

Table S5. Fold preferences of AncSR1 and AnSR2 for the hormone pairs indicated in Fig. 2.

		Hormone 1	EC ₅₀ (nM)	Hormone 2	EC ₅₀ (nM)	Ratio H1/H2	Ratio H2/H1
b	preference for aromatized A-ring (H1/H2)	18	1765	19	49	36.02	0.03
		22	>10 000	20	69	144.93	0.01
		8	>10 000	23	179	55.87	0.02
c	preference for non-aromatized A-ring (H1/H2)	23	182	8	1.6	113.75	0.01
		19	>10 000	18	20	500.00	0.00
d	preference for 17-acetyl vs. 17-hydroxy group (H1/H2)	13	116	6	5.5	21.09	0.05
		17	69	8	1.6	43.13	0.02
		15	262	9	2.2	119.09	0.01
		16	83	10	3.8	21.84	0.05
		19	>10 000	23	182	54.95	0.02
e	preference for 3-hydroxy vs. 3-keto group (H2/H1)	18	20	17	69	0.29	3.45
		9	2.2	6	5.5	0.40	2.50
		15	262	13	116	2.26	0.44
f	preference for 21-OH group vs. H group (H2/H1)	1	0.42	6	5.5	0.08	13.10
		2	1.5	7	19	0.08	12.67
g	preference for 11-OH vs. H group (H1/H2)	1	0.42	3	0.31	1.35	0.74
		2	1.5	4	9.8	0.15	6.53
h	preference for 17a-H group vs. -OH group (H2/H1)	3	0.31	4	9.8	0.03	31.61
		6	5.5	7	19	0.29	3.45
i	preference for 19-H vs. 19-methyl group (H2/H1)	8	1.6	6	5.5	0.29	3.44
		17	69	13	116	0.59	1.68
		18	20	15	262	0.08	13.10

- 1 11-deoxycorticosterone
- 2 11-deoxycortisol
- 3 corticosterone
- 4 cortisol
- 5 aldosterone
- 6 progesterone
- 7 17a-hydroxyprogesterone
- 8 19-norprogesterone
- 9 4-pregnenolone
- 10 5-pregnenolone
- 11 20a hydroxyprogesterone
- 12 20b hydroxyprogesterone
- 13 testosterone
- 14 dihydrotestosterone
- 15 4-androstenediol
- 16 5-androstenediol
- 17 19-nortestosterone
- 18 bolandiol
- 19 estradiol
- 20 estrone
- 21 estriol
- 22 4-androstenedione
- 23 NPT