Supplemenal data Figure S1

Conservation of ligand-containing residues among human, chicken, alligator, *Xenopus*, and zebrafish corticoid receptors. Aligned amino acids forming the ligand-binding pocket of five species glucocorticoid receptors (A), and mineralocorticoid receptors (B), based on homology to human receptors with solved structures. Residue numbers refer to the positions shown in C. Red color indicates amino acid no-identical to alligator receptor. (C) Schematic of the ligand-binding pocket of corticoid receptors with steroid hormones, based on homology to the crystal structures of human GR and human MR (Blessoe et al., 2002; Li et al., 2005). Blue residues as in A and B. Circles marked "R" indicate substituents that vary among steroid hormones. Blue, amino acids making direct hydrogen bonds with ligands (Huyet et al., 2012).

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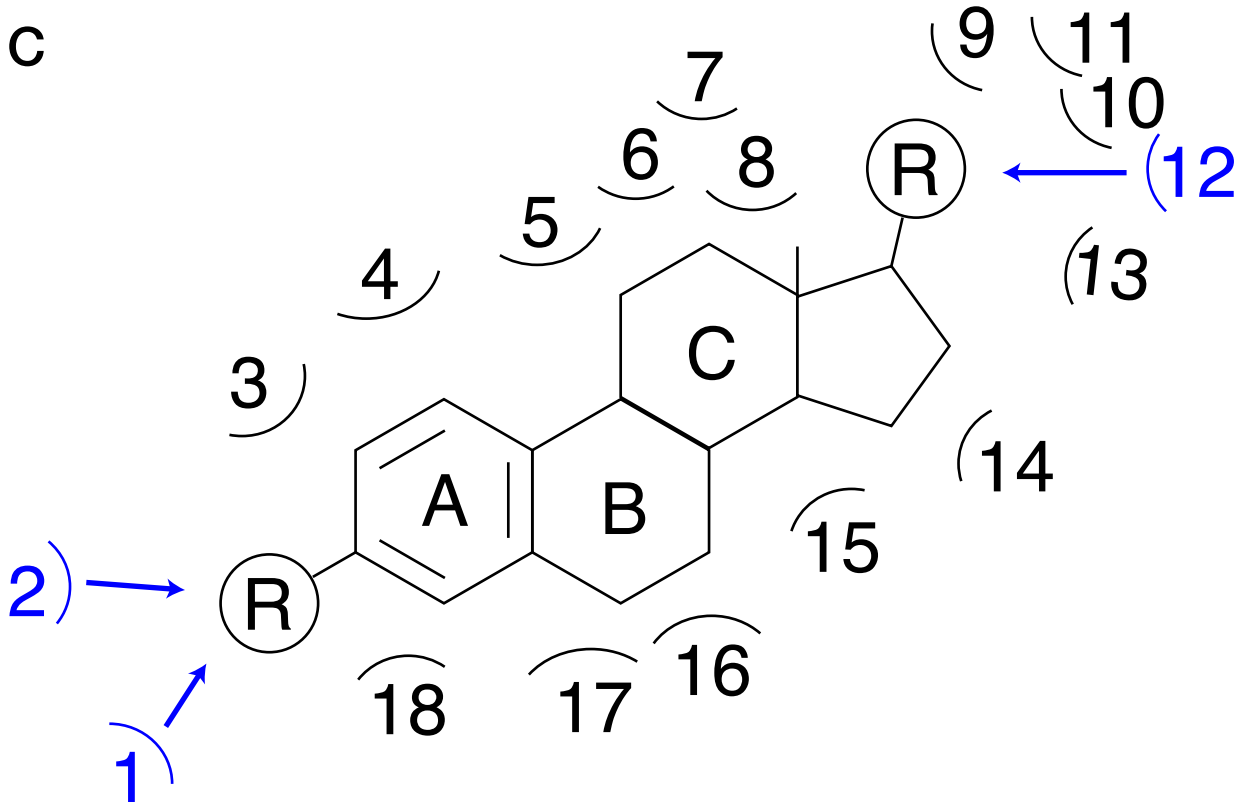
A

	hGR	cGR	aGR	xGR	zGR
1	R(611)	R	R	R	R
2	Q(570)	Q	Q	Q	Q
3	M(604)	M	M	M	M
4	L(566)	L	L	L	L
5	N(564)	N	N	N	N
6	L(563)	L	L	L	L
7	L(753)	L	L	L	L
8	M(560)	M	L	M	M
9	T(739)	T	T	S	T
10	C(736)	C	C	C	C
11	F(749)	F	F	F	F
12	Y(735)	F	F	F	F
13	L(732)	L	L	L	L
14	Q(642)	Q	Q	R	Q
15	M(646)	M	M	M	M
16	W(600)	W	W	W	W
17	M(601)	M	M	M	L
18	F(623)	F	F	F	F

B

	hMR	cMR	aMR	xMR	zMR
1	R(817)	R	R	R	R
2	Q(776)	Q	Q	Q	Q
3	S(810)	S	S	S	S
4	L(772)	L	L	L	L
5	N(770)	N	N	N	N
6	L(769)	L	L	L	L
7	L(960)	L	L	L	L
8	L(766)	L	L	L	L
9	T(945)	T	T	T	T
10	C(942)	C	C	C	C
11	F(956)	F	F	F	F
12	F(941)	F	F	F	F
13	L(938)	L	L	L	L
14	L(848)	L	L	L	L
15	M(852)	M	M	M	M
16	W(806)	W	W	W	W
17	M(807)	M	M	M	M
18	F(829)	F	F	F	F

C



Supplemental data Figure S1