

**Suppl. Table 1.** Antibody symbol, catalog number, company, dilution ratio, and antibody name for antibodies measured in liver tissue from periparturient dairy cows.

Antibody	Catalog Number	Company	Dilution ratio	Antibody Name
GSTM1	ARP41769_P050	Aviva Systems Biology	1:250	Glutathione S-transferase Mu 1
GSTA4	ARP48555_P050	Aviva Systems Biology	1:250	Glutathione S-transferase A4
GPX3	ARP41491_P050	Aviva Systems Biology	1:250	Glutathione peroxidase 3
MAT1A	AV41398	Sigma	1:250	Methionine adenosyltransferase I A
BHMT	AV41474	Sigma	1:250	Serine-homocysteine methyltransferase
CBS	AV45746	Sigma	1:250	Cystathionine- $\beta$ -synthase
BBOX1	PA5-21477	ThermoFisher	1:200	Gamma butyrobetaine dioxygenase 1

**Suppl. Figure 1.** Representative western blots of target proteins analyzed in liver tissue.

