



Additional File 3: Gene expression studies

A-H: Gene expression in joint tissue from the hind paws of non-arthritic controls (Ctrl.) and wild-type (WT) and *Ucma*-deficient mice (*Ucma*^{-/-}) with serum-induced arthritis (SIA). Total RNA was extracted from joint tissue from the hind paws of respective mice. Gene expression was analysed by real-time RT-PCR and normalised against cyclophilin A mRNA levels. Means \pm SEM are shown; n=3 per group. Adamts, A Disintegrin-like and Metalloproteinase with Thrombospondin-1 motifs; Mmp, Matrix Metalloproteinase; Rankl, receptor-activator of nuclear factor kappa B ligand; Opg, osteoprotegerin.