Monomer library (150-170 bp) Assembly into multimers

-630 bp

Colony PCR Sequence confirmation Color-coded RVDs reveal correct assembly

-420 bp

TALE Binding Sequences

Transformation Negative control

Assembly into vector

TALE repeats Effector (TF) Reporter

Luciferase Activity

500000

0

Mock Effector

Quantitative validation of TAL-TF

Luciferase

65-fold

Transformed control

TBS

mCMV

GFP

T2A

Luciferase

TALE Binding Sequences