

Supplementary Materials: An Inflammatory Nucleus Pulposus Tissue Culture Model to Test Molecular Regenerative Therapies: Validation with Epigallocatechin 3-Gallate

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Table S1. Average cycle threshold values (Cq \pm SD) for all expressed genes in inflammation group. GAPDH, glyceraldehyde-3-phosphate dehydrogenase; MMP, matrix metalloproteinase; IL, interleukin; EGCG, epigallocatechin 3-gallate; TIMP1, tissue inhibitor of matrix metalloproteinases; PTGS2, prostaglandin-endoperoxide synthase 2; ADAMTS, a disintegrin and metalloproteinase with thrombospondin motifs; iNOS, inducible nitric oxide synthase.

Condition	Gene	Mean Cq \pm SD	Condition	Gene	Mean Cq \pm SD
Control	<i>S18</i>	27.49 \pm 5.12	IL-1 β	<i>S18</i>	27.61 \pm 5.19
	<i>GAPDH</i>	27.74 \pm 0.95		<i>GAPDH</i>	27.83 \pm 1.17
	<i>Collagen 1</i>	43.46 \pm 3.43		<i>Collagen 1</i>	43.38 \pm 3.43
	<i>Collagen 2</i>	34.13 \pm 3.29		<i>Collagen 2</i>	38.01 \pm 3.55
	<i>Aggrecan</i>	36.14 \pm 3.53		<i>Aggrecan</i>	35.59 \pm 4.35
	<i>MMP1</i>	41.37 \pm 8.87		<i>MMP1</i>	32.51 \pm 12.11
	<i>MMP3</i>	43.61 \pm 2.91		<i>MMP3</i>	32.47 \pm 8.21
	<i>MMP13</i>	37.50 \pm 10.18		<i>MMP13</i>	33.92 \pm 5.44
	<i>TIMP1</i>	35.71 \pm 9.91		<i>TIMP1</i>	31.41 \pm 2.94
	<i>IL-6</i>	45 \pm 0		<i>IL-6</i>	36.35 \pm 4.49
	<i>IL-8</i>	45 \pm 0		<i>IL-8</i>	38.76 \pm 4.12
	<i>PTGS2</i>	43.13 \pm 3.23		<i>PTGS2</i>	37.21 \pm 2.21
	<i>ADAMTS4</i>	45 \pm 0		<i>ADAMTS4</i>	43.57 \pm 2.85
<i>iNOS</i>	45 \pm 0	<i>iNOS</i>	35.31 \pm 1.54		
EGCG	<i>S18</i>	27.69 \pm 4.49	IL-1 β + EGCG	<i>S18</i>	27.61 \pm 5.25
	<i>GAPDH</i>	27.91 \pm 0.45		<i>GAPDH</i>	27.84 \pm 1.14
	<i>Collagen 1</i>	45 \pm 0		<i>Collagen 1</i>	45 \pm 0
	<i>Collagen 2</i>	36.62 \pm 5.01		<i>Collagen 2</i>	37.86 \pm 4.09
	<i>Aggrecan</i>	36.31 \pm 4.43		<i>Aggrecan</i>	37.01 \pm 3.71
	<i>MMP1</i>	39.28 \pm 11.15		<i>MMP1</i>	37.95 \pm 8.34
	<i>MMP3</i>	40.79 \pm 5.05		<i>MMP3</i>	35.82 \pm 7.13
	<i>MMP13</i>	37.84 \pm 8.86		<i>MMP13</i>	35.23 \pm 8.58
	<i>TIMP1</i>	36.31 \pm 7.25		<i>TIMP1</i>	32.83 \pm 5.05
	<i>IL-6</i>	41.62 \pm 4.65		<i>IL-6</i>	38.06 \pm 3.95
	<i>IL-8</i>	44.41 \pm 1.45		<i>IL-8</i>	42.25 \pm 4.35
	<i>PTGS2</i>	41.67 \pm 3.83		<i>PTGS2</i>	38.94 \pm 2.61
	<i>ADAMTS4</i>	42.76 \pm 4.46		<i>ADAMTS4</i>	43.33 \pm 3.32
<i>iNOS</i>	42.77 \pm 4.44	<i>iNOS</i>	38.31 \pm 4.57		