

Table S7. GPCRome and Radioligand Binding Assay Results

Select results of GPCRome screening and competition binding experiments of the selected receptors. Fold of Basal (FOB) and pKi values were extracted from a minimum of 3 independent assays in at least triplicate. Fold of Basal (FOB) and pKi displayed values are mean ± SEM. N.D. - not determined.

DNA	FOB ± SEM	pKi ± SEM	Ki (nM)
ADORA1	3.7 ± 0.4	N.D.	N.D.
ADRA1A	2.4 ± 0.2	6.23 ± 0.09	584
ADRA1D	0.7 ± 0.2	6.12 ± 0.22	759
ADRA2A	23.9 ± 3	6.20 ± 0.21	631
ADRA2B	65 ± 5.6	6.54 ± 0.14	291
ADRA2C	41.5 ± 1.8	6.93 ± 0.19	118
ADRB1	1.5 ± 0.2	N.D.	N.D.
ADRB2	1.3 ± 0.2	N.D.	N.D.
ADRB3	0.6 ± 0.1	N.D.	N.D.
CHRM1	1.1 ± 0.2	N.D.	N.D.
CHRM2	0.7 ± 0.1	5.62 ± 0.21	2417
CHRM3	1.9 ± 0.2	N.D.	N.D.
CHRM4	0.5 ± 0.1	N.D.	N.D.
CHRM5	1.2 ± 0.1	N.D.	N.D.
CXCR6	2.6 ± 0.8	N.D.	N.D.
CXCR7	9.2 ± 1.7	N.D.	N.D.
DRD1	9.2 ± 1.4	6.41 ± 0.18	387
DRD2	77.9 ± 0.5	7.00 ± 0.09	101
DRD3	52.2 ± 5.5	8.66 ± 0.16	2
DRD4	17.0 ± 3.5	7.20 ± 0.1	63
DRD5	6.7 ± 0.2	6.35 ± 0.19	447
GPBA	3.5 ± 0.3	N.D.	N.D.
GPR44	4.2 ± 1.1	N.D.	N.D.
HRH1	1.1 ± 0.1	6.68 ± 0.22	211
HRH2	1.1 ± 0.2	N.D.	N.D.
HRH3	1.0 ± 0.1	N.D.	N.D.
HTR1A	26.9 ± 0.4	7.12 ± 0.15	76
HTR1B	2.5 ± 0.4	5.76 ± 0.17	1725
HTR1D	3.2 ± 0.8	6.73 ± 0.16	188
HTR1E	1.1 ± 0.1	N.D.	N.D.
HTR2A	2.6 ± 0.4	N.D.	N.D.
HTR2B	3.2 ± 0.2	6.20 ± 0.14	636
HTR4	1.3 ± 0.4	N.D.	N.D.
HTR5	2.7 ± 0.1	6.12 ± 0.26	759
HTR6	1.3 ± 0.1	N.D.	N.D.
HTR7	1.4 ± 0.1	6.88 ± 0.03	131
MC4R	3.0 ± 0.2	N.D.	N.D.
MTNR1B	3.2 ± 0.9	N.D.	N.D.
OPRK1	2.1 ± 0.2	6.11 ± 0.24	770
OPRM1	1.2 ± 0.2	5.52 ± 0.02	2997
SSTR1	10.0 ± 1.6	N.D.	N.D.
SSTR4	56.8 ± 6.4	N.D.	N.D.