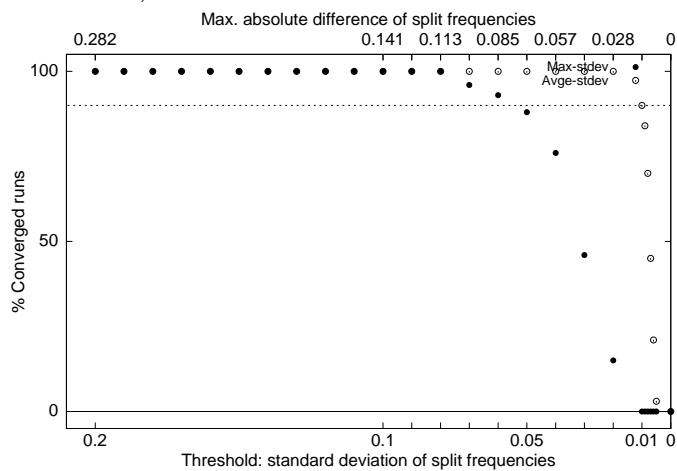
Data Set 10, stNNI I



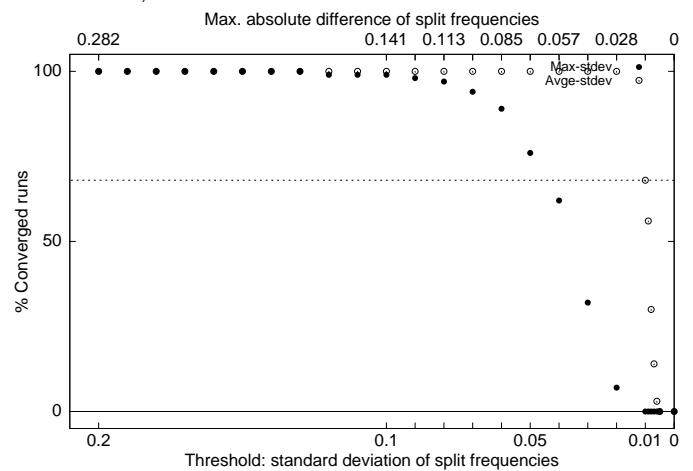
Data Set 10, stNNI II



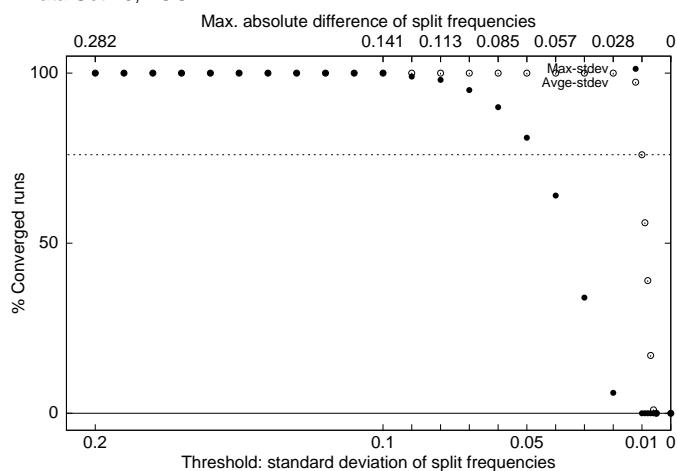
Data Set 10, stNNI III



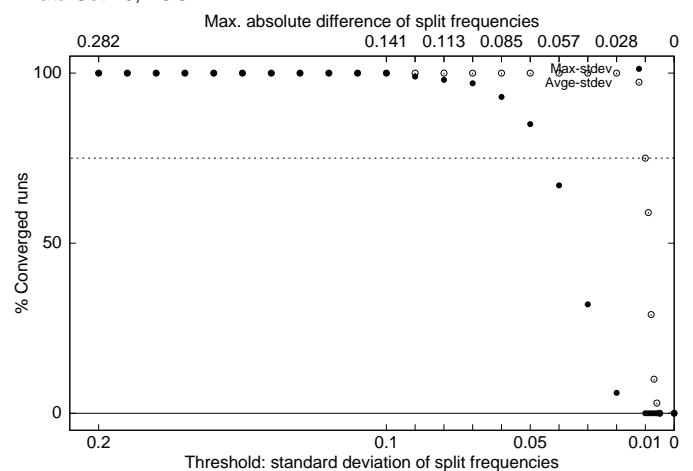
Data Set 10, LOCAL I



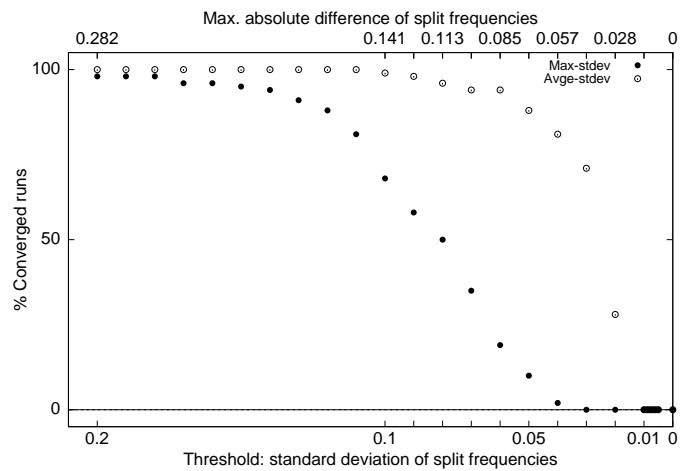
Data Set 10, LOCAL II



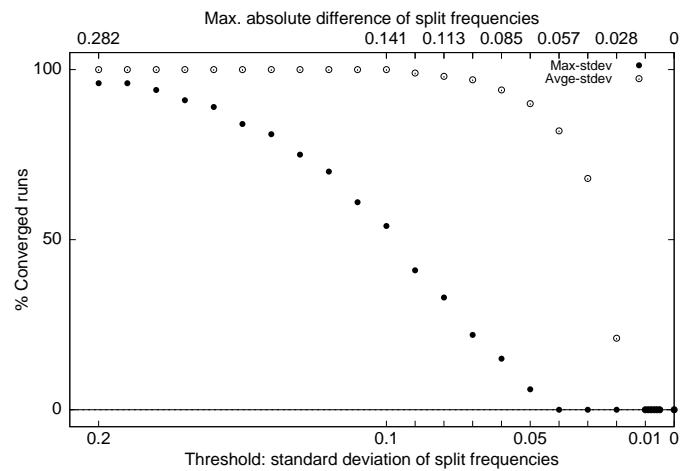
Data Set 10, LOCAL III



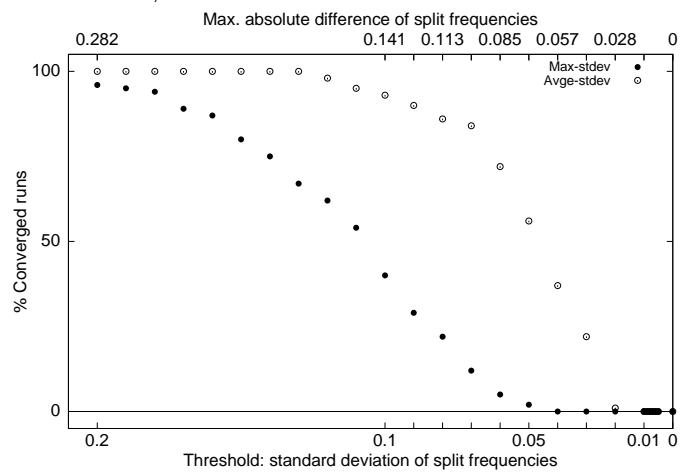
Data Set 10, CC I



Data Set 10, CC II

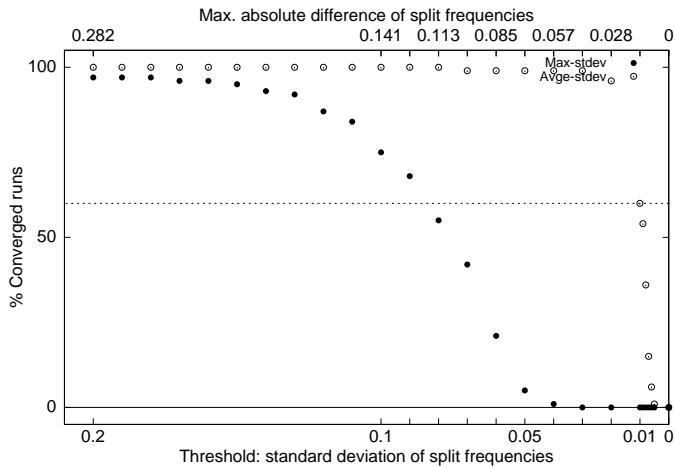


Data Set 10, CC III

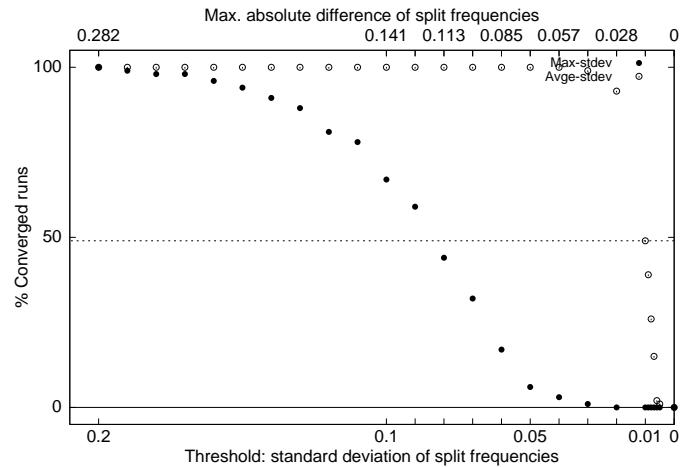


Data set 11

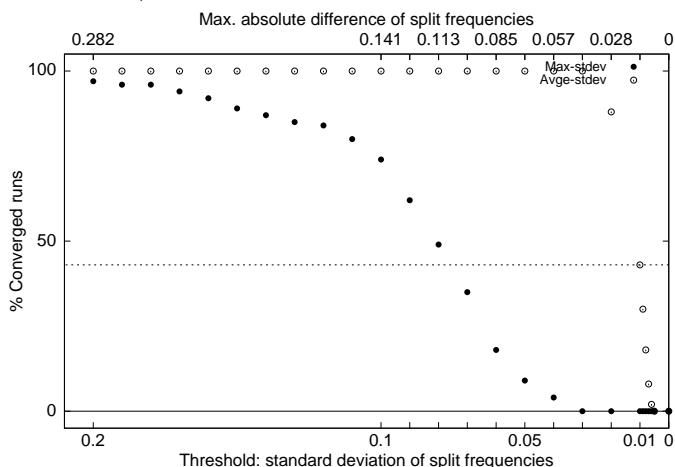
Data Set 11, rSPR I



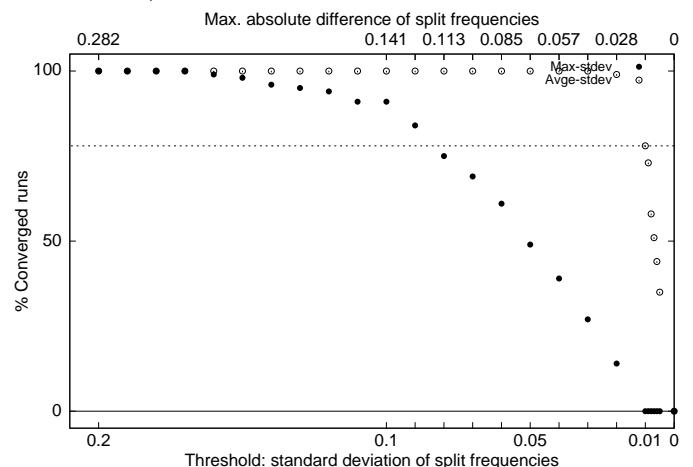
Data Set 11, rSPR II



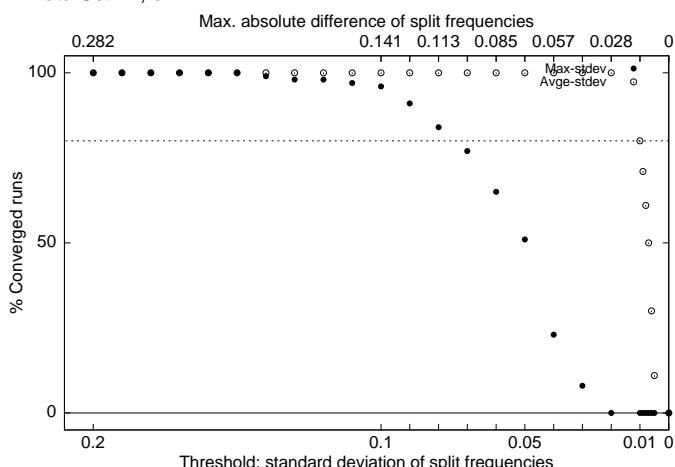
Data Set 11, rSPR III



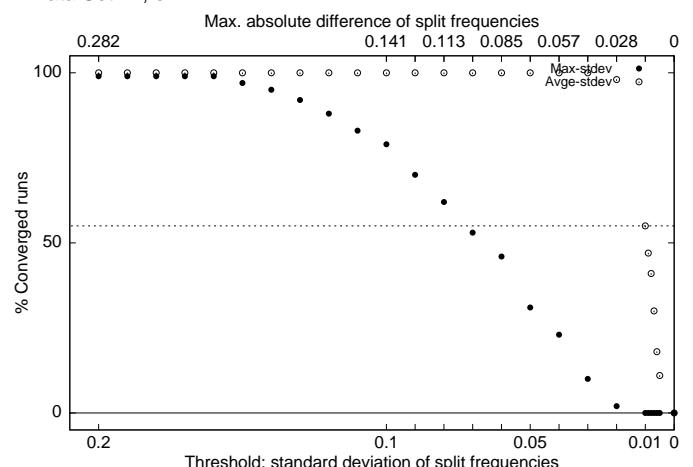
Data Set 11, eTBR I



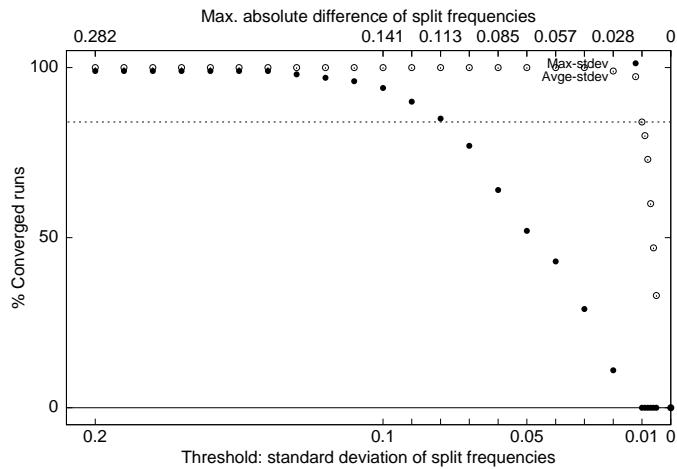
Data Set 11, eTBR II



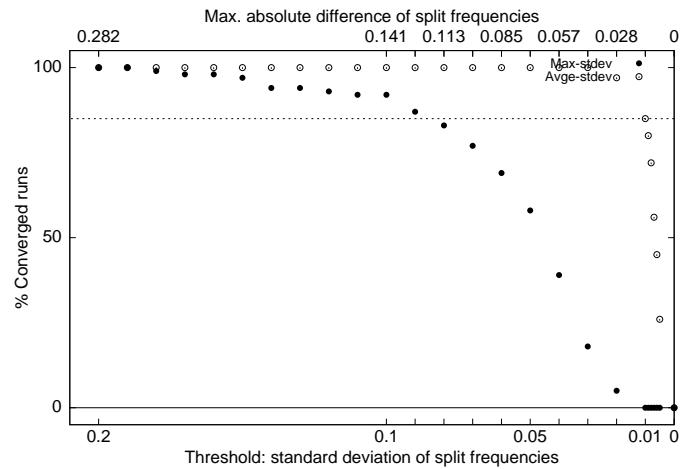
Data Set 11, eTBR III



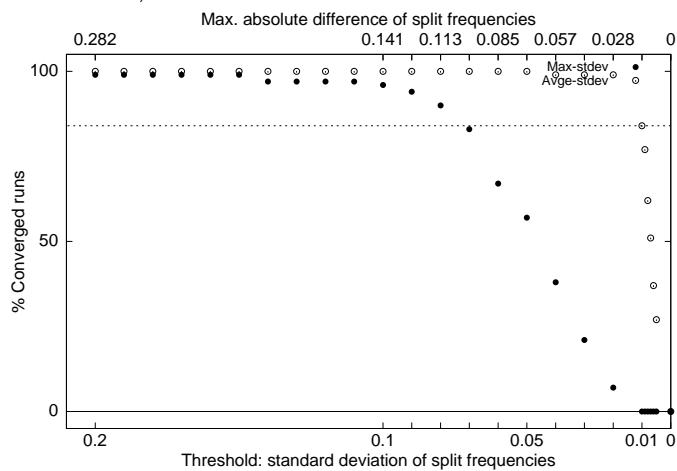
Data Set 11, eSPR I



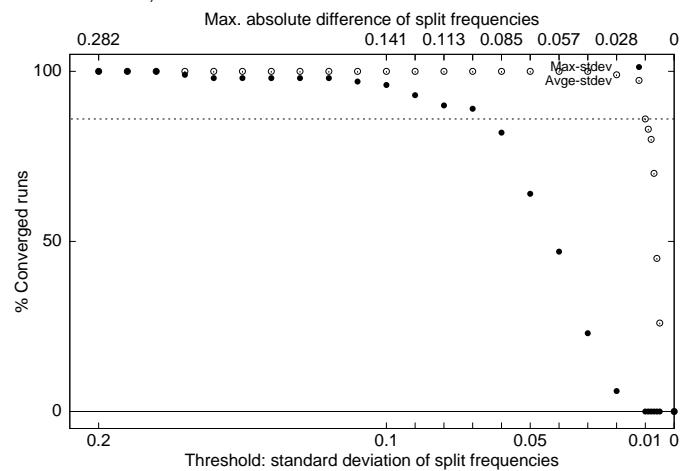
Data Set 11, eSPR II



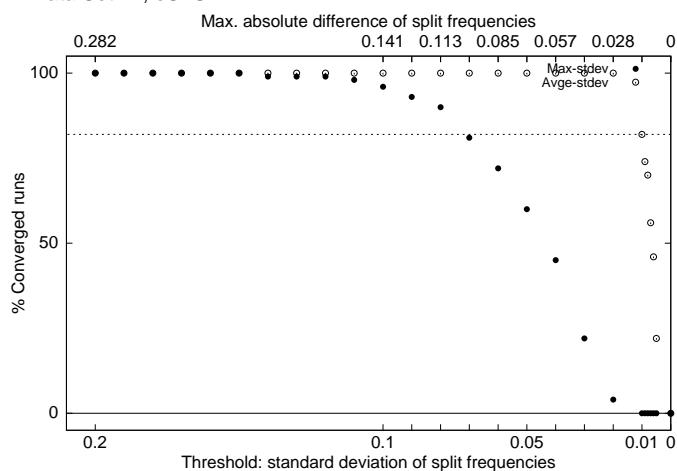
Data Set 11, eSPR III



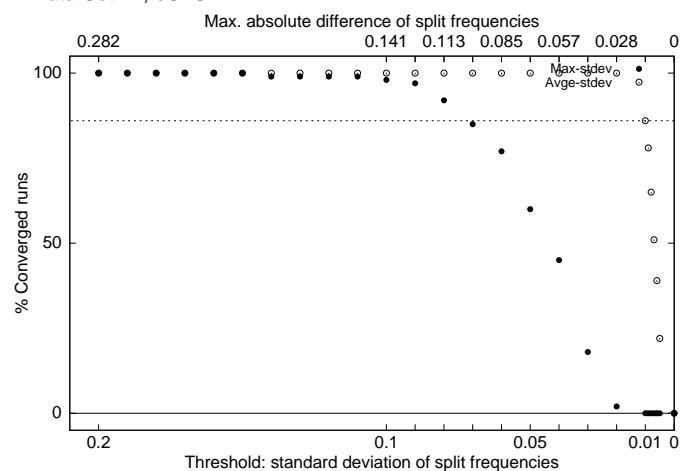
Data Set 11, eSTS I



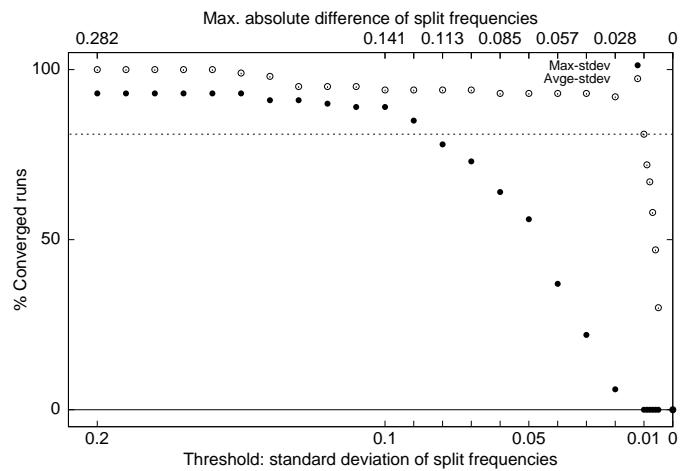
Data Set 11, eSTS II



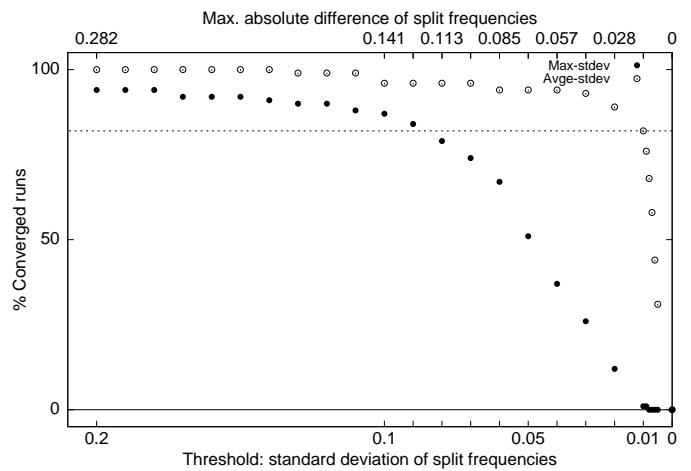
Data Set 11, eSTS III



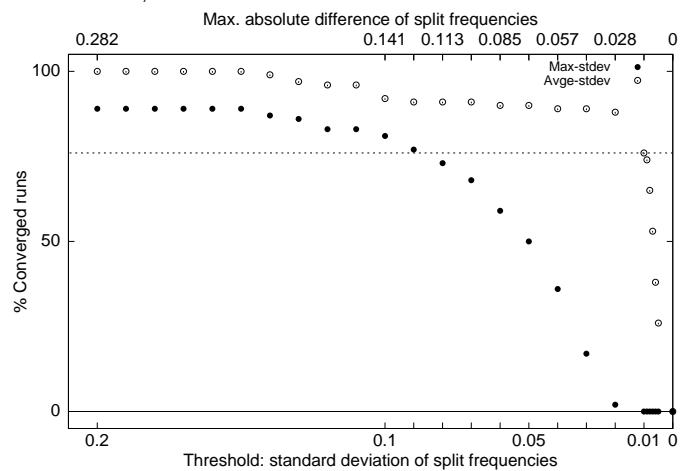
Data Set 11, stNNI I



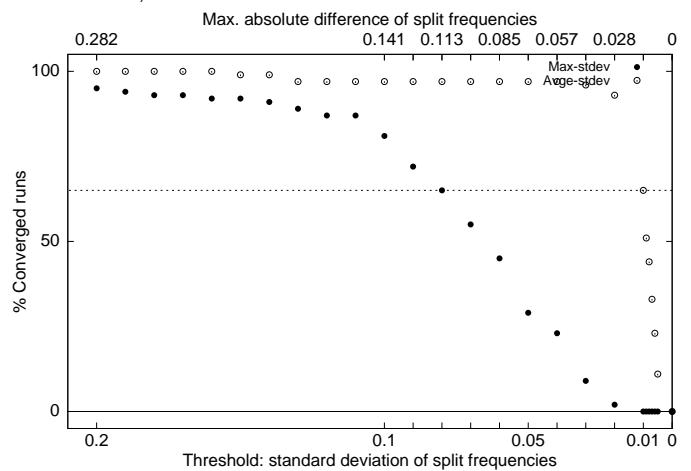
Data Set 11, stNNI II



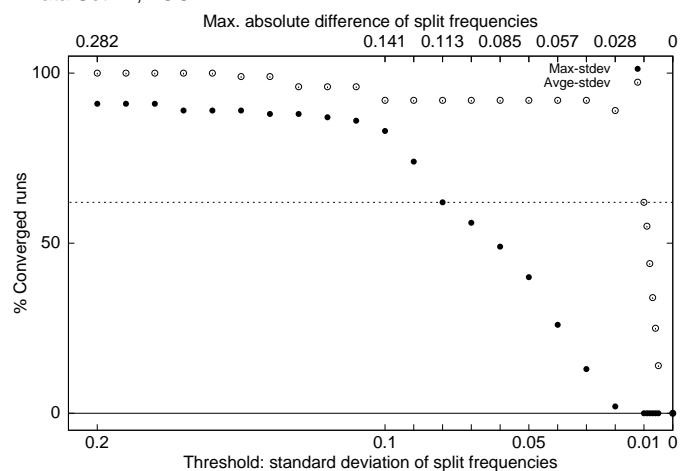
Data Set 11, stNNI III



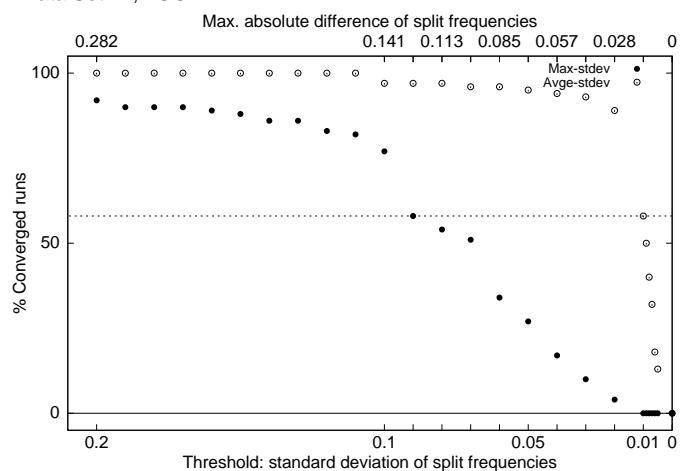
Data Set 11, LOCAL I



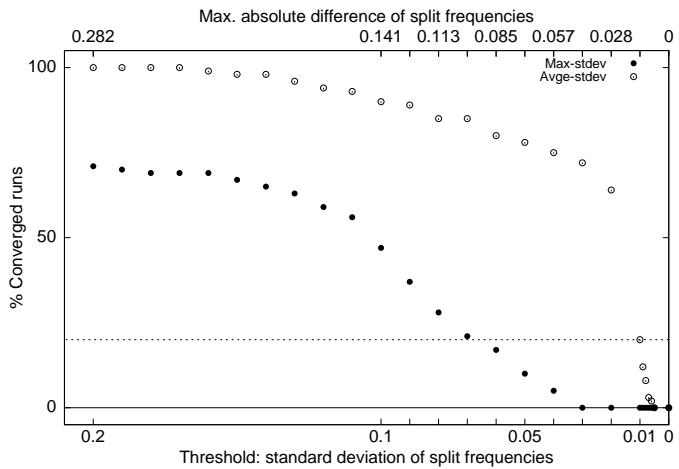
Data Set 11, LOCAL II



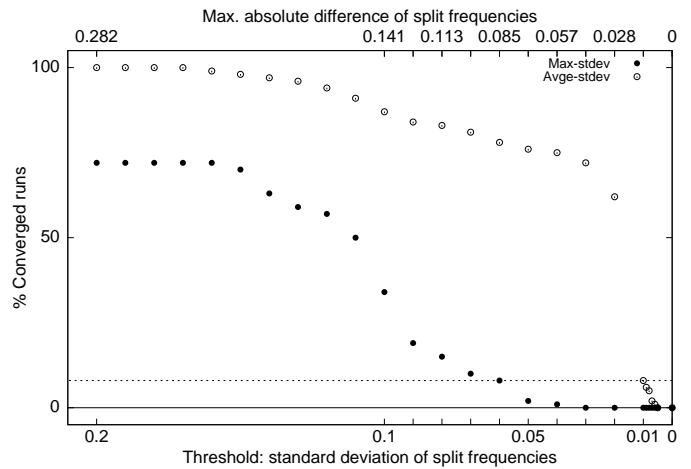
Data Set 11, LOCAL III



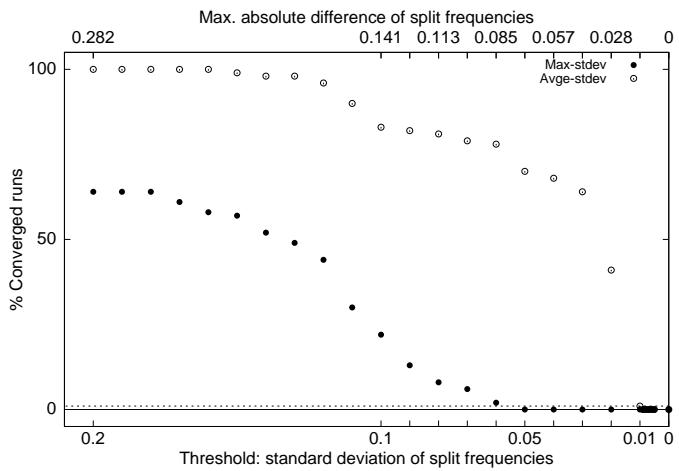
Data Set 11, CC I



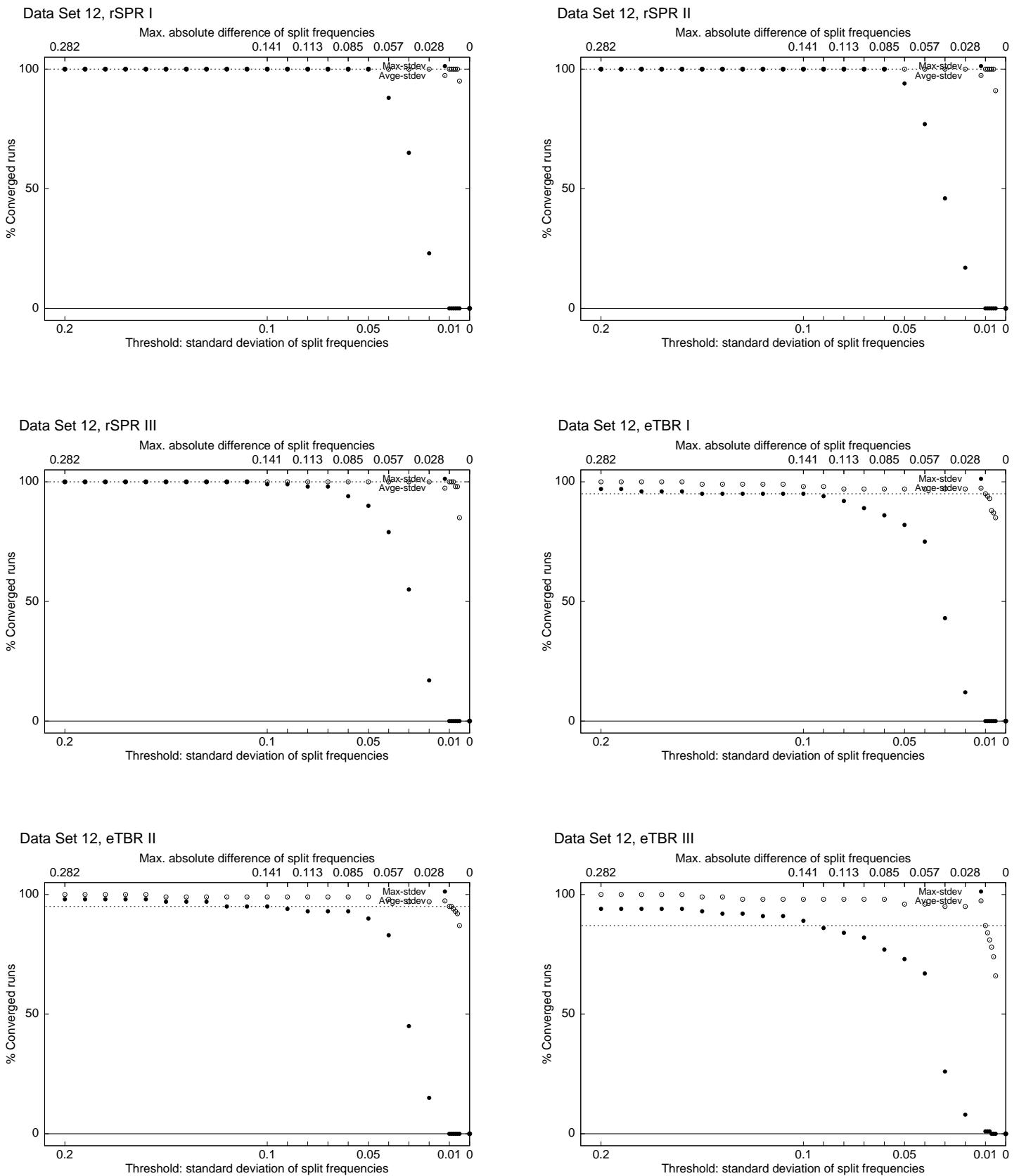
Data Set 11, CC II



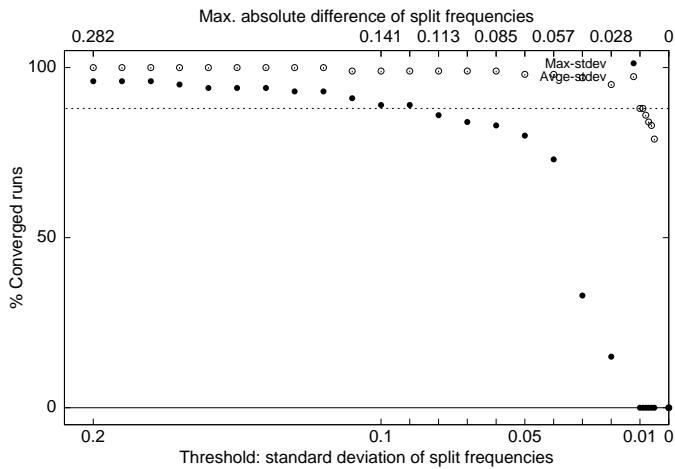
Data Set 11, CC III



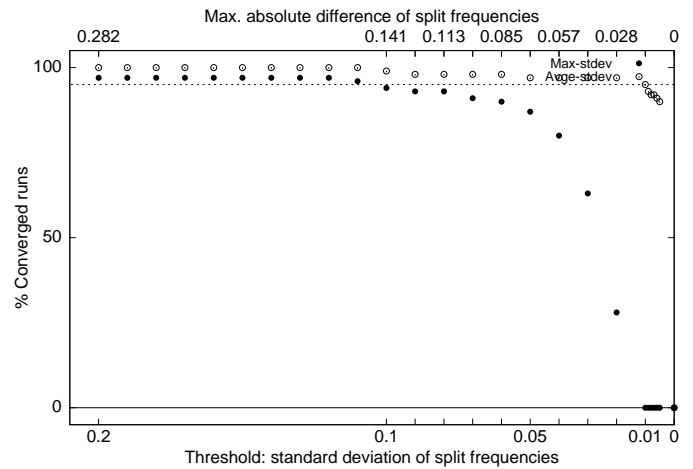
Data set 12



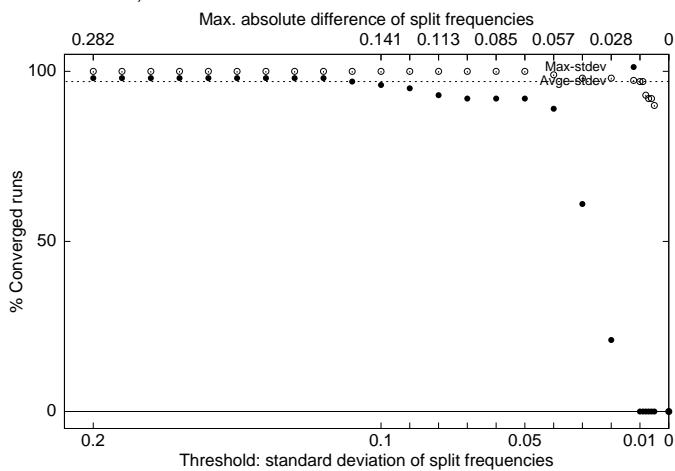
Data Set 12, eSPR I



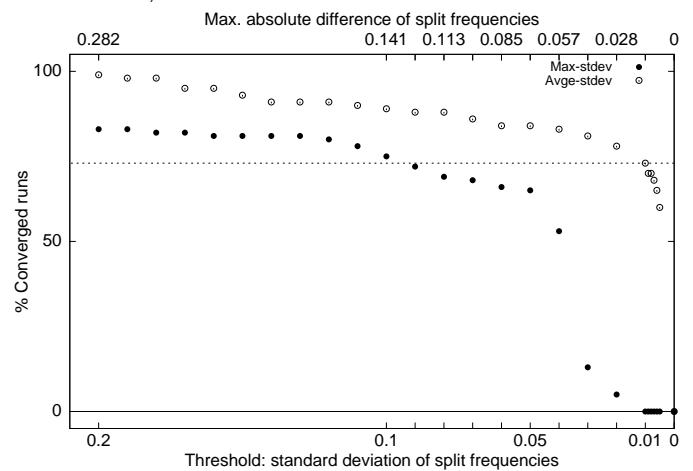
Data Set 12, eSPR II



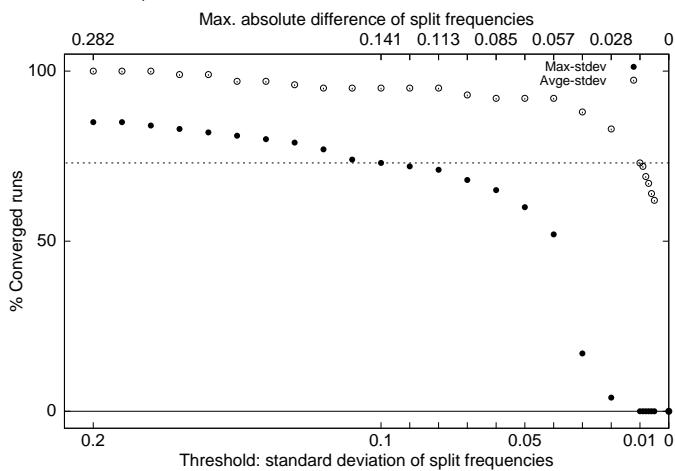
Data Set 12, eSPR III



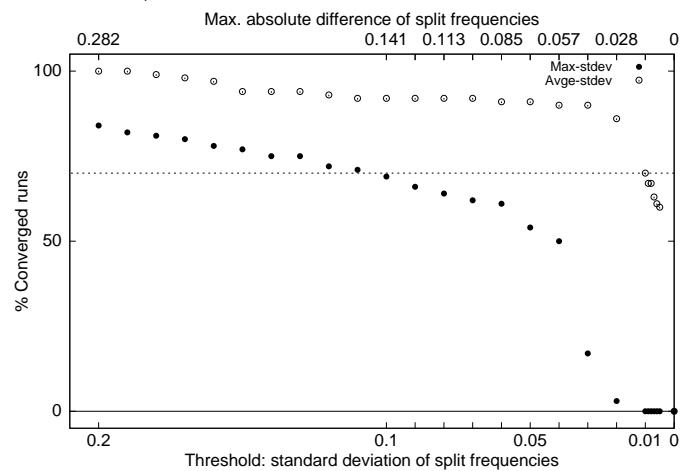
Data Set 12, eSTS I



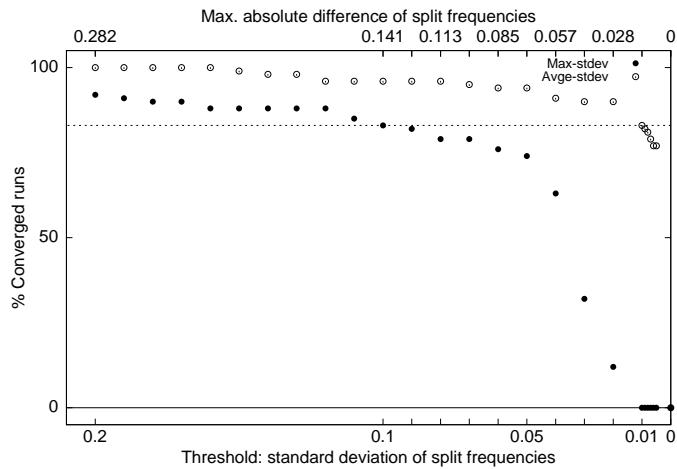
Data Set 12, eSTS II



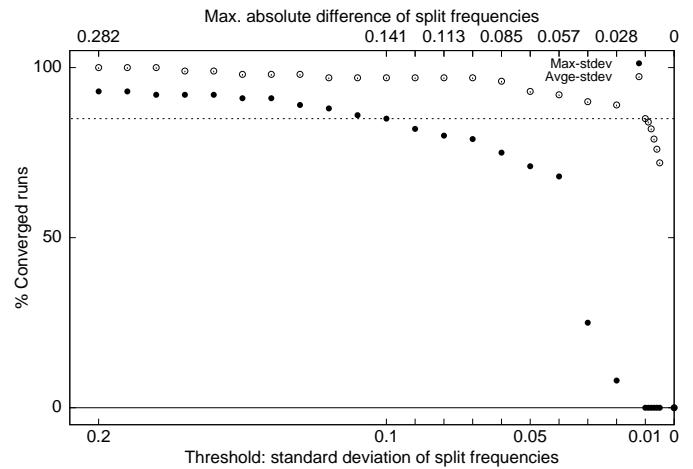
Data Set 12, eSTS III



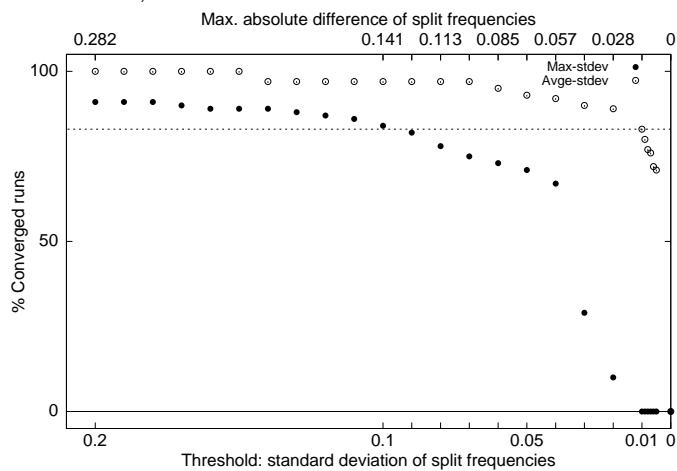
Data Set 12, stNNI I



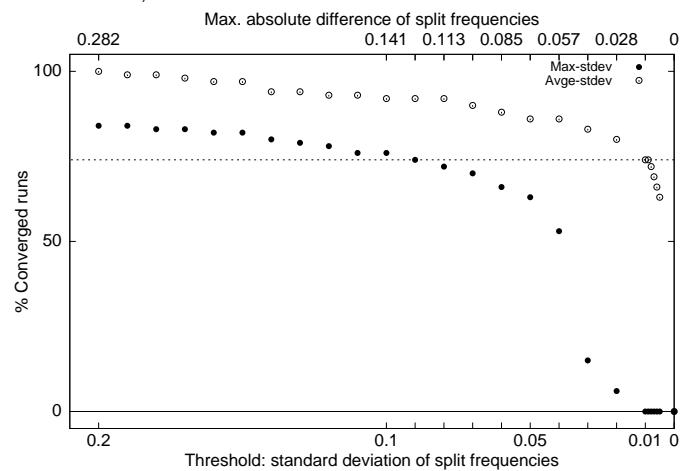
Data Set 12, stNNI II



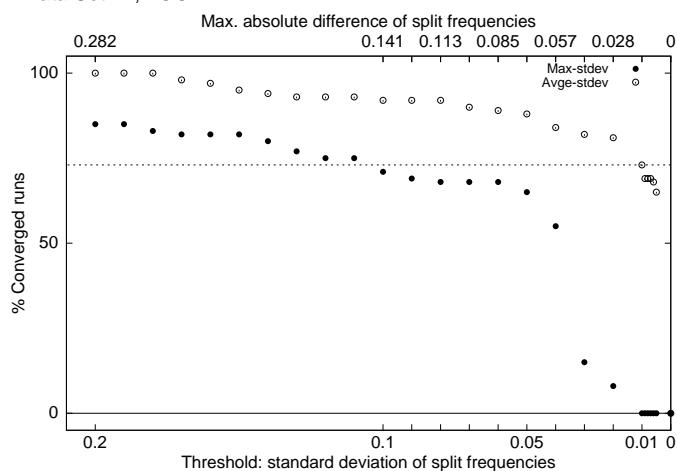
Data Set 12, stNNI III



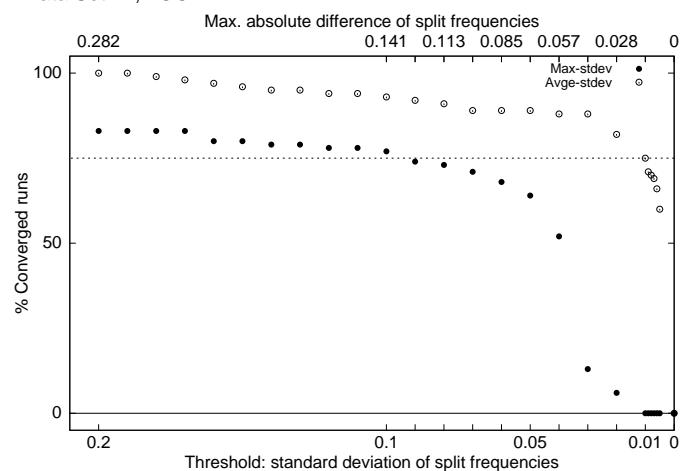
Data Set 12, LOCAL I



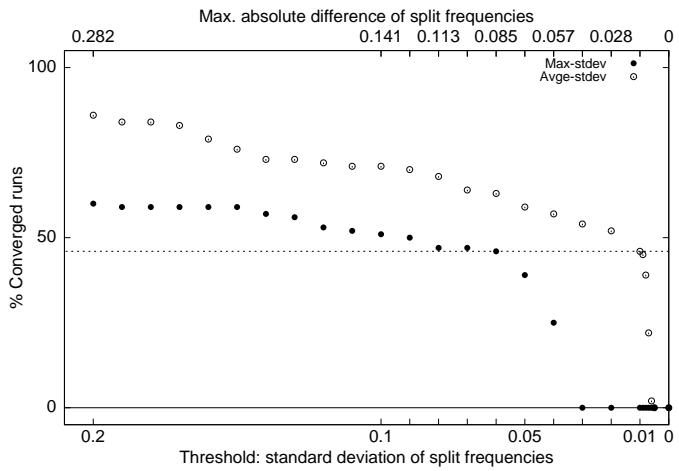
Data Set 12, LOCAL II



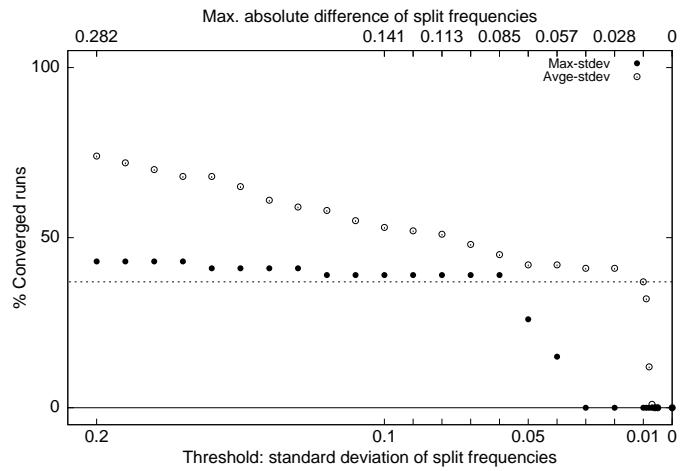
Data Set 12, LOCAL III



Data Set 12, CC I



Data Set 12, CC II



Data Set 12, CC III

