

	Diversity profile	Assay
1	Serotonin 5-HT1A	cAMP
2	Serotonin 5-HT1B	GTPγS
3	Serotonin 5-HT2A	AEQ
4	Serotonin 5-HT2B	AEQ
5	Serotonin 5-HT2Cne	AEQ
6	Serotonin 5-HT3	AEQ
7	Serotonin 5-HT4e	cAMP
8	Serotonin 5-HT5	AEQ
9	Serotonin 5-HT6	cAMP
10	Serotonin 5-HT7	cAMP
11	Adenosine A1	cAMP
12	Adenosine A2A	cAMP
13	Adenosine A3	cAMP
14	Adrenergic beta1	cAMP
15	Adrenergic beta2	cAMP
16	Adrenergic alpha1A	AEQ
17	Adrenergic alpha1B	AEQ
18	Adrenergic alpha2A	GTPγS
19	Adrenergic alpha2B	GTPγS
20	Adrenergic alpha2C	GTPγS
21	Angiotensin AT1	AEQ
22	Bradykinin B1	AEQ
23	Cannabinoid CB1	cAMP
24	Cannabinoid CB2	cAMP
25	Cholecystokinin CCK1	AEQ
26	Cholecystokinin CCK2	AEQ
27	Calcitonin CGRP	AEQ
28	Chemokine CXCR1	GTPγS
29	Leukotrien CysLT1	AEQ
30	Dopamine D1	cAMP
31	Dopamine D2	GTPγS
32	Dopamine D3	GTPγS
33	Dopamine D4.4	GTPγS
34	Endothelin ETA	AEQ
35	Endothelin ETB	AEQ
36	Ghrelin GHS-R	AEQ
37	Histamine H1	AEQ
38	Histamine H2	cAMP
39	Histamine H3	GTPγS
40	Motilin MTL	AEQ
41	Muscarinic M1	AEQ
42	Muscarinic M2	GTPγS
43	Muscarinic M3	AEQ
44	Muscarinic M4	GTPγS
45	Muscarinic M5	AEQ
46	Nociceptin OFQ (NOP)	GTPγS
47	Neurokinin NK1	AEQ
48	Neurokinin NK2	AEQ
49	Neuropeptide NPY1	cAMP
50	Opioid OP1	GTPγS
51	Opioid OP2	GTPγS
52	Opioid OP3	GTPγS
53	Somatostatin sst4	GTPγS
54	Urotensin-II	AEQ
55	Vasopressin V1a	AEQ
56	Vasopressin V1b	AEQ
57	VPAC1	AEQ

	Inflammation Panel	Assay
1	Serotonin 5-HT2A	AEQ
2	Adenosine A1	cAMP
3	Adenosine A2A	cAMP
4	Adenosine A3	cAMP
5	Complement C3a	GTPγS
6	Complement C5a	GTPγS
7	Bombesin BB1	AEQ
8	Bombesin BB2	AEQ
9	Bradykinin B2	AEQ
10	Calcitonin CGRP	AEQ
11	Cannabinoid CB2	cAMP
12	Chemokine CCR1	GTPγS
13	Chemokine CCR2b	AEQ
14	Chemokine CCR3	AEQ
15	Chemokine CCR4	AEQ
16	Chemokine CCR5	AEQ
17	Chemokine CCR6	AEQ
18	Chemokine CCR7	AEQ
19	Chemokine CCR8	AEQ
20	Chemokine CCR9a	AEQ
21	Chemokine CCR10	AEQ
22	Chemokine CXCR2	AEQ
23	Chemokine CXCR3a	AEQ
24	Chemokine CXCR4	AEQ
25	Chemokine XCR1	AEQ
26	Free Fatty Acid GPR43	AEQ
27	Histamine H1	AEQ
28	Histamine H2	cAMP
29	Hydroxy Carboxylic Acid C	AEQ
30	Leukotrien BLT1	AEQ
31	Leukotrien CysLT1	AEQ
32	Leukotrien CysLT2	AEQ
33	Muscarinic M2	GTPγS
34	Muscarinic M4	GTPγS
35	Neurokinin NK1	AEQ
36	Neuromedin U NMU-1R	AEQ
37	Neurotensin NTS1	AEQ
38	Opioid OP1	GTPγS
39	Opioid OP2	GTPγS
40	Opioid OP3	GTPγS
41	Platelet Activating Factor	cAMP
42	Prokineticin PKR1	AEQ
43	Prostanoid DP	cAMP
44	Prostanoid EP1	AEQ
45	Prostanoid EP3	AEQ
46	Prostanoid EP4	cAMP
47	Prostanoid IP1	cAMP
48	Protease-activated PAR2	AEQ
49	Protease-activated PAR4	AEQ
50	Sphingosine S1P1	AEQ
51	Sphingosine S1P2	AEQ
52	Sphingosine S1P4	AEQ
53	Sphingosine S1P5	AEQ
54	PAC1	AEQ
55	VPAC1	AEQ
56	VPAC2	AEQ

	Metabolic Panel	Assay
1	Serotonin 5-HT2Ce	AEQ
2	Adenosine A1	cAMP
3	Adenosine A2B	cAMP
4	Adrenergic beta3	cAMP
5	Adrenergic alpha1B	AEQ
6	Adrenergic alpha2A	cAMP
7	Angiotensin AT1	AEQ
8	Bombesin BB1	AEQ
9	Bombesin BB2	AEQ
10	Bombesin BB3	AEQ
11	Bradykinin B2	AEQ
12	Calcitonin CGRP	AEQ
13	Calcium CaS	AEQ
14	Cannabinoid CB1	cAMP
15	Cannabinoid CB2	cAMP
16	Chemokine CCR2b	GTPγS
17	Chemokine CCR4	GTPγS
18	Chemokine CXCR3	GTPγS
19	Cholecystokinin CCK1	AEQ
20	Corticotropin CRF2b	cAMP
21	FFA1 /GPR40	AEQ
22	FFA2 / GPR43	AEQ
23	Galanin GAL2	AEQ
24	GIP	cAMP
25	GLP-1	cAMP
26	Glucagon	cAMP
27	GPR7	GTPγS
28	Histamine H1	AEQ
29	Histamine H3	GTPγS
30	MCH1	AEQ
31	MC4	cAMP
32	MC5	cAMP
33	Muscarinic M1	AEQ
34	Muscarinic M2	GTPγS
35	Muscarinic M3	AEQ
36	NMUR1	AEQ
37	Neuropeptide NPY2	AEQ
38	Neurotensin NT1	AEQ
39	Niacin receptor	cAMP
40	Nociceptin OFQ (NOP)	GTPγS
41	Opioid OP2	GTPγS
42	Opioid OP3	GTPγS
43	Orexin OX1	AEQ
44	Orexin OX2	AEQ
45	Oxytocin OT1	AEQ
46	Prokineticin PKR2	AEQ
47	Prostanoid EP2	cAMP
48	PTH1	cAMP
49	Secretin	cAMP
50	Somatostatin sst2	GTPγS
51	Urotensin-II	AEQ
52	Vasopressin V1a	AEQ
53	PAC1	AEQ
54	VPAC2	AEQ

	Sensory Pain Panel	Assay
1	Serotonin 5-HT1A	GTPγS
2	Serotonin 5-HT2Ce	AEQ
3	Adenosine A1	cAMP
4	Adenosine A3	cAMP
5	Adrenergic beta2	cAMP
6	Adrenergic alpha2A	cAMP
7	Bradykinin B2	AEQ
8	Cannabinoid CB1	GTPγS
9	Cannabinoid CB2	GTPγS
10	Chemokine CCR2b	GTPγS
11	Chemokine CX3CR1	GTPγS
12	Cholecystokinin CCK2	AEQ
13	Calcitonin CGRP	AEQ
14	Galanin GAL1	GTPγS
15	GABAB1a/B2	cAMP
16	Glutamate mGlu2	cAMP
17	Histamine H1	AEQ
18	Histamine H3	GTPγS
19	MAS related MrqX2	AEQ
20	5-HT3	AEQ
21	NMDA GRIN-1	RLB
22	Muscarinic M1	AEQ
23	Muscarinic M2	GTPγS
24	Muscarinic M3	AEQ
25	Muscarinic M5	AEQ
26	Nociceptin OFQ (NOP)	GTPγS
27	Neurokinin NK1	AEQ
28	Neurokinin NK2	AEQ
29	Neurokinin NK3	AEQ
30	Neuromedin NMU2	AEQ
31	Neuropeptide GPR7	GTPγS
32	Neurotensin NTS1	AEQ
33	Opioid OP1	GTPγS
34	Opioid OP2	GTPγS
35	Opioid OP3	GTPγS
36	Orexin OX1	AEQ
37	Parathyroid Hormone PTH1	cAMP
38	Platelet-Activating PAF	cAMP
39	Prokineticin PKR1	AEQ
40	Protease Activated PAR2	GTPγS
41	TRPA1	AEQ
42	TRPV1	AEQ

AEQ: Aequorin assay
RLB: Radioligand Binding assay

	CNS Panel	Assay
1	Serotonin 5-HT1A	GTPqS
2	Serotonin 5-HT2A	AEO
3	Serotonin 5-HT2Ce	AEO
4	Adenosine A1	cAMP
5	Adrenergic alpha1B	AEO
6	Adrenergic alpha2A	cAMP
7	Bombesin B2	AEO
8	Cannabinoid CB1	cAMP
9	Cholecystokinin CCK2	AEO
10	Corticotropin CRF1	cAMP
11	Corticotropin CRF2b	cAMP
12	Dopamine D1	cAMP
13	Dopamine D2L	cAMP
14	Galanin GAL2	AEO
15	Histamine H1	AEO
16	Histamine H3	GTPqS
17	MCH1	AEO
18	mGluR2	cAMP
19	Muscarinic M1	AEO
20	Muscarinic M2	GTPqS
21	Muscarinic M3	AEO
22	Muscarinic M4	GTPqS
23	Muscarinic M5	AEO
24	Nociceptin OX1 (NOP)	GTPqS
25	Neurokinin NK1	AEO
26	Neurokinin NK2	AEO
27	Neurokinin NK3	AEO
28	Neuropeptide NPY2	AEO
29	Neurotensin NT1	AEO
30	Opioid OP1	GTPqS
31	Opioid OP2	GTPqS
32	Opioid OP3	GTPqS
33	Orexin OX1	AEO
34	Orexin OX2	AEO
35	Somatostatin sst2	GTPqS
36	Vasopressin V1b	AEO
37	PAC1	AEO

	mGluR Panel	Assay
1	mGluR1	AEO
2	mGluR2	cAMP
3	mGluR3	AEO
4	mGluR4	GTPqS
5	mGluR5	AEO
6	mGluR6	GTPqS
7	mGluR7	cAMP
8	mGluR8	GTPqS

	Chemokine Panel	Assay
1	Chemokine CCR1	GTPqS
2	Chemokine CCR2b	AEO
3	Chemokine CCR3	AEO
4	Chemokine CCR4	AEO
5	Chemokine CCR5	AEO
6	Chemokine CCR6	AEO
7	Chemokine CCR7	AEO
8	Chemokine CCR8	AEO
9	Chemokine CCR9a	AEO
10	Chemokine CCR10	AEO
11	Chemokine ChemR23	AEO
12	Chemokine CXCR1	AEO
13	Chemokine CXCR2	AEO
14	Chemokine CXCR3a	AEO
15	Chemokine CXCR3b	AEO
16	Chemokine CXCR4	AEO
17	Chemokine CXCR5	AEO
18	Chemokine CXCR6	AEO
19	Chemokine CX3CR1	AEO
20	Chemokine XCR1	AEO

	Serotonin Panel	Assay
1	Serotonin 5-HT1A	GTPqS
2	Serotonin 5-HT1B	GTPqS
3	Serotonin 5-HT1D	GTPqS
4	Serotonin 5-HT1E	GTPqS
5	Serotonin 5-HT1F	GTPqS
6	Serotonin 5-HT2A	AEO
7	Serotonin 5-HT2B	AEO
8	Serotonin 5-HT2Ce	AEO
9	Serotonin 5-HT2Cne	AEO
10	Serotonin 5-HT3	AEO
11	Serotonin 5-HT4e	cAMP
12	Serotonin 5-HT5	AEO
13	Serotonin 5-HT6	cAMP
14	Serotonin 5-HT7	cAMP

	Orphan Panel	Assay
1	GPR3	cAMP
2	GPR4	AEO
3	GPR6	cAMP
4	GPR12	cAMP
5	GPR17	AEO
6	GPR18	AEO
7	GPR19 (GPR-NGA)	AEO
8	GPR20	AEO
9	GPR21	cAMP
10	GPR22	AEO
11	GPR23 (LPAR4)	AEO
12	GPR25	AEO
13	GPR26	cAMP
14	GPR27 (SREB1)	AEO
15	GPR30 (GPER)	AEO
16	GPR31	AEO
17	GPR32	AEO
18	GPR34	cAMP
19	GPR37	AEO
20	GPR37L1	AEO
21	GPR39	AEO
22	GPR45	AEO
23	GPR50	AEO
24	GPR52	cAMP
25	GPR55	AEO
26	GPR61	cAMP
27	GPR62	cAMP
28	GPR63	AEO
29	GPR65	AEO
30	GPR68 (OGR1)	AEO
31	GPR75	AEO
32	GPR78	cAMP
33	GPR82	AEO
34	GPR83 (GPR72)	AEO
35	GPR85 (SREB2)	AEO
36	GPR87 (HG03)	AEO
37	GPR88	AEO
38	GPR92	IPOne
39	GPR99	AEO
40	GPR101	cAMP

	Orphan Panel	Assay
41	GPR116	AEO
42	GPR132 (G2A)	AEO
43	GPR133	AEO
44	GPR139	cAMP
45	GPR141	AEO
46	GPR146	AEO
47	GPR148	AEO
48	GPR149	AEO
49	GPR150	AEO
50	GPR151	AEO
51	GPR152	AEO
52	GPR153	AEO
53	GPR161 (RE2)	AEO
54	GPR162 (A-2)	AEO
55	GPR173 (SREB3)	AEO
56	GPRC5A (RAIG1)	AEO
57	GPRC5B (RAIG2)	AEO
58	GPRC5C (RAIG3)	AEO
59	GPRC5D (RAIG4)	AEO
60	GPR174 (DA6)	AEO
61	GPR171 (H963)	AEO
62	GPR176 (HB954)	AEO
63	GPR182 (HSGPCP)	AEO
64	LGR4	AEO
65	LGR5	AEO
66	LGR6	AEO
67	P2Y5	AEO
68	P2Y8	AEO
69	P2Y10	AEO
70	MAS	AEO
71	MRG	AEO
72	MRGE	AEO
73	MRGF (RTA)	AEO
74	TAAR1 (TA1)	cAMP
75	TAAR2 (GPR58)	cAMP
76	TAAR5 (PNR)	cAMP
77	TAAR6 (TA4)	cAMP
78	TAAR8 (TA5)	cAMP
79	TAAR9 (TA3)	cAMP