**Supplement image legend**

**Supplementary image 1. Distribution of TREM2-WT and R47H.** Immunochemistry of TREM2 with HA shows that the expression of R47H TREM2 is not significantly different from the wild-type (WT). Scale bar = 10m

**Supplementary image 2. Uncropped full images of Figure 4D**

**Supplementary image 3. Uncropped full images of Figure 6**