

**Table S1.** Initial morphological and biochemical blood parameters of experimental animals.

| Indicators, units                 | Reference values | Control    | Control + myco-toxins | Cello-bacterin | Synbiotic low dose | Synbiotic low dose+ mycotoxins | Synbiotic high dose | Synbiotic high dose+ mycotoxins |
|-----------------------------------|------------------|------------|-----------------------|----------------|--------------------|--------------------------------|---------------------|---------------------------------|
| Hemoglobin, g/L                   | 95 - 126         | 93.9 ± 0.4 | 95.6 ± 2.7            | 92.1 ± 3.8     | 94.1 ± 3.1         | 94.9 ± 2.4                     | 92.8 ± 3.6          | 93.5.2 ± 2.7                    |
| Platelets, 10 <sup>9</sup> /L     | 260 - 700        | 515.4 ± 41 | 374.4 ± 26.3          | 457.7 ± 28.7   | 442.9 ± 18.2       | 403 ± 25.2                     | 436.9 ± 21.4        | 488.2 ± 31.5                    |
| Erythrocytes, 10 <sup>12</sup> /L | 5.5 - 8.0        | 4.3 ± 0.1  | 4.3 ± 0.2             | 3.8 ± 0.2      | 3.8 ± 0.1          | 4.6 ± 0.2                      | 4.3 ± 0.2           | 5 ± 0.1                         |
| Leukocytes, 10 <sup>9</sup> /L    | 5.0 - 10.0       | 7.1 ± 0.3  | 6.9 ± 0.29            | 7.7 ± 0.4      | 6.6 ± 0.2          | 7.9 ± 0.4                      | 7.1 ± 0.5           | 7 ± 0.4                         |
| ESR, mm/h                         | 0 - 13           | 0          | 0                     | 0              | 0                  | 0                              | 0                   | 0                               |
| Basophils                         | 0 - 1            | 0          | 0                     | 0              | 0                  | 0                              | 0                   | 0                               |
| Eosinophils                       | 1 - 8            | 5 ± 1.6    | 4.3 ± 0.4             | 3.6 ± 0.7      | 3.6 ± 0.4          | 4.7 ± 0.5                      | 4.1 ± 0.5           | 5 ± 0.3                         |
| Neutrophils:                      |                  |            |                       |                |                    |                                |                     |                                 |
|                                   | 0 - 1            | 0          | 0                     | 0              | 0                  | 0                              | 0                   | 0                               |
| Young                             | 1 - 8            | 3.9 ± 0.4  | 4.1 ± 0.5             | 4.3 ± 0.3      | 2.2 ± 0.3          | 3.3 ± 0.3                      | 2.2 ± 0.3           | 3.9 ± 0.4                       |
| stab                              | 28 - 53          | 32.5 ± 1.1 | 30.3 ± 1.1            | 29 ± 2.25      | 32.2 ± 1.2         | 31.9 ± 1.1                     | 31.3 ± 1            | 30.9 ± 0.58                     |
| Segmented                         | 0.5 - 6          | 0.8 ± 0.2  | 1.3 ± 0.3             | 1.5 ± 0.2      | 1.1 ± 0.3          | 1.2 ± 0.2                      | 1.3 ± 0.3           | 1.1 ± 0.27                      |
| Monocytes                         | 42 - 71          | 57.8 ± 1.2 | 60 ± 1.35             | 61.6 ± 2       | 60.9 ± 1.4         | 57.9 ± 1                       | 61.1 ± 1.5          | 59.1 ± 0.79                     |
| Lymphocytes                       | 1.6 - 5.0        | 3.1 ± 0.3  | 5 ± 0.66              | 3.1 ± 0.58     | 3.6 ± 0.34         | 4.5 ± 0.47                     | 2.6 ± 0.49          | 2.4 ± 0.31                      |
| Total cholesterol, mmol/L         | 62 - 82          | 71.3 ± 1.9 | 76.4 ± 1.9            | 73.1 ± 1.6     | 72.9 ± 2.03        | 77 ± 2.8                       | 74 ± 2.25           | 72 ± 2.3                        |
| Total protein, g/L                | 2.3 - 4.1        | 3 ± 0.1    | 3.45 ± 0.1            | 3.3 ± 0.1      | 3.39 ± 0.1         | 3.3 ± 0.1                      | 3.5 ± 0.1           | 3.17 ± 0.1                      |

|                              |           |             |             |             |             |              |             |              |
|------------------------------|-----------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|
| Glucose, mmol/L              | 0.7 - 14  | 6.2 ± 0.9   | 2.5 ± 0.04  | 6.2 ± 1.25  | 2.45 ± 0.8  | 2.51 ± 0.05  | 7 ± 0.9     | 8.3 ± 1.2    |
| Bilirubin:                   | 0.2 - 5.2 | 0.7 ± 0.13  | 0.7 ± 1.58  | 0.76 ± 0.27 | 0.73 ± 0.6  | 0.5 ± 0.16   | 0.93 ± 0.27 | 0.74 ± 0.19  |
| Total, mmol/L                | 45 - 110  | 77.1 ± 6.1  | 108.4 ± 6.1 | 88.5 ± 7.5  | 80.6 ± 3.5  | 94.3 ± 5.2   | 80 ± 7.2    | 75.8 ± 6.4   |
| Bilirubin conjugated, mmol/L | 18 - 153  | 109.9 ± 8.8 | 232 ± 35.43 | 81.7 ± 18.2 | 99.8 ± 13.9 | 162.7 ± 19.6 | 61.2 ± 0.8  | 95.8.2 ± 9.3 |
| ASAT U/L                     | 8.3 - 53  | 31.2 ± 4.2  | 28.4 ± 1.85 | 30.1 ± 3.2  | 30.1 ± 2.8  | 37.8 ± 2.09  | 32.4 ± 4.2  | 32.2 ± 4.8   |
| Alkaline phosphatase U/L     | 2.8 - 8.8 | 5.04 ± 0.6  | 4.1 ± 0.4   | 4.7 ± 0.4   | 5.4 ± 0.5   | 3.1 ± 0.29   | 6 ± 0.4     | 6.2 ± 0.6    |
| ALT U/L                      | 56 - 162  | 88.3 ± 5.7  | 93.7 ± 8.5  | 83 ± 2.3    | 85.4 ± 2.8  | 78 ± 6.01    | 82.4 ± 3.4  | 98.3 ± 9.9   |
| Urea, mmol/L                 | 41 - 98   | 63.2 ± 5.3  | 90.9 ± 20.8 | 62.6 ± 7.75 | 61.7 ± 4.9  | 70.8 ± 5.7   | 82.5 ± 4.6  | 67.1 ± 5.4   |

**Table S2.** Morphological and biochemical parameters of the blood of experimental animals at the end of the experiment.

| Indicators, units                 | Reference values | Control      | Control + myco-toxins | Cello-bacterin | Synbiotic low dose | Synbiotic low dose+ mycotoxins | Synbiotic high dose | Synbiotic high dose+ mycotoxins |
|-----------------------------------|------------------|--------------|-----------------------|----------------|--------------------|--------------------------------|---------------------|---------------------------------|
| Hemoglobin, g/L                   | 95 - 126         | 98.7 ± 3.3   | 100.4 ± 3.7           | 100.4 ± 2.9    | 94.7 ± 2.2         | 101 ± 3.1                      | 98.1 ± 2.1          | 100.2 ± 3.3                     |
| Platelets, 10 <sup>9</sup> /L     | 260 - 700        | 418.4 ± 18.1 | 407.4 ± 19.3          | 413.6 ± 22.1   | 405.9 ± 26.2       | 427 ± 26.7                     | 414.9 ± 26.6        | 401.6 ± 29.3                    |
| Erythrocytes, 10 <sup>12</sup> /L | 5.5 - 8.0        | 6.4 ± 0.18   | 6.6 ± 0.2             | 6.3 ± 0.1      | 6.3 ± 0.18         | 6.6 ± 0.2                      | 6.4 ± 0.15          | 6.3 ± 0.17                      |
| Leukocytes, 10 <sup>9</sup> /L    | 5.0 - 10.0       | 6.2 ± 0.23   | 6.7 ± 0.2             | 6.1 ± 0.26     | 6.6 ± 0.2          | 6.5 ± 0.47                     | 6.5 ± 0.52          | 6.2 ± 0.2                       |
| ESR, mm/h                         | 0 - 13           | 0            | 0                     | 0              | 0                  | 0                              | 0                   | 0                               |
| Basophils                         | 0 - 1            | 0            | 0                     | 0              | 0                  | 0                              | 0                   | 0                               |
| Eosinophils                       | 1 - 8            | 3.5 ± 0.6    | 4.2 ± 0.2             | 2.6 ± 0.3      | 1.3 ± 0.4          | 4 ± 0.3                        | 2.6 ± 0.3           | 3.4 ± 0.5                       |
| Neutrophils:                      |                  |              |                       |                |                    |                                |                     |                                 |
|                                   | 0 - 1            | 0            | 0                     | 0              | 0                  | 0                              | 0                   | 0                               |
| Young                             | 1 - 8            | 3.5 ± 0.5    | 4.1 ± 0.4             | 3.6 ± 0.7      | 3.8 ± 0.6          | 4.8 ± 0.5                      | 2.7 ± 0.6           | 3.2 ± 0.4                       |

|                              |           |              |             |              |               |              |               |              |
|------------------------------|-----------|--------------|-------------|--------------|---------------|--------------|---------------|--------------|
| stab                         | 28 - 53   | 30.6 ± 0.7   | 31.7 ± 1.04 | 31.6 ± 0.7   | 31.2 ± 1      | 32.2 ± 1.15  | 30.4 ± 0.8    | 31.1 ± 0.58  |
| Segmented                    | 0.5 - 6   | 1.7 ± 0.3    | 1.4 ± 0.2   | 1.6 ± 0.4    | 1.5 ± 0.2     | 1.6 ± 0.3    | 1.8 ± 0.3     | 1.6 ± 0.3    |
| Monocytes                    | 42 - 71   | 60.7 ± 0.9   | 58.6 ± 1.4  | 60.6 ± 1.5   | 60.4 ± 1.44   | 56.5 ± 2.2   | 62.5 ± 1.44   | 60.7 ± 1.02  |
| Lymphocytes                  | 1.6 - 5.0 | 3.44 ± 0.12  | 3.07 ± 0.2  | 3.26 ± 0.12  | 2.96 ± 0.18   | 2.81 ± 0.32  | 3.23 ± 0.12   | 3.36 ± 0.12  |
| Total cholesterol, mmol/L    | 62 - 82   | 75.9 ± 1.6   | 71.4 ± 1.3  | 73.7 ± 1.3   | 72.6 ± 1.6    | 72.2 ± 1.23  | 73.8 ± 0.8    | 75.4 ± 1.8   |
| Total protein, g/L           | 2.3 - 4.1 | 2.9 ± 0.1    | 3.15 ± 0.1  | 3.39 ± 0.1   | 3.14 ± 0.1    | 3.33 ± 0.1   | 3.24 ± 0.1    | 2.9 ± 0.1    |
| Glucose, mmol/L              | 0.7 - 14  | 2.99 ± 0.18  | 2.25 ± 0.18 | 3.42 ± 0.2   | 2.65 ± 0.18   | 2.68 ± 0.41  | 3.65 ± 0.2    | 3.11 ± 0.19  |
| Bilirubin:                   | 0.2 - 5.2 | 0.42 ± 0.08  | 0.36 ± 0.07 | 0.36 ± 0.06  | 0.52 ± 0.09   | 0.48 ± 0.06  | 0.34 ± 0.06   | 0.44 ± 0.07  |
| Total, mmol/L                | 45 - 110  | 71.5 ± 1.8   | 68.2 ± 3.6  | 74.9 ± 2.3   | 73 ± 1.9      | 78.2 ± 3.18  | 71.9 ± 2.4    | 79.4 ± 1.9   |
| Bilirubin conjugated, mmol/L | 18 - 153  | 309.9 ± 25   | 248 ± 23.4* | 83.8 ± 6.7** | 84.2 ± 6.01** | 116 ± 5.76** | 74.8 ± 2.02** | 317.2 ± 19.7 |
| ASAT U/L                     | 8.3 - 53  | 29.3 ± 2.3   | 29.8 ± 2.3  | 33.1 ± 1.07  | 31.9 ± 0.9    | 32.9 ± 2.3   | 33.7 ± 0.9    | 28.6 ± 2.4   |
| Alkaline phosphatase U/L     | 2.8 - 8.8 | 4.07 ± 0.18  | 4.31 ± 0.18 | 3.83 ± 0.2   | 4.03 ± 0.2    | 4.2 ± 0.2    | 3.95 ± 0.2    | 4.23 ± 0.18  |
| ALT U/L                      | 56 - 162  | 89.1 ± 1.9   | 79.3 ± 1.48 | 99.9 ± 5.6   | 88 ± 2.5      | 81.7 ± 1.6   | 95.4 ± 2.3    | 90.3 ± 2.1   |
| Urea, mmol/L                 | 41 - 98   | 211.5 ± 11.5 | 177.6 ± 6.2 | 78.2 ± 2.3   | 72 ± 1.7      | 72.8 ± 2.47  | 76.7 ± 2.1    | 208.8 ± 10.5 |

Differences from the control: \*-  $p < 0.05$  \*\* -  $p < 0.01$ .