

A**Plate A**

Supplier: 4titude Limited
Product Description: UltraVision Plate 96, clear, non-sterile with UV base
CAT Number: 4ti-0234
Material: Polystyrene, base of wells made with proprietary material

**Plate B**

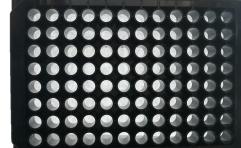
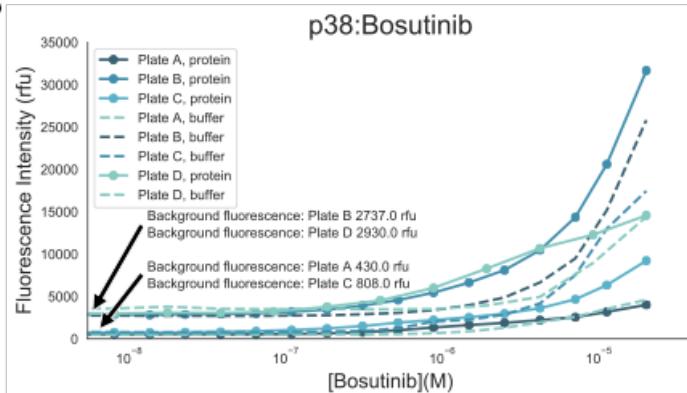
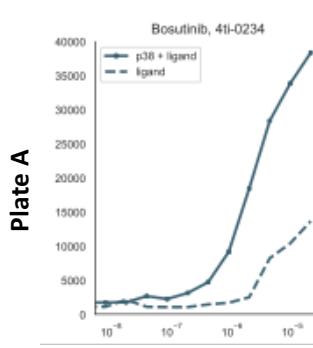
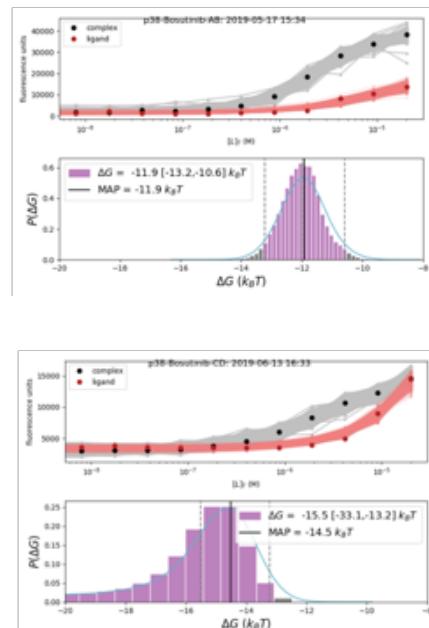
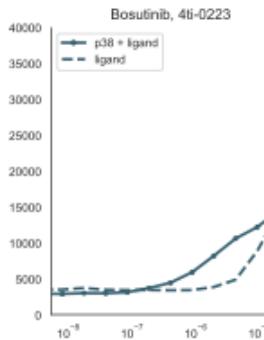
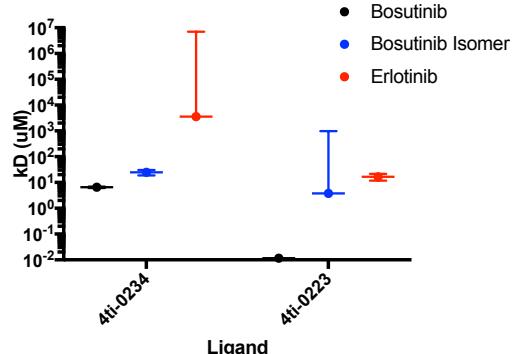
Supplier: Corning Inc.
Product Description: Corning® 96-well Black/Clear Flat Bottom Polystyrene NBS Microplate, 25 per Bag, without Lid, Nonsterile
CAT Number: 3651
Material: Polystyrene treated with proprietary nonbinding technology

**Plate C**

Supplier: Greiner Bio-One
Product Description: Microplate, 96 well, UV-Star®, COC, F-Bottom, Chimney Well, Black, µClear®, 10 ST./BTL.
CAT Number: 655809
Material: Cycloolefine

**Plate D**

Supplier: 4titude Limited
Product Description: Vision Plate 96, black, clear base, sterile
CAT Number: 4ti-0223
Material: Polystyrene

**B****C****Fluorescence Traces****Assaytools Results****Plate D****Binding Affinity Estimations for p38 in various plate types**

Protein:Ligand Pair	Dialysis	Plate Type	kD Mean (μM)	kD SD (μM)
p38:Bosutinib	No	4ti-0234	6.5	6.3
p38:Bosutinib	Yes	4ti-0223	0.0115	0.5508
p38:Bosutinib Isomer	No	4ti-0234	24.6	23.4
p38:Bosutinib Isomer	Yes	4ti-0223	3.8	25835.5
p38:Erlotinib	No	4ti-0234	3600	194600
p38:Erlotinib	Yes	4ti-0223	16.7	29.2