**Supplement Table 1.** Basic metabolic panel of mice with multi organ immune infiltration.

| Test           | Non-Responders | Responders | Normal Range   |
|----------------|----------------|------------|----------------|
| Total Protein  | 5.5            | 6.6        | 3.5-7.2 g/dl   |
| Albumin        | 2.65           | 3.2        | 2.5-3.4 g/dl   |
| Alk Phosp      | 47             | 89         | 35-96 U/L      |
| Glucose        | 363.5          | 404        | 62-175 mg/dl   |
| Total Bilirubin| 0.7            | 0.6        | 0.0-0.9 mg/dl  |
| Phosphorus     | >15            | >15        | 5.7-9.2 mg/dl  |
| Cholesterol    | 100            | 97         | 40-130 mg/dl   |
| GGT            | <10            | <10        | 10-40 mg/dl    |
| ALT            | 24             | 35         | 17-77 U/L      |
| Calcium        | 12.15          | 13         | 7.1-10.1 mg/dl |
| Creatinine     | 0.2            | 0.3        | 0.2-0.9 mg/dl  |
| BUN            | 28             | 28.5       | 8-33 mg/dl     |
Minimal data set: Figure 2A
### Minimal data set: Figure 2B

| Date | Preparation | T-bars               |
|------|-------------|----------------------|
| 18   | 22          | 16                   |
| 24   | 20          | 15                   |
| 36   | 21          | 14                   |
| 48   | 23          | 13                   |
| 58   | 20          | 12                   |
| 66   | 21          | 11                   |
| 78   | 20          | 10                   |
| 90   | 21          | 9                    |
| 108  | 22          | 8                    |
| 120  | 23          | 7                    |
| 144  | 24          | 6                    |
| 162  | 21          | 5                    |

*Note: The table represents data collected over a series of dates (18, 24, 36, etc.) and includes measurements for preparation and various T-bars.*
| Days | Untreated (just for reference) | PD1/CTL|PD1/Prednisone | PD-1/CTL|PD1 (Responders) | PD-1/CTL|PD1 (Non-Responders) |
|------|--------------------------------|--------|----------------|--------|------------------|--------|---------------------|
| 2    | -3 13.1*                       | 75.2   | 32.4           | 78.9   | 64.1             | 73.3   | 33.4                | 62.5   | 99.1   | 77.9   | 69.3   |
| 3    | -3 35.3*                       | 87.1   | 43.4           | 89.9   | 103.1            | 109    | 46.7                | 89.8   | 138.6  | 115    | 103.5  |
| 4    | -1 47.5*                       | 91.4   | 55.6           | 87.9   | 83.6             | 91.4   | 59.4                | 100.8  | 162.5  | 141.2  | 169.8  |
| 5    | 0 61.2*                        | 69.5   | 47.9           | 66.1   | 90.4             | 93.4   | 56.8                | 104.8  | 97.7   | 197.0  | 117.3  |
| 6    | 1 86.2*                        | 94.3   | 84.9           | 123.4  | 92.1             | 101.4  | 65.7                | 129.8  | 149.1  | 162.7  | 137.4  |
| 7    | 2 78.7*                        | 94.4   | 68.1           | 136.3  | 119.7            | 153.2  | 65.5                | 150.4  | 134.8  | 214.4  | 163.2  |
| 8    | 3                             | 82.7   | 59.3           | 118.2  | 130.7            | 131.2  | 50.3                | 172.5  | 160.1  | 271.5  | 160.9  |
| 9    | 4 90.8*                        | 85.1   | 44.1           | 99.8   | 106.7            | 123.2  | 50.3                | 196.2  | 173.1  | 180.4  | 194.5  |
| 10   | 5 97.8*                        |        |                |        |                  |        |                    | 57.2   |        |        |        |
| 11   | 6 107.2*                       | 68.4   | 77.7           | 80.3   | 109.6            | 83.1   | 39.4                | 257.9  | 222.1  | 328.3  | 215.8  |
| 12   | 7 116*                         |        |                |        |                  |        |                    | 47.8   |        |        |        |
| 13   | 8 133*                         | 92.7   | 69.6           | 72.5   | 81.3             | 34     | 47.6                | 304.1  | 313.6  | 234.1  | 278.7  |
| 14   | 9 127.5*                       |        |                |        |                  |        |                    | 67     |        |        |        |
| 15   | 10                             |        |                |        |                  |        |                    |        |        |        |        |
| 16   | 11 166.7*                      | 116.9  | 105.3          | 73.3   | 65.5             | 21.2   | 77                  | 454    | 479.5  | 491.5  | 397.4  |
| 17   | 12 229.9*                      |        |                |        |                  |        |                    | 51.9   |        |        |        |
| 18   | 13 242.6*                      | 124.9  | 147.7          | 59     | 51.7             | 8.5    | 89.8                | 448.2  | 548.3  | 557.5  | 445.5  |
| 19   | 14 271.7*                      |        |                |        |                  |        |                    | 109.8  |        |        |        |
| 20   | 15 287.1*                      | 218.8  | 265.4          | 75     | 94.2             | 0      | 137.2               | 795.5  | 726.7  | 870.3  | 591.6  |
| 21   | 16 337.5*                      |        |                |        |                  |        |                    | 141.6  |        |        |        |
| 22   | 17 494.3*                      |        |                |        |                  |        |                    | 146.7  |        |        |        |
| 23   | 18 500.6*                      | 406.8  | 339.9          | 153.1  | 133.3            | 0      | 147.7               | 993.8  | 1237.5 | 1243.8 | 779.8  |
| 24   | 19 604.5*                      | 415.5  | 321.6          | 157.3  | 129.9            | 0      | 164.8               | 944.5  | 1059.7 | 1334.2 | 825.6  |
| 25   | 20 657.1*                      | 577.6  | 667.9          | 282.5  | 202.3            | 0      | 208.1               | 1347.8 | 1295.1 | 1444.5 | 986.6  |
| 26   | 21 703.1*                      | 743.8  | 741.2          | 286.4  | 259.3            | 0      | 229.9               | 1326.9 | 1448.9 | 1806.4 | 952.2  |
| 27   | 22 1706.7*                     | 1416.5 | 1736.3         | 629.9  | 854.9            | 0      | 289.1               | 1966.6 | 2224.3 | 3192.8 | 1371.6 |