

QB3 MacroLab robot-assisted core facility

96-well site-directed mutagenesis

96-well, 1-2 weeks, >70% efficiency guaranteed

expression assessment in 1 ml culture

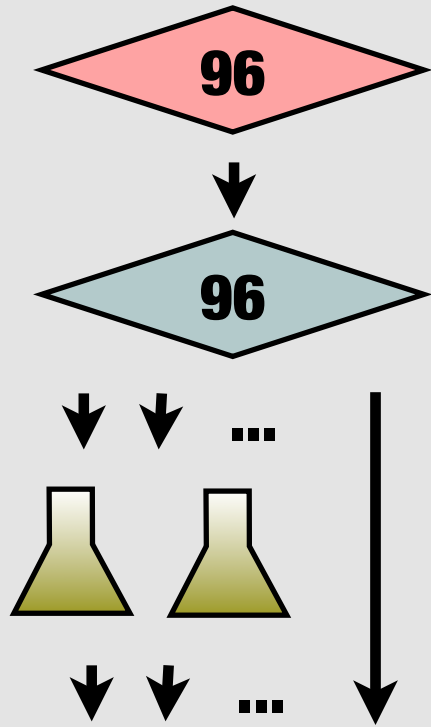
96-well, 2-3 weeks

select mutants that express >25 ug/ml

use protein directly for fluorescence and SPR assays

expression and purification in 2 L culture

~ 4/week, >25 mg protein for ITC and crystallography



our laboratory



purchase known ligands

multiple ligands/receptor with range of affinities

isothermal titration calorimetry

384/automated run; <0.5 mg/experiment

fluorescence binding assays or SPR

96/plate; <10 ug/experiment

X-ray crystallography

with collaborators and core facilities

