Figure 1

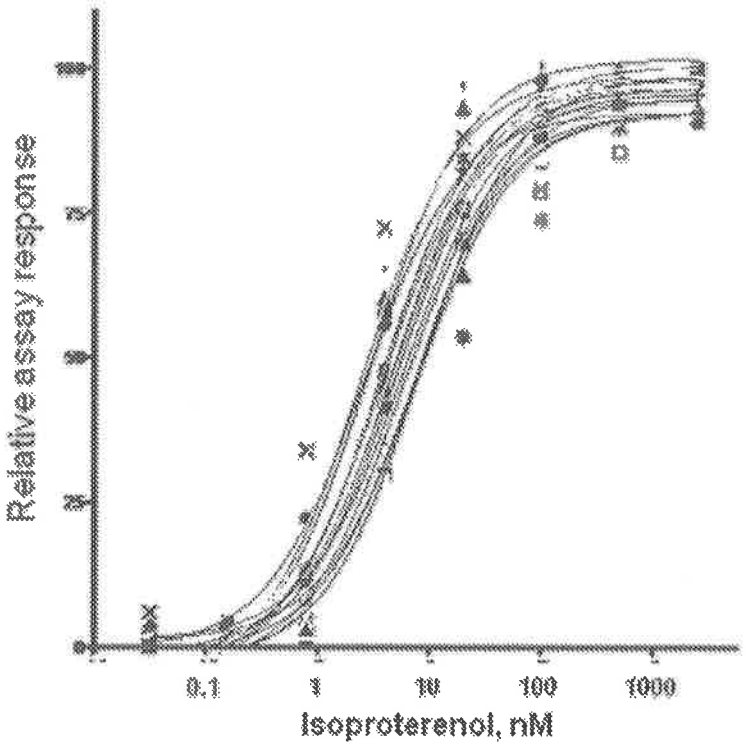


Figure 2

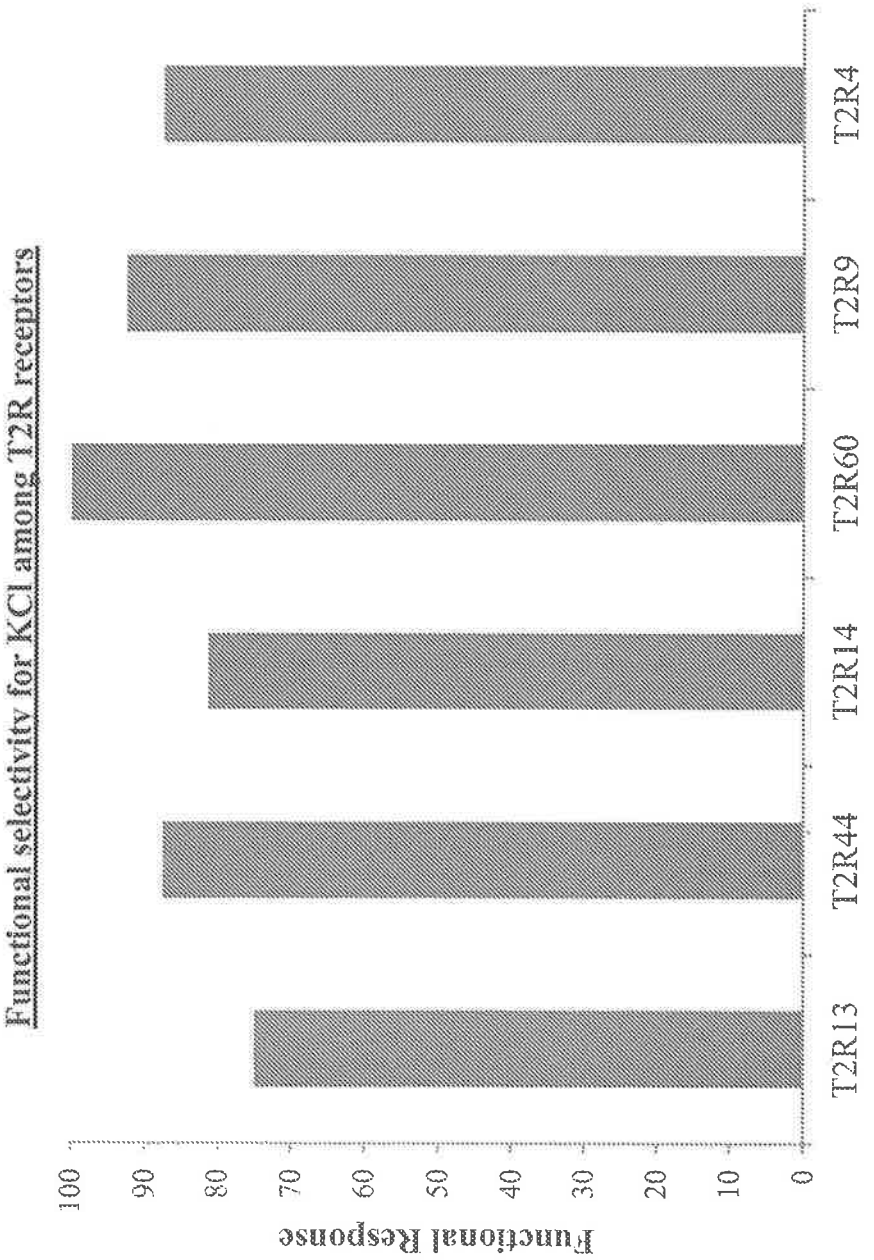

Functional selectivity for KCl among T2R receptors
Functional Response
100
90
80
70
60
50
40
30
20
10
0
T2R13
T2R44
T2R14
T2R60
T2R9
T2R4

Figure 3A

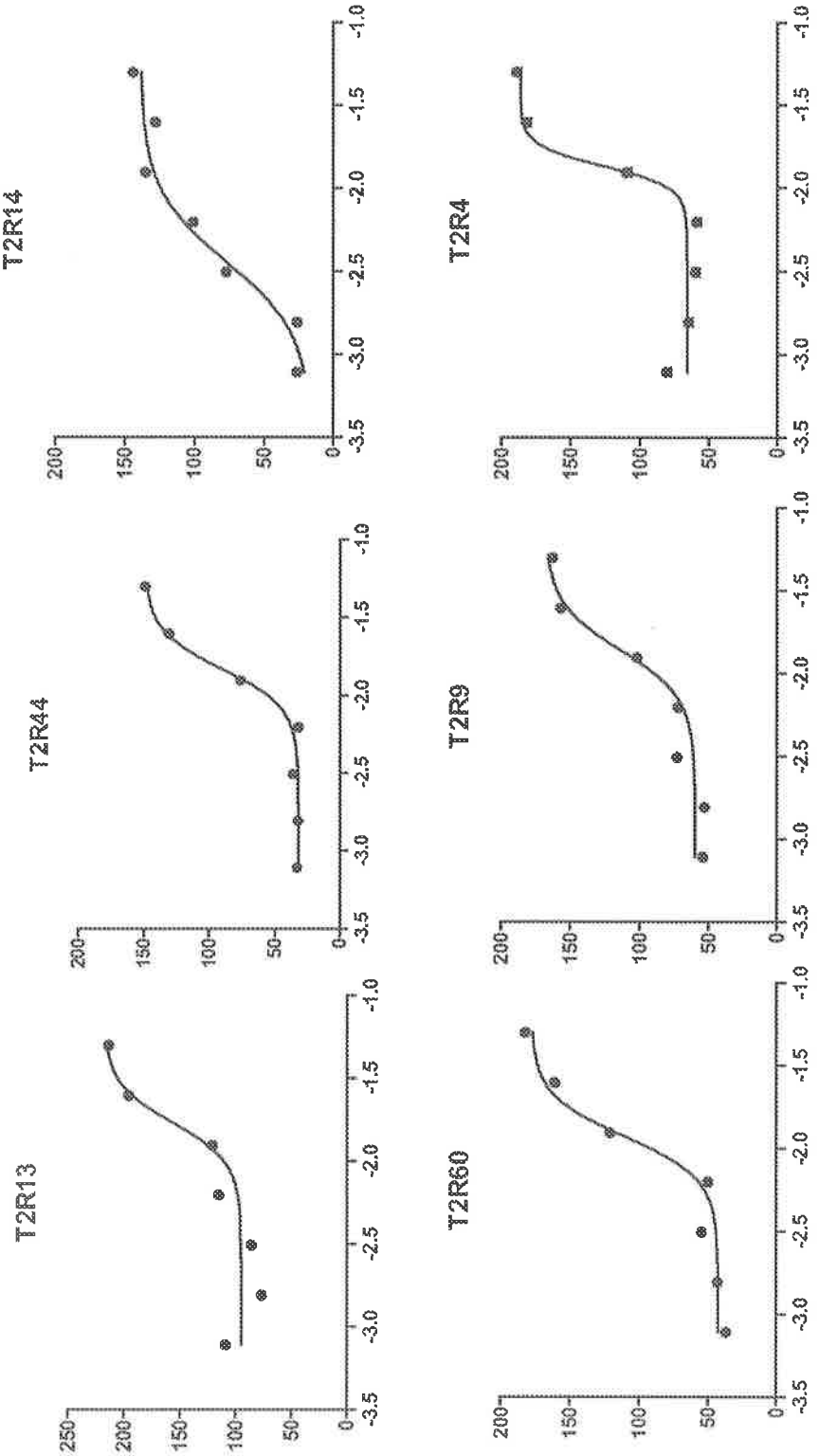


Figure 3B

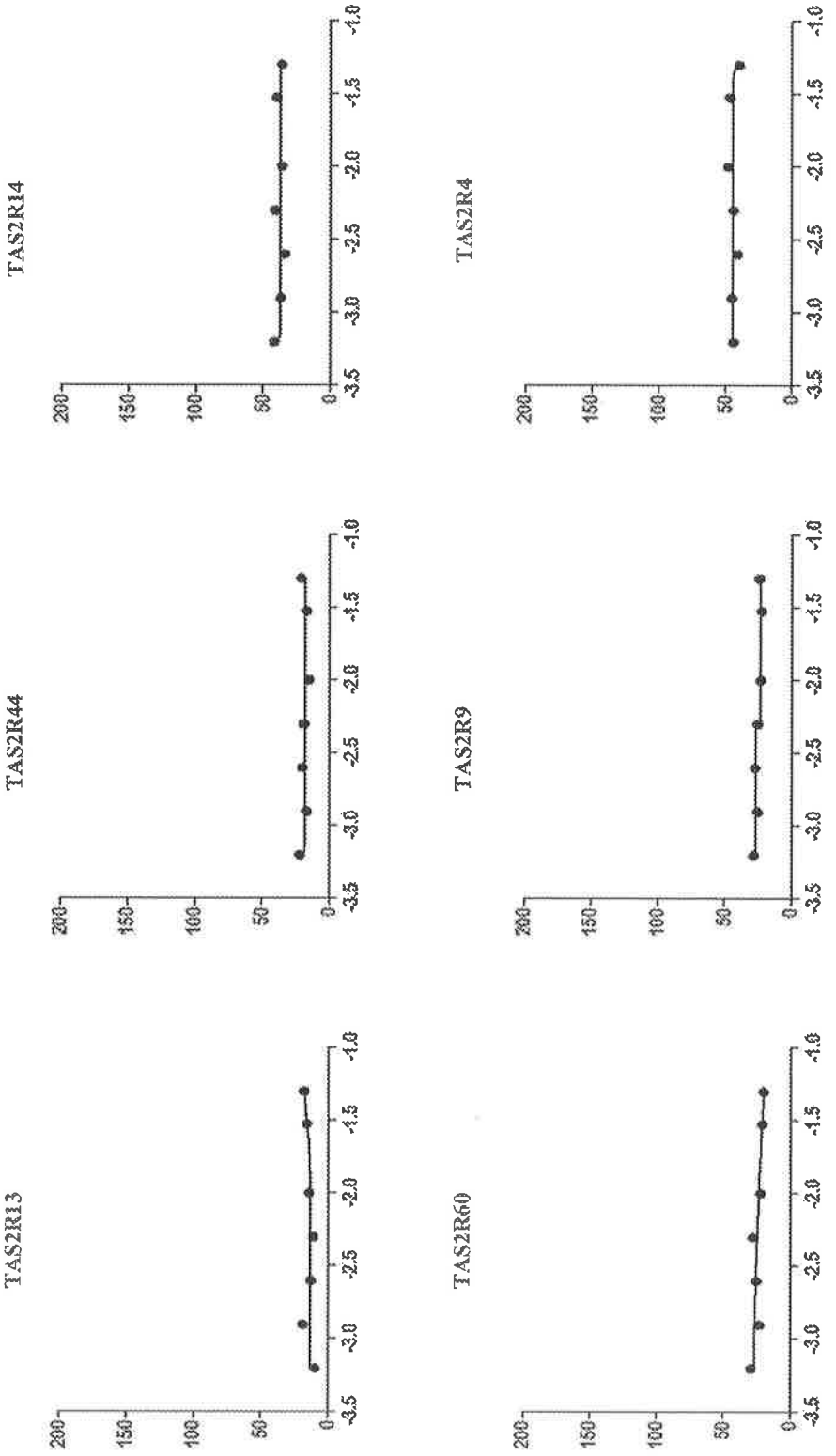

TAS2R14
TAS2R44
TAS2R4
TAS2R13
TAS2R9
TAS2R60
200
150
100
50
0
-3.5
-3.0
-2.5
-2.0
-1.5
-1.0

Figure 4
Functional selectivity for K-lactate among T2R receptors

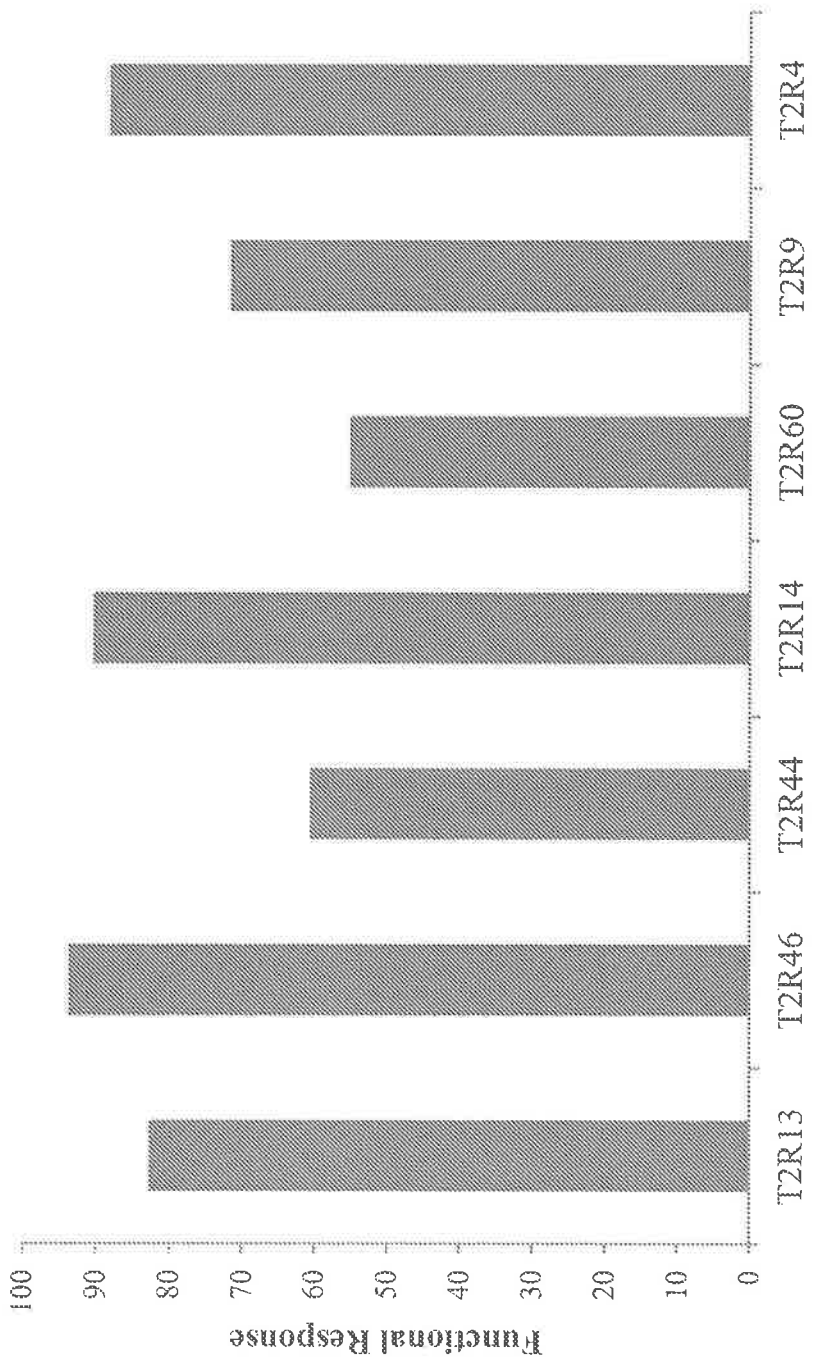


Figure 5
Functional selectivity of Acesulfame-K among T2R receptors

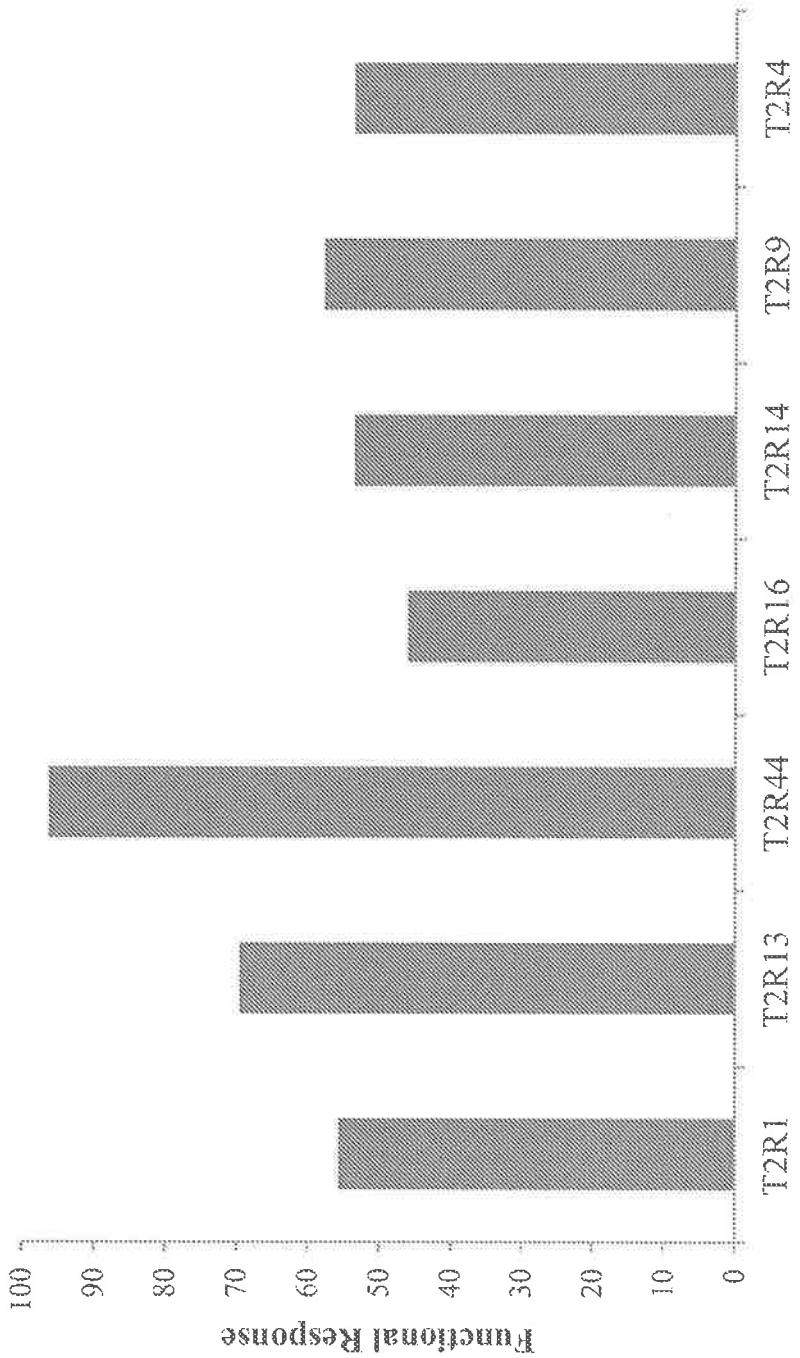


Figure 6

	T2R1	T2R8	T2R13	T2R7	T2R3	T2R43	T2R38	T2R45	T2R46	T2R30	T2R5	T2R44	T2R55	T2R16	T2R14	T2R10	T2R49	T2R41	T2R40	T2R60	T2R48	T2R47	T2R39	T2R9	T2R4
KCl			✓									✓			✓					✓				✓	✓
K-lactate			✓						✓			✓			✓					✓				✓	✓
Acesulfame-K	✓		✓									✓		✓	✓									✓	✓