

## **Description of Additional Supplementary Files**

### **Supplementary Dataset 1.**

**Description:** Gene signatures used for the identification of T cell clusters in bone marrow aspirates of healthy adults (n = 4), MGUS/SMM (n = 8) and MM (n = 10) patients. P values were calculated using the Kruskal-Wallis test.

### **Supplementary Dataset 2.**

**Description:** Transcriptional phenotype of small, medium and large T cell clones in bone marrow aspirates from healthy adults (n = 4), MGUS/SMM (n = 8) and MM patients (n = 10).

### **Supplementary Dataset 3.**

**Description:** Distribution of T cell clusters among small, medium and large T cell clones in bone marrow aspirates from healthy adults (n = 4), MGUS/SMM (n = 8) and MM patients (n = 10).

### **Supplementary Dataset 4.**

**Description:** Distribution of T cell clusters among small, medium and large T cell clones in bone marrow aspirates from control (n = 2), MGUS (n = 3) and MM (n = 3) mice.

### **Supplementary Dataset 5.**

**Description:** Differentially expressed genes between small, medium and large T cell clones from healthy adults (n = 4), MGUS/SMM (n = 8) and MM (n = 10) patients. P values were calculated using the Kruskal-Wallis test.