Figure 2: **Functional classification blood cell types:** a) Maximum parsimony phylogenetic reconstruction of the hematopoietic lineage using pathway fingerprints calculated from human and b) mouse gene expression experiments. c) Combined human-mouse tree based on shared informative pathways that resolve trees a) and b) and pathway heatmap. The myeloid (yellow) and lymphoid (purple) branches are indicated, dark branches represent agreement with the canonical lineage. Bootstrap values over 50% are shown. See supplementary figure S4 for pathway annotations.