Supplemental Figure Legends

Supplemental Figure 1: LRH-1 and SF-1 activity in granulosa cells. Schematic representation of the (A) LRH-1 LBD and (B) SF-1 LBD GAL4 fusion constructs used in the GAL4 activation assays performed in GRMO2 cells. The data represents the mean ± SEM of at least 4 independent experiments performed in triplicate. a indicates $P < 0.05$ vs. GAL4 or WT NR5A LBD, b indicates $P < 0.05$ vs. GAL4, and c indicates $P < 0.01$ vs. GAL4 or WT NR5A LBD.

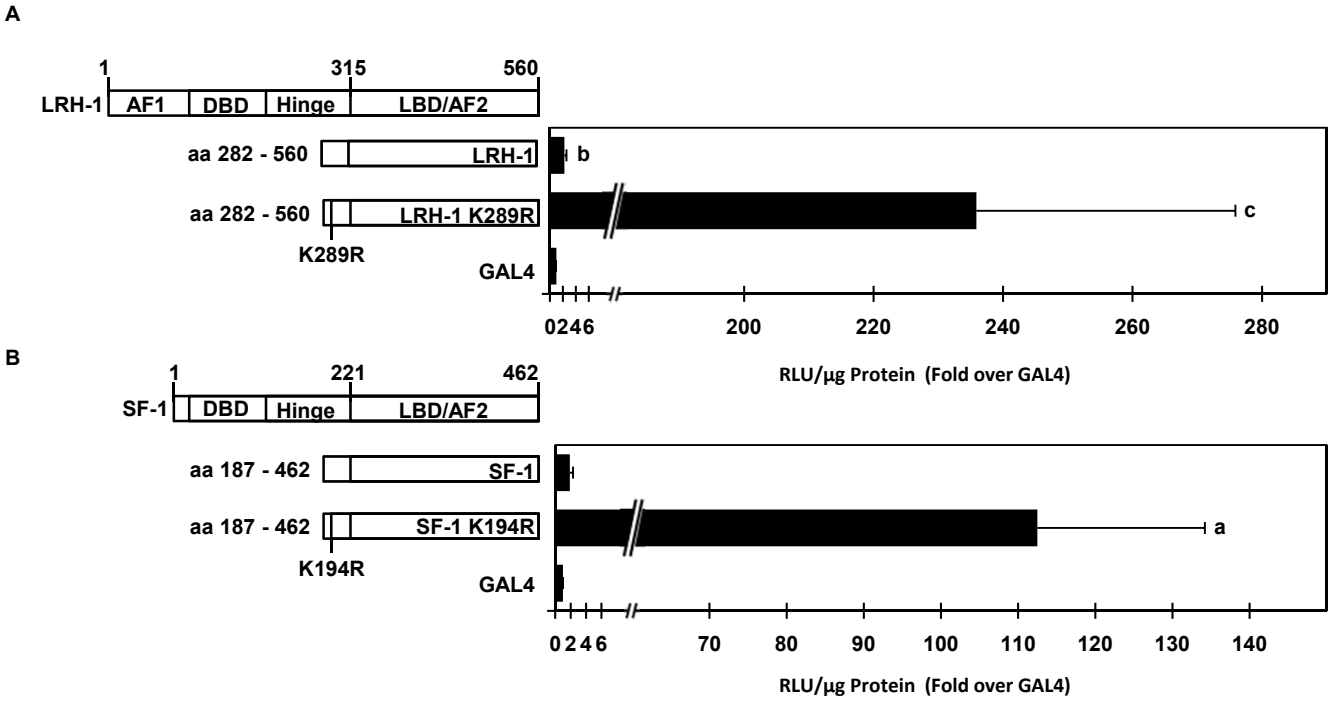
Supplemental Figure 2: Negative control for (A) FHL2 or (B) FHL1 immunohistochemistry. Immunohistochemistry was performed on a paraffin embedded d18 mouse ovary section using only a secondary antibody. Blocking solution was applied to the sections during the primary antibody incubation steps.

Supplemental Figure 3: FHL2 interacts with CREB *in vivo* and *in vitro* (A) β-gal assays performed with yeast cell lysates. Results are an mean ± SEM of 3 independent experiments. (B) GST pulldown assays were performed with full length GST-FHL2. 10% of the input sample was run as a control.

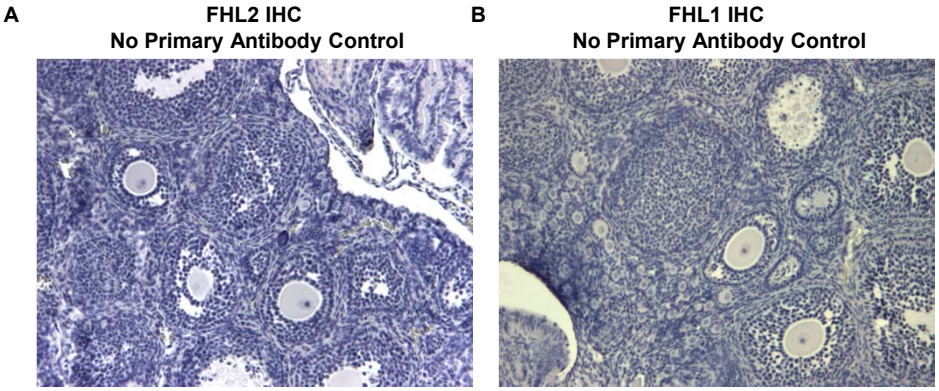
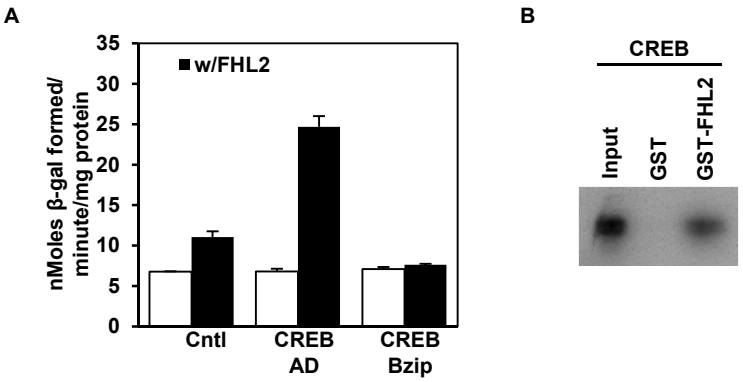
Table 1: List of PCR primers used in this study

Gene	PCR assay	Primer Sequence
RPL19	Semi-quantitative	CTGAAGGTCAAAGGGAATGTG
		GGACAGAGTCTTGATGATCTC
FHL2	Semi-quantitative	GGCAAGAAGTACATTCTAAAGGAGG
		CTTGTATTCCATCTTGCGCC
RPL19	qPCR	CGGGAATCCAAGAAGATTGA
		TTCAGCTTGTGGATGTGCTC
FHL1	qPCR	CTGCGTGGATTGCTACAAGA
		CCTTCATAGGCCACCACACT
FHL2	qPCR	CAGCTATCTGGGCAACGCTT
		CCACCAGAGACAGGGAGCACTTC
Inhibin-α	qPCR	GTGGGGATCCTGGAATAAGG
		GCACCTGTAGCTGGGAAAAG
ERβ	qPCR	TGTGTGTGAAGGCCATGATT
		TCTTCGAAATCACCCAGACC
CREB	qPCR	CCTGCCATCACCACTGTAAC
		TGTACCCCATCCGTACCATT
P450scc	qPCR	CTGCCTCCAGACTTCTTTCG
		CTGGCTGAAGTCTCGCTTCT
Inhibin-α	ChIP-qPCR	CCTGAATGGGTCAGGTCACT
		ACCCTTCTCACCCCAGTCTC

Supplemental Figure 1:



Supplemental Figure 2:



Supplemental Figure 3: