**Supplemental data Table 2:** Serum analysis of naïve and influenza A virus-infected mice

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| **Serum parameter**  | **Pre-infection** | **Post-infection** | **Normal values\*** |
| **HSD** | **NSD** | **LSD** | **HSD** | **NSD** | **LSD** |
| Sodium (mEq/L) | 150.9 ± 1.9 | 151.4 ± 1.6 | 151.6 ± 2.2 | 151.5 ± 1.7 | 150.1 ± 0.9 | 149.8 ± 5.8 | 144.0 ± 40.4 |
| Total Protein (g/dl) | 5.4 ± 0.3 | 5.3 ± 0.3 | 5.6 ± 0.2 | 5.6 ± .02 | 5.7 ± 0.2 | 5.6 ± 0.3 | 5.6 ± 1 |
| Albumin (g/dl) | 3.5 ± 0.1 | 3.3 ± 0.2 | 3.3 ± 0.2 | 3.3 ± 0.1 | 3.2 ± 0.1 | 3.2 ± 0.1 | 3.3 ± 0.6 |
| Potassium (mEq/L) | 6.3 ± 0.2 | 6.5 ± 0.3 | 6.7 ± 0.5 | 5.5 ± 0.3 | 5.4 ± 0.2 | 6.2 ± 1.2 | 16.5 ± 28.0 |
| Chloride (mEq/L) | 114.3 ± 2.6 | 113.7 ± 1.1 | 113.5 ± 2.3 | 107.9 ± 2.3 | 107.0 ± 1.4 | 110.0 ± 2.4 | 120.4 ± 10.3 |
| Alkaline phosphatase (U/L) | 167.0 ± 19.5 | 201.0 ± 11.3 | 196.8 ±30.9 | 417.0 ± 58.5 | 426.3 ± 90.9 | 411.0 ± 115.1 | 234.5 ± 93.4 |
| Alanine aminotransferase (U/L) | 18.6 ± 2.7 | 15.0 ± 2.2 | 18.2 ± 1.6 | 31.0 ± 7.8 | 23.3 ± 2.1 | 28.8 ± 7.8 | 50.5 ± 37.2 |
| Aspartate aminotransferase (U/L) | 49.6 ± 6.8 | 53.0 ± 3.9 | 52.2 ± 9.1 | 84.8 ± 30.6 | 65.3 ± 12.7 | 77.0 ± 17.9 | 126.5 ± 133.3 |
| Total bilirubin (mg/dl) | 0.3 ± 0.0 | 0.3 ± 0.1 | 0.3 ± 0.1 | 0.3 ± .01 | 0.2 ± 0.1  | 0.3 ± 0.1 | 0.3 ± 0.1 |
| Phosphorus (mg/dl) | 8.7 ± 0.9 | 9.3 ± 0.7 | 9.4 ± 0.9 | 6.9 ± 0.4 | 6.9 ± 0.5 | 7.5 ± 1.2 | 10.0 ± 1.2 |
| Blood urea nitrogen (mg/dl) | 20.6 ± 3.4 | 18.5 ± 3.4 | 20.0 ± 1.4 | 18.3 ± 1.3 | 18.0 ± 2.0 | 18.8 ± 2.1 | 13.8 ± 6.6 |
| Cholesterol (mg/dl) | 91.8 ± 8.1 | 95.5 ± 15.8 | 110.4 ± 9.9 | 93.8 ± 29.1 | 111.0 ± 33.3 | 103.3 ± 27.3 | 102.0 ± 24.8 |

Serum specimen collected from HSD, NSD, LSD groups of mice, prior to and post influenza infection (day 6), were assayed for serum clinical chemistry parameters. Values represent mean±SD. \* Loeb, W.F and Quimby, F.W., Laboratory Animal Medicine (2nd edition), Elsevier Inc., 2002.