Source data for figures in **“Elucidation of the immunological responses underpinning severe fever with thrombocytopenia syndrome reveals IL-6 as novel therapeutic target.”** by Bryden *et al*, 2021.

|  |  |  |
| --- | --- | --- |
| **Tab** | **Figure** | **Description of data presented*****Unit of measure*** |
| 1 | 1a | Animal survival curve for Kaplan-Meier plot *0= survival, 1 = death of animal; PID = Post Infection Day* |
| 2 | 1b | Clinical scoring of animals infected with viruses (PID0-PID12)*0= No symptoms, 1= mild symptoms, 2= any moderate symptom, 3= any advanced symptom or 3 or more moderate symptoms. A score of 3, considered a humane endpoint.* |
| 3 | 1c | Percentage weight loss of animals infected with viruses (PID0-PID12)*Percentage of starting weight* |
| 4 | 1d | Tissue titers for mock, delNSs SFTSV or wt SFTSV-infected animals, measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 5 | 1e | Serum titer for mock, delNSs SFTSV or wt SFTSV-infected animals*Virus titer (FFU/ml)* |
| 6 | 1f | Immunohistochemistry images (No associated raw data) |
| 7 | 1g | Animal survival curve for Kaplan-Meier plot *0= survival, 1 = death of animal; PID = Post Infection Day* |
| 8 | 2a | FACS data plots (No associated raw data) |
| 9 | 2b | Immunofluorescence images (No associated raw data) |
| 10 | 2c | Tissue titers for wt SFTSV-infected animals (dLN and spleen), measured by qPCR.*copies of SFTSV RNA/107 copies of 18S*Serum titer for wt SFTSV-infected animals (blood)*Virus titer (FFU/ml)* |
| 11 | 3a | Granulocyte counts for mock, delNSs SFTSV or wt SFTSV-infected animals*% granulocytes (of total leukocytes)* |
| 12 | 3b | Monocytes counts for mock, delNSs SFTSV or wt SFTSV-infected animals*% monocytes (of total leukocytes)* |
| 13 | 3c | Platelet counts for mock, delNSs SFTSV or wt SFTSV-infected animals*103/μL* |
| 14 | 3d | Neutrophil counts in dLN and spleen of mock, delNSs SFTSV or wt SFTSV-infected animals*% Neutrophils of CD45+ cells; data from FACS analysis* |
| 15 | 3e | Macrophages counts in dLN and spleen of mock, delNSs SFTSV or wt SFTSV-infected animals*% Macrophages of CD45+ cells; data from FACS analysis* |
| 16 | 3f | Dendritic cell counts in dLN and spleen of mock, delNSs SFTSV or wt SFTSV-infected animals*% cd11b dendritic cells of CD45+ cells; data from FACS analysis* |
| 17 | 3g | Animal survival curve for Kaplan-Meier plot *0= survival, 1 = death of animal; PID = Post Infection Day* |
| 18 | 3h | FACS data plots (No associated raw data) |
| 19 | 4a | Luminex assay data for lymph nodes of mock, delNSs SFTSV or wt SFTSV-infected animals.*ng/sample* |
| 20 | 4b | Luminex assay data for spleen of mock, delNSs SFTSV or wt SFTSV-infected animals.*ng/sample* |
| 21 | 4c | Luminex assay data for serum of mock, delNSs SFTSV or wt SFTSV-infected animals.*ng/sample* |
| 22 | 4d | Level of IFNƔ, IL-6 or IL-10 present in lymph node samples of mock, delNSs SFTSV or wt SFTSV-infected animals, measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 23 | 4e | Level of IFNƔ, IL-6 or IL-10 present in spleen samples of mock, delNSs SFTSV or wt SFTSV-infected animals, measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 24 | 5a | Tissue titers for wt SFTSV-infected IFNAGR-/- animals (dLN), measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 25 | 5b | Tissue titers for wt SFTSV-infected IFNAGR-/- animals (Spleen), measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 26 | 5c | Serum titer for wt SFTSV-infected IFNAGR-/- animals (Blood), measured by qPCR.*Virus titer (FFU/ml)* |
| 27 | 5d | Animal survival curve for Kaplan-Meier plot *0= survival, 1 = death of animal; PID = Post Infection Day* |
| 28 | 6a | Animal survival curve for Kaplan-Meier plot *0= survival, 1 = death of animal; PID = Post Infection Day* |
| 29 | 6b | Animal survival curve for Kaplan-Meier plot *0= survival, 1 = death of animal; PID = Post Infection Day* |
| 30 | S1a | Serum titer for mock, delNSs SFTSV or wt SFTSV-infected hSTAT2KI animals (Blood).*Virus titer (FFU/ml)* |
| 31 | S1b | Tissue titers for mock, delNSs SFTSV or wt SFTSV-infected hSTAT2KI animals (dLN), measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 32 | S1c | Tissue titers for mock, delNSs SFTSV or wt SFTSV-infected hSTAT2KI animals (Spleen), measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 33 | S1d | Tissue titers for mock, delNSs SFTSV or wt SFTSV-infected hSTAT2KI animals (Liver), measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 34 | S1e | Tissue titers for mock, delNSs SFTSV or wt SFTSV-infected hSTAT2KI animals (Kidney), measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 35 | S1f | Tissue titers for mock, delNSs SFTSV or wt SFTSV-infected hSTAT2KI animals (Lung), measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 36 | S1g | Tissue titers for mock, delNSs SFTSV or wt SFTSV-infected hSTAT2KI animals (Small Intestine), measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 37 | S1h | Tissue titers for mock, delNSs SFTSV or wt SFTSV-infected hSTAT2KI animals (Brain), measured by qPCR.*copies of SFTSV RNA/107 copies of 18S* |
| 38 | S2a | Pathological examination of infected animal tissues by haematoxylin and eosin staining (No associated raw data). |
| 39 | S2b | Pathological examination of infected animal tissues by haematoxylin and eosin staining (No associated raw data). |
| 40 | S3a | Serum titer for delNSs SFTSV-infected *IFNAR-/-* animals (Blood).*Virus titer (FFU/ml)* |
| 41 | S3b | Animal survival curve for Kaplan-Meier plot *0= survival, 1 = death of animal; PID = Post Infection Day* |
| 42 | S4a | Immunofluorescent images of mock, delNSs SFTSV or wt SFTSV-infected differentiated cells derived from A129 mice (No associated raw data). |
| 43 | S4b | Immunofluorescent images of mock, delNSs SFTSV or wt SFTSV-infected differentiated cells derived from AG129 mice (No associated raw data). |