Figure 1

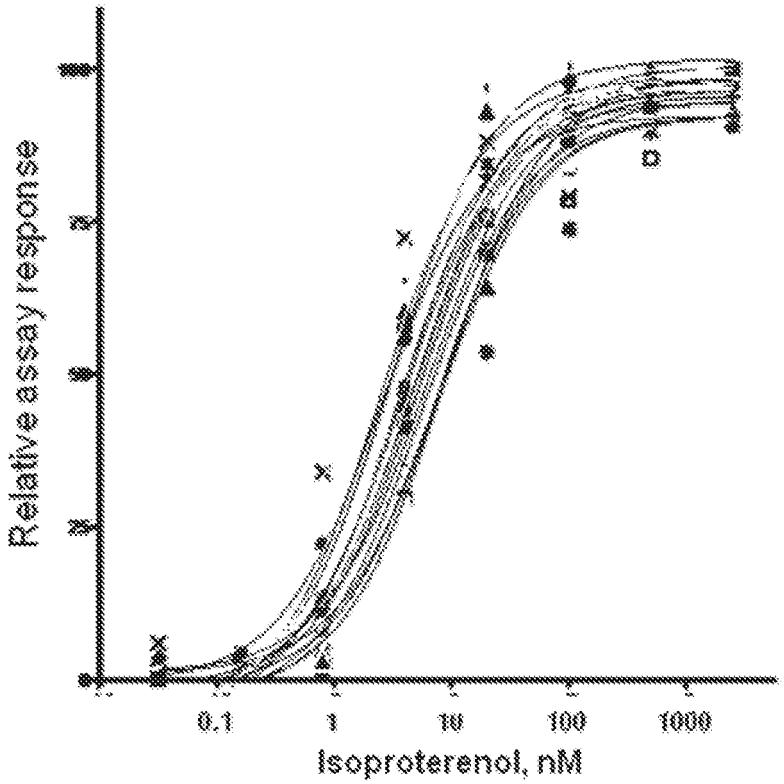


Figure 2

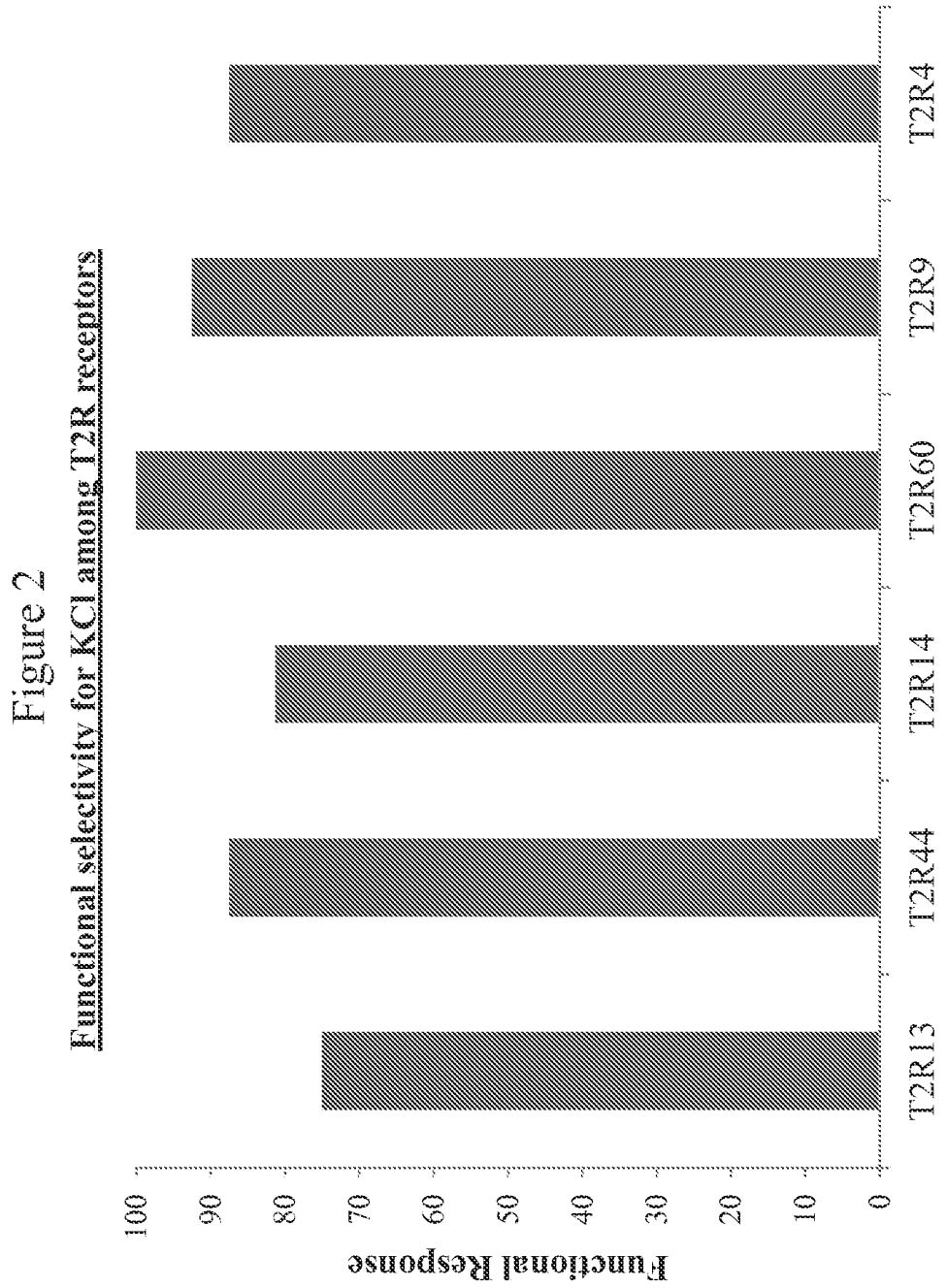

Functional selectivity for KCl among T2R receptors
Functional Response
100
90
80
70
60
50
40
30
20
10
0
T2R13
T2R44
T2R14
T2R60
T2R9
T2R4

Figure 3A

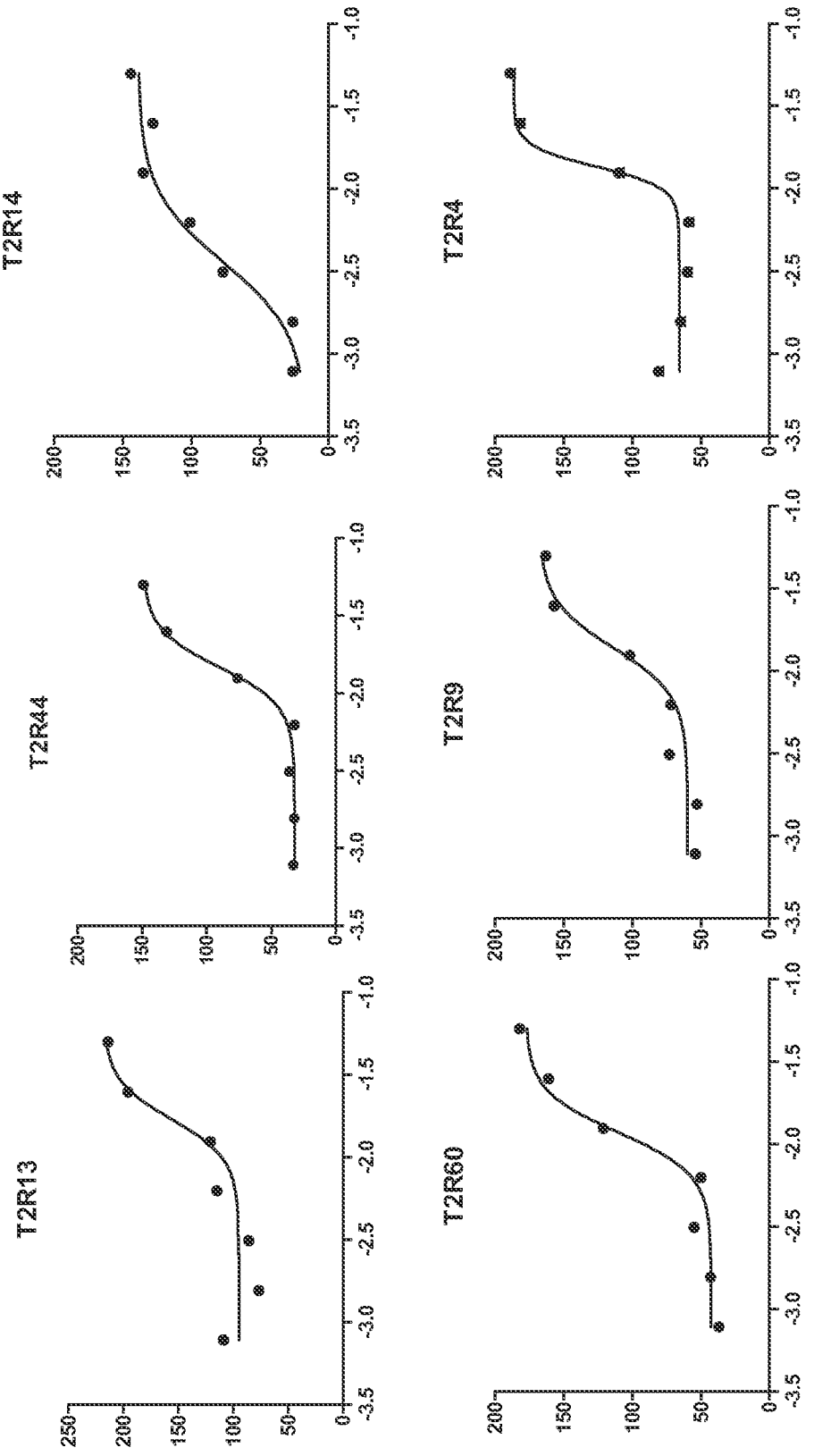


Figure 3B

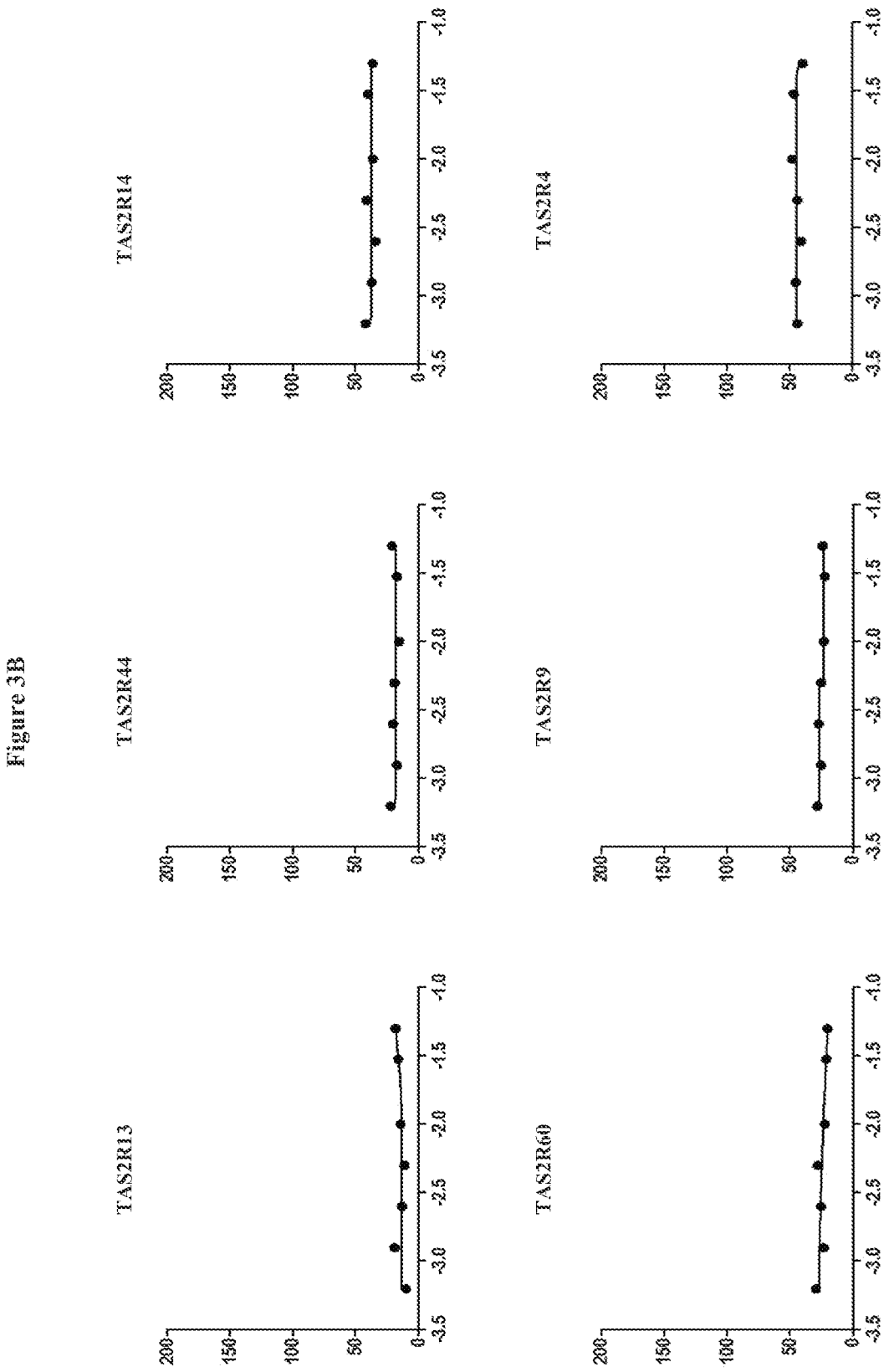

TAS2R14
TAS2R4
TAS2R44
TAS2R9
TAS2R13
TAS2R60
200
150
100
50
0
-3.5
-3.0
-2.5
-2.0
-1.5
-1.0

Figure 4

Functional selectivity for K-lactate among T2R receptors

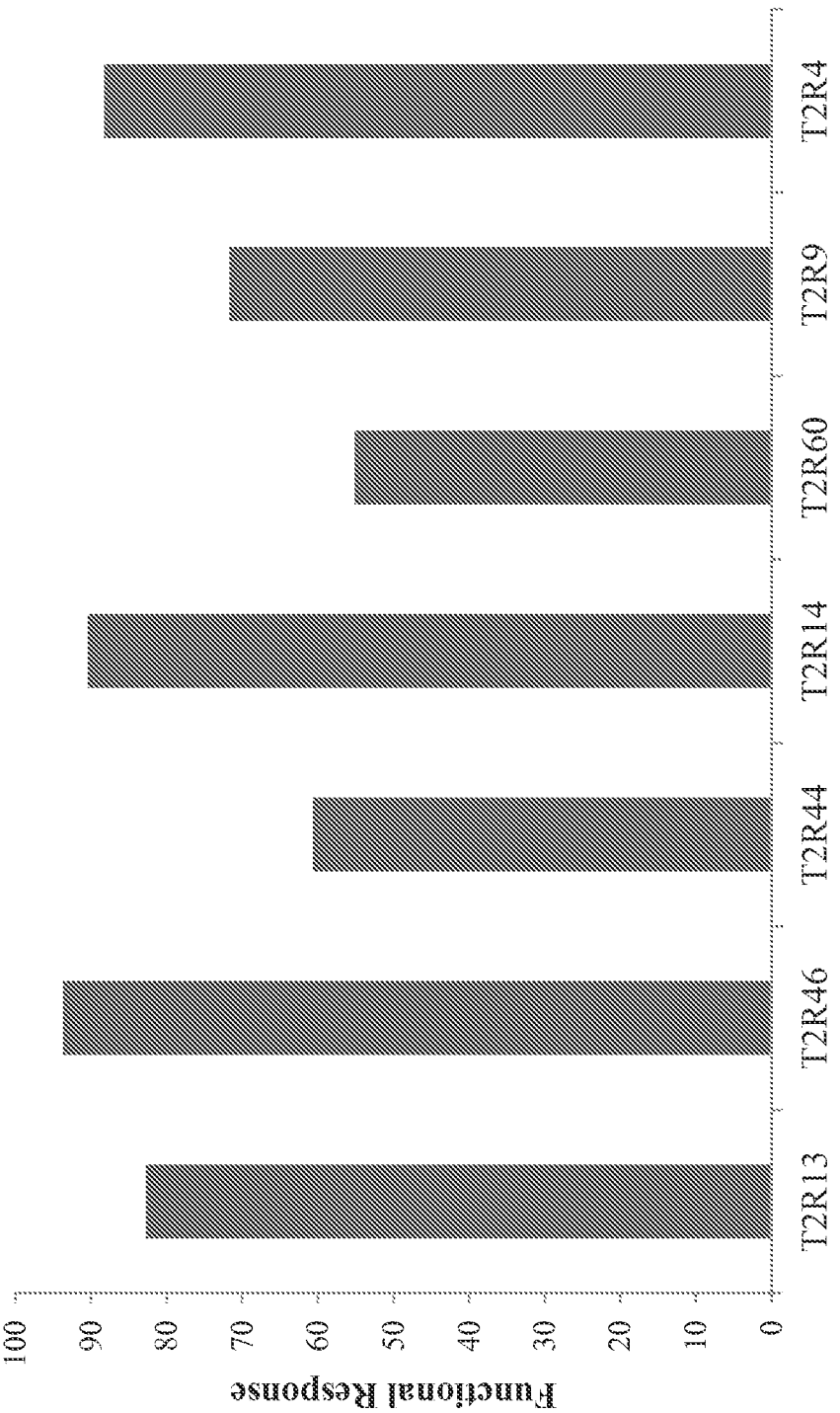


Figure 5

Functional selectivity of Acesulfame-K among T2R receptors

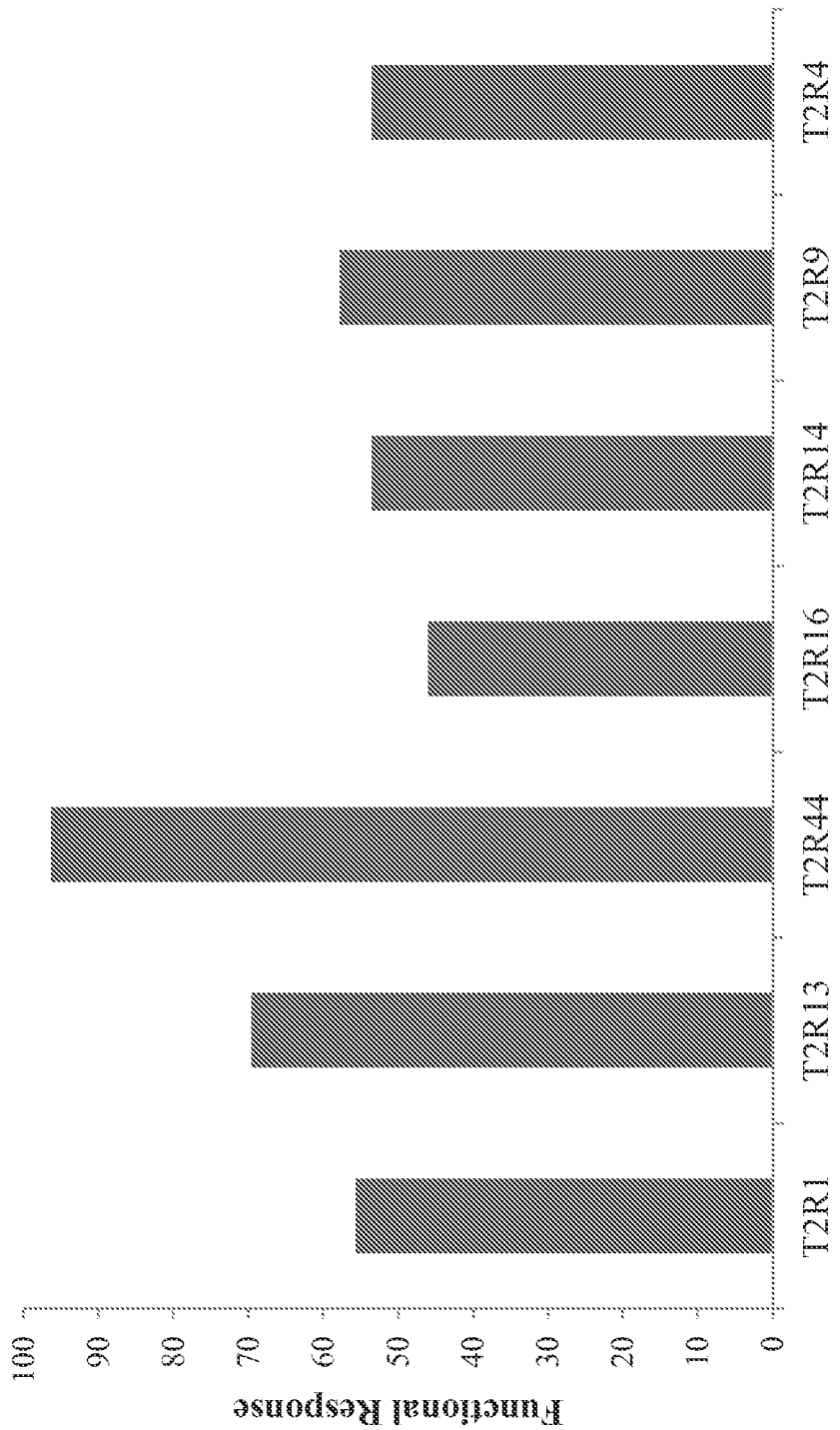
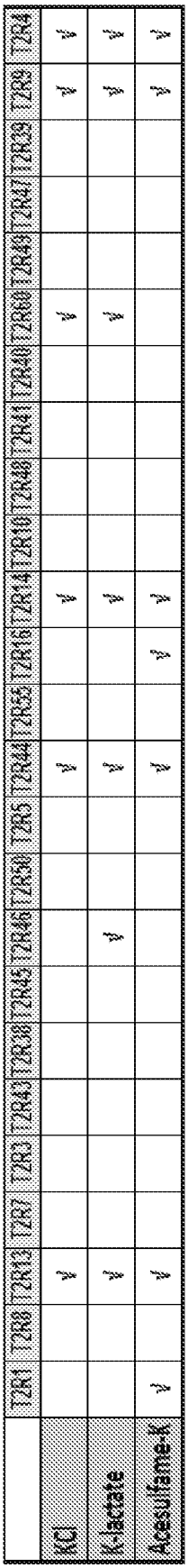


Figure 6


T2R1 T2R8 T2R13 T2R7 T2R3 T2R43 T2R38 T2R45 T2R46 T2R50 T2R5 T2R44 T2R55 T2R16 T2R14 T2R10 T2R48 T2R41 T2R40 T2R60 T2R49 T2R47 T2R39 T2R9 T2R4
KCl
K-lactate
Acesulfame-K