

Supplemental Table S1: Guide to nomenclature used for steroids included in this review, including abbreviation, full names and commonly used synonyms.

Abbreviation	Steroid name	Full name	Common synonyms
Preg	pregnenolone	pregn-5-en-3 β -ol-20-one	3beta-Hydroxypregn-5-en-20-one
17OH-Preg	17 hydroxy-pregnenolone	17 α -hydroxypregnenolone	17-Hydroxypregnenolone 17-OH-pregnenolone 17-alpha-Hydroxypregnenolone
P4	progesterone	pregn-4-ene-3,20-dione	Agolutin Luteohormone
17OH-P4	hydroxy-progesterone	17 α -hydroxyprogesterone	17-Hydroxyprogesterone 17a-Hydroxyprogesterone
DHEA	dehydroepiandrosterone	3 β -hydroxy-androst-5-ene-17-one	Dehydroisoandrosterone
	androstenedione	4-androstene-3,17-dione	Androst-4-ene-3,17-dione 4-Androstenedione
	androstenediol	3 β ,5 α -androstenediol	5 α -androstenediol androst-5-ene-3 β ,17 β -diol
	androstenedione	androst-4-ene-3,17-dione	4-androstenedione; Δ 4-dione Androst-4-ene-3,17-dione; 4-Androstene-3,17-dione 17-Ketotestosterone 17-Oxotestosterone
T	testosterone	17 β -hydroxyandrost-4-en-3-one	17-beta-Hydroxy-delta(sup 4)-androst-3-one 17-beta-Hydroxyandrost-4-en-3-one 17-Hydroxy-(17-beta)-androst-4-en-3-one
DHT	dihydrotestosterone	5 α -androstan-17 β -ol-3-one	5 α -dihydrotestosterone, 5 α -DHT Androstanolone Stanolone, Andractim Androlone
	5 α -dihydroprogesterone	5 α -pregnane-3,20-dione	5alpha-Pregnane-3,20-dione 3,20-Allopregnanedione 5a-Pregnane-3,20-dione 5 α -Pregnanedione 5-alpha-Dihydroprogesterone
17-OH-DHP	17 α OH dihydroprogesterone	5 α -pregnane 17 α -ol-3,20-dione	(5alpha)-17-Hydroxypregnane-3,20-dione Allopregnane-3,20-dione-17 α -ol 5alpha-Pregnan-17-ol-3,20-dione 17 α -Hydroxy-5 α -pregnane-3,20-dione 17-Hydroxydihydroprogesterone 17 α -hydroxy-dihydroprogesterone
	5 α -androstanedione	5 α -androstane-3,17-dione	Dihydroandrostenedione Dihydroandrostendione Androstanedione 5alpha-Androstan-3,17-dione
	allopregnanolone	5 α -pregnane 3 α -ol,20-one	Brexanolone Allopregnan-3alpha-ol-20-one Allotetrahydroprogesterone
17-OH-allo	17-OH allopregnanolone	5 α -pregnane 3 α ,17 α -diol, 20-one	(3 α ,5 α)-3,17-Dihydroxypregnan-20-one 5 α -pregnan-3 α ,17 α -diol-20-one 3 α ,17-dihydroxy-5 α -pregnan-20-one

			3 α ,5 α -3,17-dihydroxypregnan-20-one 17-hydroxyallopregnanolone.
	androsterone	3 α -hydroxy-5 α -androstan-17-one	5 α -androstan-3 α -ol-17-one Androkinine Androtine
Adiol (3b-diol)	Androstanediol (3b-diol)	5 α -androstan-3 β ,17 β -diol	3 β -Androstanediol Androstane-3,17-diol (3 β ,5 α ,17 β)-Androstane-3,17-diol 3 β -Diol; Maxterone 3 β ,17 β -Androstanediol 3 β ,17 β -Dihydroxy-5 α -androstan-
Adiol (3a-diol)	Androstanediol (3a-diol)	5 α -androstan-3 α ,17 β -diol	3 α -Androstanediol Androstane-3,17-diol, (3 α ,5 α ,17 β)- (3 α ,5 α ,17 β)-Androstane-3,17-diol 3 α ,17 β -Dihydroxy-5 α -androstan- Androstane-3 α ,17 β -diol
E2	Estradiol	estra-1,3,5(10)-triene-3,17 β -diol	Oestradiol; 17 β -Estradiol; 17 β -Oestradiol
E1	Estrone	3-hydroxyestra-1,3,5(10)-trien-17-one	Oestrone; folliculin
E3	Estriol	estra-1,3,5(10)-triene-3,16 α ,17 β -triol	Oestriol; Estratriol; Trihydroxyestrin; Trihydroxyoestrin; 16 α -Hydroxyestradiol

Supplemental table 2: Guide to steroidogenesis nomenclature used for steroidogenic machinery elements included in this review, including alternative and commonly used names. The reader should beware the frequent differences between gene and protein names and the range of alternative names. In the text of this review we have used the most commonly used names.

Gene symbol	Gene name	Protein name	Alternative names
<i>AKR1C1</i>	aldo-keto reductase family 1 member C1	Aldo-keto reductase family 1 member C1	20 alpha-hydroxysteroid dehydrogenase (20-alpha-HSD); aldo-keto reductase C ;
<i>AKR1C2</i>	aldo-keto reductase family 1 member C2	aldo-keto reductase family 1 member C2	3-alpha hydroxysteroid dehydrogenase, type III (3-alpha-HSD3)
<i>AKR1C3</i>	aldo-keto reductase family 1 member C3	aldo-keto reductase family 1 member C3	3-alpha hydroxysteroid dehydrogenase, type II; testosterone 17-beta-dehydrogenase 5 (HSD17B5); prostaglandin F synthase (PGFS)
<i>CYB5A</i>	cytochrome b5 type A	cytochrome b5	CYB5; MCB5; METAG
<i>CYP7B1</i>	cytochrome P450 family 7 subfamily B member 1	cytochrome P450 7B1	24-hydroxycholesterol 7-alpha-hydroxylase; 3-hydroxysteroid 7-alpha hydroxylase
<i>CYP11A1</i>	cytochrome P450 family 11 subfamily A member 1	cholesterol side-chain cleavage enzyme, mitochondrial	cytochrome P450 11A1 (CYP11A); cytochrome P450(scc) (P450SCC)
<i>CYP17A1</i>	cytochrome P450 family 17 subfamily A member 1	steroid 17-alpha-hydroxylase/17,20 lyase	17-alpha-hydroxyprogesterone aldolase; cytochrome P450 17A1 (P450C17); cytochrome P450-C17 (CYP17)
<i>CYP19A1</i>	cytochrome P450 family 19 subfamily A member 1	aromatase	Cytochrome P-450AROM (ARO); Cytochrome P450 19A1 (CYP19A1, CYP19; P-450AROM); Estrogen synthase
<i>HSD3B1</i>	hydroxy-delta-5-steroid dehydrogenase, 3 beta-	3 beta-hydroxysteroid dehydrogenase/Delta 5->4-isomerase type 1	HSD3B; 3BetaHSD

	and steroid delta-isomerase 1		
<i>HSD3B2</i>	hydroxy-delta-5-steroid dehydrogenase, 3 beta-and steroid delta-isomerase 2	3 beta-hydroxysteroid dehydrogenase/Delta 5->4-isomerase type 2	HSDB; HSD3B
<i>HSD17B2</i>	hydroxysteroid 17-beta dehydrogenase 2	17-beta-hydroxysteroid dehydrogenase type 2	17-beta-HSD 2; HSD17; 20 alpha-hydroxysteroid dehydrogenase (20-alpha-HSD); estradiol 17-beta-dehydrogenase 2 (EDH17B2); testosterone 17-beta-dehydrogenase; short chain dehydrogenase/reductase family 9C member 2 (SRD9C2)
<i>HSD17B3</i>	hydroxysteroid 17-beta dehydrogenase 3	testosterone 17-beta-dehydrogenase 3	17-beta-hydroxysteroid dehydrogenase type 3; 17-beta-HSD 3; testicular 17-beta-hydroxysteroid dehydrogenase estradiol 17-beta-dehydrogenase 2 (EDH17B3); short chain dehydrogenase/reductase family 12C member 2 (SDR12C2);
<i>HSD17B6</i>	hydroxysteroid 17-beta dehydrogenase 6	17-beta-hydroxysteroid dehydrogenase type 6	17-beta-HSD 6; 3(alpha->beta)-hydroxysteroid epimerase (HSE); short chain dehydrogenase/reductase family 9C member 6 (SDR9C6)
<i>HSD17B10</i>	hydroxysteroid 17-beta dehydrogenase 10	3-hydroxyacyl-CoA dehydrogenase type-2	17b-HSD10; 3-hydroxy-2-methylbutyryl-CoA dehydrogenase; amyloid-beta peptide binding alcohol dehydrogenase ; AB-binding alcohol dehydrogenase (ABAD) endoplasmic reticulum-associated amyloid beta-peptide-binding protein (ERAB) mitochondrial RNase P subunit 2 mitochondrial ribonuclease P protein 2 short chain L-3-hydroxyacyl-CoA dehydrogenase type 2 (SCHAD)
<i>RDH16</i>	retinol dehydrogenase 16	retinol dehydrogenase 16	human epidermal retinol dehydrogenase (hRDH-E); sterol/retinol dehydrogenase; microsomal NAD+-dependent retinol dehydrogenase 4 (RODH-4) short chain dehydrogenase/reductase family 9C, member 8 (SDR9C8)
<i>RDH5</i>	retinol dehydrogenase 5	retinol dehydrogenase 5	HSD17B9 11-cis RDH ; 11-cis RoDH ; 9-cis retinol dehydrogenase (9cRDH); retinol dehydrogenase 1 (RDH1) short chain dehydrogenase/reductase family 9C member 5 (SDR9C5)
<i>SRD5A1</i>	steroid 5 alpha-reductase 1	3-oxo-5-alpha-steroid 4-dehydrogenase 1	steroid 5-alpha-reductase type I (S5AR1); steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)
<i>SRD5A2</i>	steroid 5 alpha-reductase 2	3-oxo-5-alpha-steroid 4-dehydrogenase 2	type II 5-alpha reductase; 5 alpha-SR2; S5AR 2; SR type 2

			steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)
<i>SRD5A3</i>	steroid 5 alpha-reductase 3	polyprenol reductase	3-oxo-5-alpha-steroid 4-dehydrogenase (NADP(+)); 3-oxo-5-alpha-steroid 4-dehydrogenase 3 S5AR 3; SR type 3
<i>STAR</i>	steroidogenic acute regulatory protein	steroidogenic acute regulatory protein, mitochondrial	START domain containing 1 (STARD1); START domain-containing protein 1 StAR related lipid transfer (START) domain containing 1 cholesterol trafficker mitochondrial steroid acute regulatory protein steroidogenic acute regulator testis secretory sperm-binding protein Li 241mP
<i>STS</i>	steroid sulfatase	steryl-sulfatase	arylsulfatase C (ARSC; ASC; ARSC1); estrone sulfatase (ES); steroid sulfatase (microsomal), isozyme S (SSDD) steryl-sulfate sulfohydrolase
<i>SULT2A1</i>	sulfotransferase family 2A member 1	sulfotransferase 2A1	alcohol/hydroxysteroid sulfotransferase (HST, STD) bile-salt sulfotransferase 2A1 (ST2A1; ST2A3) sulfotransferase family, cytosolic, 2A (ST2; hSTa; SULT2A3) dehydroepiandrosterone (DHEA)-preferring, member 1 (DHEA-ST; DHEA-ST8, DHEAS)
<i>SULT2B1</i>	sulfotransferase family 2B member 1	sulfotransferase 2B1	ST2B1 alcohol sulfotransferase hydroxysteroid sulfotransferase 2 (HSST2) hydroxysteroid sulfotransferase SULT2B1a sulfotransferase family, cytosolic, 2B, member 1
<i>UGT2B7</i>	UDP glucuronosyltransferase family 2 member B7	UDP-glucuronosyltransferase 2B7	3,4-catechol estrogen-specific UDPGT UDP glucuronosyltransferase 2 family, polypeptide B7 (UDPGT2B7) UDP-glucuronosyltransferase 2B9 (UDPGT 2B9; UGT2B9) UDP-glucuronosyltransferase, family 2, beta-7 (UDPGT 2B7; UDPGTH2; UDPGTh-2)
<i>UGT2B15</i>	UDP glucuronosyltransferase family 2 member B15	UDP-glucuronosyltransferase 2B15	UDP glucuronosyltransferase 2 family, member 15; UDP glycosyltransferase 2B15; UDP glucuronosyltransferase 2 family, polypeptide B15; UDP glycosyltransferase 2 family, member B15 ; UDP-glucuronosyltransferase UGT2B15; UDP-glucuronosyltransferase, family 2, beta-15 (UDPGT2B15) UDP glucuronosyltransferase 2 family, member B8; UDP-glucuronosyltransferase 2B8 uridine diphosphate glucuronosyltransferase 2 family, member B8 (UGT2B8; UDPGT 2B8) uridine diphosphate glycosyltransferase 2 family, member B15
<i>UGT2B17</i>	UDP glucuronosyltransferase family 2 member B17	UDP-glucuronosyltransferase 2B17	C19-steroid-specific UDP-glucuronosyltransferase

UDP glucuronosyltransferase 2 family,
polypeptide B17 (UDPGT2B17)
UDP glycosyltransferase 2 family, member B17
UDP-glucuronyltransferase, family 2, beta-17
