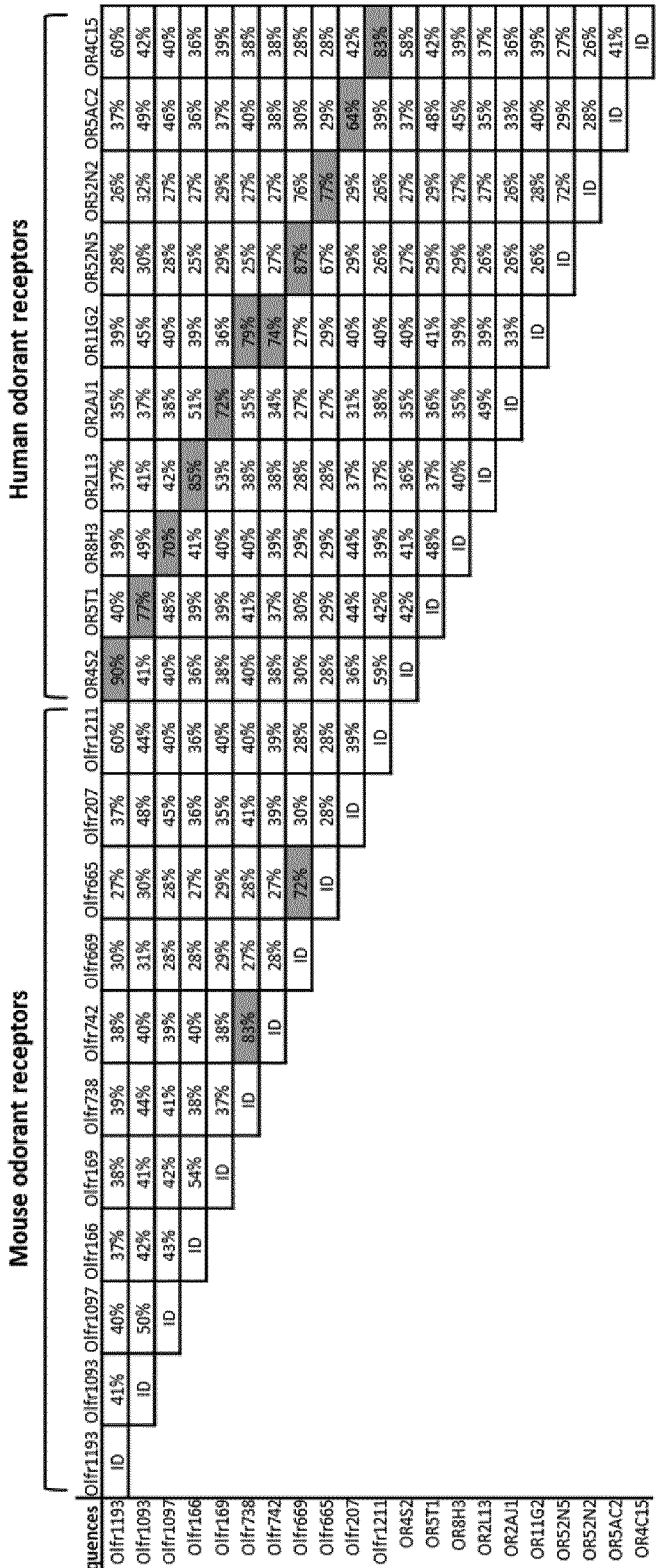
Mouse odorant receptors
Human odorant receptors
Sequences
Olfr1193
Olfr1093
Olfr1097
Olfr166
Olfr169
Olfr738
Olfr742
Olfr669
Olfr665
Olfr207
Olfr1211
OR4S2
OR5T1
OR8H3
OR2L13
OR2AJ1
OR11G2
OR52N5
OR52N2
OR5AC2
OR4C15

FIGURE 1

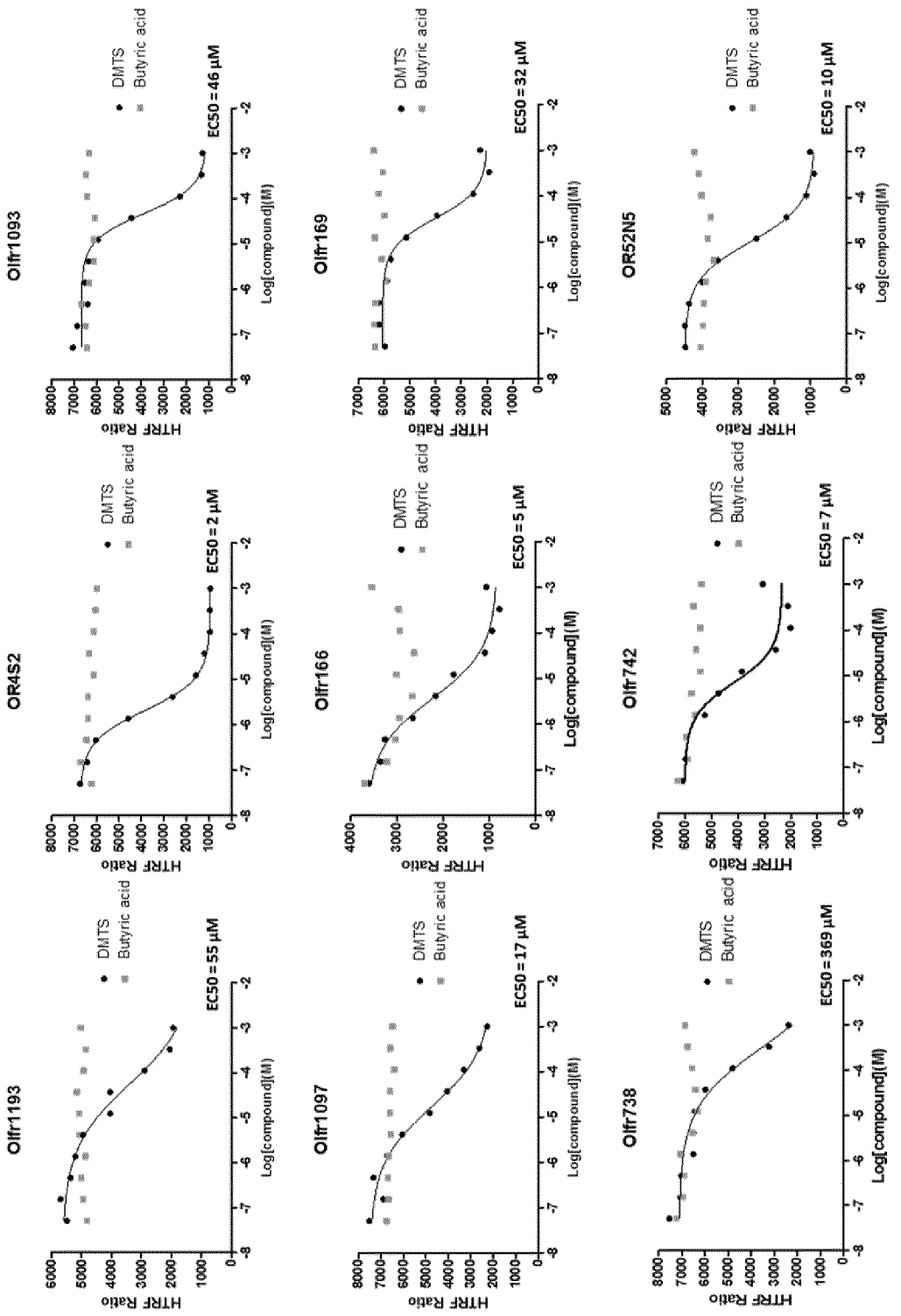
Olfr1093
EC50 = 46 µM
OR4S2
EC50 = 2 µM
Olfr1193
EC50 = 55 µM
Olfr169
EC50 = 32 µM
Olfr166
EC50 = 5 µM
Olfr1097
EC50 = 17 µM
OR52N5
EC50 = 10 µM
Olfr742
EC50 = 7 µM
Olfr738
EC50 = 369 µM
DMTS
Butyric acid
HTRF Ratio
Log[compound](M)

FIGURE 2

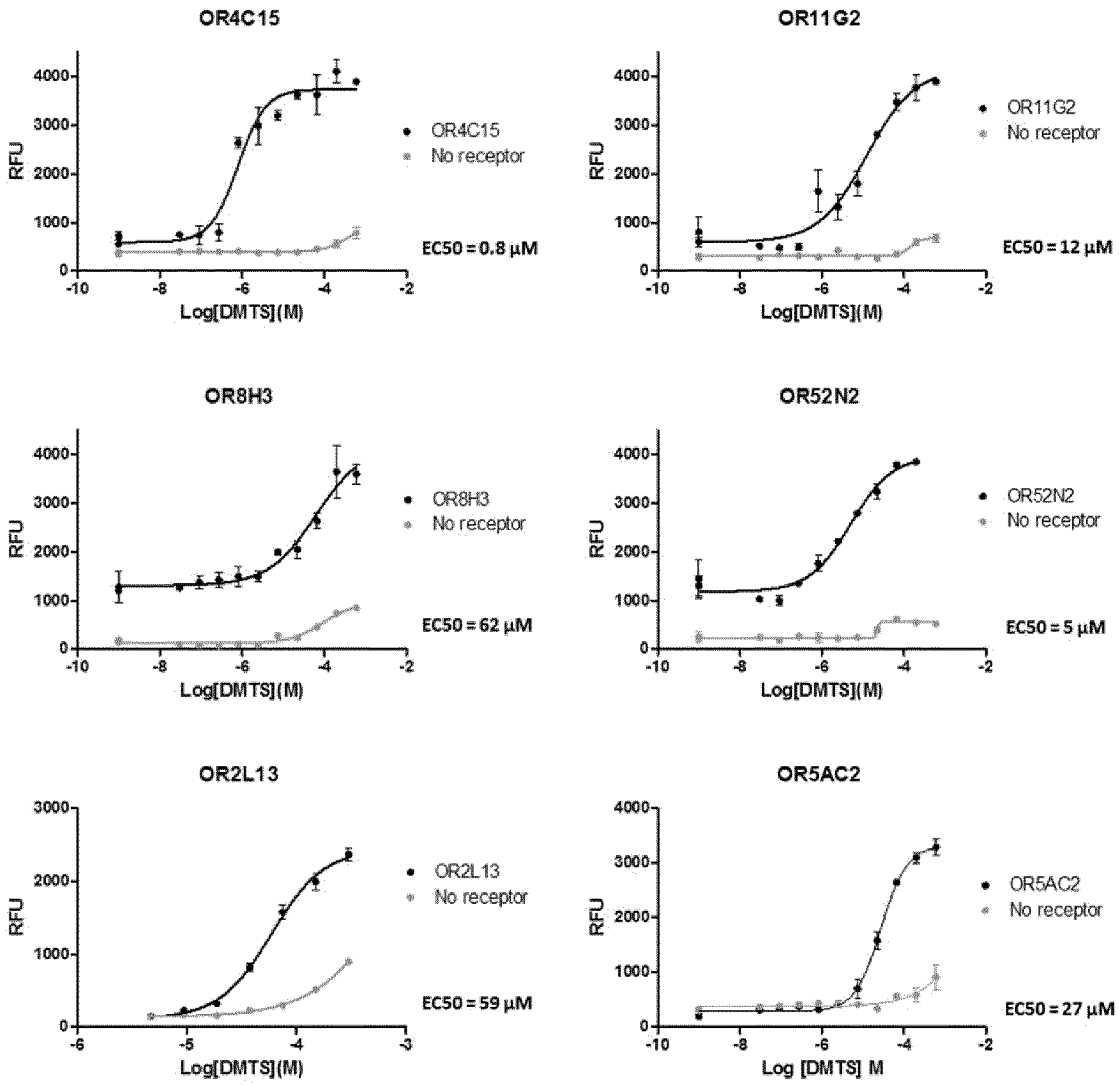
OR4C15
RFU
Log[DMTS](M)
OR4C15
No receptor
EC50 = 0.8 µM
OR11G2
RFU
Log[DMTS](M)
OR11G2
No receptor
EC50 = 12 µM
OR8H3
RFU
Log[DMTS](M)
OR8H3
No receptor
EC50 = 62 µM
OR52N2
RFU
Log[DMTS](M)
OR52N2
No receptor
EC50 = 5 µM
OR2L13
RFU
Log[DMTS](M)
OR2L13
No receptor
EC50 = 59 µM
OR5AC2
RFU
Log [DMTS] M
OR5AC2
No receptor
EC50 = 27 µM

FIGURE 3

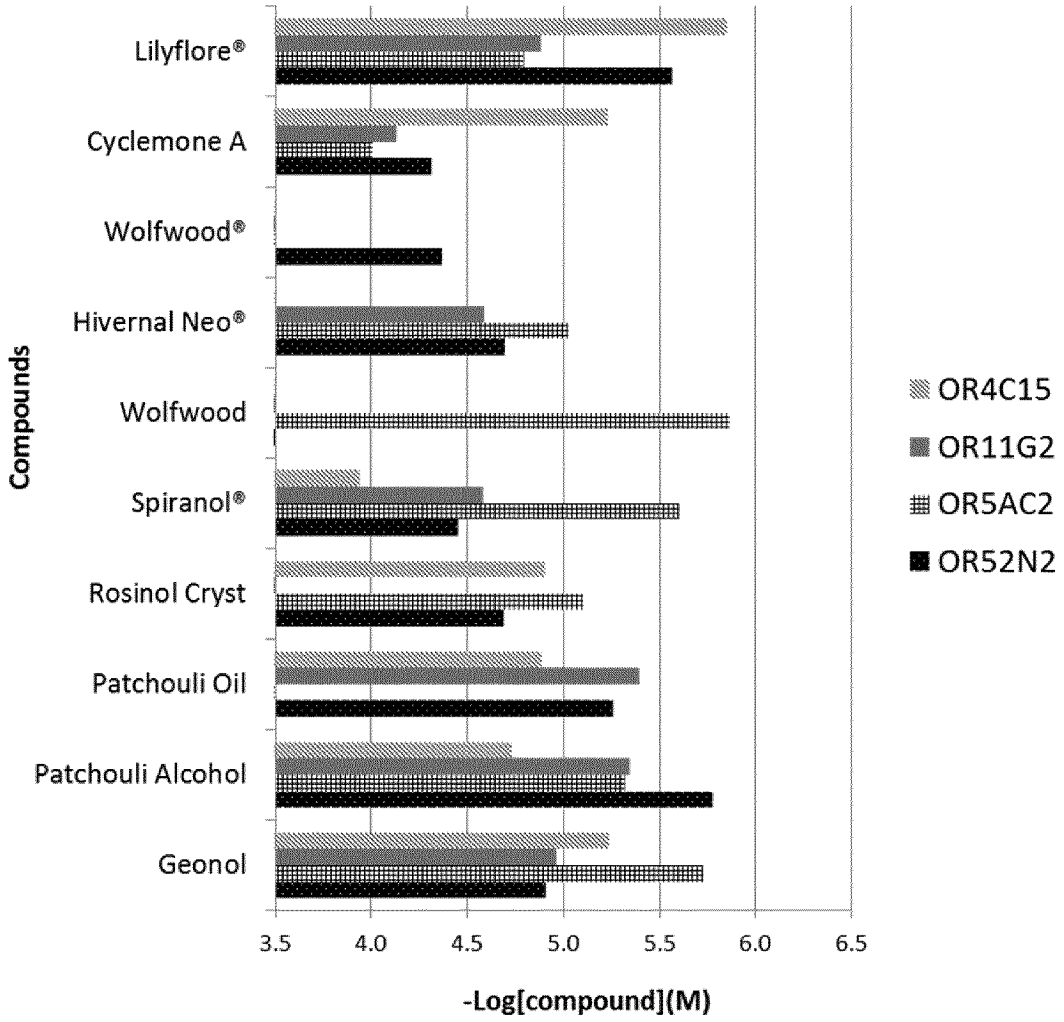
Lilyflore®
Cyclemone A
Wolfwood®
Hivernal Neo®
Wolfwood
Spiranol®
Rosinol Cryst
Patchouli Oil
Patchouli Alcohol
Geonol
Compounds
3.5
4.0
4.5
5.0
5.5
6.0
6.5
-Log[compound](M)
OR4C15
OR11G2
OR5AC2
OR52N2

FIGURE 4

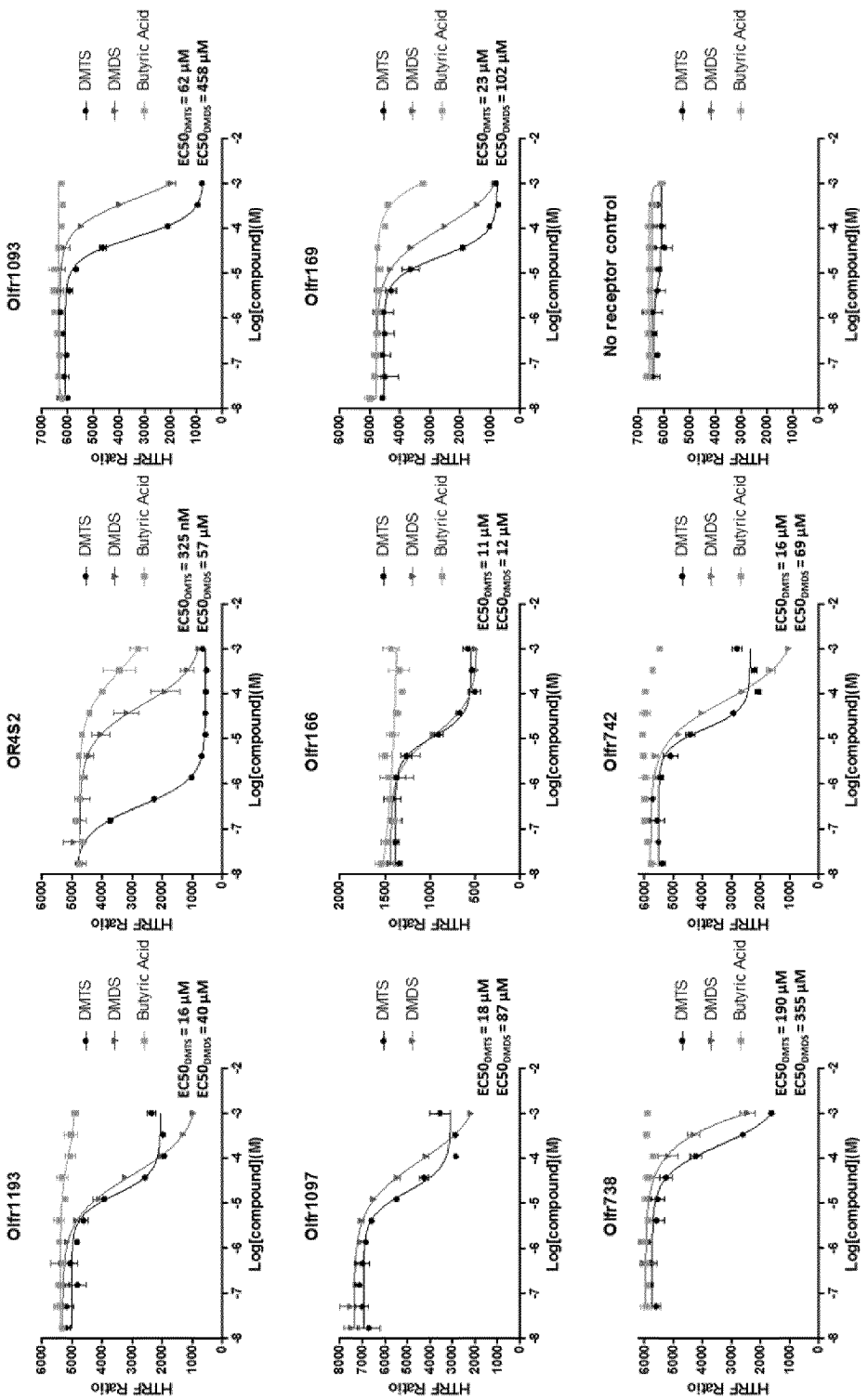
Olfr1093
DMTS
DMDS
Butyric Acid
EC50DMTS = 62 µM
EC50DMDS = 458 µM
HTRF Ratio
Log[compound](M)
OR4S2
EC50DMTS = 325 nM
EC50DMDS = 57 µM
Olfr169
EC50DMTS = 23 µM
EC50DMDS = 102 µM
No receptor control
Olfr1193
EC50DMTS = 16 µM
EC50DMDS = 40 µM
Olfr166
EC50DMTS = 11 µM
EC50DMDS = 12 µM
Olfr742
EC50DMTS = 16 µM
EC50DMDS = 69 µM
Olfr1097
EC50DMTS = 18 µM
EC50DMDS = 87 µM
Olfr738
EC50DMTS = 190 µM
EC50DMDS = 355 µM

FIGURE 5