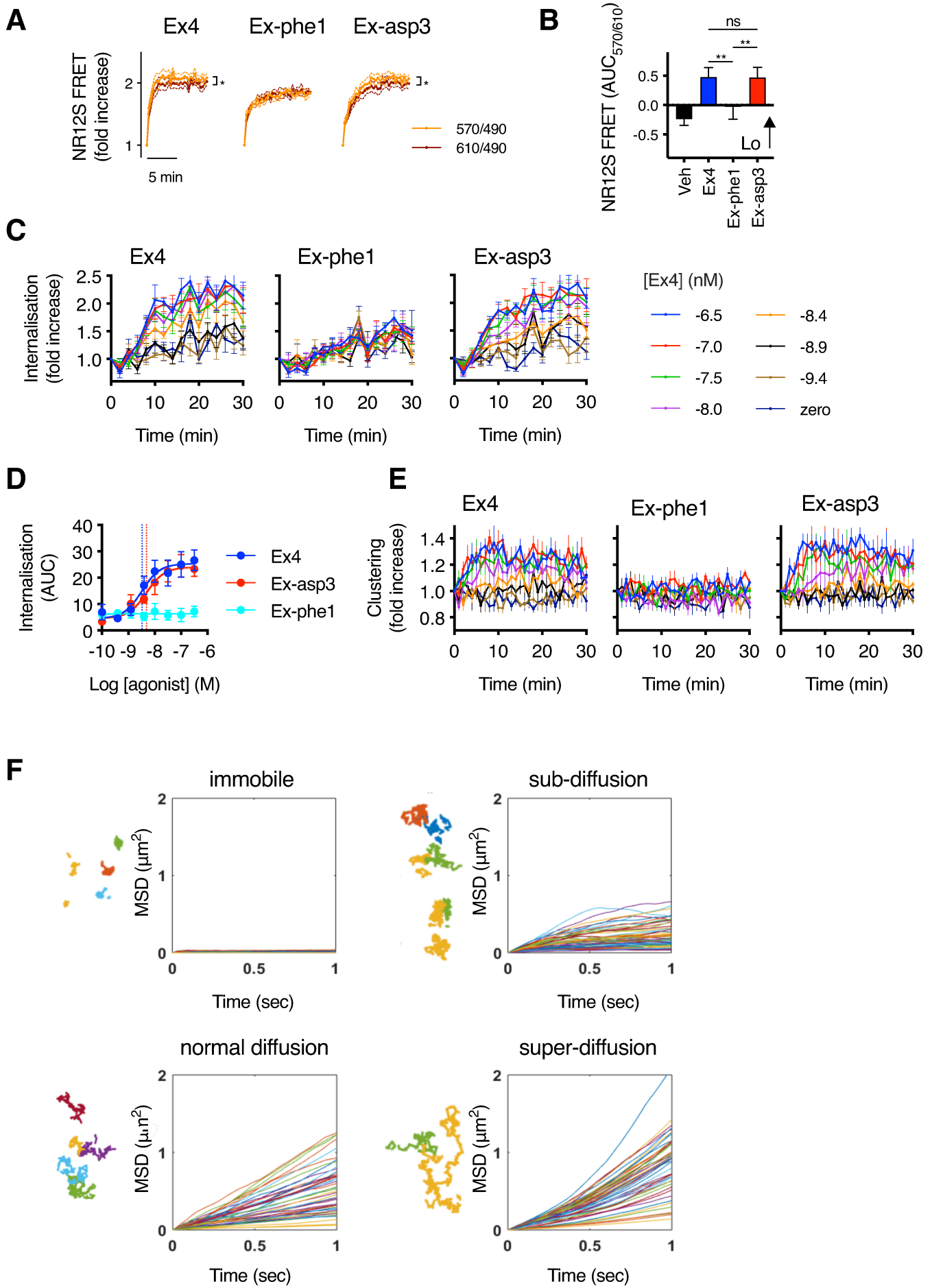
A
Ex4
Ex-phe1
Ex-asp3
NR12S FRET (fold increase)
2
1
5 min
570/490
610/490
B
NR12S FRET (AUC570/610)
ns
**
**
0.5
0.0
-0.5
Lo
Veh
Ex4
Ex-phe1
Ex-asp3
C
Ex4
Ex-phe1
Ex-asp3
Internalisation (fold increase)
2.5
2.0
1.5
1.0
0
10
20
30
Time (min)
[Ex4] (nM)
-6.5
-7.0
-7.5
-8.0
-8.4
-8.9
-9.4
zero
D
Internalisation (AUC)
40
30
20
10
0
-10 -9 -8 -7 -6
Log [agonist] (M)
Ex4
Ex-asp3
Ex-phe1
E
Ex4
Ex-phe1
Ex-asp3
Clustering (fold increase)
1.4
1.2
1.0
0.8
0
10
20
30
Time (min)
F
immobile
sub-diffusion
normal diffusion
super-diffusion
MSD (μm2)
2
1
0
0
0.5
1
Time (sec)