Supplemental Figure Legends

Fig. S1. Effects of dexamethasone on MMTV- and GnRH promoter-Luc reporters activities in GT1-1 cells. GT1-1 cells were transiently transfected with 100 ng of the GC-responsive pMMTV-Luc (A) or the pGnRH-Luc (B) reporter plasmid and treated with VEH (0.1% ethanol) or various doses of DEX as indicated for 24 h. The data are shown as means ± SE (n=6). **: $p<0.01$ *vs.* vehicle treated cells.

Fig. S2. Expression of exon 2-skipped form of GnRH transcript in GT1-1 cells. GT1-1 cells were treated with VEH or 10^{-6} M DEX for 24 h. Total RNA was isolated and RT-PCR performed to measure rate of exon 2 skipping using E1-up and E3-dn primers. Bars are means of 13 to 123 ratios ± SE (n=3).

Fig. S3. Effects of dexamethasone on Tra2α, 9G8 and SRp30c mRNA levels. (A) GT1-1 cells were treated with VEH or 10^{-6} M DEX for 24 h. Northern blot hybridizations were performed using ^{32}P-labeled cDNA probes complementary to indicated SR and SR-like protein genes. GAPDH was used as an internal control ensuring the equal amounts of loaded RNAs. (B-E) Quantitative real-time RT-PCR performed to measure mRNA levels of indicated genes. Values were normalized to GAPDH mRNA level. Bars are means ± SE (n=3). **: $p<0.01$ *vs.* vehicle treated cells.

Fig. S4. Effect of antisense-Nova-1 (AS-Nova-1) on Flag-tagged Nova-1 expression. Different amount of AS-Nova-1 (0, 0.2, 0.5 or 1 μg) were cotransfected with 0.1 μg of Flag-Nova-1 expression vector into NIH3T3 cells. After 48 h, cells were harvested and Western blotting was performed with anti-Flag and anti-β-Actin antibodies.

References for Supplemental Table

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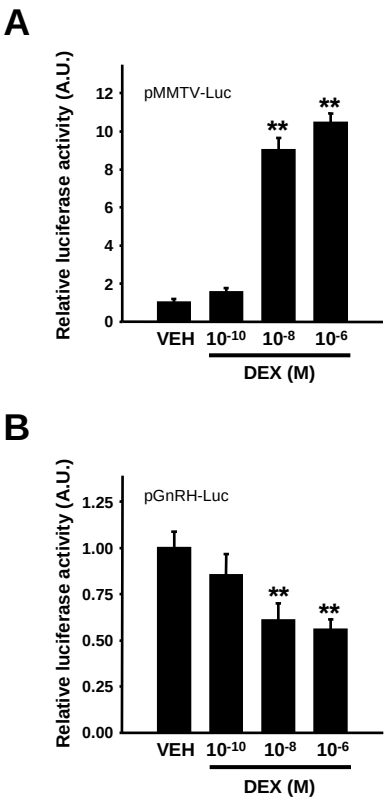
Supplemental Table S1

Primer sequences for RT-PCR and gene cloning

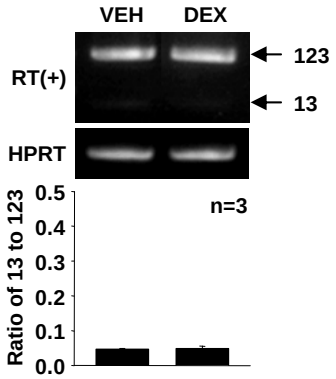
Name	Primer sequence	Gene bank #	References
CELF6	up: 5′-TTGGTGATGCGGAACTCATA-3′ dn: 5′-GACCTTGAGCCTCTTCATGC-3′	BC052406	(Ladd *et al.*, 2001)
CLK	up: 5′-AGAAAACCAGGAAACGCAGA-3′ dn: 5′-TTTTCCCAACGAGGTCAAAG-3′	NM_009905	(Duncan *et al.*, 1998)
CUG-BP	up: 5′-CATCCCCAATGGTGGTAAAG-3′ dn: 5′-GTGTTGAGGTTCCCACAGGA-3′	NM_017368	(Ladd *et al.*, 2001)
ELAV	up: 5′-AGCAATCAGCACACTGAACG-3′ dn: 5′-CCTCTGGACAAACCTGTGGT-3′	BC016194	(Lisbin *et al.*, 2001)
ETR-3	up: 5′-TGAACTTACCCCGCAGTACC-3′ dn: 5′-GACAGAGGGTTTGCATTGGT-3′	BC026856	(Ladd *et al.*, 2001)
Fox-1	up: 5′-CCAGACCTCCGACAAATGTT-3′ dn: 5′-CCATTGGTGTAGGGGTTGAC-3′	AB041596	(Jin *et al.*, 2003)
HuB	up: 5'-GGAGCATTGGCGAGATAGAG-3′ dn: 5'-CCTCAATCCGCTTGTCAAAT-3′	AY035397	(Wakamatsu and Weston, 1997)
HuC	up: 5'-GTCCTATGCACGTCCCAGTT-3′ dn: 5'-ACTGGTACAGGTGGGTGAGC-3′	BC052097	(Wakamatsu and Weston, 1997)
KSRP	up: 5'-GGACTCAGGCTGCAAAGTTC-3′ dn: 5'-CTGGGAGCCATCCTGAATTA-3′	NM_010613	(Min *et al.*, 1997)
NAPOR-1	up: 5'-CTTGCCCCTGGTTACACCTA-3′ dn: 5'-GTGGTACCCATTGGTGAAGG-3′	D49654	(Zhang *et al.*, 2002)
Msi-1	up: 5'-CAAACGCTGTGGAAGACAGA-3′ dn: 5'-GCAGTGTTGAGCTGTTGCAT-3′	AF090696	(Murata *et al.*, 2004)
Nova-1	up: 5'-ACAGGTCCAGTGGCAAATTC-3′ dn: 5'-AGCCAGGCTACCTAATGCAA-3′	XM_356586	(Jensen *et al.*, 2000)
SWAP	up: 5'-CTGTGGCCGAGGTAGAGAAG-3′ dn: 5'-GCTTCTCCCGGAACTCTCTT-3′	NM_016680	(Zachar *et al.*, 1994)
SRPK1	up: 5′-CATTCGGGCAGATACACCTT-3′ dn: 5′-CAGGGGTGTTGTAGCCAGAT-3′	BC050761	(Wang *et al.*, 1999)
SRPK2	up: 5′-TTTCTGGGCCCTTAGAACCT-3′ dn: 5′-AGGGTTCACCAACAGGTCAG-3′	BC062941	(Wang *et al.*, 1999)

up: upstream
dn: dowmstream

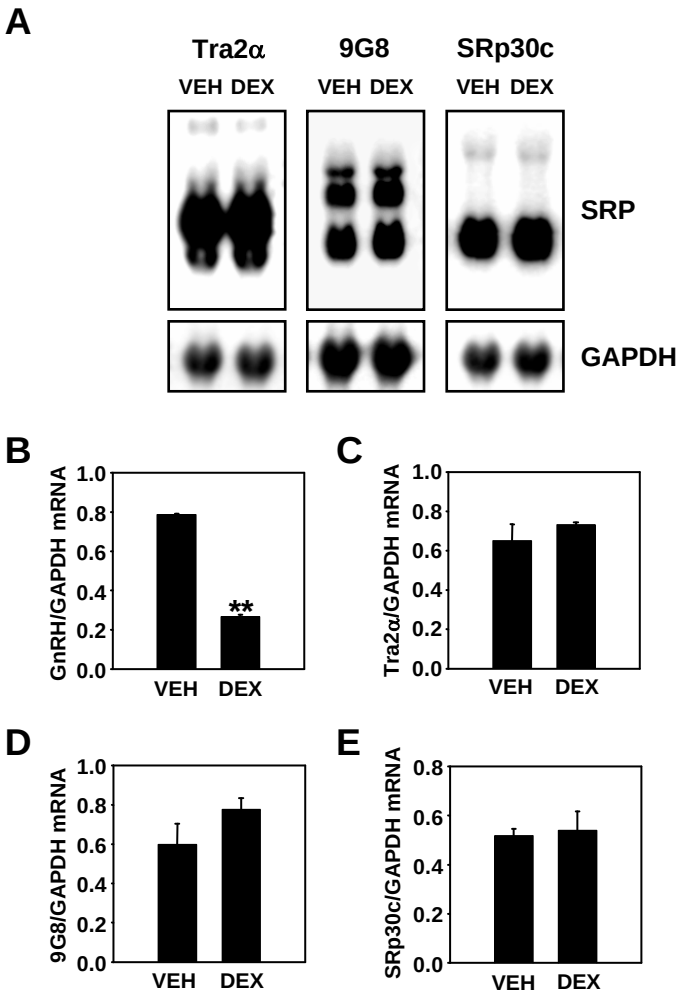
Supplemental Figure S1



Supplemental Figure S2



Supplemental Figure S3



Supplemental Figure S4