**Analyses of energy metabolism and stress defence provide insights into *Campylobacter concisus* growth and pathogenicity**

**Table S9: Query genes and proteins from *C jejuni* subsp. *jejuni* NCTC 11168 that were used to identify genes and proteins for oxidative and nitrosative stress defence in *C. concisus***

| *Gene name* | *Locus tag* | Function | Reference |
|---|---|---|---|
| *docA* | *cj0020c* | cytochrome C peroxidase with unknown specificity | 10 |
| | *cj0358* | cytochrome C peroxidase with unknown specificity | 10 |
| *ahpC* | *cj0334* | alkyl hydroperoxide reductase is involved in oxidative stress defence possibly from an endogenous organic peroxide | 11 |
| *bcp* | *cj0271* | bacterioferritin comigratory protein acts as a peroxide reductase able to act on a wide variety of compounds including hydrogen peroxide and organic peroxides | 12 |
| *dps* | *cj1534c* | DNA-binding protein involved in sequestration of Fe ions | 13, 14, 15 |
| *katA* | *cj1385* | catalase converts hydrogen peroxide into water and oxygen | 13 |
| *mdaB* | *cj1545c* | reduction of soluble quinones in *Helicobacter pylori* | 13, 16 |
| *msrA* | *cj0637c* | S-isomer specific methionine sulphoxide reductase reduces oxidized S-methionine | 17 |
| *msrB* | *cj1112c* | R-isomer specific methionine sulphoxide reductase reduces oxidized R-methionine | 17 |
| *rrc* | *cj0012c* | desulforubrerythrin is involved in hydrogen peroxide detoxification | 13 |
| *sodB* | *cj0169* | superoxide dismutase converts superoxide to hydrogen peroxide and oxygen | 13 |
| *tpx* | *cj0779* | thiol peroxidase reduces hydrogen peroxide | 12 |
| *cgb* | *cj1586* | single domain hemoglobin involved in nitric oxide detoxification | 18 |
| *ctb* | *cj0465c* | truncated hemoglobin involved in nitric oxide detoxification | 19 |
| *nrfA* | *cj1357c* | nitrite reductase reduces nitrite to ammonia, and is involved in nitric oxide detoxification | 20 |