## **Description of Additional Supplementary Files**

File name: Supplementary Data 1

**Description:** Differentially Expressed genes mdx vs mdx e23AON vs WT mouse data.

File name: Supplementary Data 2

**Description:** Seurat findallmarkers files for mouse data.

**File name:** Supplementary Data 3 **Description:** Genes and References.

File name: Supplementary Data 4

**Description:** M2MDSC\_vs\_MDSC differentially expressed genes .

File name: Supplementary Data 5

**Description:** MDSC vs. M1.M2 transitional differentially expressed genes.

File name: Supplementary Data 6

**Description:** FB POSTN1 vs. FB CCL11 differentially expressed genes.

**File name:** Supplementary Data 7 **Description:** numerical data Fig. 6a.

**File name:** Supplementary Data 8 **Description:** numerical data Fig. 7c.

File name: Supplementary Data 9

**Description:** Seurat findallmarkers files for human data.

File name: Supplementary Data 10

**Description:** Differentially expressed genes DMD vs control human data.