

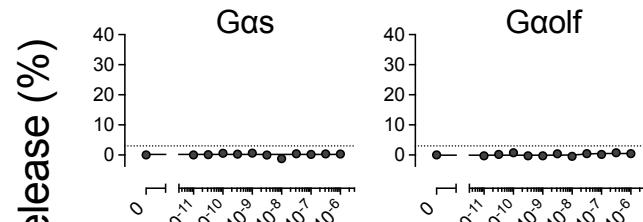
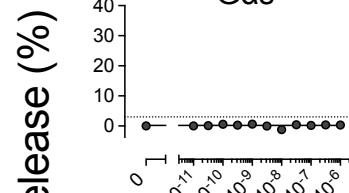
GPCR gene symbol: *MTNR1B*

GPCR name: MT2

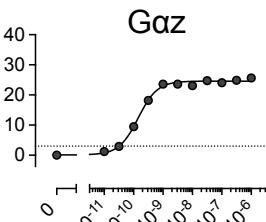
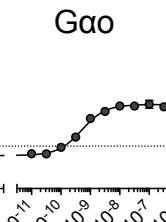
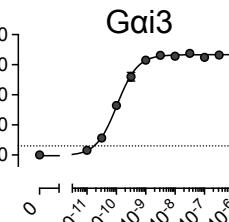
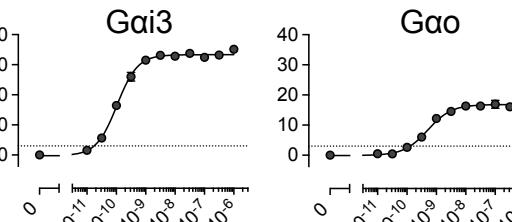
Tested ligand: Melatonin

### C-terminal chimera co-expression

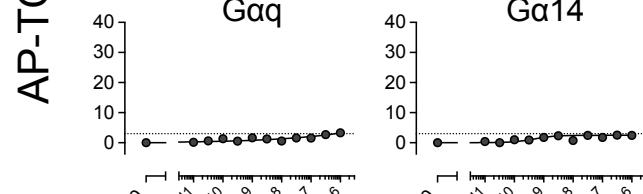
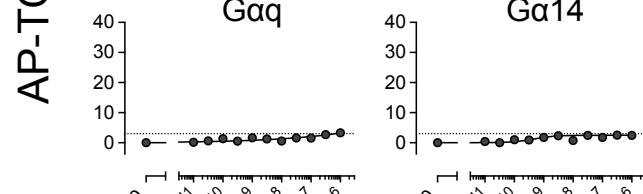
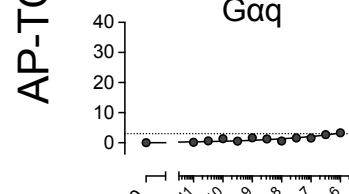
#### Gas family



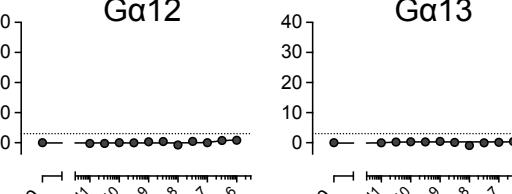
#### Gai family



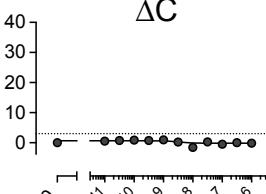
#### Gaq family



#### Gα12 family



#### Negative control



Ligand (M)

Emax (%AP-TGF $\alpha$  release)

● <3% ● 3-5% ● 5-10% ● >10%

Log RAI

C-term

Gas

Gaolf

Gai1

Gai3

Gao

Gaz

Gaq

Gα14

Gα15

Gα12

Gα13

Gas family

Gai family

Gaq family

Gα12 family