

**Supplemental Table 1. Primers for *Has* and *Hyal* genes.**

Primer sequences, melting temperature ( $T_M$ ), cycle numbers and predicted product sizes for analysis of rat *Has* and *Hyal* gene expression by semi-quantitative RT-PCR. Similar information is also given for the expression of the housekeeping gene  $\beta$ -actin, which was measured for control purposes.

Gene	Sense Strand Primer	Antisense Strand Primer	$T_M$ (°C)	No. of Cycles	Product Size (bp)
Has1	GAGGTGGAGGCTGAGGAC	AGCTGACCCAAGAGTCCAGA	60	30	283
Has2	CTGGAAGAACAACCTCCATGA	ATAAGACTGGCAGGCGGTTT	60	30	379
Has3	CTTCTTTGTGTGGCGTAGCA	GCACTTGCTGCCTACGAACT	60	30	496
Hyal1	CCGTTTGGCTTTAGTTTCCA	AGCTTCGCTGCACAAAAGAG	60	35	274
Hyal2	ACAGCCGCAACTTTGTCAG	GTACTGGCGCTGGGATTG	65	40	367
Hyal3	TGGGGCTTTTATCGATACCC	CAGCCTTGGTCACGTTGAT	65	30	469
$\beta$ -actin	TTCTACAATGAGCTGCGTGTG	ATCACAATGCCAGTGGTACG	60	20	191