### Supplemental Table 1. AA composition of hepatic free amino acids (µMol/g) as determined 195 min after the beginning of the infusions.

|                | CON_CONju/CONpo | CON_CONju/LPSpo | CON_LPSju/CONpo | DON_CONju/CONpo | DON_CONju/LPSpo | DON_LPSju/CONpo | P Value |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------|
|                | n               | LMeans | SE       | n               | LMeans | SE       | n               | LMeans | SE       | n               | LMeans | SE       | n               | LMeans | SE       |                 |
| Aspartic acid  |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Glutamic acid  |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Serine         |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Glutamine      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Histidine      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Glycine        |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Threonine      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Citrulline     |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Beta-alanine   |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Arginine       |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| 1-methyl-histidine |         |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| 3-methyl-histidine |           |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Alanine        |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Carnitine      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Taurine        |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Tyrosine       |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Cystathionine 1|                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Cystathionine 2|                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Valine         |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Methionine     |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Tryptophan     |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Phenylalanine  |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Isoleucine     |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Ornithine      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Leucine        |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Lysine         |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |
| Proline        |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |                 |        |                      |

**Notes:**
- CON_CONju/CONpo, uncontaminated control diet (CON), placebo NaCl infusion (CONju/CONpo).
- CON_CONju/LPSpo, CON, LPS infusion via portal vein (LPSpo).
- CON_LPSju/CONpo, CON, LPS infusion via jugular vein (LPSju).
- DON_CONju/CONpo, deoxynivalenol contaminated diet (DON), CONju/CONpo.
- DON_CONju/LPSpo, DON, LPSpo.
- DON_LPSju/CONpo, DON, LPS infusion via jugular vein (LPSju).
**Supplemental Table 2.** Amino acid composition of hepatic protein-bound amino acids (µMol/g) as determined 195 min after the beginning of the infusions.

| n    | CON_CONju/CONpo | CON_CONju/LPSpo | CON_LPSju/CONpo | DON_CONju/CONpo | DON_CONju/LPSpo | DON_LPSju/CONpo | P Value |
|------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------|
|      | LSmearns        | SE              | LSmearns        | SE              | LSmearns        | SE              |         |
| Glutamic acid | 131.3±3.3       | 133.1±2.2       | 132.4±3.0       | 131.8±2.5       | 129.7±2.8       | 133.8±1.6       | 0.924   |
| Serine    | 69.7±1.3        | 71.4±1.5        | 71.2±0.6        | 70.1±1.0        | 70.3±1.0        | 72.5±0.8        | 0.451   |
| Glycine   | 103.0±2.8       | 101.7±1.9       | 107.6±2.4       | 104.4±1.9       | 103.8±0.8       | 107.0±1.3       | 0.289   |
| Threonine | 59.0±1.0        | 59.0±0.8        | 58.5±1.1        | 59.5±1.0        | 57.3±0.8        | 59.1±0.9        | 0.663   |
| Arginine  | 54.1±0.9        | 53.7±0.6        | 54.0±0.8        | 55.0±0.8        | 53.2±0.6        | 54.1±0.9        | 0.723   |
| Tyrosine  | 24.4±0.7        | 24.0±0.5        | 23.0±0.7        | 24.0±0.3        | 22.6±0.5        | 23.4±0.7        | 0.243   |
| Methionine| 18.0±0.5        | 17.3±0.4        | 16.6±0.6        | 17.9±0.2        | 16.3±0.3        | 17.0±0.6        | 0.062   |
| Phenylalanine | 46.0±0.6       | 47.4±1.6        | 48.8±1.1        | 45.6±0.8        | 48.1±1.0        | 49.6±1.6        | 0.111   |
| Isoleucine| 54.7±1.3        | 52.6±1.6        | 50.9±2.7        | 55.4±1.2        | 49.8±1.3        | 50.9±2.5        | 0.232   |
| Lysine    | 105.2±1.5       | 107.8±2.6       | 109.3±2.4       | 106.4±2.7       | 109.1±2.4       | 111.3±3.1       | 0.585   |
| Proline   | 58.9±2.4        | 61.9±4.7        | 56.7±3.4        | 59.1±2.1        | 66.2±4.6        | 63.8±2.9        | 0.367   |

*CON_CONju/CONpo,* uncontaminated control diet (CON), placebo NaCl infusion (CONju/CONpo), *CON_CONju/LPSpo,* CON, LPS infusion via portal vein (LPSpo), *CON_LPSju/CONpo,* CON, LPS infusion via jugular vein (LPSju), *DON_CONju/CONpo,* deoxynivalenol contaminated diet (DON), *CONju/CONpo,* DON_CONju/LPSpo, DON, LPSpo, DON_LPSju/CONpo, DON, LPSju.