

Table S1. Experimental Groups

<b>C57BL/6J mice</b>	<b>Low AGE Diet (L-AGE) 7.6 µg/mg AGE</b>	<b>High AGE Diet (H-AGE) 40.9 µg/mg AGE</b>
Female	n=10	n=11
Male	n=13	n=10

Table S2. Primary Study Measurements

<b>TISSUE</b>	<b>TEST</b>	<b>MEASUREMENT</b>
Blood	Serum ELISA	Blood glucose AGE measurement
Caudal IVD	Western Blot	AGE measurement
Caudal IVD C4- C5	Mechanical Testing	Axial, Torsional and Failure tests
Lumbar IVD L4-5	Histology (Picrosirius/Alcian blue)	DIC, polarized light & SHG imaging collagen denaturation