

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**

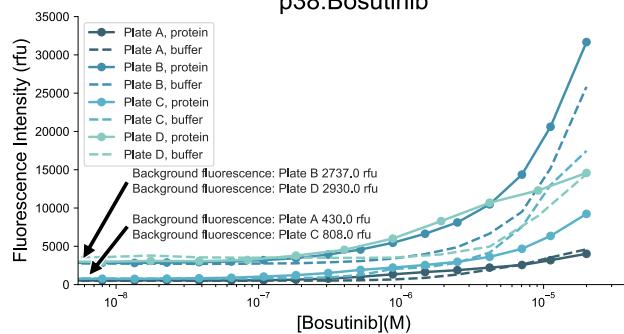
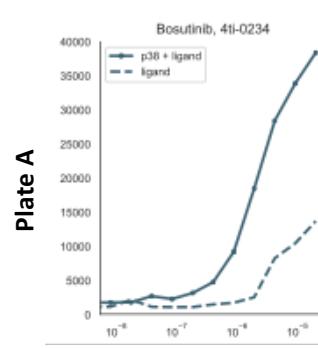
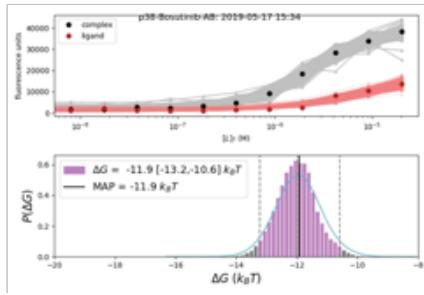
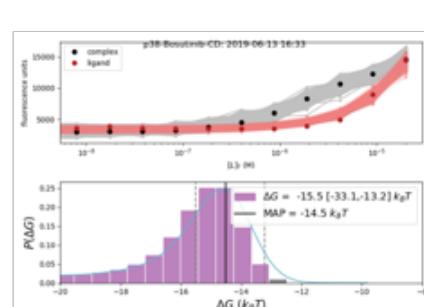
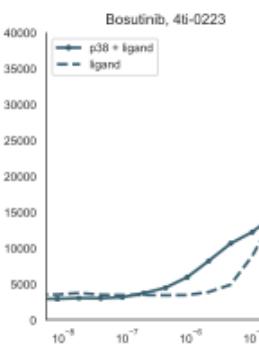
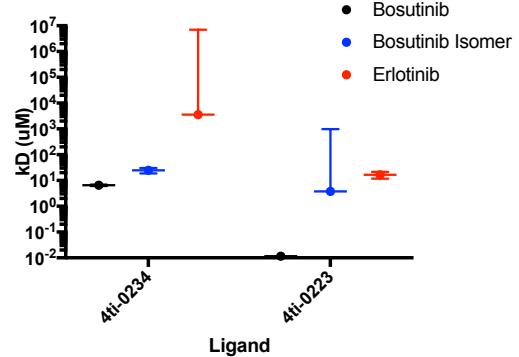
Supplier: Corning Inc.
Product Description: Corning® 96-well Black/Clear Flat Bottom Polystyrene NBS Microplate, 25 per Bag, without Lid, Nonsterile
CAT Number: 3651
Material: Polystyrene treated with proprietary nonbinding technology

**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 |