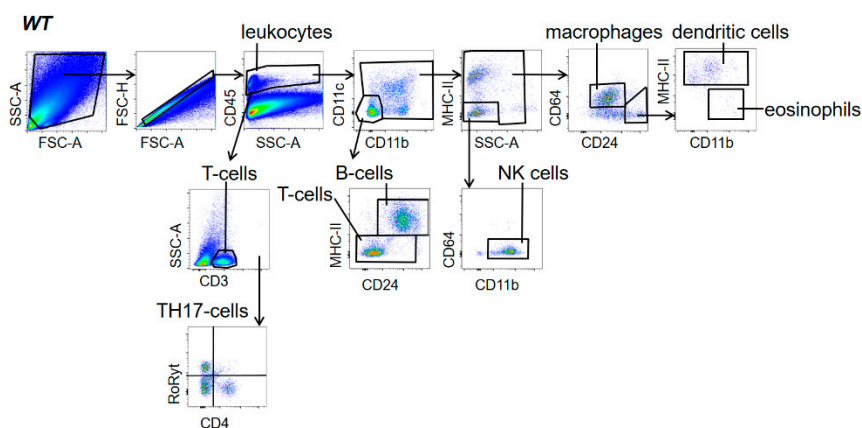


Gating strategy



Supplementary Figure S1. Gating strategy for flow cytometric analysis of infiltrating immune cells.

A

CSDA_CRA_a [mouse]
CSDA_CRA_a [rat, EDM01693.1]

```
MESPREHSSRLIGIRLTARGSAGDLLAHDLP LLLERLTKKTSKRLMVQTSRLPAVDSDV
::: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
MESPRERSSRFIGIPLTAQGSAGDLLAHDLP LLLERLKIKKISKRP MVQTSRLPAVDSDA
```

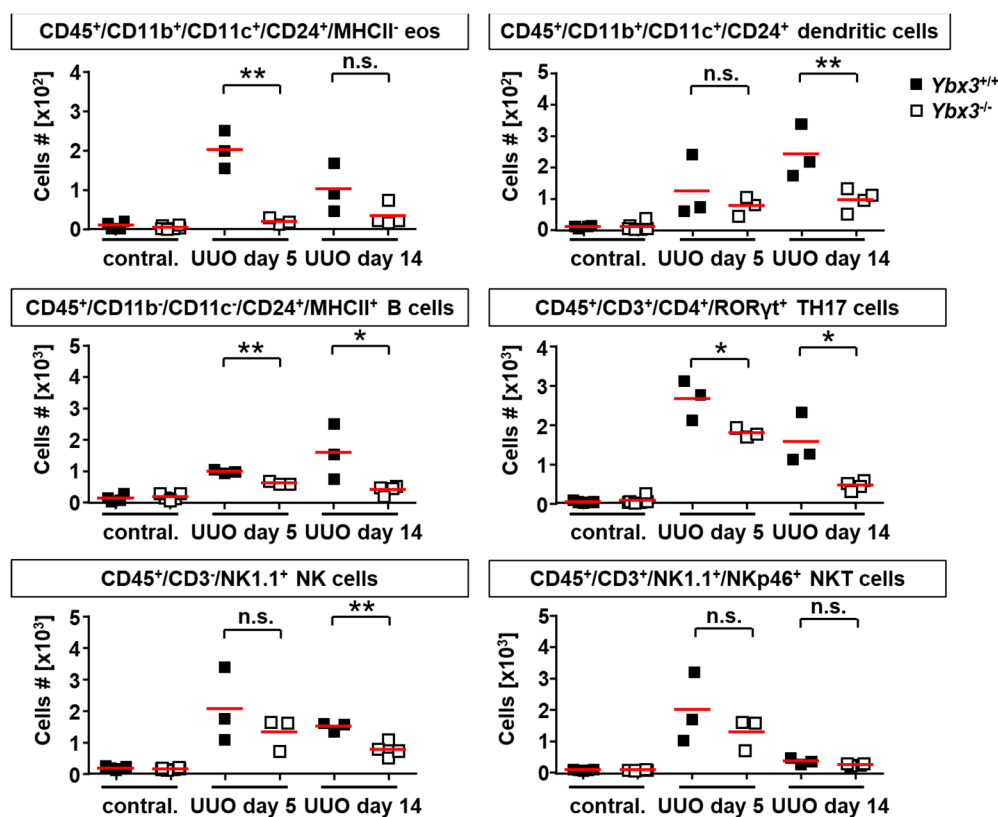
```
PTTIGAVPVPSTLFHKMAKRPRQVKHQLRTPLQLPNRAVP SDPGSQAP _mouse
:: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
PTTTGAAPVPSTLFHKMAKRPRQVKHQLRTPLQPPNRAVP SDPGSQAPSPAG _rat
```

B

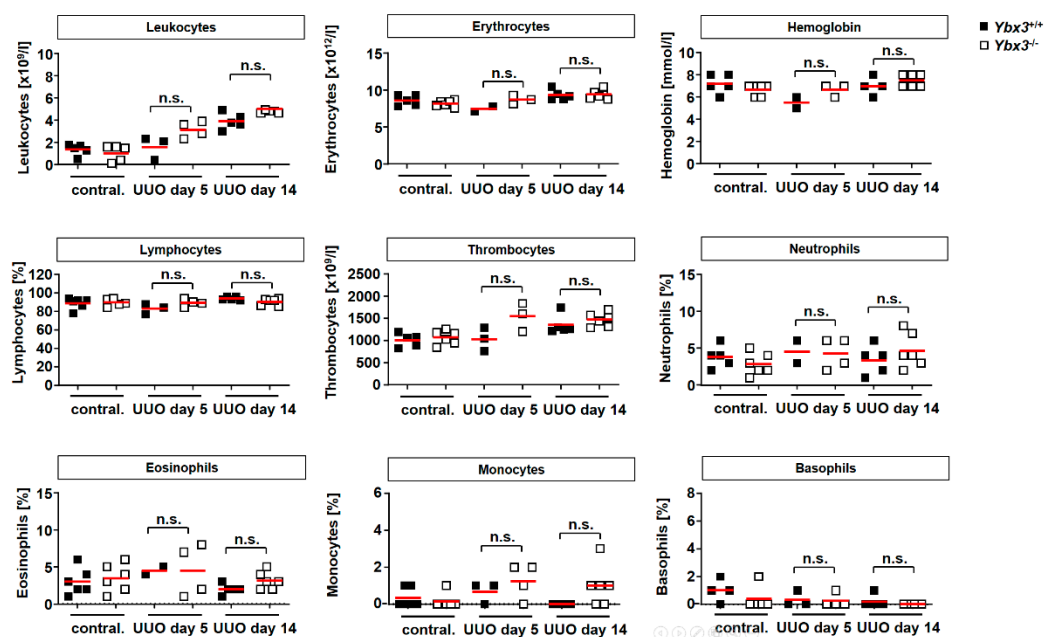
KO_b [mouse]

```
MSEAGEATTGGTTLPQAAADAPAAAPPDPAPKSPAASGAPQAPAPAALLAGSPGGDAAPG
PAPASSAPAGGEDAEKKVLGDLLAHDLP LLLERLTKKTSKRLMVQTSRLPAVDSDVPTT
IGAVPVPSTLFHKMAKRPRQVKHQLRTPLQLPNRAVP SDPGSQAP
```

Supplementary Figure S2. (A) The sequence homology between the translated protein sequences for mouse and rat CRA_a is depicted. Colons indicate conserved amino acids. (B) The amino acid sequence of the translated KO_b fusion protein is presented.



Supplementary Figure S3. Flow cytometry analyses of infiltrating immune cells at day 5 and 14 is presented for eosinophils (CD11b⁺/CD11c⁺/CD24⁺/MHCII⁻), dendritic cells (CD11b⁺/CD11c⁺/CD24⁺), B-cells (CD11b⁺/CD11c⁺/CD24⁺/MHCII⁺), TH17-cells (RORγt⁺/CD4⁺), NK cells (CD3⁺/NK1.1⁺), and NKT cells (CD3⁺/NK1.1⁺/NKP46⁺) from wild type and knockout animals.



Supplementary Figure S4. Blood composition of wild type and knockout mice was analyzed after 5 and 14 days of UUO. Mean values are indicated by the red line. No significant differences in blood values were observed.