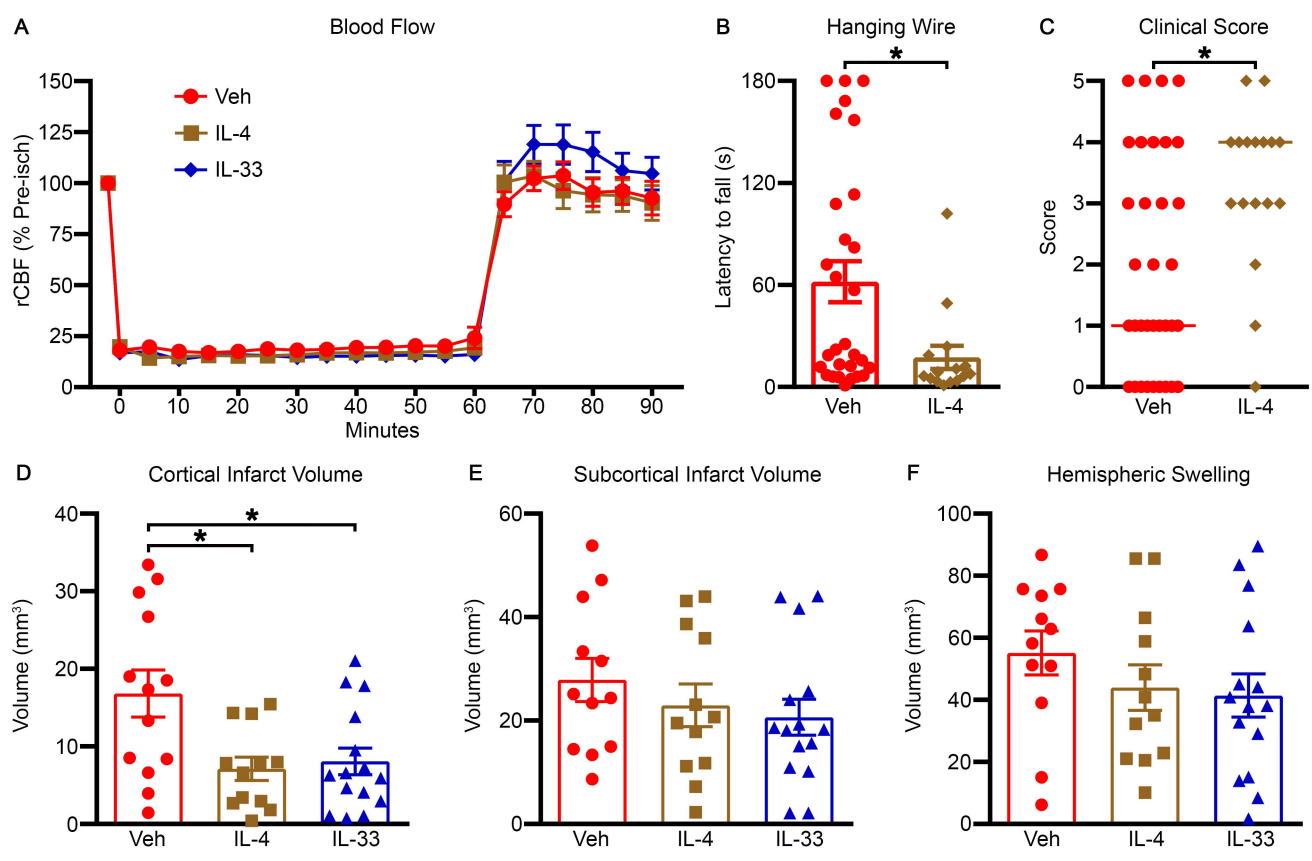
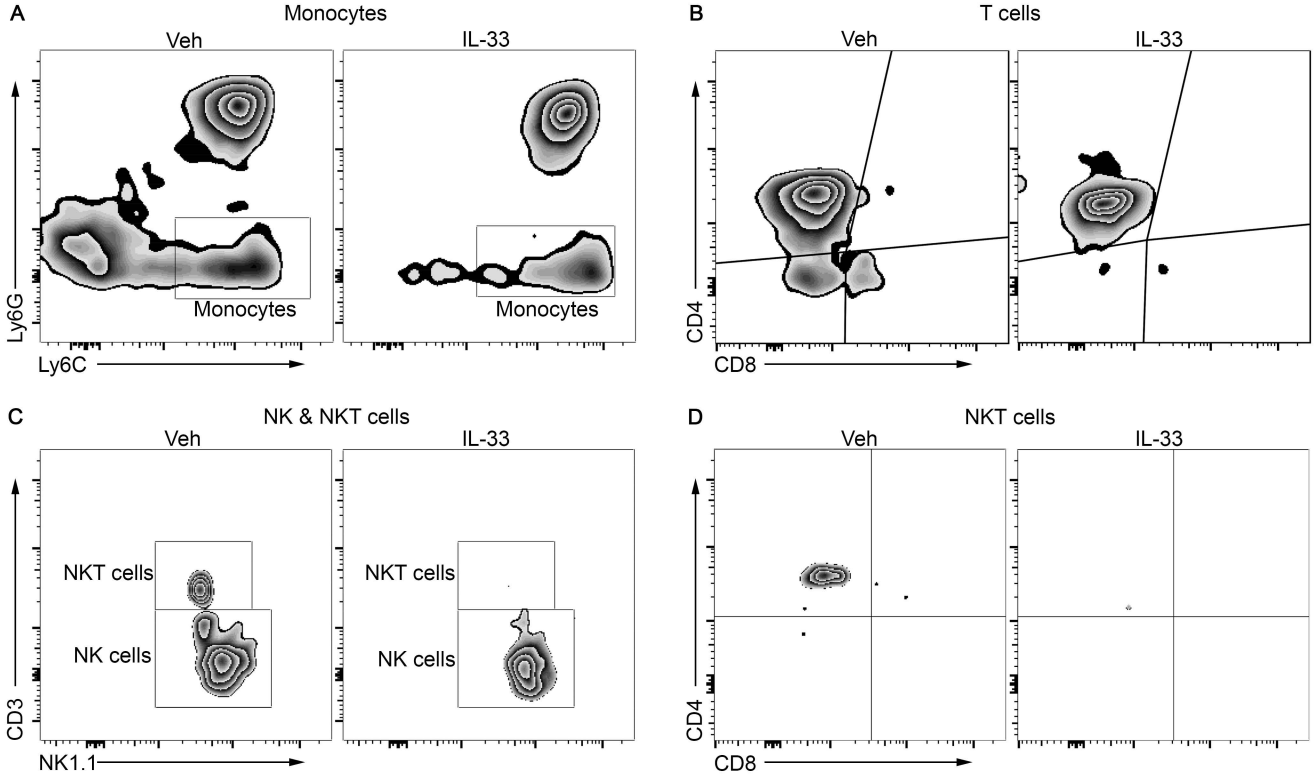
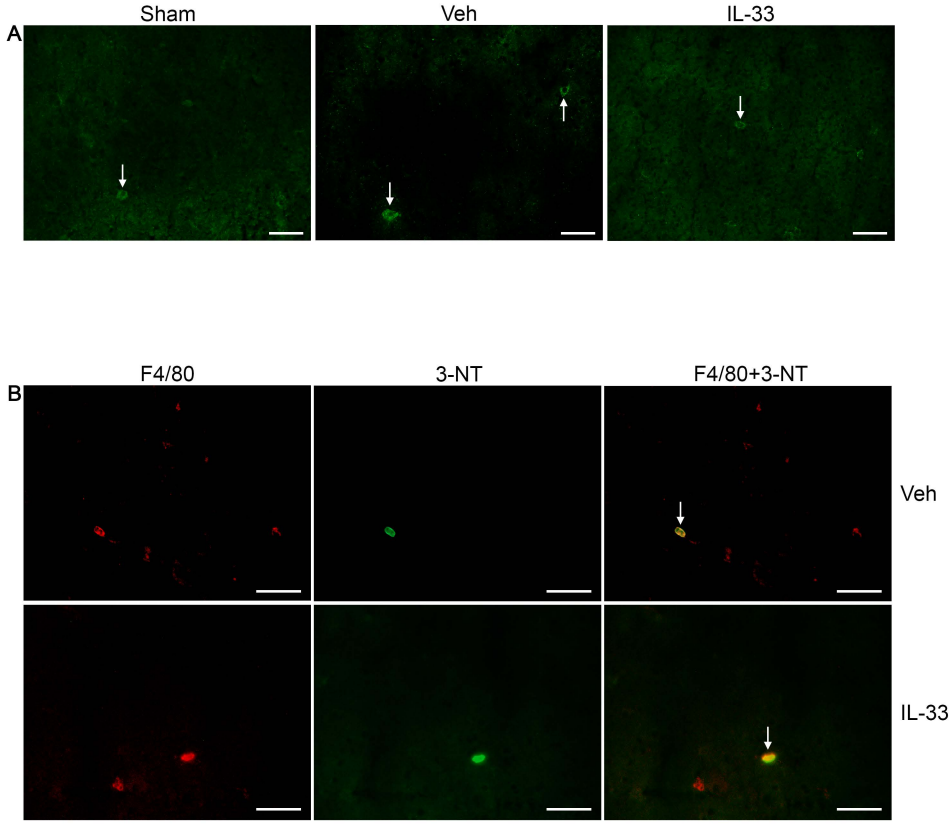


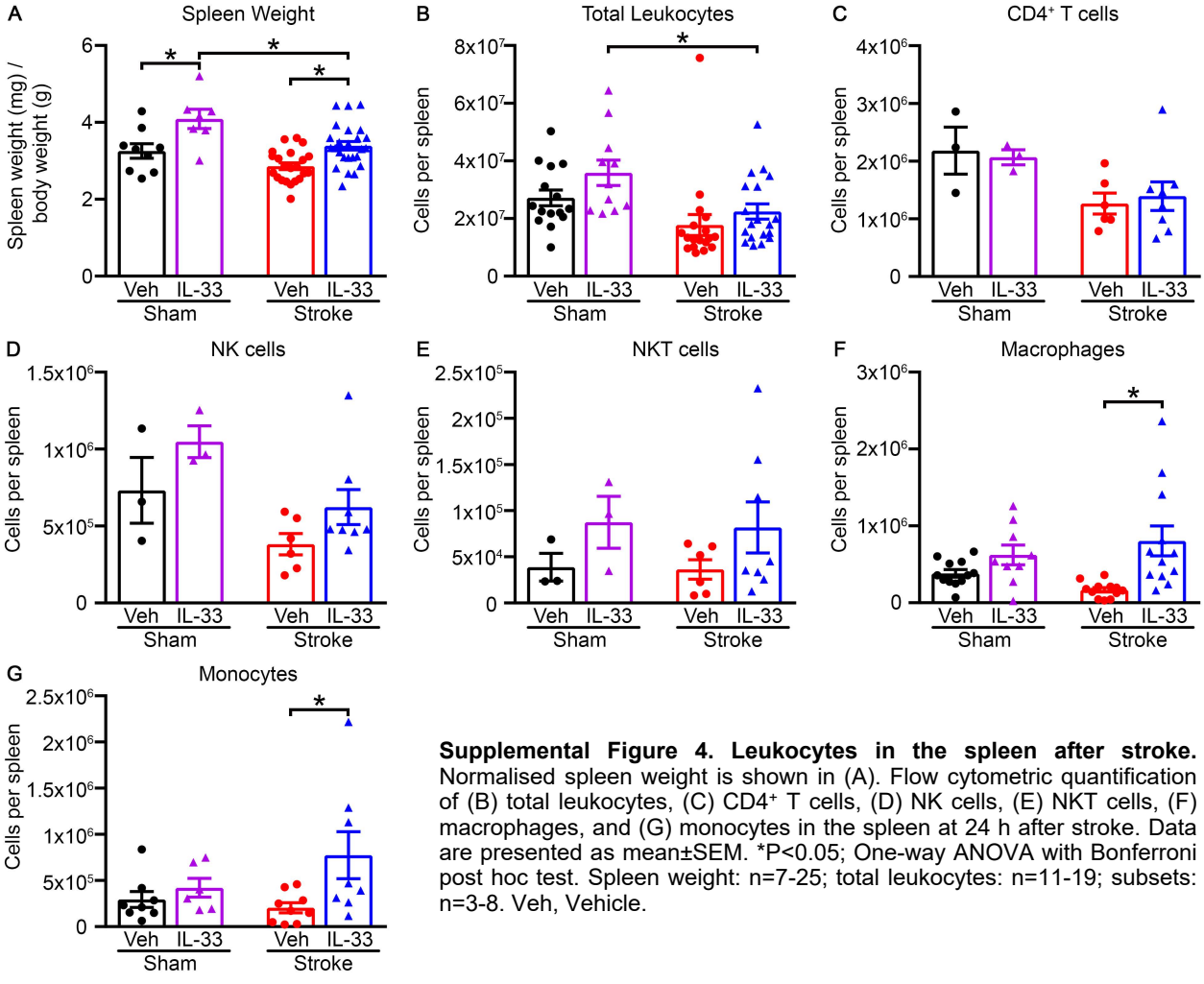
Supplemental Figure 1. Regional cerebral blood flow, infarct volumes and functional outcome. (A) Regional cerebral blood flow during 1 h middle cerebral artery occlusion and 30 min reperfusion, (B) hanging wire latency to fall (C) clinical score, (D) cortical and (E) subcortical infarct volumes, and (F) hemispheric swelling at 24 h after stroke. Data are presented as mean±SEM for (A, B, and D-F) and as median scores for (C). *P<0.05 compared with vehicle; Student's unpaired t-test for (B), Mann-Whitney test for (C), and one-way ANOVA with Bonferroni post hoc for (D-F). Blood flow: n=18-30; hanging wire: n=15-29; clinical score: n=17-34; infarct volumes: n=12-15. Veh, Vehicle.



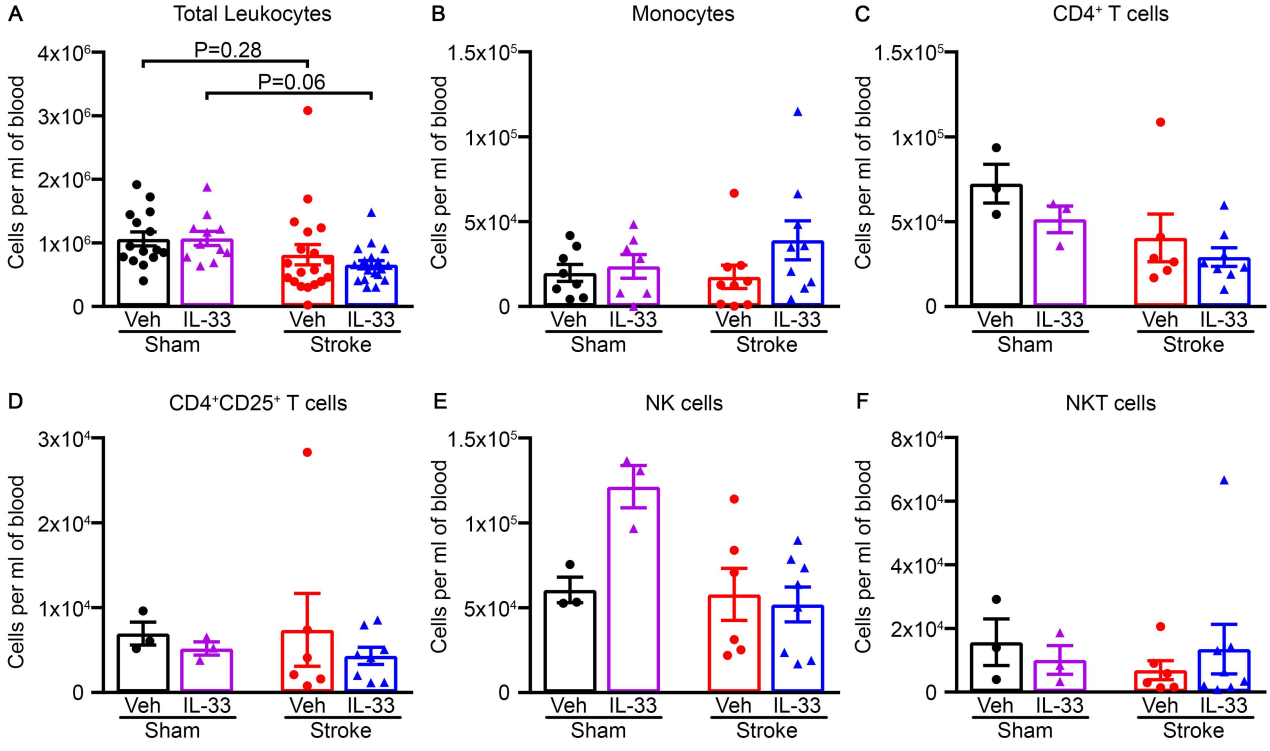
Supplemental Figure 2. Representative flow cytometry panels of leukocytes in the brain after stroke. Gating strategies for (A) monocytes, (B) T cells, (C) NK and NKT cells and (D) $CD4^{+}CD8^{+}$ NKT cells at 24 h after stroke in mice treated with vehicle (Veh) or IL-33.



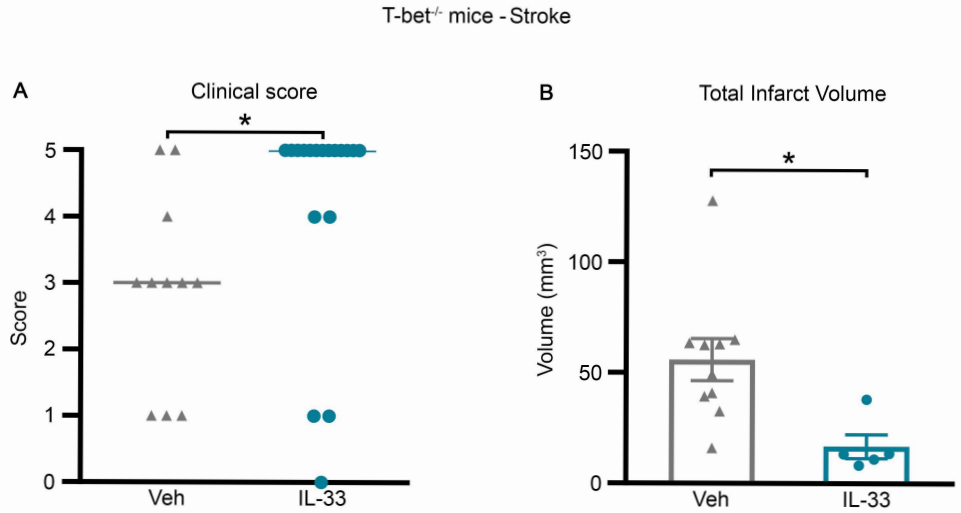
Supplemental Figure 3. Representative images of microglia and macrophages in the brain after stroke using immunohistochemistry. (A) Immunohistochemical staining of CD68+ cells in the ipsilateral hemisphere of sham-operated mice, or stroke-operated mice treated with vehicle or IL-33. (B) Double immunohistochemical staining of F4/80 and 3-nitrotryosine (3-NT) in the ischemic hemisphere of mice treated with vehicle or IL-33 at 24 h after stroke. Veh, Vehicle. Scale bar = 50 μm.



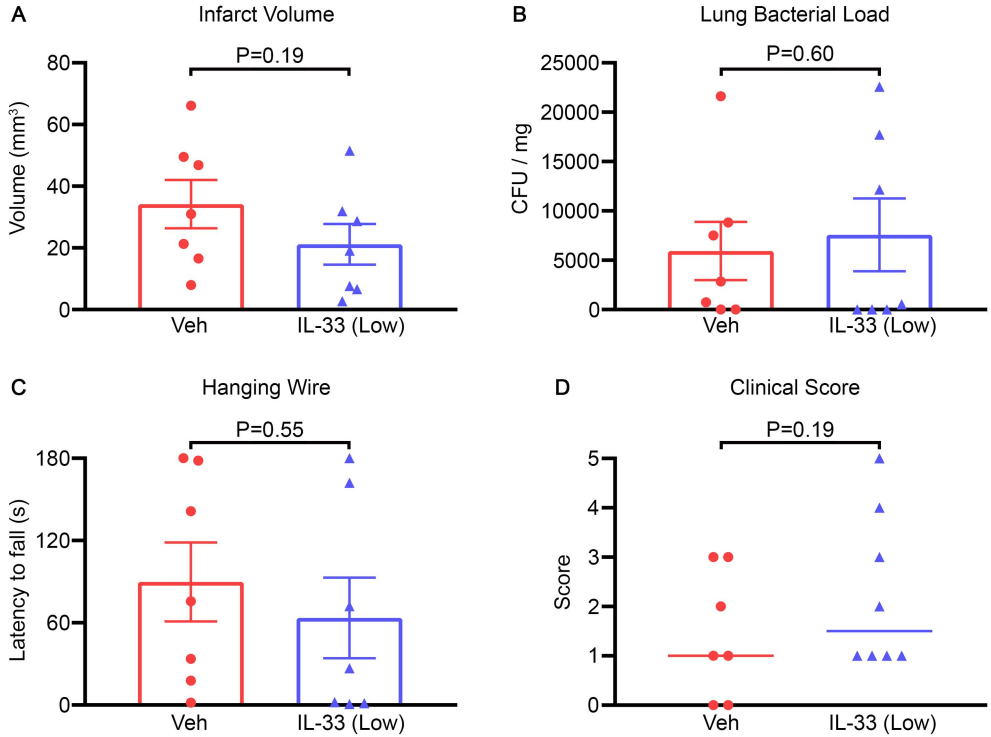
Supplemental Figure 4. Leukocytes in the spleen after stroke. Normalised spleen weight is shown in (A). Flow cytometric quantification of (B) total leukocytes, (C) CD4⁺ T cells, (D) NK cells, (E) NKT cells, (F) macrophages, and (G) monocytes in the spleen at 24 h after stroke. Data are presented as mean±SEM. *P<0.05; One-way ANOVA with Bonferroni post hoc test. Spleen weight: n=7-25; total leukocytes: n=11-19; subsets: n=3-8. Veh, Vehicle.



Supplemental Figure 5. Leukocytes in the circulation after stroke. Flow cytometric quantification of (A) total leukocytes, (B) monocytes, (C) $CD4^+$ T cells, (D) $CD4^+CD25^+$ T cells (E) NK cells and (F) NKT cells per ml of blood at 24 h after stroke. Data are presented as mean±SEM. One-way ANOVA with Bonferroni post hoc test. Total leukocytes: n=11-19; subsets: n=3-8. Veh, Vehicle.



Supplemental Figure 6. Functional outcome and infarct volume in T-bet$^{-/-}$ mice. (A) Clinical score and (B) total infarct volume at 24 h after stroke. Data are presented with median scores in (A) and as mean±SEM in (B). *P<0.05; Mann-Whitney test for (A) and Student's unpaired t-test for (B). Clinical score: n=11-18; infarct volume: n=5-10. Veh, Vehicle.



Supplemental Figure 7. Infarct volume, post-stroke infection and functional outcome in mice with 45 min of MCA occlusion. (A) Total infarct volume, (B) bacterial load in lung, (C) hanging wire latency to fall, and (D) clinical score at 24 h after stroke. Data are presented as mean±SEM for (A-C) and as median scores in (D). Student's unpaired t-test for (A-C) and Mann-Whitney test for (D); n=7-8. Veh, Vehicle; IL-33 (Low), Low dose IL-33.