



FIGURE 11. These charts compare  $pve(g)$  (the dashed lines) and  $pve(h)$  (the solid lines) i.e. the percentage of variance explained in missing values before and after applying the frequency pruning algorithm (Subsection 1.2) for the four synthetic data sets. Each plot shows the results for a given data set and set of frequencies to be pruned ( $W_0$  or  $W_1$ ) across all values of  $q$  but only using the linear algorithm for filling in missing values. The algorithms for filling in missing values and frequency pruning sets are described in section 2.1.