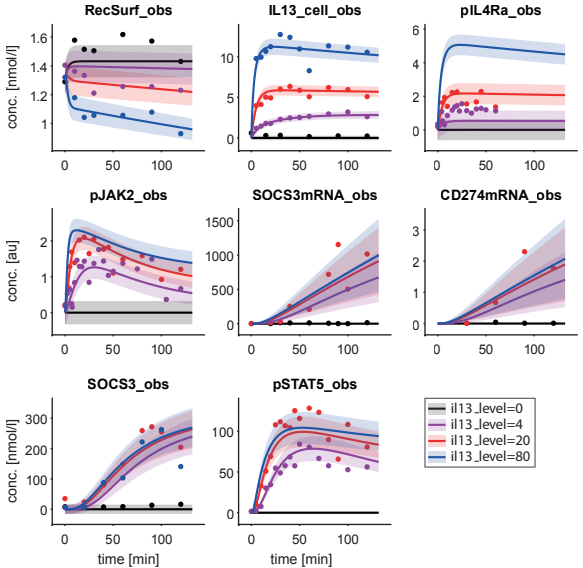
A

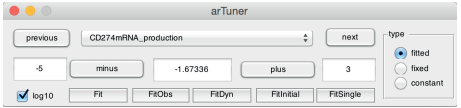


B

```
arInit
arLoadModel('il13_jak2_stat5');
arLoadData('MedB1_real_data');
arCompileAll;

arFit;
arPlot;
arPrint;
```

C



D

Parameters: # = free, C = constant, D = dynamic, I = initial value, E = error model

		name	lb	value	ub	10^value	fitted	prior
# 1	D	CD274mRNA_production	-5	-1.7	+3	1 +0.021	1	uniform(-5,3)
# 2	D	DecoyR_binding	-5	-2.4	+3	1 +0.0039	1	uniform(-5,3)
# 3	D	JAK2_p_inhibition	-5	-1.1	+3	1 +0.078	1	uniform(-5,3)
# 4	D	JAK2_phosphorylation	-5	+0.0075	+3	1 +1	1	uniform(-5,3)
# 5	D	Kon_IL13Rec	-5	-2.6	+3	1 +0.0023	1	uniform(-5,3)
# 6	D	Rec_intern	-5	-0.46	+3	1 +0.34	1	uniform(-5,3)
# 7	D	Rec_phosphorylation	-5	+3	+3	1 +1e+03	1	uniform(-5,3)
# 8	D	Rec_recycle	-5	-2.7	+3	1 +0.0021	1	uniform(-5,3)

...

E