

**Table S1. Genomic features of the SRB and FeRB genomes.**

**Table S2: Custom database for EET-related genes belonging to the *Desulfovibrionaceae*, *Geobacteraceae*, and *Shewanellaceae* families.**

**Table S3: Growth conditions of SRB and FeRB genomes.**

**Table S4. Mobilome-related counts found in the genomes of SRB and FeRB genomes.**

**Table S5: Prevalence of mobilome elements in the genomes of SRB and FeRB genomes.**

**Table S6: Counts of *c*-type cytochromes found in the genomes of SRB and FeRB genomes.**