

Supplementary Information

Figure S1. The sequence alignment of selected *Desulfovibrio* sp. The blue and black boxes indicate the residues involved in the negatively charged surface and the dimeric interface, respectively.

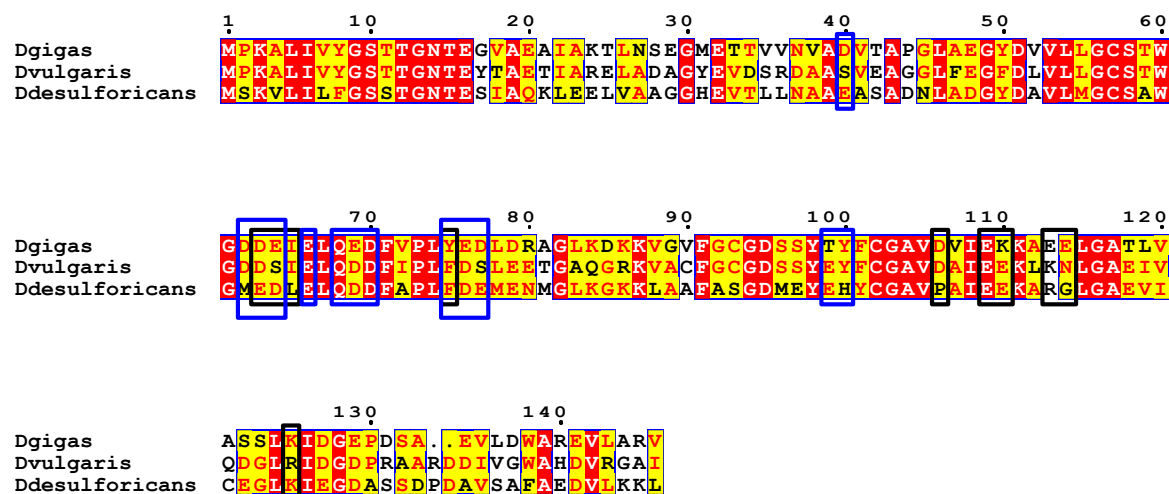


Figure S2. The calculation of the molecular weight by gel filtration. The calculated molecular weight of Fld is ~26 kDa by gel filtration through superdex-G75, which is the twice monomeric molecular weight (15 kDa). Standard materials: Aldolase (158 kDa), Ovalbumin (44 kDa), Ribonuclease (13.7 kDa), Aprotinin (6 kDa).

