Fig. 5. Partial alignment of DsrM proteins from sulfide oxidizers and sulfate reducers. Three gaps are characteristic for sulfide oxidizers, however, they are not present in the sequence from the green sulfur bacterium Chlorobaculum tepidum. In addition, residues that are conserved in sulfate reducers and in Cba. tepidum but not in other sulfide oxidizers are marked in red. Residues that are conserved in sulfide oxidizers except of Cba. tepidum are highlighted in green. Sulfide-oxidizing organisms are boxed. The numbers after the organism names refer to the amino acid sequence range used in the alignment.