

## **Tumour-intrinsic features shape T cell differentiation through precursor to symptomatic multiple myeloma**

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### **Description of additional supplementary files**

**Supplementary Data 1.** Overview of donors included in single-cell RNA sequencing Study. Donor study of origin; donor\_id, unique identified for individual donor; sex, reported donor sex (M: male, F=female, NA=data not available); age, age range in years; cohort, patient group (Non, non-cancer controls; MM, multiple myeloma; SMM, smouldering MM; MGUS, monoclonal gammopathy of undetermined significance); noncancer\_sampling, method of sampling for non-cancer controls (HD, healthy donor sampled for research; HIP, sampled during hip replacement surgery; Deceased, sampled posthumously).

**Supplementary Data 2.** Significantly differential expressed marker genes for T cell clusters.

**Supplementary Data 3.** Constituent genes for gene sets and pathways analysed throughout this study.

**Supplementary Data 4.** Differential expression results between clones with and without putative viral-specificity annotations.

**Supplementary Data 5.** Information regarding CyTOF panel.

**Supplementary Data 6.** Information regarding published studies. C, cryopreserved; F, fresh.