

Table S1 *Drosophila* nuclear receptor and NOS isoforms and probes. CG numbers, number of splice forms, and oligos used for probe template production are provided for each of the fly NR genes and NOS.

Gene name (Abbreviation)	CG number	Number of isoforms	Probe name	Oligos used (if home made)	It hybridizes to (size in base pairs)
<i>Ecdysone receptor</i> (EcR)	CG1765	6	LD26915	NA	Multiple exons- including some 3'UTR. Covers all isoforms (1896)
<i>ultraspiracle</i> (usp)	CG4380	1	LD09973	NA	The entire transcript (2481)
<i>Hormone receptor-like in 46</i> (Hr46 or HR3)	CG3318 3	6	GH09429	NA	Multiple exons and UTRs. Covers all isoforms (3827)
			GH21112	NA	Multiple exons including 3'UTR. Covers all isoforms (4248)
<i>Hr4</i> (HR4)	CG4393 4 CG1690 2	9	HM-DHR4	up: 5'..GACATG AAGCCCAT GTTCCCT	Part of last exon. Covers all isoforms and CG42527 (830)
				down*: 5'..ATTAGC GTGGTCAA GCAGGT	
<i>Ecdysone-induced protein 75B</i> (E75)	CG8127	6	GM04985	NA	Multiple exons including part of 3'UTR. Covers of all isoforms (3107)
<i>Ftz transcription factor 1</i> (Ftz-F1)	CG4059	3	LD34889	NA	Multiple exons and part of 3'UTR. Covers all isoforms (2270)
			LD11885	NA	First exon. Covers RB isoform (842)
<i>Hormone receptor-like in 39</i> (HR39)	CG8676	4	LD45021	NA	Almost the entire transcript. Covers all isoforms (2999)
<i>Hormone-receptor-like in 78</i> (HR78)	CG7199	6	GH08073	NA	The entire transcript. Covers all isoforms (2283)
<i>Hormone receptor-like in 96</i> (HR96)	CG1178 3	1	GH14435	NA	The entire transcript (2834)
<i>estrogen-related receptor</i> (dERR)	CG7404	2	GH28308	NA	The entire transcript. Covers both isoforms (2125)
<i>Hepatocyte nuclear factor 4</i> (dHNF4)	CG9310	4	RE09535	NA	The entire transcript. Covers all isoforms (3333)
<i>seven up</i> (svp)	CG1150 2	3	AT29920	NA	The entire transcript. Covers RA and RB isoforms (2085)
			GH08189	NA	3' UTR. Covers RC and RB isoforms (2023)
<i>Ecdysone-induced protein 78C</i> (E78)	CG1802 3	4	HM-E78-Ex10	up: 5'..CTTGCT GAACTTTG CCAACA down*: 5'..GCTCGC TCTTCAGT CGAGTT	Last exon, including part of 3'UTR. Covers all isoforms (764)

<i>dissatisfaction</i> (dsf)	CG9019	1	HM-dsf- Ex4	up: 5'..ACTCCA TCCAGTCC ATCTCG down*: 5'..AGCAA TGCTGGTC GTTCTT	Part of exon 4 (637)
<i>talilles</i> (tll)	CG1378	1	HM-tll-Ex3	up: 5'..AGGGAC TCTGTGTG GTGGAC down*: 5'..TTGAGA CCTTGTGC ATCAGC	Most of exon 3 (1041)
<i>Hormone receptor</i> 51 (HR51)	CG1680 1	1	HM- DHR51- Ex6	up: 5'..ACCACC TCACCTCC TCAATG down*: 5'..AAGAGC TGACGGAG GAGACA	Most of exon 6 (249)
<i>Hormone receptor-like in 38</i> (HR38)	CG1864	3	HM- DHR38	up: 5'..CGACCA CGTCACCT ACAATG down*: 5'..TAGTGC CGAATGTT GAGCAG	Last exon and part of 3'UTR. Covers of all isoforms (644)
<i>Hormone receptor</i> 83 (HR83)	CG1029 6	1	HM- DHR83- Ex1	up: 5'..GGTGCT CCTGCTTT TTCAAG down*: 5'..GCACAG GATTAGGG ACTCCA	Most of exon 1 (542)
<i>Nitric oxide synthase</i> (Nos)	CG6713	10	HM-NOS- Ex16#	up: 5'..GAACGA TTCGCTGA CTGTGA down*: 5'..CTTCGG AATGGCCT GCTCC	Part of exon 16. Covers 8/10 isoforms (not Nos-RJ nor Nos-RG) (1078)

*-The sequence: 'GTAATACGACTCACTATAGGGAGACCAC' was added before each reverse oligo sequence to add a T7 polymerase binding site.

#- For the HM-NOS-E16 probe, PCR was first performed on genomic DNA with the following oligos: up-TCGGCTATCCAAATTTCTG and down- ACTCCTCGGTCCAAACACAC (1871 bp). The product was then amplified using the oligos indicated in the table to generate the 1078 bp template.