

	A	B	C
1	Experiment Meta Data		
2	Format	Dose Response	
3	Protocol Name	Fiona Test Protocol	
4	Experiment Name	Fiona Test Experiment 5-2	
5	Scientist	bob	
6	Notebook	12	
7	Page	7	
8	Assay Date	2015-05-08	
9			
10	Calculated Results		
11	Datatype	Text (hidden)	Text
12	Corporate Batch ID	Rendering Hint	curve id
13	CMPD-0000011-	4 parameter D-R	a sigmoid
14	CMPD-0000012-	4 parameter D-R	b sigmoid
15	CMPD-0000013-	4 parameter D-R	c sigmoid
16	CMPD-0000014-	4 parameter D-R	d sigmoid
17	CMPD-0000015-	4 parameter D-R	e sigmoid
18	CMPD-0000016-	4 parameter D-R	f sigmoid
19	CMPD-0000017-	4 parameter D-R	90803 sigmoid
20	CMPD-0000018-	4 parameter D-R	90816 sigmoid
21	CMPD-0000019-	4 parameter D-R	126226 sigmoid
22	CMPD-0000020-	4 parameter D-R	126877 sigmoid
23	CMPD-0000021-	4 parameter D-R	126915 sigmoid
24	CMPD-0000022-	4 parameter D-R	126933 sigmoid
25	CMPD-0000023-	4 parameter D-R	8778 biphasic
26	CMPD-0000024-	4 parameter D-R	8788 biphasic
27	CMPD-0000025-	4 parameter D-R	8806 biphasic
28	CMPD-0000026-	4 parameter D-R	8836 biphasic
29	CMPD-0000027-	4 parameter D-R	9629 biphasic
30			
31			
32			
33			
34	Raw Results		
35	temp id	x	y
36	curve id	Dose (uM)	Response (efficacy)
37	a		88.51
38	a		89.826
39	a		89.883

### Dose Response Fit Module

Upload Data

Model Fit

Model Fit Type

Select Model

Model Fit Type

- Select Model Fit Type
- EC50
- Ki

Model Fit Type

EC50

#### Global Fit Criteria

Smart Mode

Max:  None  Pin  Limit

Min:  None  Pin  Limit

Slope:  None  Pin  Limit

Inverse Agonist Mode

Inactive Threshold



20

Fit Data

### Curve Fit Summary

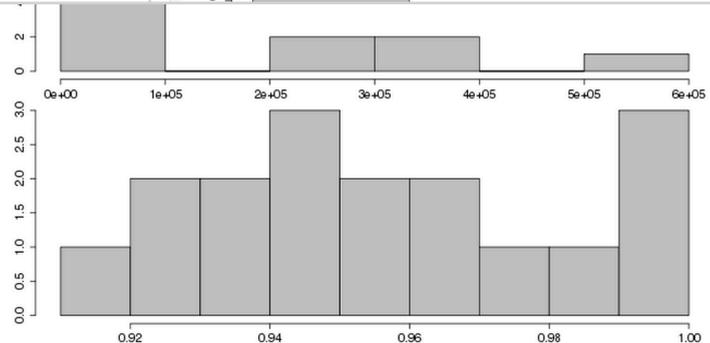
#### Model Equation

$$f(x) = c + \frac{\text{max} - \text{min}}{1 + \exp(\text{slope}(\log(\text{conc}) - \log(\text{ec50})))}$$

#### Fit Summary

- Attempted Fits: 17
- Successful Fits: 17
- Failed Fits: 0

#### Categories



\* Note - this summary is the result of the initial fit; curve curation may alter curves

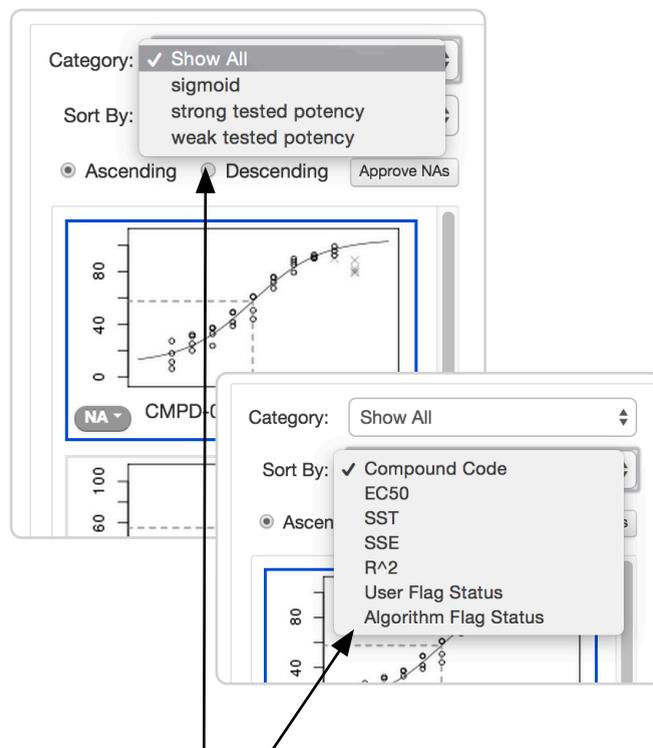
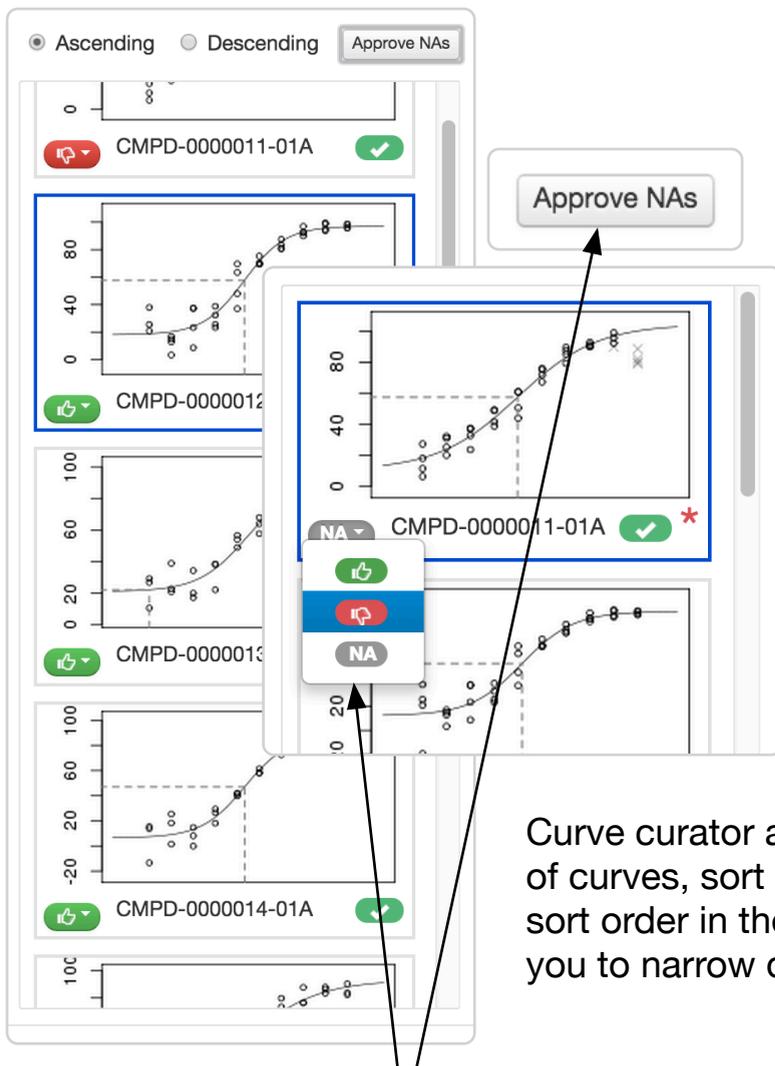
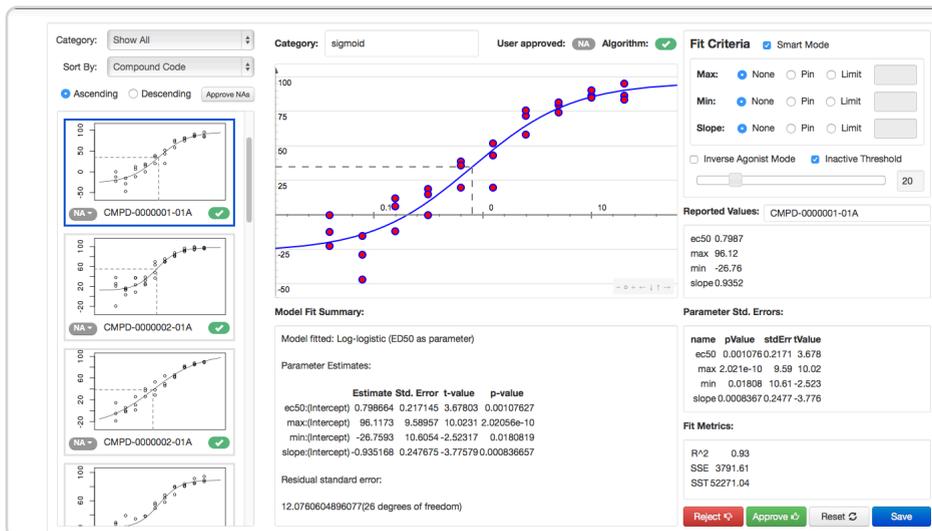
Fit Date: Tue Sep 29 2015 08:28:59 PM

Curate

Load and Fit Another

Load dose response data by going to the Dose Response module. Loading a file here is exactly like loading a file in SEL. Once the file has been uploaded successfully, it will ask you to choose between EC50 and KD. It will then show you a curve fit summary. From there, click the [Curate](#) button to open the curve curator.

In curve curator, you can reject and approve curves, knock out points, and change fit criteria. There is also a link to open the curves in Seurat.



Curve curator allows you to display certain categories of curves, sort by different parameters, and change the sort order in the curve summaries side bar. This allows you to narrow down the curves you are viewing.

From here you can also quick approve and reject curves, and approve all NA curves.

Category: sigmoid User approved: NA Algorithm: Fit Criteria

Reason for flagging:  Compound Toxic  Pass Trend

Reported Values:  
CMPD-0000011-01  
ec50 0.6144 uM  
max 104.4 efficacy  
min 10.53 efficacy  
slope 0.8687

Parameter Std. Error

name	pValue	s
ec50	0.000014710	
max	2.013e-15	
min	0.1689	

Model fitted: Log-logistic (ED50 as parameter)

You can knock out points by clicking and dragging your mouse down over the specific points to be knocked out. Then pick the reason for flagging them. Knock points back in by clicking and dragging up over the same points.

You can reset a curve to its last save point by clicking the reset button. This will get rid of any changes made since the curve was first loaded or saved last.



You can also reject or approve a curve from the detailed view. Click **Save** once you are satisfied with your changes.

Category: strong tested potency User approved: Algorithm: Fit Criteria

Max:  None  Pin  
Min:  None  Pin  
Slope:  None  Pin

Inverse Agonist Mode  Inactive Threshold

Reported Values:  
CMPD-0000012-01A

Reject Approve Reset Save

You can then open your curves in Seurat.