siTOOLs BIOTECH
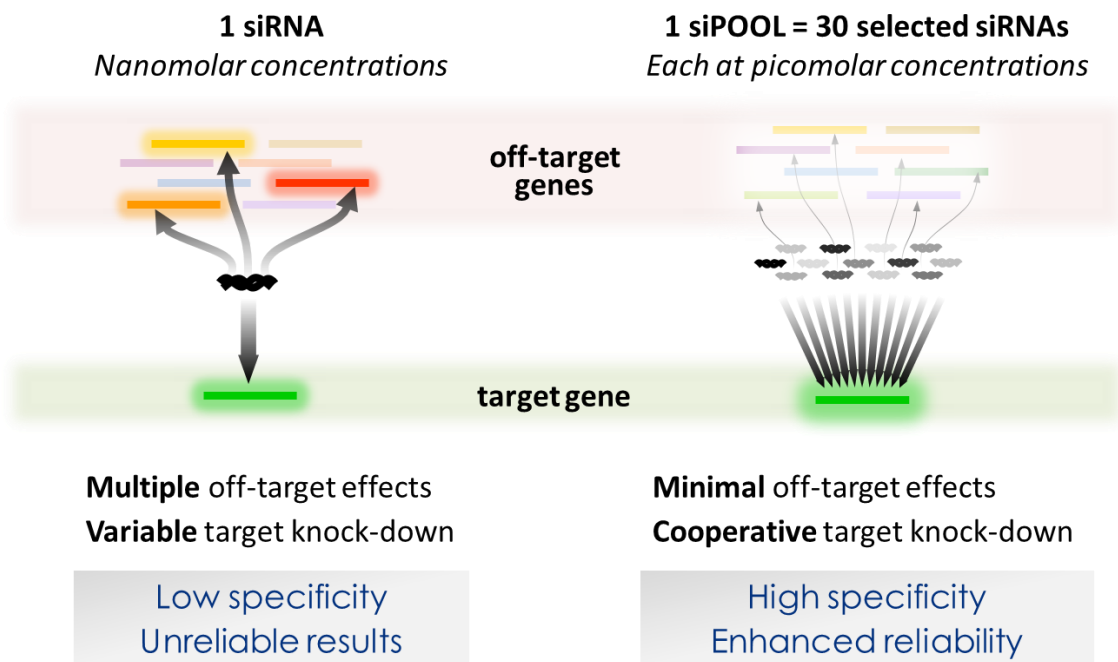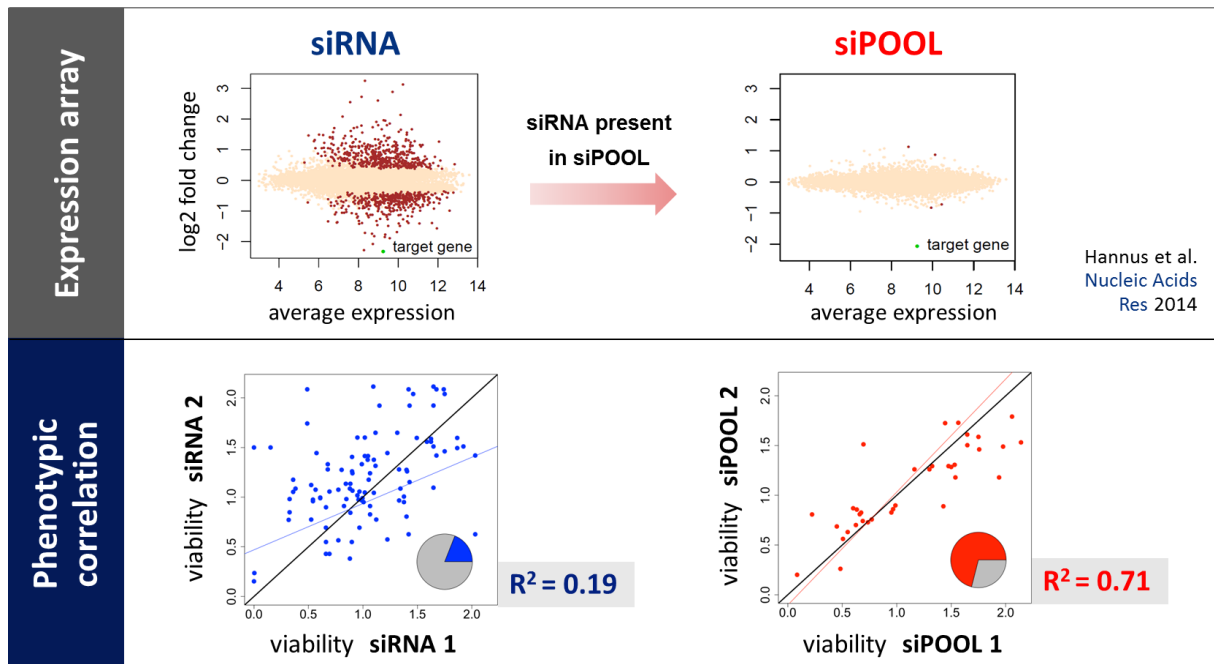
Studying gene function? Looking for a potent, specific and easy method of gene silencing?

Introducing siPOOLs – Next generation RNAi

1 siRNA
Nanomolar concentrations

1 siPOOL = 30 selected siRNAs
Each at picomolar concentrations

off-target genes

target gene

Multiple off-target effects
Variable target knock-down

Low specificity
Unreliable results

Minimal off-target effects
Cooperative target knock-down

High specificity
Enhanced reliability

siPOOLs give reliable phenotypes

Expression array: A siPOOL combines 30 siRNAs, designed with proprietary algorithms for maximal gene knock-down. As the working concentration of each siRNA in a siPOOL is in the picomolar range, off-target effects are greatly reduced while on-target silencing is cooperatively maintained.

Phenotypic correlation: If reliable and specific, two reagents that target the same gene should produce similar phenotypes. The highly-specific siPOOLs clearly outperformed individual siRNAs, giving rise to reproducible and reliable phenotypes.

Request a quote or find out more!

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