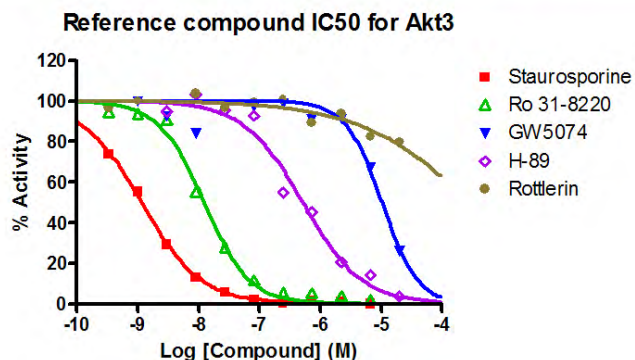
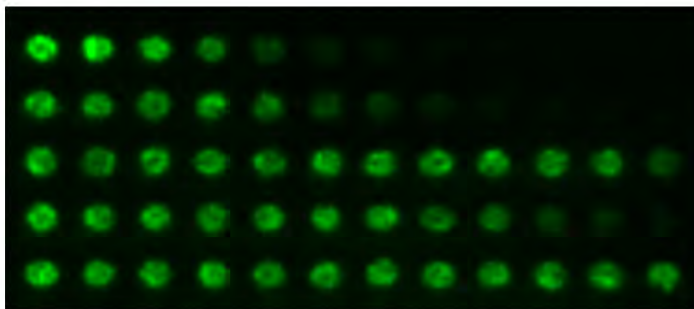


# RBC's Kinome-Services

## HotSpot<sup>SM</sup> Kinase Assays: “Gold Standard” radiometric filter binding based assay



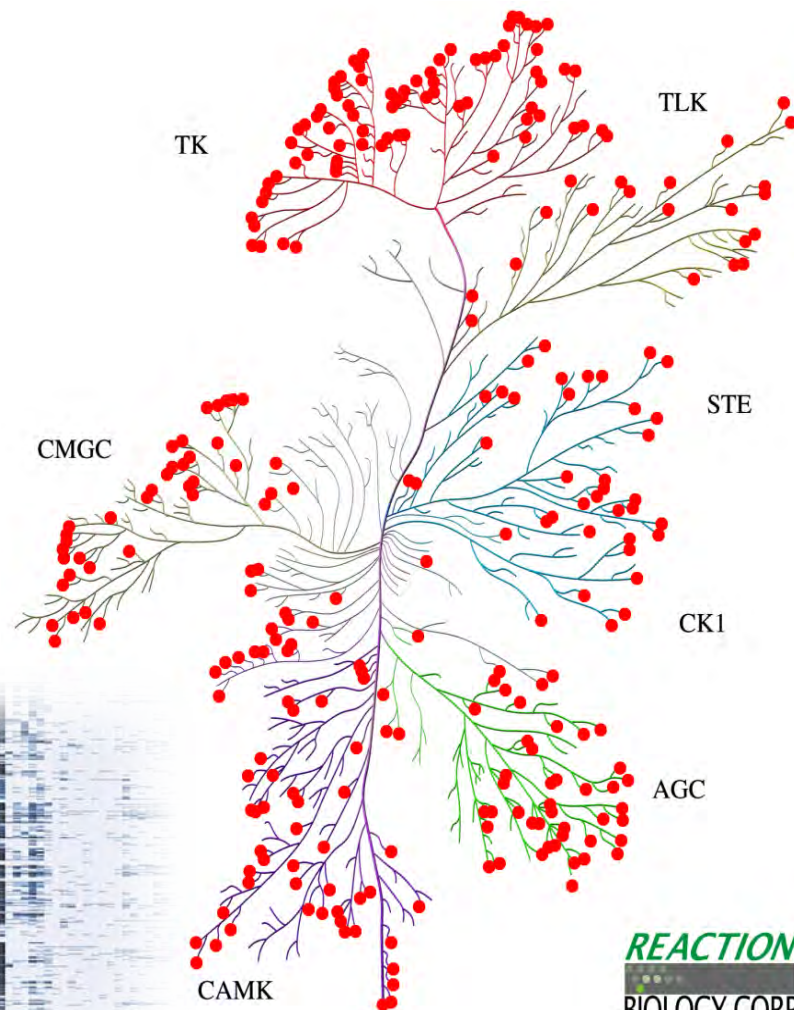
## Kinase HotSpot<sup>SM</sup> :

- Proprietary methods enable
  - *Nanoliter scale assays*
  - *Operational efficiencies*
  - *Cost reduction*
  - *Environmental friendly*
- HTS & Profiling;
- Single dose or curves;
- ATP competitive evaluation;
- Substrate competitive evaluation;
- Binding reversibility test;
- K<sub>i</sub> determination;
- Custom assay development;
- Substrate determination;
- Research collaboration.

# RBC's Kinome-Services

## Values of Working with RBC:

- Gold Standard  $^{33}\text{P}$  assay at low cost;
- The largest kinase panel for functional assay available: 370 kinases and growing;
- Customer customized assay conditions;
- Free Data analysis / curve fitting;
- High quality data: internal 10-dose IC50 control on every compound for every target, and every order.



REACTION  
BIOLOGY CORP.





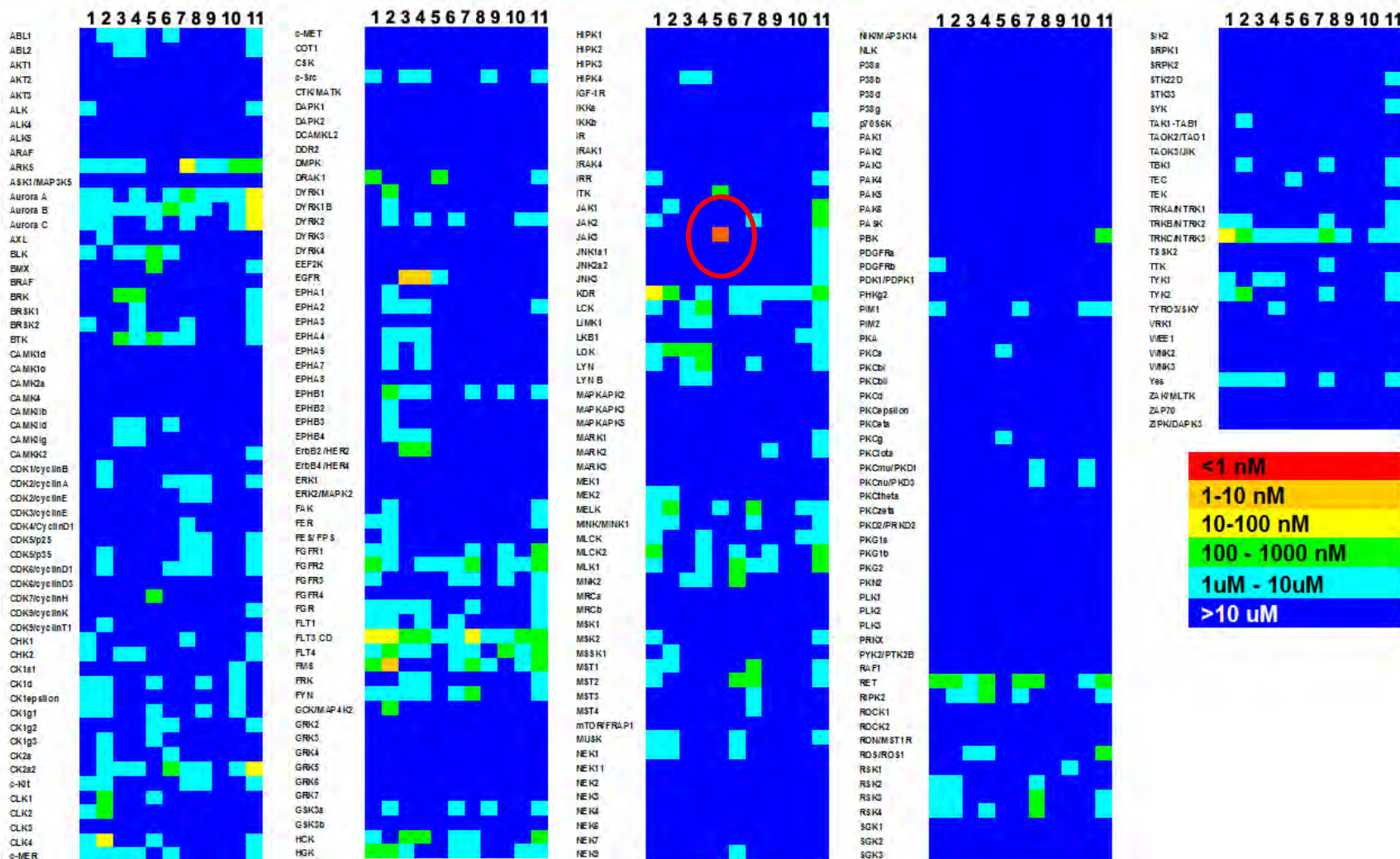
# RBC's Kinome-Services

Antibody microarray-Protein microarray

Protein Phosphorylation  
detection: Antibody ELISA  
array for detecting over  
1,000 phosphorylation sites.



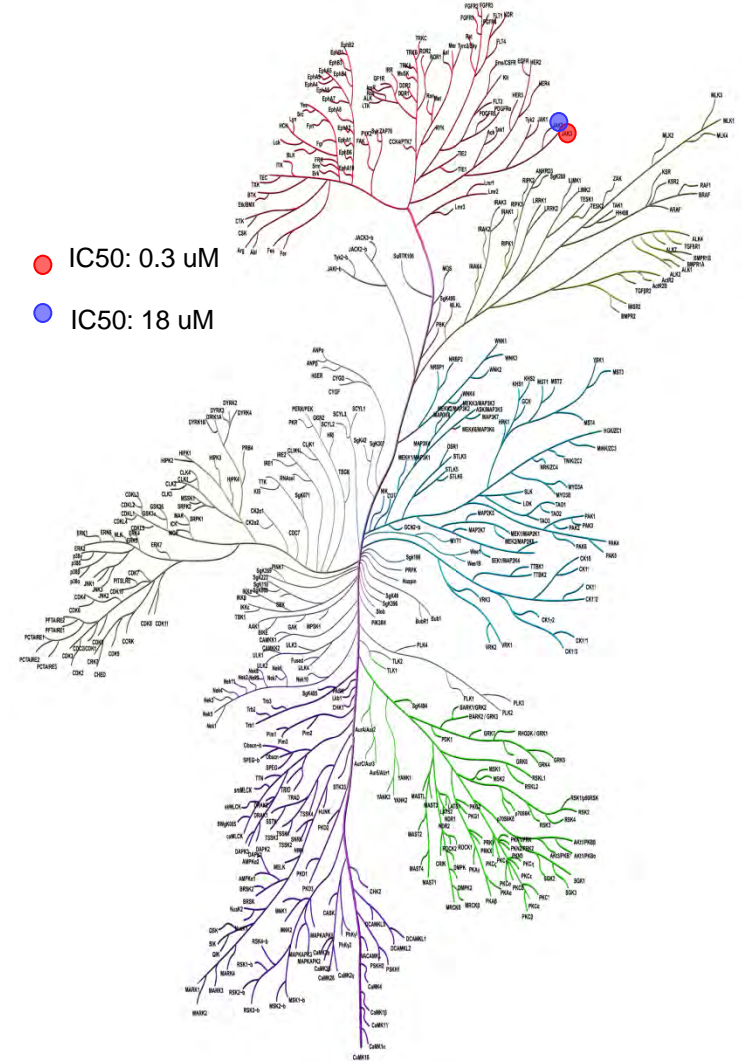
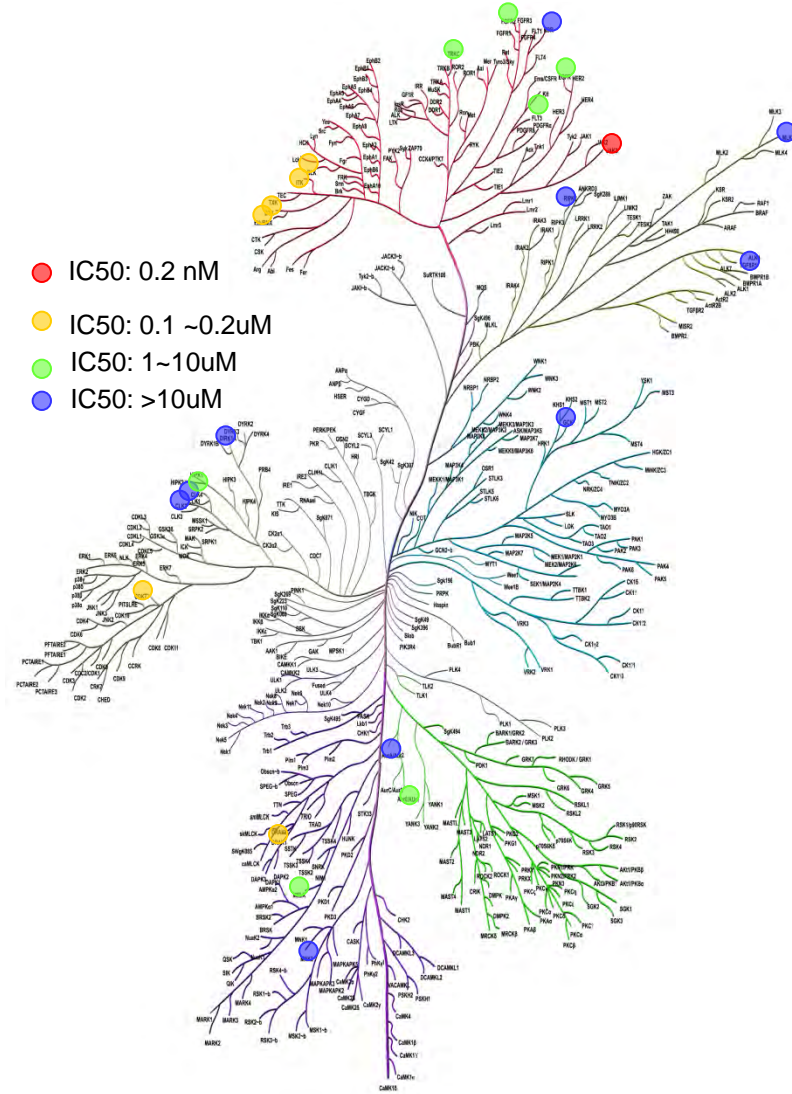
# Heatmap of 11 Compounds vs. 260 Kinases



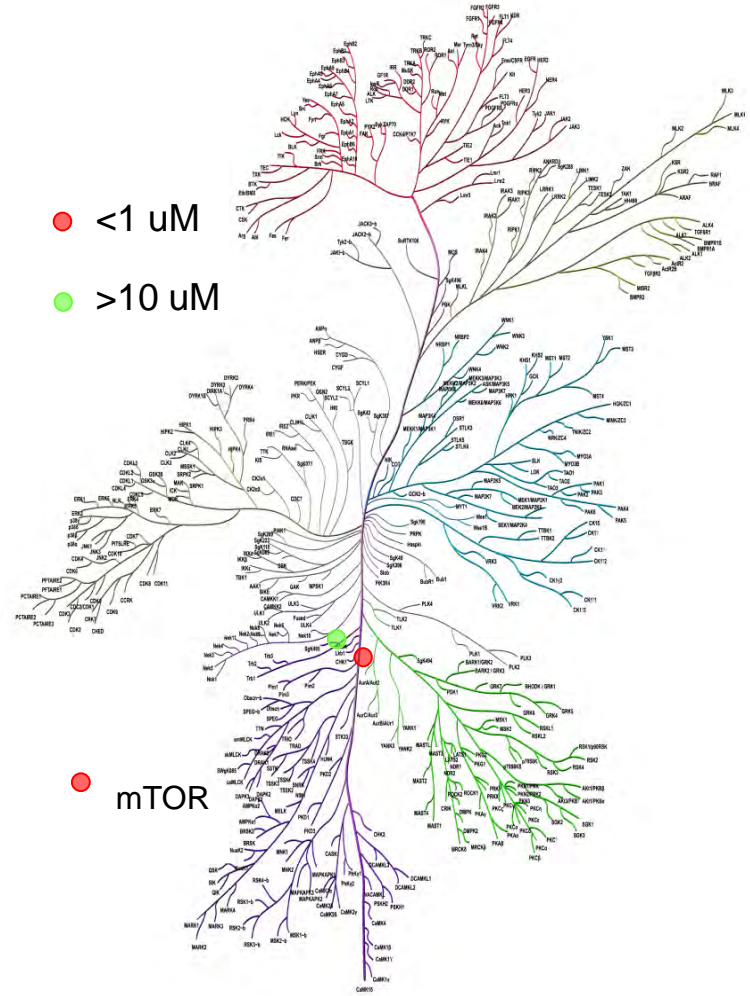
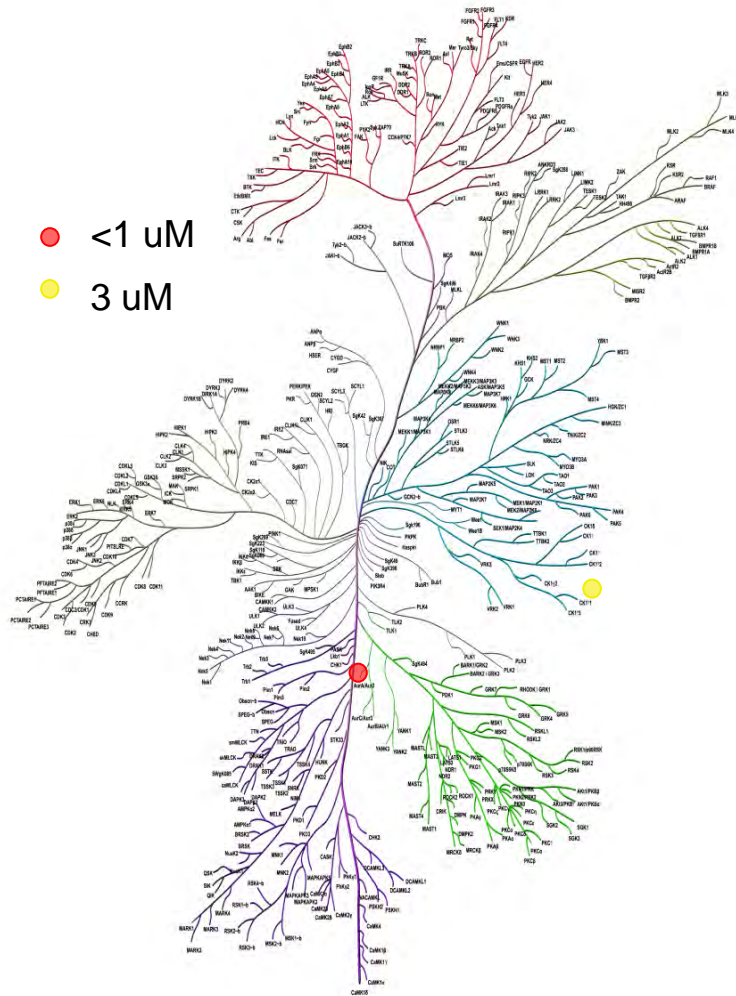
# JAK3 Inhibitors

- IC50: 0.2 nM
- IC50: 0.1 ~0.2uM
- IC50: 1~10uM
- IC50: >10uM

- IC50: 0.3 uM
- IC50: 18 uM



# Aurora A/mTOR



# CK1 & CDK5

