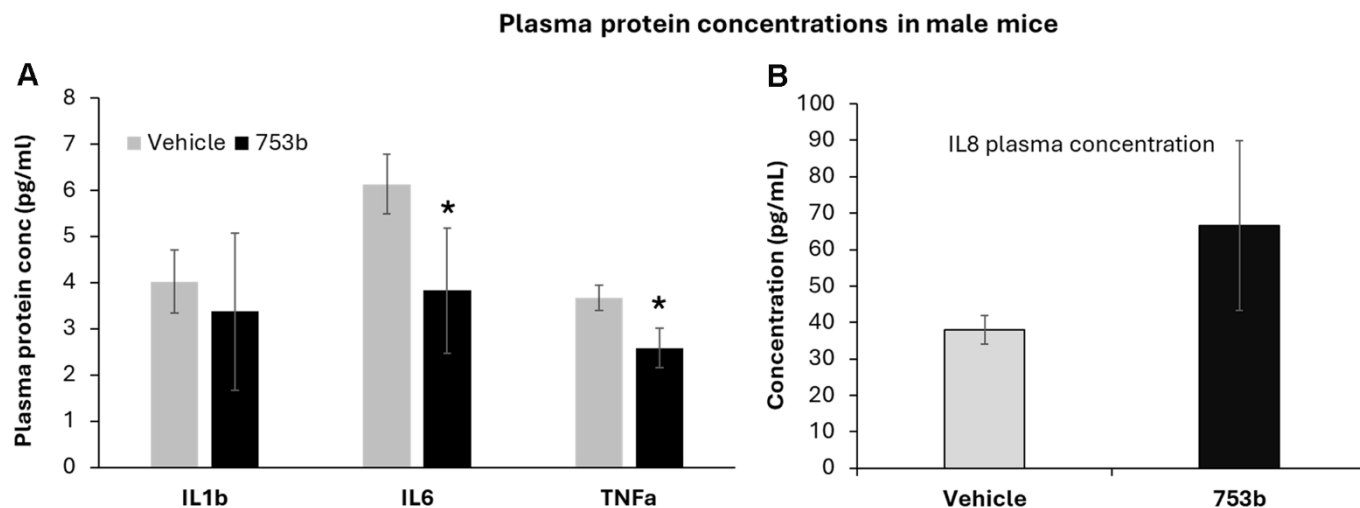
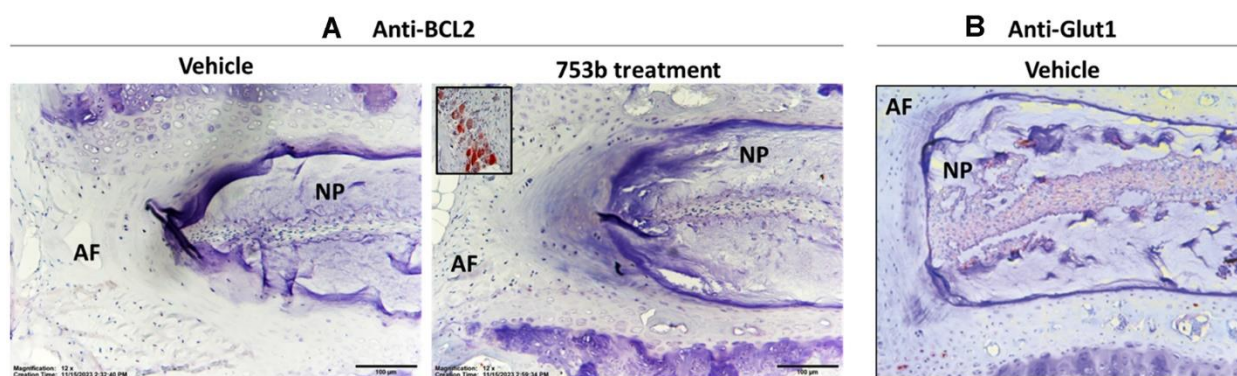


SUPPLEMENTARY FIGURES



Supplementary Figure 1. The effect of aging and 753b treatment on protein expression of key SASP factors in blood plasma of male mice. (A) graph shows quantification of IL-6, IL-8 and TNFa in blood plasma using the ELLA immunodetection assay. Gray bars (vehicle controls) and black bars (753b treated). (B) graph shows quantification of IL-8 in blood plasma using ELISA immunodetection assay. n=5/group; *p < 0.05.



Supplementary Figure 2. BCL2 immunohistochemistry. Disc sections of male mice processed to visualize BCL2 protein expression using anti-BCL2 antibodies (A) and Glut1 expression using anti-glut1 antibodies (B). Positive staining is indicated by red/brownish color. BCL2 positive staining is observed in vertebral bone but not in disc NP and AF tissue (inset of middle image). To eliminate the possibility that the absence of BCL2 IHC signal in disc tissue is not due to the inability of antibodies to penetrate disc dense matrix, Glut1 IHC was done as a positive control to show plenty of Glut1 expression in NP and AF tissue as expected.