

Table 1 - List of GPCRs used in this study (Class A, excluding singletons).

Only receptors that were human, non-olfactory, and not orphan, were used. For each receptor, the respective (sub) family, gene symbol, official IUPHAR name, and number of ligands are provided.

Family	Gene symbol	Official IUPHAR name	Number of ligands
5-Hydroxytryptamine receptors	HTR1A	5-HT _{1A}	2382
5-Hydroxytryptamine receptors	HTR1B	5-HT _{1B}	708
5-Hydroxytryptamine receptors	HTR1D	5-HT _{1D}	1568
5-Hydroxytryptamine receptors	HTR1E	5-HT _{1E}	80
5-Hydroxytryptamine receptors	HTR1F	5-HT _{1F}	243
5-Hydroxytryptamine receptors	HTR2A	5-HT _{2A}	1353
5-Hydroxytryptamine receptors	HTR2B	5-HT _{2B}	398
5-Hydroxytryptamine receptors	HTR2C	5-HT _{2C}	958
5-Hydroxytryptamine receptors	HTR4	5-HT ₄	552
5-Hydroxytryptamine receptors	HTR5A	5-HT _{5A}	70
5-Hydroxytryptamine receptors	HTR6	5-HT ₆	571
5-Hydroxytryptamine receptors	HTR7	5-HT ₇	263
Acetylcholine receptors (muscarinic)	CHRM1	M ₁	1459
Acetylcholine receptors (muscarinic)	CHRM2	M ₂	611
Acetylcholine receptors (muscarinic)	CHRM3	M ₃	543
Acetylcholine receptors (muscarinic)	CHRM4	M ₄	213

Acetylcholine receptors (muscarinic)	CHRM5	M ₅	137
Adenosine receptors	ADORA1	A ₁	1063
Adenosine receptors	ADORA2A	A _{2A}	1223
Adenosine receptors	ADORA2B	A _{2B}	1050
Adenosine receptors	ADORA3	A ₃	1222
Adrenoceptors	ADRA1A	α_{1A}	1256
Adrenoceptors	ADRA1B	α_{1B}	1090
Adrenoceptors	ADRA1D	α_{1D}	1090
Adrenoceptors	ADRA2A	α_{2A}	939
Adrenoceptors	ADRA2B	α_{2B}	751
Adrenoceptors	ADRA2C	α_{2C}	864
Adrenoceptors	ADRB1	β_1	980
Adrenoceptors	ADRB2	β_2	937
Adrenoceptors	ADRB3	β_3	1693
Angiotensin receptors	AGTR1	AT ₁	2199
Angiotensin receptors	AGTR2	AT ₂	73
Bombesin receptors	BRS3	BB ₃	51
Bombesin receptors	GRPR	BB ₂	37
Bombesin receptors	NMBR	BB ₁	93
Bradykinin receptors	BDKRB1	B ₁	190
Bradykinin receptors	BDKRB2	B ₂	347
Cannabinoid receptors	CNR1	CB ₁	322
Cannabinoid receptors	CNR2	CB ₂	344

Chemokine receptors	CCR1	CCR1	181
Chemokine receptors	CCR2	CCR2	210
Chemokine receptors	CCR3	CCR3	454
Chemokine receptors	CCR4	CCR4	75
Chemokine receptors	CCR5	CCR5	719
Chemokine receptors	IL8RA	CXCR1	55
Chemokine receptors	IL8RB	CXCR2	88
Cholecystokinin receptors	CCKAR	CCK ₁	453
Cholecystokinin receptors	CCKBR	CCK ₂	713
Dopamine receptors	DRD1	D ₁	367
Dopamine receptors	DRD2	D ₂	2159
Dopamine receptors	DRD3	D ₃	1264
Dopamine receptors	DRD4	D ₄	1870
Dopamine receptors	DRD5	D ₅	79
Endothelin receptors	EDNRA	ET _A	1863
Endothelin receptors	EDNRB	ET _B	1368
Glycoprotein hormone receptors	FSHR	FSH	46
Glycoprotein hormone receptors	LHCGR	LH	406
Histamine receptors	HRH1	H ₁	254
Histamine receptors	HRH2	H ₂	188
Histamine receptors	HRH3	H ₃	789
Histamine receptors	HRH4	H ₄	69
Leukotriene receptors	CYSLTR1	CysLT ₁	634

Leukotriene receptors	CYSLTR2	CysLT ₂	30
Leukotriene receptors	LTB4R	BLT ₁	679
Leukotriene receptors	LTB4R2	BLT ₂	509
Melanocortin receptors	MC1R	MC ₁	81
Melanocortin receptors	MC3R	MC ₃	98
Melanocortin receptors	MC4R	MC ₄	533
Melanocortin receptors	MC5R	MC ₅	96
Melatonin receptors	MTNR1A	MT ₁	507
Melatonin receptors	MTNR1B	MT ₂	551
Neuropeptide Y receptors	NPY1R	Y ₁	280
Neuropeptide Y receptors	NPY2R	Y ₂	37
Neuropeptide Y receptors	NPY5R	Y ₅	548
Neurotensin receptors	NTSR1	NTS ₁	27
Neurotensin receptors	NTSR2	NTS ₂	28
Opioid receptors	OPRD1	δ	1011
Opioid receptors	OPRK1	κ	945
Opioid receptors	OPRL1	NOP	265
Opioid receptors	OPRM1	μ	864
P2Y receptors	P2RY1	P2Y ₁	42
P2Y receptors	P2RY12	P2Y ₁₂	82
Prostanoid receptors	PTGDR	DP ₁	159
Prostanoid receptors	PTGER1	EP ₁	237
Prostanoid receptors	PTGER2	EP ₂	226

Prostanoid receptors	PTGER3	EP ₃	257
Prostanoid receptors	PTGER4	EP ₄	267
Prostanoid receptors	PTGFR	FP	44
Prostanoid receptors	PTGIR	IP ₁	91
Prostanoid receptors	TBXA2R	TP	1281
Somatostatin receptors	SSTR1	sst ₁	76
Somatostatin receptors	SSTR2	sst ₂	141
Somatostatin receptors	SSTR3	sst ₃	89
Somatostatin receptors	SSTR4	sst ₄	86
Somatostatin receptors	SSTR5	sst ₅	79
Tachykinin receptors	TACR1	NK ₁	2686
Tachykinin receptors	TACR2	NK ₂	768
Tachykinin receptors	TACR3	NK ₃	486
Vasopressin and oxytocin receptors	AVPR1A	V _{1A}	409
Vasopressin and oxytocin receptors	AVPR1B	V _{1B}	279
Vasopressin and oxytocin receptors	AVPR2	V ₂	416
Vasopressin and oxytocin receptors	OXTR	OT	309