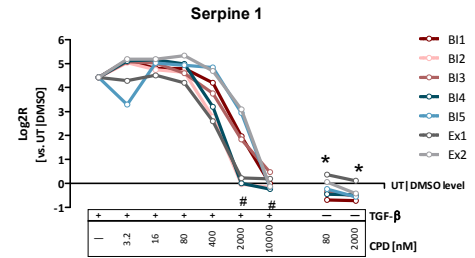


Figure S5

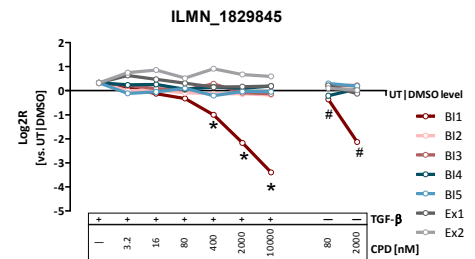
A TGF- β Effect (On Target Effect)

- > No regulation by compounds only (*)
- > Dose-dependent down-regulation of Serpine-1
- > High dose titration reaches w/o TGF- β levels of Serpine-1 (#)



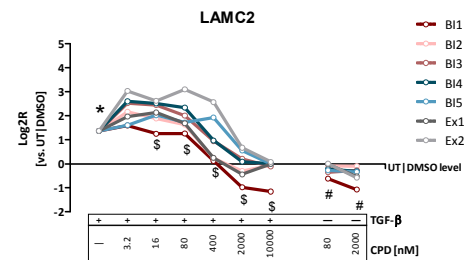
B Off Target Effect

- > ILMN_1829845 is dose-dependent regulated by compound BI1 only (*)
- > Regulation of ILMN_1829845 is not TGF- β -dependent (#)
- > All other compound do not affect the expression of ILMN_1829845



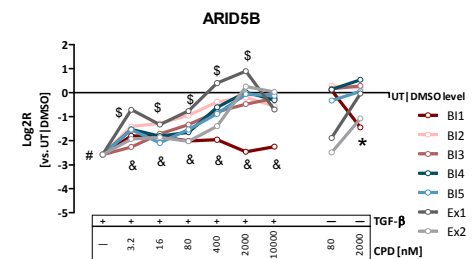
C On & Off Target Effect (additive)

- > LAMC2 is regulated ~2-fold by TGF- β signaling (on-target) (*)
- > All compounds show a dose-dependent down-regulation of LAMC2
- > Compound BI1 down-regulates LAMC2 also TGF- β -independent (off-target)(#)
- > For BI1 an additive effect of on- and off-target effect is observed (\$)



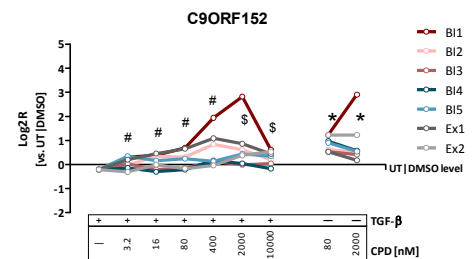
D On & Off Target Effect (inverse)

- > BI1 shows a dose-dependent down-regulation of ARID5B in a TGF- β -independent manner (off-target) (*)
- > TGF- β stimulation revealed a strong down-regulation of ARID5B (on target) (#)
- > the regulation of ARID5B is not affected by BI1 titration - inverse effect (on target vs. off target effect) (&)
- > all other compounds are able to inhibit the TGF- β effect (on target) dose-dependently (\$)



E On & Off Target Effect (bipolar)

- > All compounds are inducing the expression of C9ORF152 in a TGF- β -independent manner (off-target) (*)
- > Under TGF- β stimulation the compounds BI1, BI2 & Ex1 tend to induce the C9ORF152 expression in a dose-dependent manner at lower concentration (on target) (#)
- > BI1, BI2 & Ex1 show a bipolar regulation of C9ORF152: they induce the expression at lower level, whereas they down-regulate C9ORF152 at high doses (\$)



F Off Target Effect (common)

- > All compounds are reducing SCARNA9 expression in TGF- β -independent manner (off-target) (*)
- > TGF- β stimulation only showed no regulation of SCARNA9 expression (#)
- > All compounds are down-regulating SCARNA9 in dose-independent manner (\$): treatment effect?

