

**Supplementary Table S1.** Urea cycle related primers used for quantitative real-time PCR

| Gene         | Accession NO. | Forward primer (5'→3') | Reverse primer (5'→3') | Product (bp) |
|--------------|---------------|------------------------|------------------------|--------------|
| <i>Asl</i>   | NM_021577.3   | AGCCATCCGAAGCTGTTTGA   | CCCCGCCTCCTGTGATCT     | 123          |
| <i>Ass1</i>  | NM_013157.3   | AGAGCTGGTGAGCATGAACG   | TATTTGGCGGTGACCTTGCT   | 123          |
| <i>Cps1</i>  | NM_017072.2   | TGAGTGGGTCTGCCATGAAC   | ATGGGAGATGACCCGTCCTT   | 170          |
| <i>Gapdh</i> | NM_017008.4   | GAAGGTCGGAGTCAACGGATT  | CGCTCCTGGAAGATGGTGAT   | 229          |