

Guide Select™ Overview

Guide Select



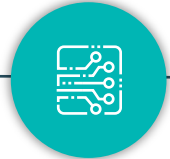
Low cost, multiplexed variant of the ONE-seq assay to enable screening of multiple guide RNA's



Limited search for early indication of off-target activity



Computational search of multiple targets against multiple genomes



Target oligos synthesized on DNA chip (~50– 240k)



Uniform ONE-seq library



In vitro editing (Cas9, Cas12a, ABE, CBE, etc.)

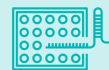


Deep NGS Sequencing



Off-target nomination / analysis of biological impacts

Guide Select



Screening

Multiplexed off-target assessment assay designed for screening multiple guide RNAs in parallel. Variant aware searching within a limited search space enables high powered, low-cost surface-level risk assessment for program prioritization and guide RNA selection.

In silico + biochemical evaluation

- ✓ Low cost per guide
- ✓ Screen high similarity off-targets
- ✓ Population-scale variant assessment

Informed guide RNA selection

- ✓ Evaluate multiple guides
- ✓ Reduce program risk through early profiling and selection