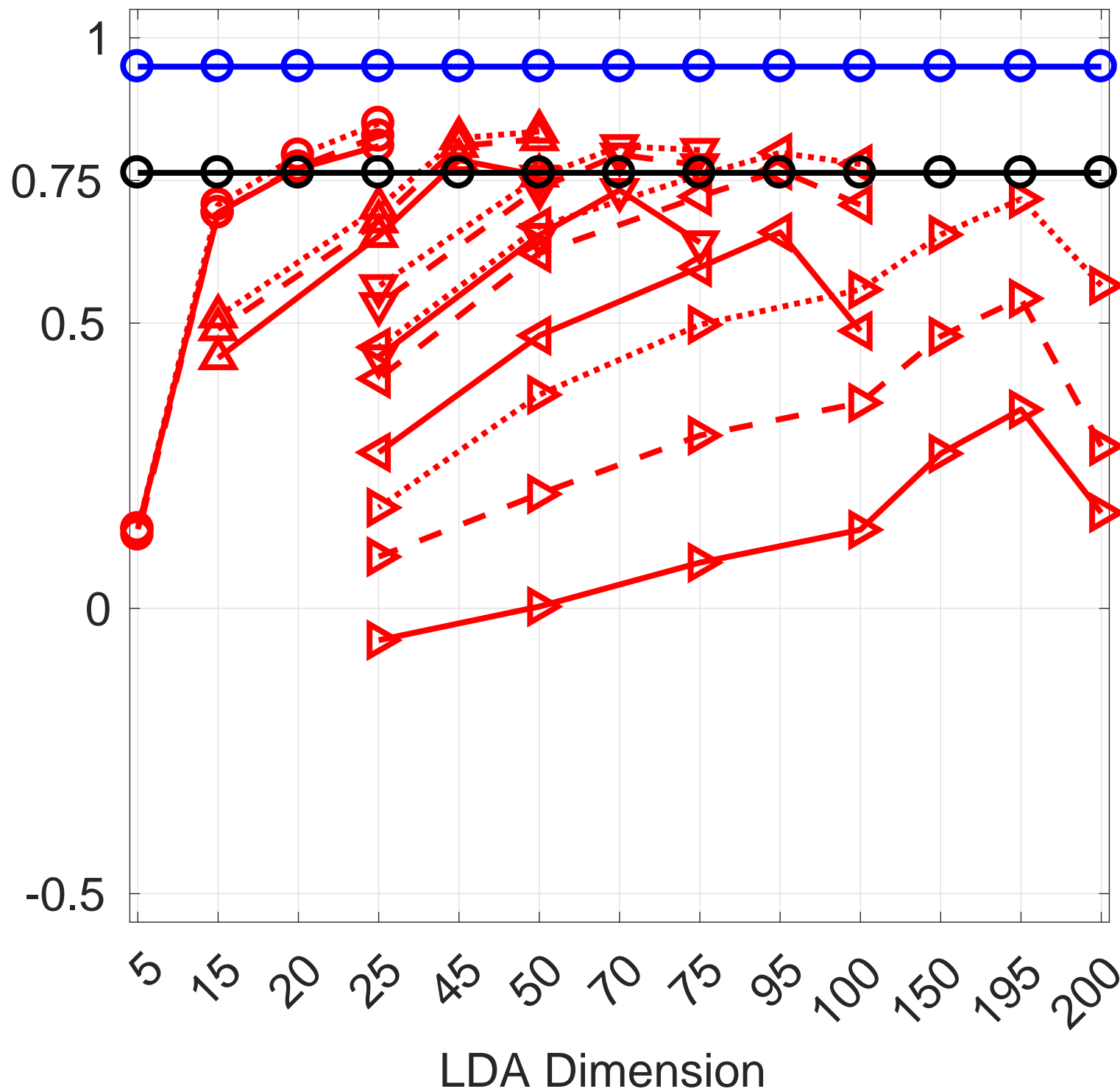PSD Performance versus LDA Dimension