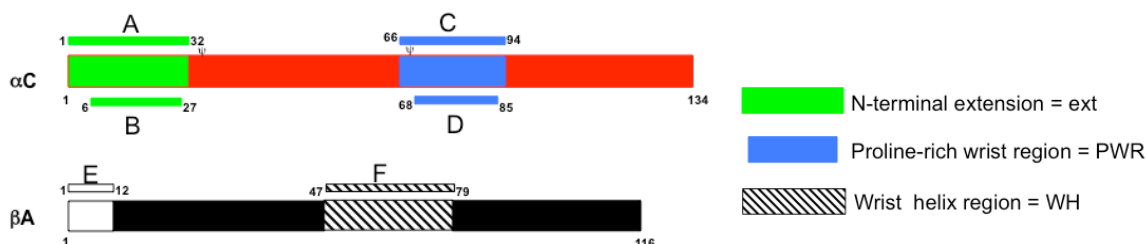


**Figure S4. Detail of mutations within human inhibin  $\alpha$ C and  $\beta$ A-subunits. A)** The schematic representation of wild-type human  $\alpha$ C and human  $\beta$ A-subunits. The letters “A,” “B,” “C,” “D,” “E” and “F” denote the six candidate regions targeted for deletion. **B)** The residue numbers and sequences for the six regions targeted for deletion and used for generating the inhibin  $\alpha$ -subunit deletion mutants and inhibin  $\beta$ A-subunit chimera mutants. **C)** Design and naming conventions for the  $\alpha$ -subunit and  $\beta$ A-subunit mutants.

**A**



**B**

Region	Amino acid location	Sequence
A	1-32	STPLMSWPWSPSALRLLQRPPEEPAAHANCHR
B	$\alpha$ 6-27	SWPWSPSALRLLQRPPEEPAAH
C	66-94	HIPPNLSLPVPGAPPTPAQPYSLLPGAQP
D	68-85	PPNLSLPVPGAPPTPAQP
E	$\beta$ A 1-12	GLECDGKVNICC
F	47-79	HIAGTSGSSLSFHSTVINQYRLRGHNPFANLKS

**C**

Wild type inhibinA	mutants	mutants detail
$\alpha^{Hwt}/\beta A$	$\alpha^{Hext-}/\beta A$	Remove region “B”,heterodimer with $\beta A$
$\alpha^{Chwt}/\beta A$	$\alpha^{Hwr-}/\beta A$	Remove region “D”,heterodimer with $\beta A$
$\beta A/\beta A$	$\alpha^{Hext-wr-}/\beta A$	Remove region “B” and “D”,heterodimer with $\beta A$
	$\beta A^{Hext+}/\beta A^{Hext+}$	Replace region “E” with region “A”
	$\beta A^{Hwr+}/\beta A^{Hwr+}$	Replace region “F” with region “C”
	$\beta A^{HD}/\beta A^{HD}$	Remove region “F”

Note: H=human, Ch=chicken, wt=wildtype, ext=extension region, wr=wrist region, HD=Helix deletion