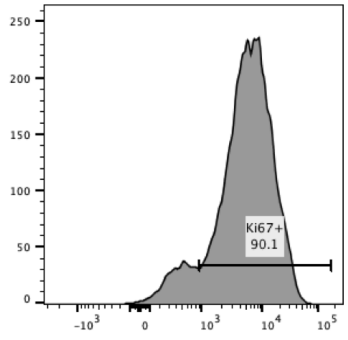
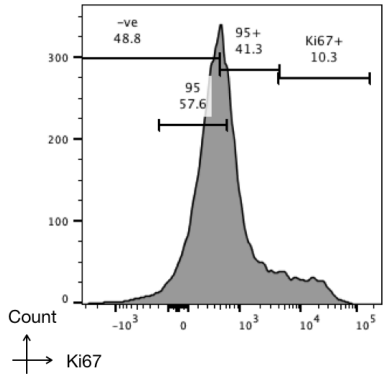
General information

As it appears to be difficult to gate Marginal Zone B-cells (and where they come frome),
we decided to take a step back and make the gating more simple.
We are no longer using the AA4.1 marker to distinguish between transitional and mature
B-cells. It seems that some transitional 1 B-cells have lost their AA4.1 (this means that some T1s are older cells).
Instead, we gate on B220^{+} IgM^{hi} CD23^{-} cells.
We further discriminate MZ B-cells based on their high CD21 expression.
T1s are by definition CD21^{-}. As mice get older, age-associated B-cells start to appear in the B220^{+} IgM^{hi} CD23^{-} CD21^{-} gate. In order to gate these ones out, we excluded FAS^{+} cells.

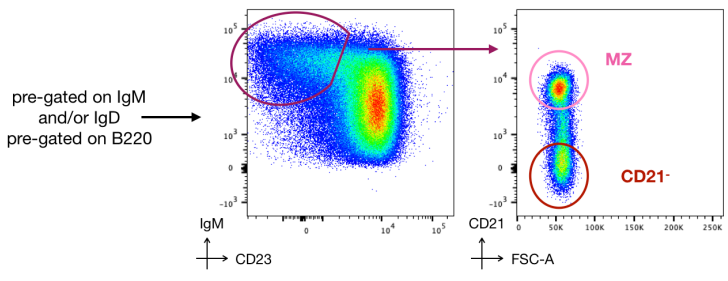
Ki67 gating strategies

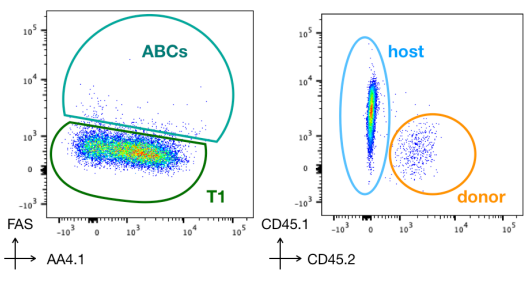




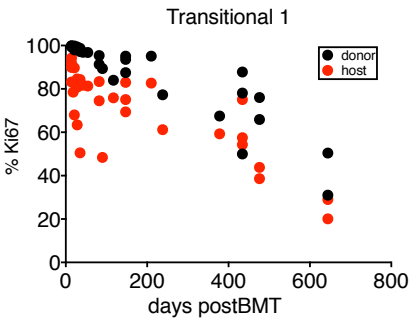
As Ki67 profiles look different,
Ki67 gates are set differently between T1 and MZ

Gating Strategies in the spleen

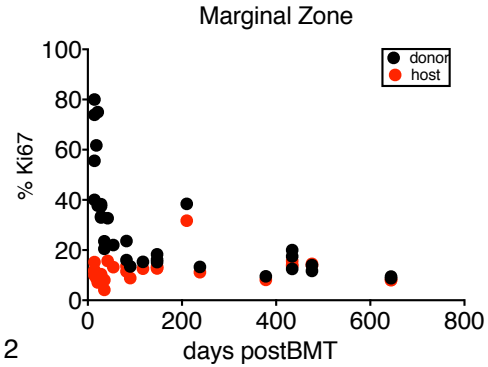




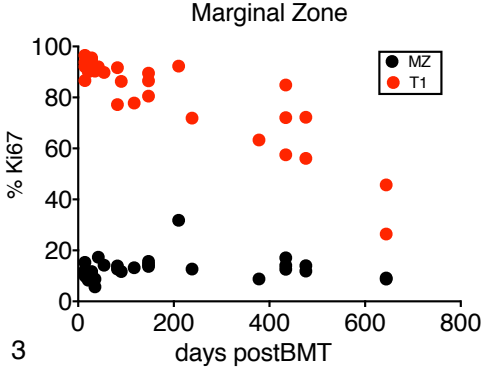
Busulfan Chimeras: Transitional 1 -> Marginal Zone



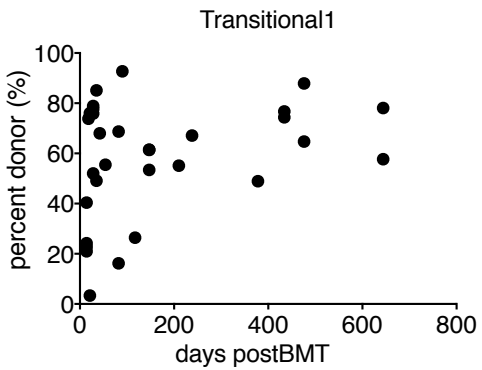
1



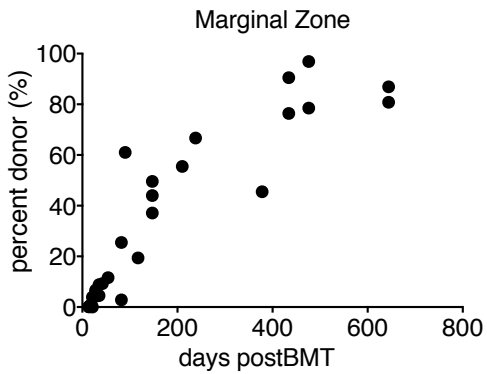
2



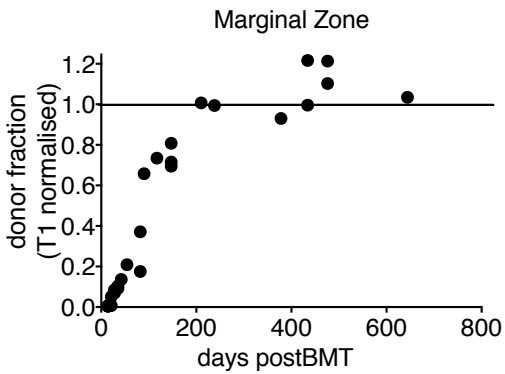
3



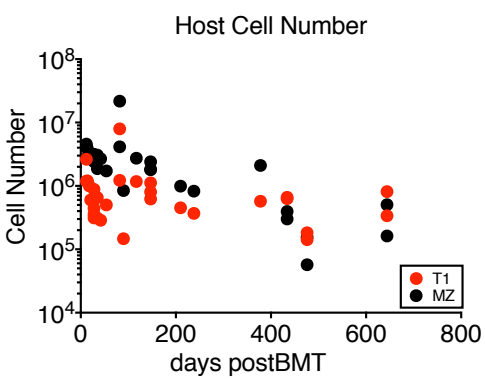
4



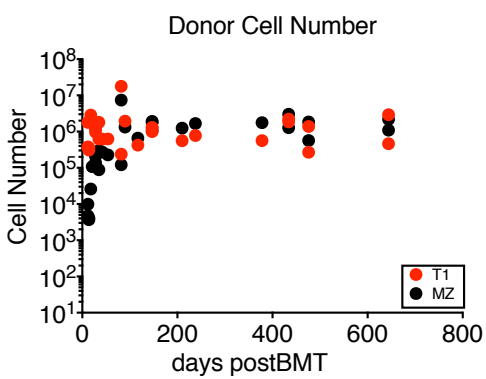
5



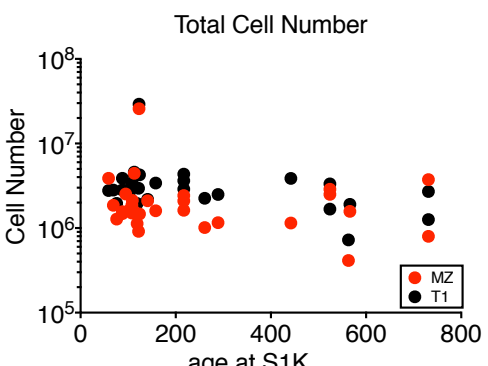
6



7



8



9