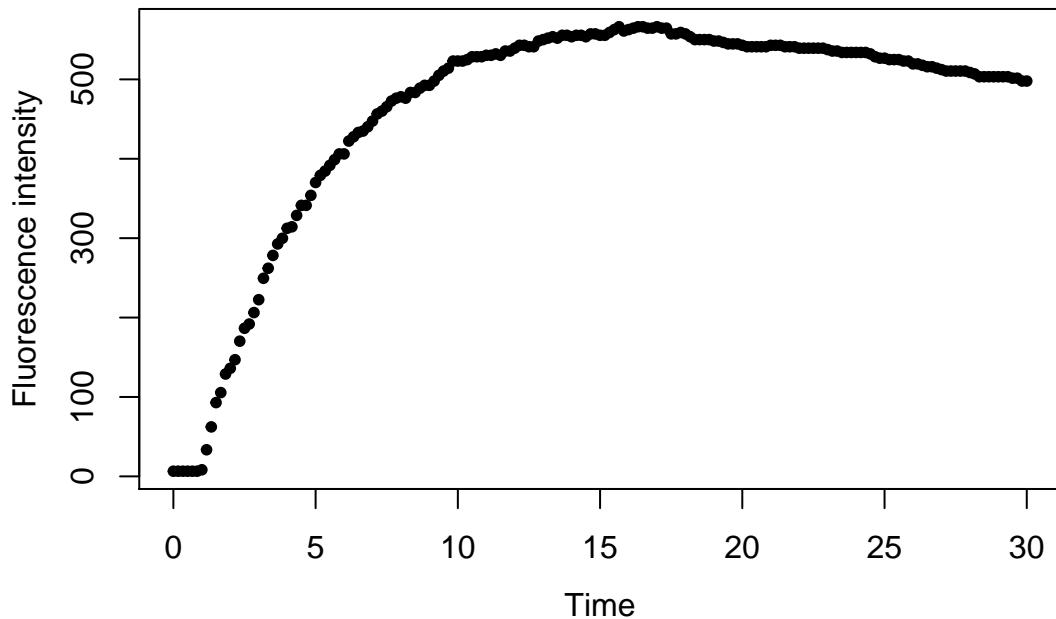


Analysis of individual stanfit objects

November 3, 2020

Dataset: simulated_data_dataset1_no_error, model type: ODE

Trajectory 2



	mean	se_mean	sd	5%	50%	95%	n_eff
theta[1]	0.148	0.054	0.108	0.008	0.229	0.238	4
theta[2]	1.549	0.020	2.098	0.026	0.658	6.085	11234
theta[3]	0.093	0.054	0.108	0.008	0.009	0.237	4
m0	209.830	2.111	210.484	4.235	141.331	632.918	9942
sigma	0.027	0.000	0.001	0.024	0.027	0.029	13606
scale	7.188	0.087	8.061	0.134	3.633	25.032	8554
offset	6.502	0.001	0.070	6.387	6.501	6.618	14448
t0	0.984	0.000	0.002	0.981	0.984	0.987	18713
prod_theta2_m0	222.773	5.269	548.549	5.725	39.602	1072.478	10837
prod_theta2_scale	6.824	0.233	19.178	0.227	1.016	33.854	6793
prod_m0_scale	1084.106	24.871	2248.288	23.601	218.254	5472.849	8172
prod_theta2_m0_scale	143.615	0.010	1.150	141.745	143.597	145.527	12806
x2_sim[180]	775.334	18.339	1909.697	19.949	137.876	3731.993	10844
	Rhat						
theta[1]	37.109						
theta[2]	1.001						
theta[3]	46.234						
m0	1.000						
sigma	1.000						
scale	1.001						
offset	1.000						
t0	1.000						

```
prod_theta2_m0      1.000
prod_theta2_scale   1.001
prod_m0_scale       1.001
prod_theta2_m0_scale 1.000
x2_sim[180]         1.000
```

Divergences:

0 of 20000 iterations ended with a divergence.

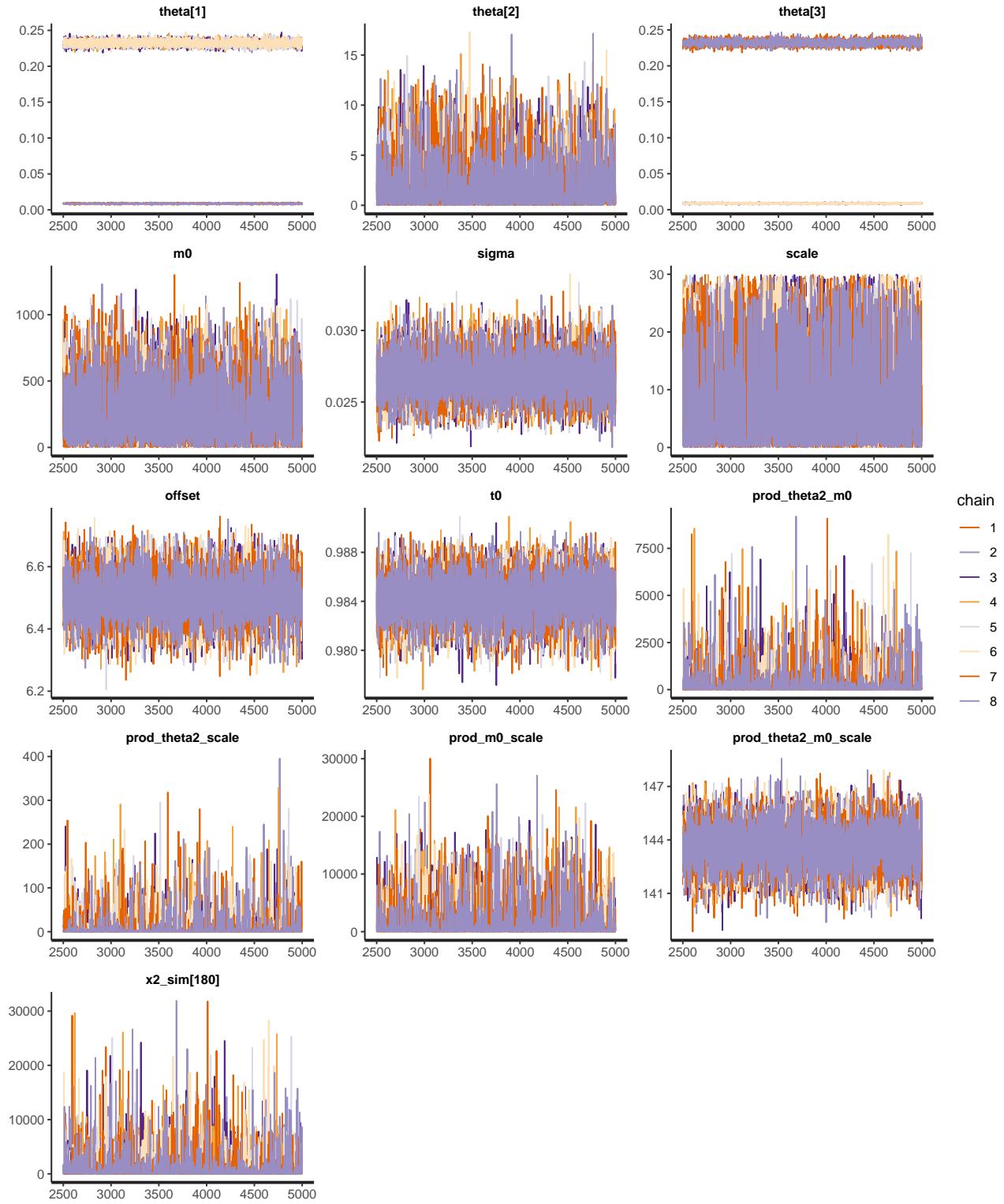
Tree depth:

0 of 20000 iterations saturated the maximum tree depth of 15.

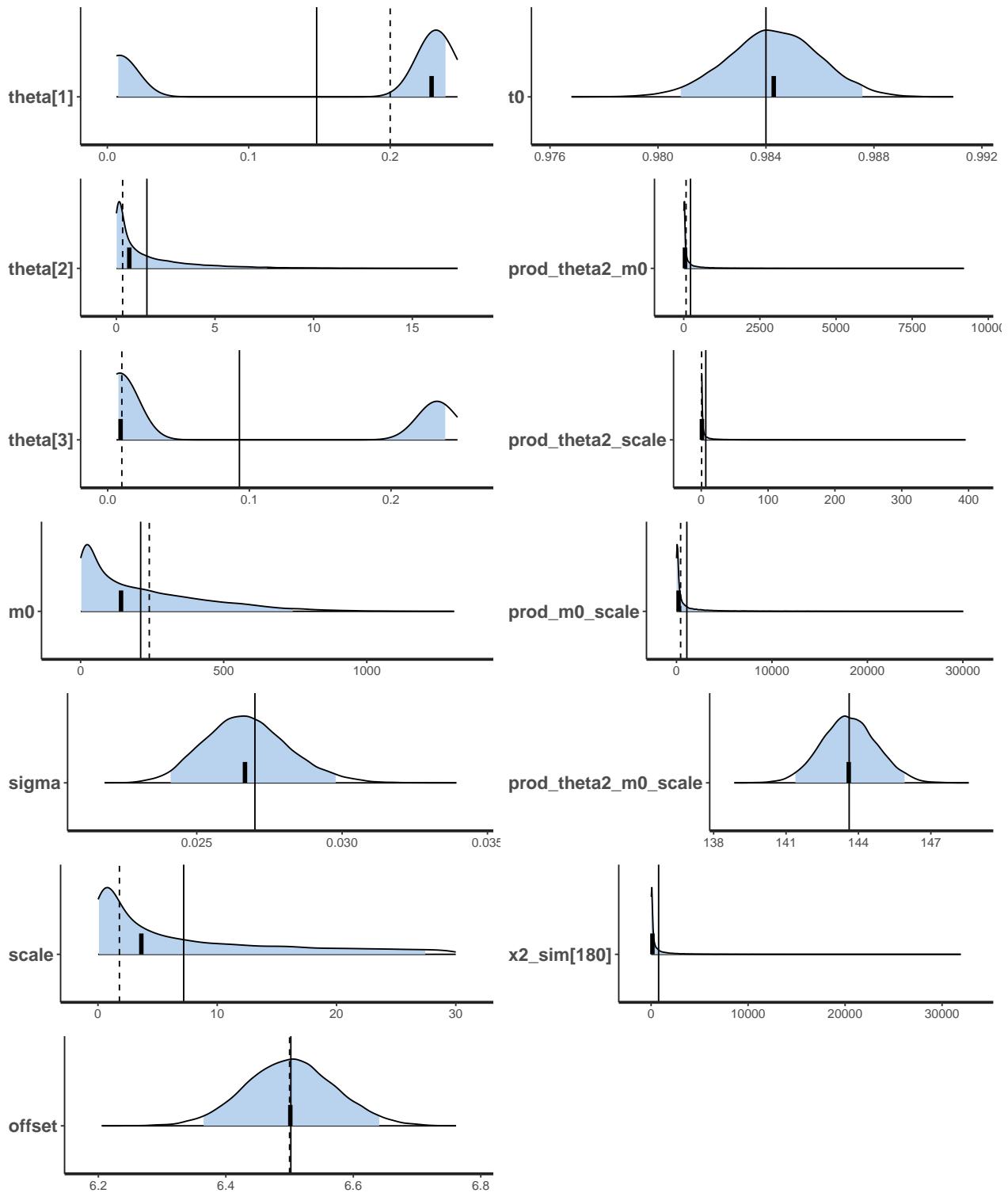
Energy:

E-BFMI indicated no pathological behavior.

Traceplots



Density plots with 95% CI, median (solid line), and if applicable true value (dashed line)



Pair plots

