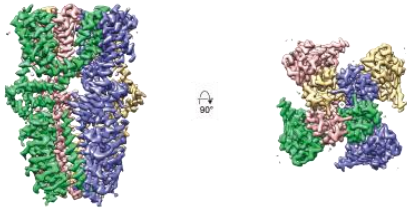
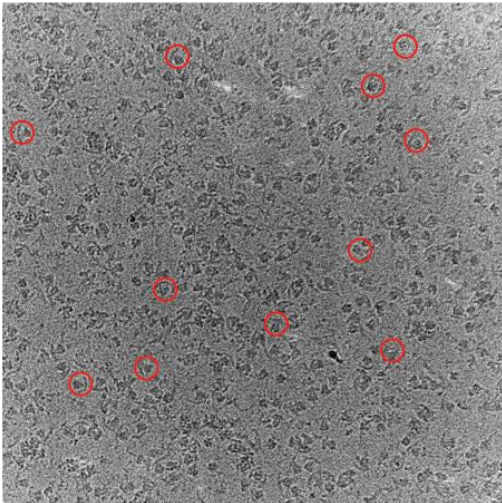


## Supplementary Figure

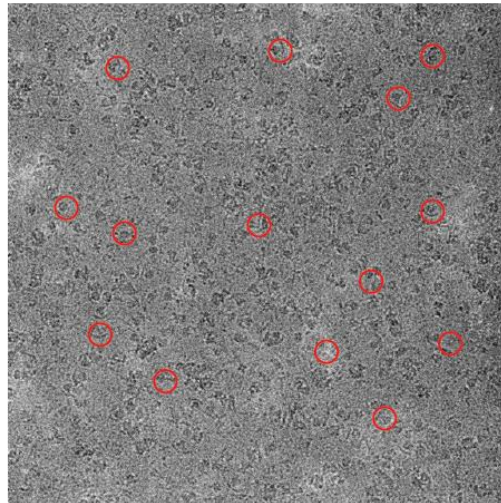
A



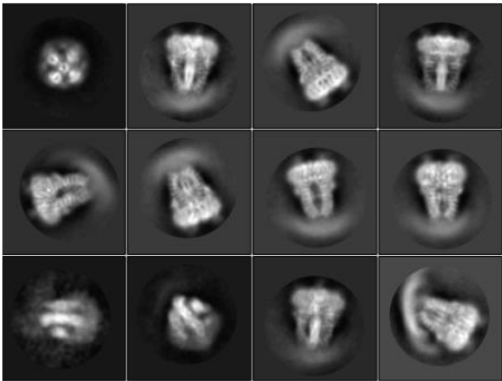
B



C



D



E



**(A)** 3D reconstruction of TRPA1 in apo state at 2.8 Å resolution (unpublished data).

**(B-C)** Representative micrographs of TRPA1 sample reconstituted in nanodiscs in complex with a covalent agonist for long (30 min) incubation time **(B)** and short (5 min) incubation time **(C)**, pixel size in micrographs is 1.55 Å/px.

**(D)** Representative 2D classes of a TRPA1 dataset with long sample incubation time, corresponding with **(B)**.

**(E)** Representative 2D classes of a TRPA1 dataset with short sample incubation time, corresponding with **(C)**.