

SUPPLEMENTARY TABLE

Supplementary Table 1. Summary of histological scores of IVDs.

Features	Score			Score		
	Male (n=5, mean±SEM)			Female (n=5, mean±SEM)		
	Young	Old+Vehicle	Old+753b	Young	Old+Vehicle	Old+753b
NP Cellularity	0.36±0.09	1.18±0.17	0.82±0.16	0.46±0.10	0.86±0.015	0.50±0.10
NP Fibrosis	0.46±0.10	1.11±0.18	0.82±0.16	0.54±0.10	0.79±0.17	0.50±0.10
NP ECM	0.57±0.11	1.29±0.19	0.82±0.16	1.11±0.12	1.00±0.16	0.71±0.09
AF Cellularity	0.54±0.10	1.50±0.14	1.39±0.14	0.21±0.08	0.61±0.12	0.61±0.13
AF Bulging	0.71±0.09	1.33±0.13	0.86±0.15	0.36±0.09	0.46±0.13	0.43±0.10
AF Lamellae	0.50±0.11	1.32±0.14	1.11±0.15	0.21±0.08	0.75±0.15	0.75±0.12
AF Clefts/fissures	0.50±0.10	1.43±0.12	0.93±0.13	0.11±0.06	0.61±0.12	0.68±0.12
EP Cellularity	0.32±0.09	1.46±0.14	1.04±0.15	0.14±0.07	0.86±0.13	0.82±0.13
EP Fractures	0.46±0.10	1.04±0.17	0.68±0.13	0.29±0.09	0.43±0.13	0.50±0.13
Schmorl's node	0.32±0.09	0.75±0.19	0.46±0.13	0.14±0.07	0.39±0.13	0.36±0.11
Interface Cellularity	0.21±0.08	1.00±0.11	0.68±0.10	0.11±0.06	0.50±0.13	0.39±0.11
NP-AF Boundary	0.29±0.09	0.93±0.13	0.89±0.09	0.25±0.10	0.32±0.10	0.21±0.08
NP-EP Boundary	0.18±0.07	0.75±0.14	0.43±0.10	0.00±0.00	0.21±0.09	0.18±0.07
AF-EP disruption	0.25±0.08	0.89±0.13	0.57±0.11	0.14±0.08	0.39±0.11	0.43±0.10
Composite	5.7±0.9	15.9±1.5	11.5±1.3	4.1±0.6	8.2±1.4	7.1±0.8

Y, young; OV, old mice treated with vehicle; OB, old mice treated with 753b. Scores were performed by four independent scorers blinded to the mouse groups. Scores are expressed as mean ± SEM.