

## Supplemental material

### Methods

Both LX2 and U2OS\_HA-hNTCP<sup>1</sup> cells were grown until confluence in 24-well plates and LX2 cells were activated by a 48h 10 ng/ml TGF $\beta$  pre-treatment before start of the experiment. Cells were incubated for 5 min with 1 $\mu$ M MyrB before incubation with 100 $\mu$ M TCA with trace amounts of [<sup>3</sup>H]TCA for 15min and lysed/counted. For the Tauro-nor-THCA-24-DBD uptake, cells were incubated for 30min at 37°C with 10 $\mu$ M N-(24-[7-(4-N,N-dimethylaminosulfonyl-2,1,3-benzoxadiazole)]-amino-3 $\alpha$ ,7 $\alpha$ ,12a-trihydroxy-27-nor-5 $\beta$ -cholestan-26-oyl)-2'-aminoethanesulfonate (Tauro-nor-THCA-24-DBD, Genomembrane Company, Ltd., Yokohama Japan) in the presence or absence of 400nM Myrcludex B. Cells were washed in PBS and lysed in 50 mM Tris-HCl, pH 7.4, 150 mM NaCl, 1% (v/v) Nonidet-40, 0,1% (w/v) sodium dodecyl sulfate (RIPA) before fluorescence was quantified by the Clariostar (BMG Labtech). Finally, for the Myrcludex-FITC staining, cells were imaged after incubation for 1h with 400nM MyrB-FITC at 37 °C.

### References

1. Bijsmans IT, Bouwmeester RA, Geyer J, et al. Homo- and hetero-dimeric architecture of the human liver Na<sup>+</sup>-dependent taurocholate co-transporting protein. *Biochem J* 2012;441(3):1007-15. doi: 10.1042/bj20111234 [published Online First: 2011/10/28]