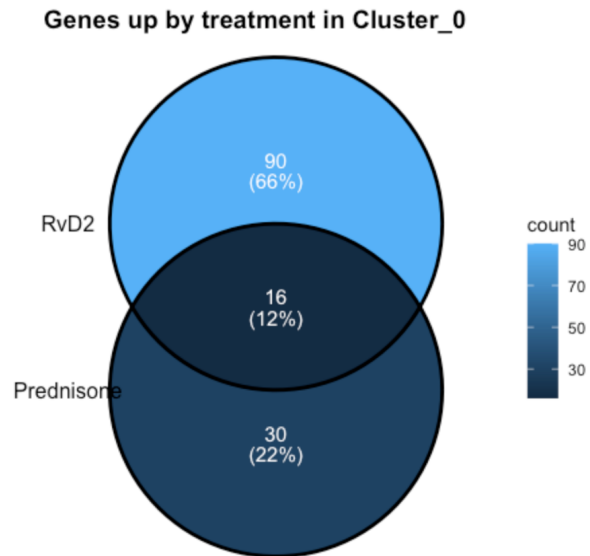


Supplementary Figure 1. Resolvin-D2 increases fiber size in dystrophic muscles. Male mdx-DBA/2J were treated with resolvin-d2 (RvD2, 5 $\mu\text{g/kg}$) or saline. The tibialis anterior muscle was collected after four weeks to quantify myofiber size. **A)** Immunofluorescence of muscle fibers. **B)** Frequency distribution curve of the myofiber cross-sectional areas. Data are presented as mean \pm SEM. Means were compared using two-tailed unpaired Student's t-tests. * $p < 0.05$, ** $p < 0.01$. n=4-5.



Supplementary Figure 4. Venn diagram of upregulated genes in anti-inflammatory macrophages (cluster 0). Male mdx-DBA/2J mice were treated weekly with either resolvin-d2 (RvD2, 5 μ g/kg), prednisone (2 mg/kg) or vehicle for six months. Macrophages were profiled by scRNAseq.

Gene	Forward Sequence	Reverse Sequence
<i>Mrc1</i>	TGGACACCTCTCAGTGGCTAA	GACACCTGGTTGTAGCAGGT
<i>Csflr</i>	CAGGTGGTGCTGTGTGTGAT	GGAGTTGTAGCTGCGGAGAA
<i>Clec10a</i>	CTGGTGGCTTTGTCATCTGT	GCTCAGCTCAGGTAGCAGGT
<i>Il10rb</i>	TTGCTGAAGGAGACAGTGGA	TGGAGAGAGCAGAGAGAGGA
<i>Fcgr2b</i>	GGTGGAGATGAAGGAAGGAG	TCTTGGCAGGTGATGATGAG
<i>Gapdh</i>	CCCAGAAGACTGTGGATGG	ACACATTGGGGGTAGGAACA

Supplementary Table 1. List of primers used in qPCR analyses