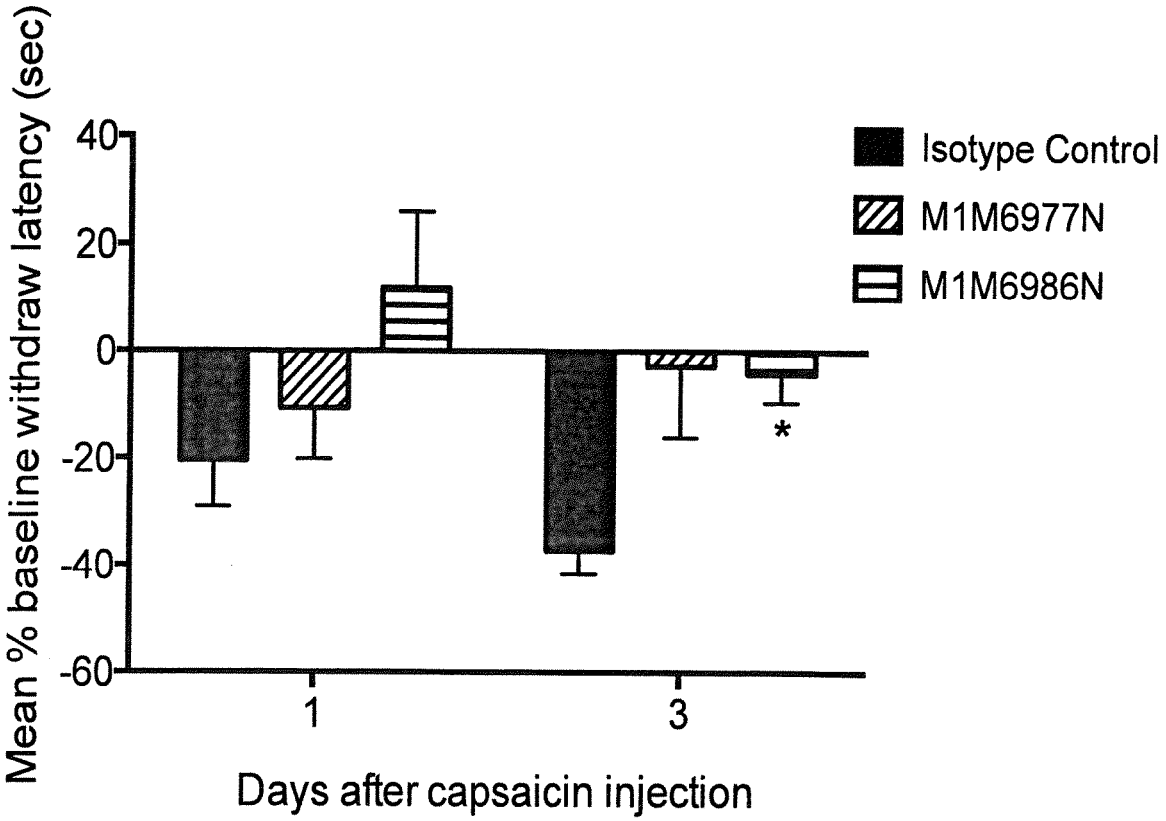
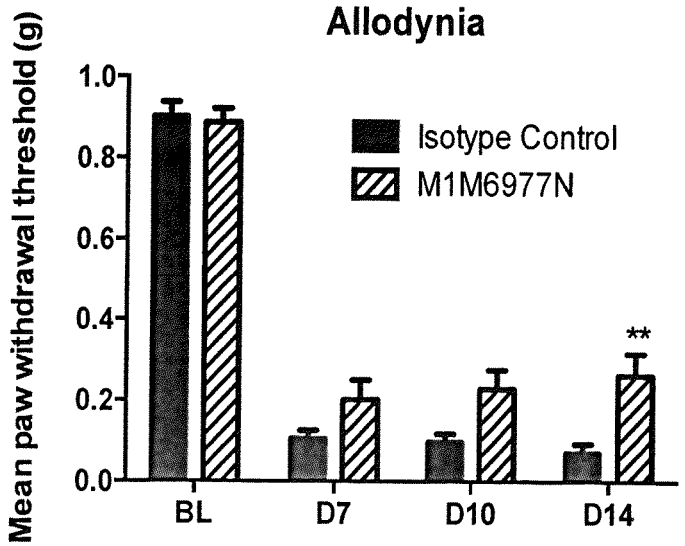

Mean % baseline withdraw latency (sec)
40
20
0
-20
-40
-60
1
3
*
Days after capsaicin injection
Isotype Control
M1M6977N
M1M6986N

Figure 1

A.


Allodynia
Mean paw withdrawal threshold (g)
1.0
0.8
0.6
0.4
0.2
0.0
Isotype Control
M1M6977N
**
BL
D7
D10
D14

B.

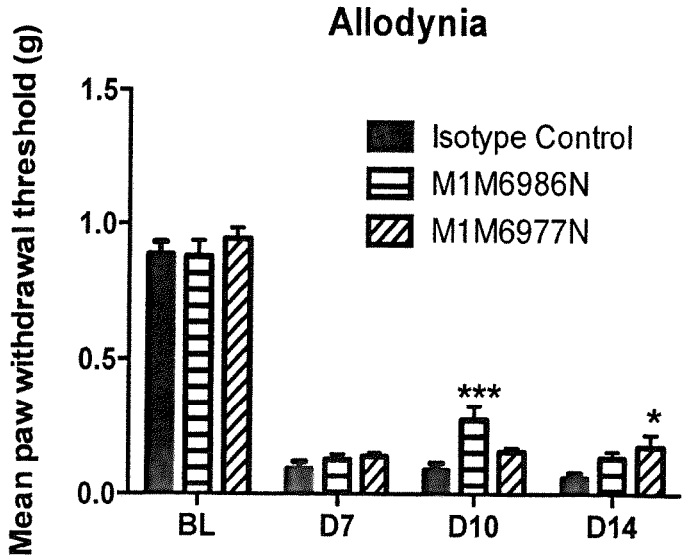
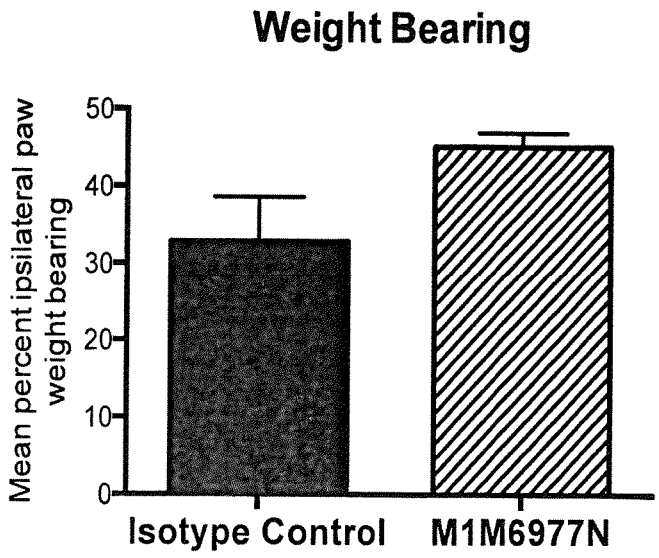

Allodynia
Mean paw withdrawal threshold (g)
1.5
1.0
0.5
0.0
Isotype Control
M1M6986N
M1M6977N
***
*
BL
D7
D10
D14

Figure 2

A.


Weight Bearing
Mean percent ipsilateral paw weight bearing
50
40
30
20
10
0
Isotype Control
M1M6977N

B.

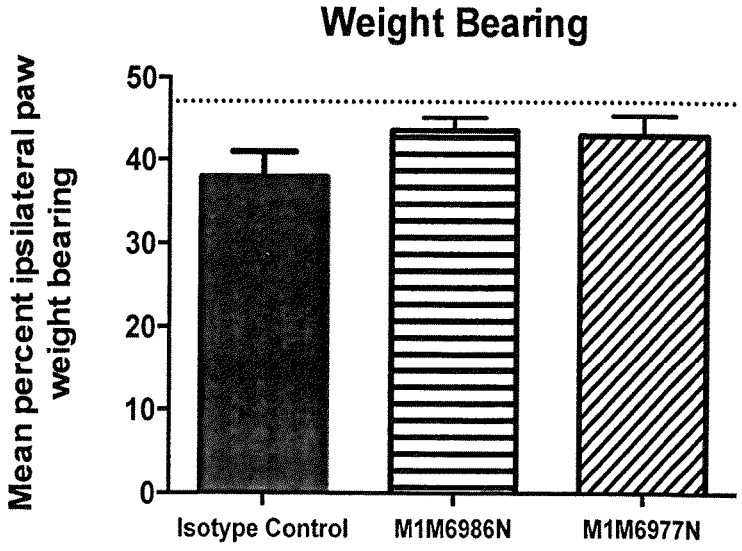
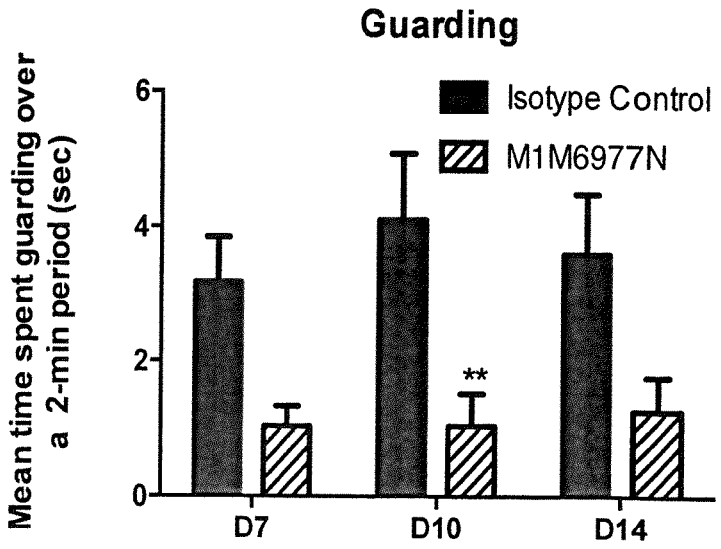

Weight Bearing
Mean percent ipsilateral paw weight bearing
50
40
30
20
10
0
Isotype Control
M1M6986N
M1M6977N

Figure 3

A.


Guarding
Mean time spent guarding over a 2-min period (sec)
Isotype Control
M1M6977N
6
4
2
0
**
D7
D10
D14

B.

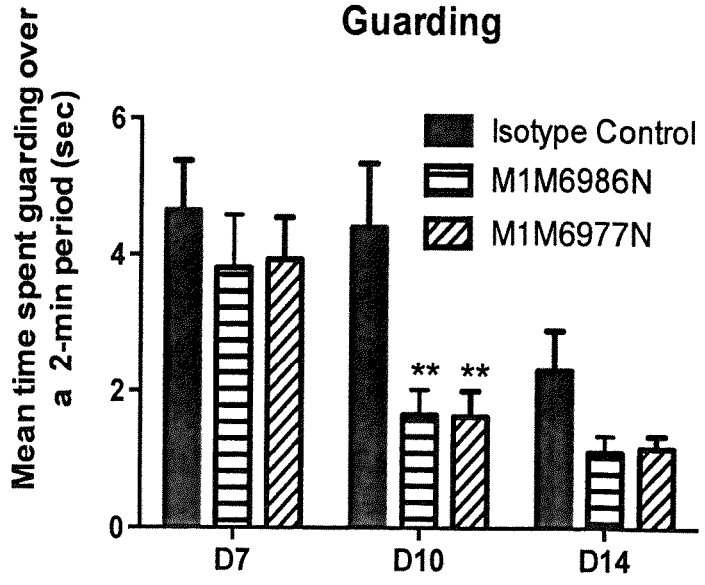

Guarding
Mean time spent guarding over a 2-min period (sec)
Isotype Control
M1M6986N
M1M6977N
6
4
2
0
** **
D7
D10
D14

Figure 4

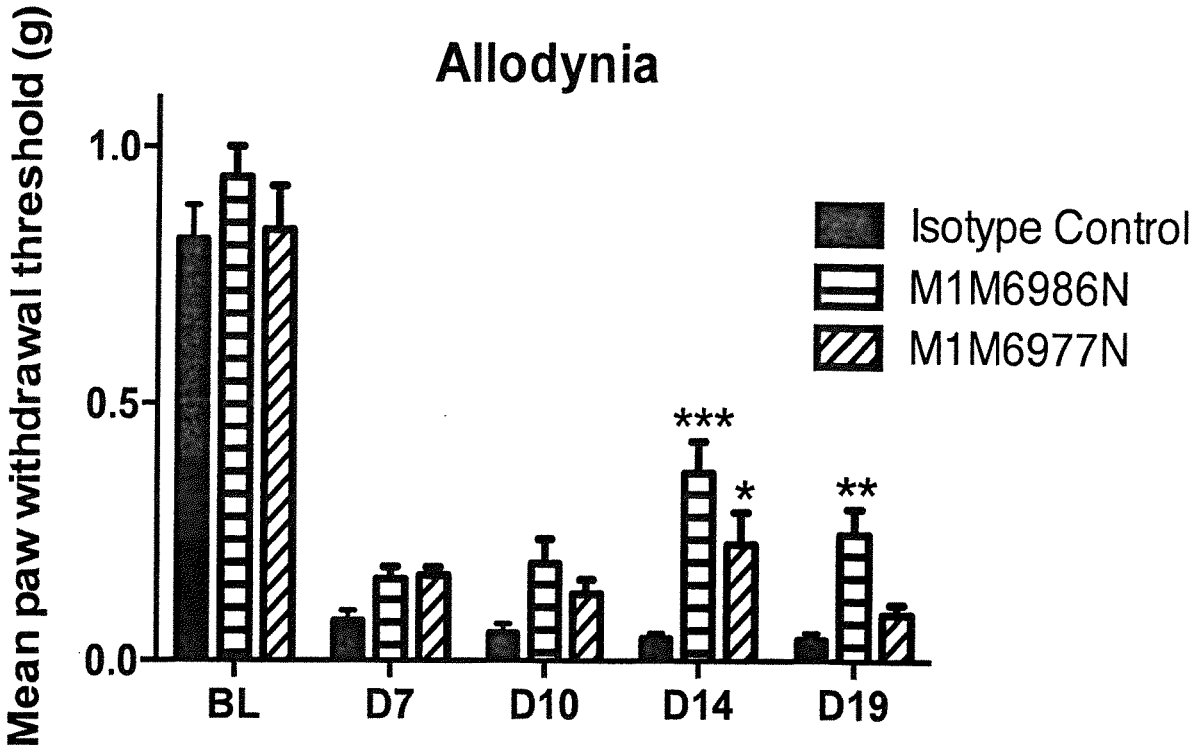
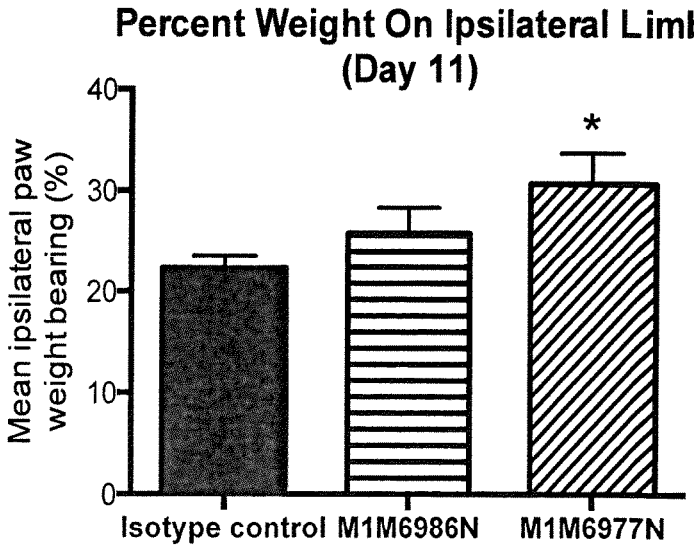

Allodynia
Mean paw withdrawal threshold (g)
1.0
0.5
0.0
BL
D7
D10
D14
D19
***
*
**
Isotype Control
M1M6986N
M1M6977N

Figure 5

A.


Percent Weight On Ipsilateral Limb
(Day 11)
Mean ipsilateral paw
weight bearing (%)
40
30
20
10
0
*
Isotype control
M1M6986N
M1M6977N

B.

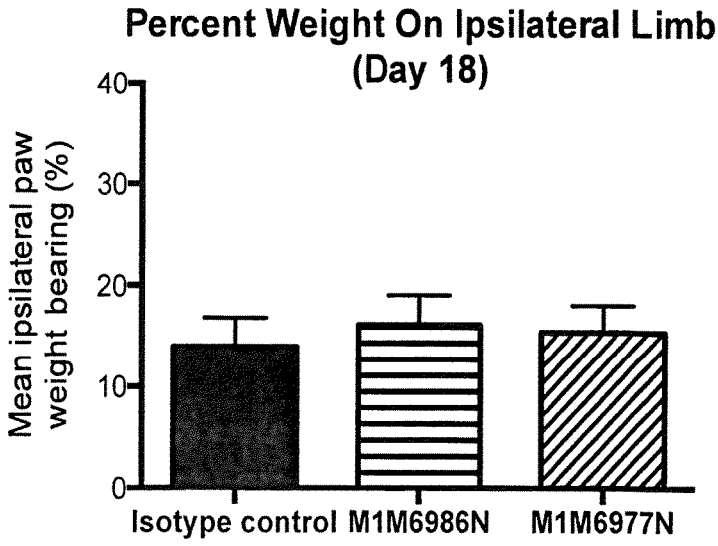

Percent Weight On Ipsilateral Limb
(Day 18)
Mean ipsilateral paw
weight bearing (%)
40
30
20
10
0
Isotype control
M1M6986N
M1M6977N

Figure 6

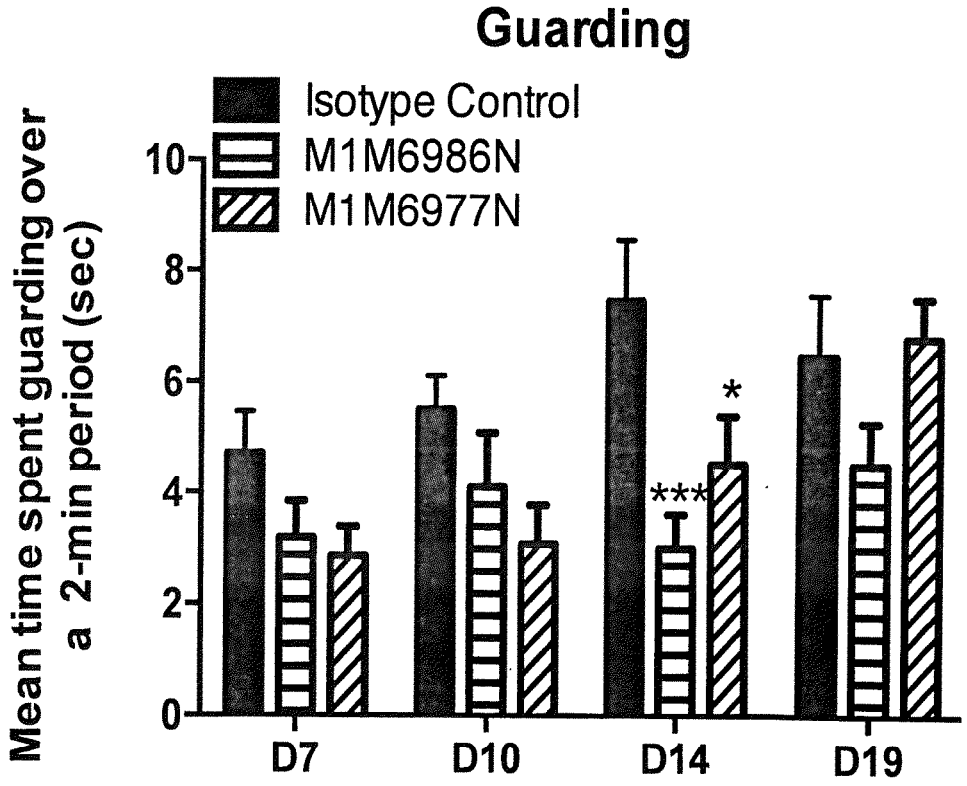

Guarding
Isotype Control
M1M6986N
M1M6977N
Mean time spent guarding over a 2-min period (sec)
10
8
6
4
2
0
***
*
D7
D10
D14
D19

Figure 7

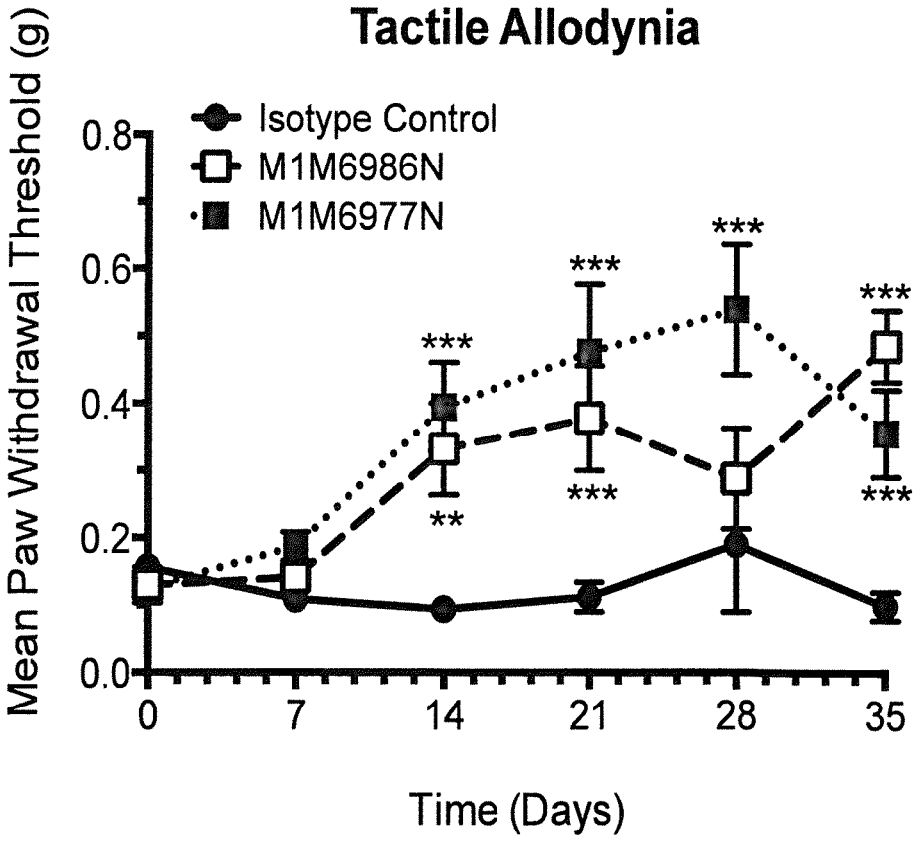

Tactile Allodynia
Isotype Control
M1M6986N
M1M6977N
Mean Paw Withdrawal Threshold (g)
0.0
0.2
0.4
0.6
0.8
0
7
14
21
28
35
Time (Days)
**
***
***
***
***
***

Figure 8

Figure 9

Antibody	Biotin-human GFRα3 captured (nm)	Amount of Antibody 1 bound (nm)	H4H2236N3	H4H2342P	H4H2295S	H4H2294S	H4H2291S	H4H2357S	H4H2355S	H4H2296S	H4H2243N2	H4H2212N	H4H2352S	H4H2292S	H4H2350P
H4H2236N3	1.07 ± 0.08	2.64 ± 0.18	0.00	-0.01	0.03	0.00	0.06	0.04	0.00	0.02	0.02	1.79	1.91	1.81	1.35
H4H2342P	1.09 ± 0.08	2.69 ± 0.17	0.20	0.06	0.31	0.23	0.45	0.25	0.16	0.28	0.11	1.76	1.72	1.85	1.46
H4H2295S	1.14 ± 0.15	2.83 ± 0.27	0.01	0.01	0.05	0.02	0.20	0.05	0.02	0.07	0.01	1.81	1.85	1.80	1.35
H4H2294S	1.22 ± 0.04	2.91 ± 0.09	0.05	0.01	0.04	0.02	0.12	0.03	0.00	0.04	0.03	1.92	1.99	1.92	1.42
H4H2291S	1.16 ± 0.04	2.89 ± 0.08	0.01	-0.01	0.00	0.00	0.05	0.00	0.00	-0.01	0.00	1.96	2.03	1.94	1.44
H4H2357S	1.15 ± 0.03	2.82 ± 0.07	0.04	-0.01	0.12	0.05	0.18	0.04	0.00	0.06	0.01	1.90	2.00	1.92	1.35
H4H2355S	1.15 ± 0.03	2.73 ± 0.07	0.18	0.06	0.20	0.16	0.31	0.16	0.07	0.18	0.09	1.95	1.97	1.92	1.44
H4H2296S	1.29 ± 0.13	2.88 ± 0.23	0.07	0.03	0.05	0.04	0.18	0.06	0.02	0.07	0.06	1.76	2.01	1.87	1.27
H4H2243N2	1.10 ± 0.08	2.42 ± 0.17	0.30	0.15	0.39	0.29	0.52	0.32	0.24	0.33	0.06	0.22	0.46	1.70	1.20
H4H2212N	1.09 ± 0.08	2.32 ± 0.15	2.14	2.17	2.15	2.12	2.69	2.38	2.05	2.36	0.16	0.05	0.08	1.76	1.36
H4H2352S	1.15 ± 0.03	2.74 ± 0.16	2.15	2.08	2.31	2.25	2.63	2.45	2.12	2.35	0.13	0.05	0.10	0.15	1.43
H4H2292S	1.17 ± 0.04	2.82 ± 0.08	2.24	2.16	2.31	2.31	2.81	2.43	2.07	2.36	1.91	1.78	0.34	0.11	1.53
H4H2350P	1.09 ± 0.07	3.31 ± 0.15	1.98	1.80	2.05	2.00	2.57	2.23	1.77	2.10	1.72	1.57	2.06	1.74	0.25