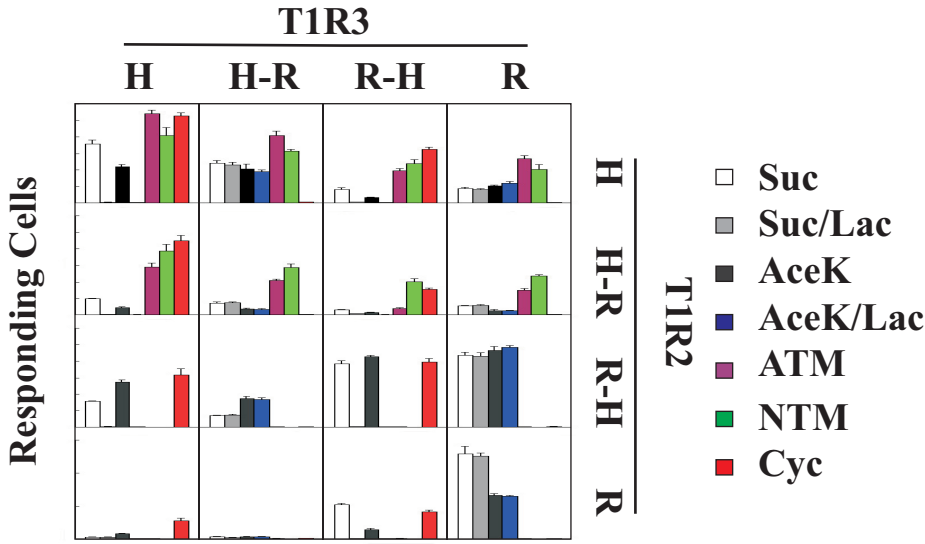
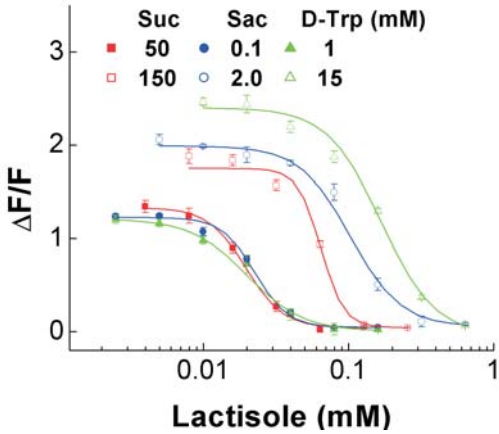
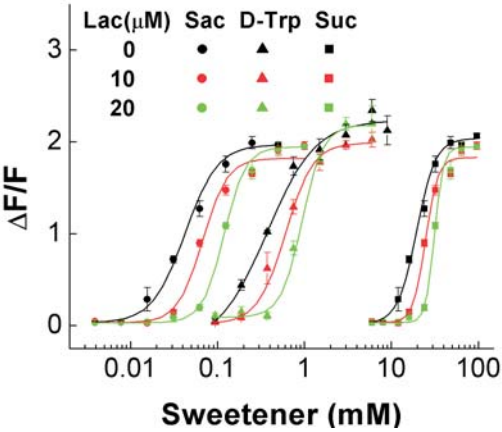
A


T1R3
H
H-R
R-H
R
Responding Cells
T1R2
H
H-R
R-H
R
Suc
Suc/Lac
AceK
AceK/Lac
ATM
NTM
Cyc

B


Suc
Sac
D-Trp (mM)
50
0.1
1
150
2.0
15
ΔF/F
0
1
2
3
0.01
0.1
1
Lactisole (mM)

C


Lac(μM)
Sac
D-Trp
Suc
0
10
20
ΔF/F
0
1
2
3
0.01
0.1
1
10
100
Sweetener (mM)