Optimal number of OID loops

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Description

TODO: Describe what is going on here

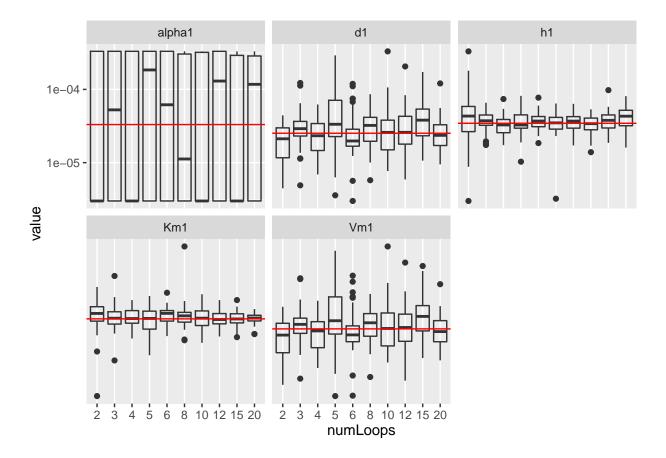
Number of runs

$\operatorname{numLoops}$	n
2	25
3	30
4	30
5	28
6	30
8	30
10	30
12	30
15	30
20	30

Fitted parameter values after final hour

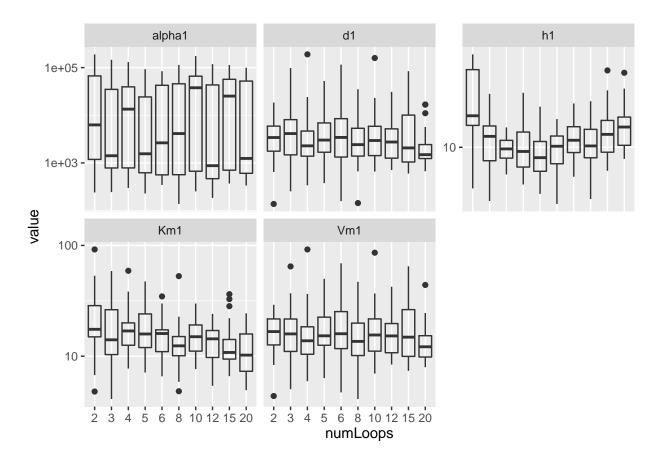
The final fitted parameters for each method after 60 hours of experiment.

TODO: The y-axis for some of these need not values.



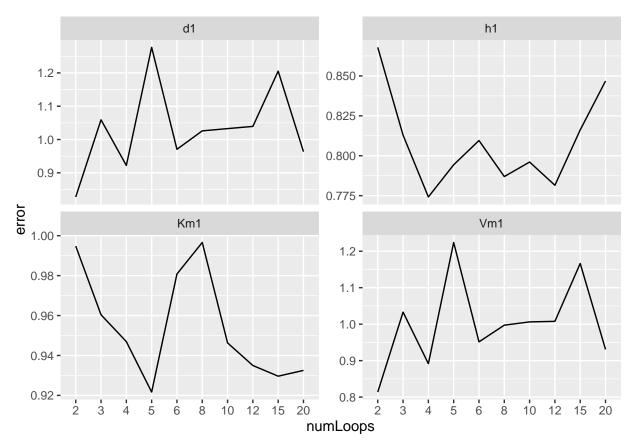
Relative confidence intervals after the final hour

Relative confidence intervals for each parameter by experiment.

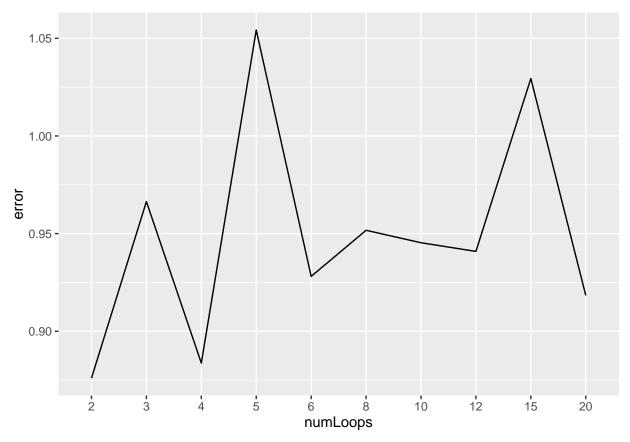


Normalised squared error over all parameters except alpha

Dividing the estimated parameter value by the true parameter value, summing the squared errors and then dividing by the number of data points gives the following graphs for each parameter.



Combining these into a single graph (just using addition) gives:



This is not the U-shaped curve we had expected to see.

Code and data

TODO: Add references to the source code and the data.

 $All\ experiments\ are\ in\ git\ repository:\ git@github.com:csynbiosys/AMIGO2R2016b.git$

 $The\ random\ experiment\ is\ branch\ Experiment-Ventress\ commit\ 7227eaa 63069ff 921a 48764 fa 8bd 12dc 6e 2a 2ec 3.$

 $The \ OID \ experiment is \ branch \ Experiment-CadBane \ commit \ f475047ece093b66ed23b66b701dd6565cfa6c69.$