

SUPPLEMENTARY MATERIALS

candidate function	time (hours)	residuals (microns)
q15	0	1.00741891316601
	24	1.51524752086694
	48	0.01239188537434
	96	-0.00015668932535
	336	5.19267462655532
	672	-5.38552666104281
	1344	-0.61376275424563
	2688	10.6411019193607
	5376	0.00019225790104

Table S1: Candidate function q15 (i = 1 and j = 5) residuals between experimental and predicted values.

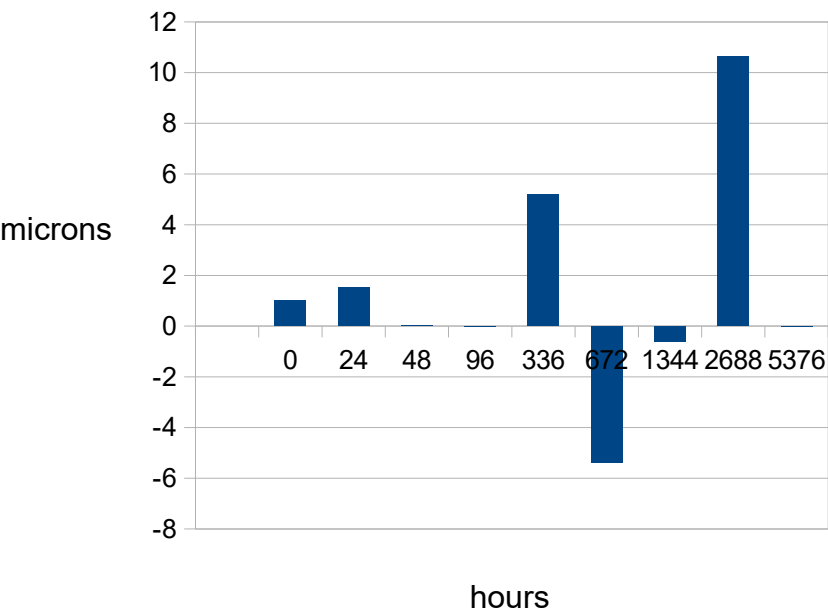


Figure S1: Candidate function q15 (i = 1 and j = 5) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q25	0	0.93
	24	-5.96
	48	-1.62
	96	2.79
	336	8.41
	672	-4.13
	1344	-3.61
	2688	2.54
	5376	0.04

Table S2: Candidate function q25 (  $i = 2$  and  $j = 5$  ) residuals between experimental and predicted values.

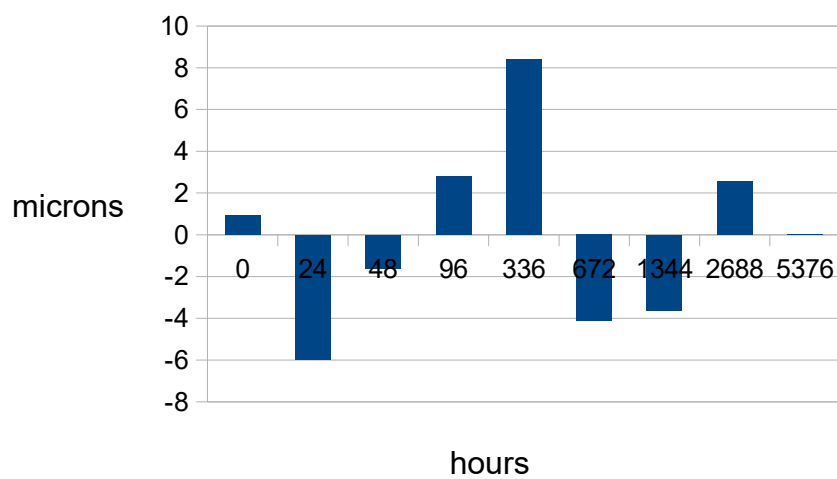


Figure S2: Candidate function q25 (  $i = 2$  and  $j = 5$  ) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q35	0	0.55
	24	0.04
	48	-0.57
	96	0.62
	336	4.95
	672	-4.17
	1344	0.54
	2688	-0.01
	5376	-0.04

Table S3: Candidate function q35 (  $i = 3$  and  $j = 5$  ) residuals between experimental and predicted values.

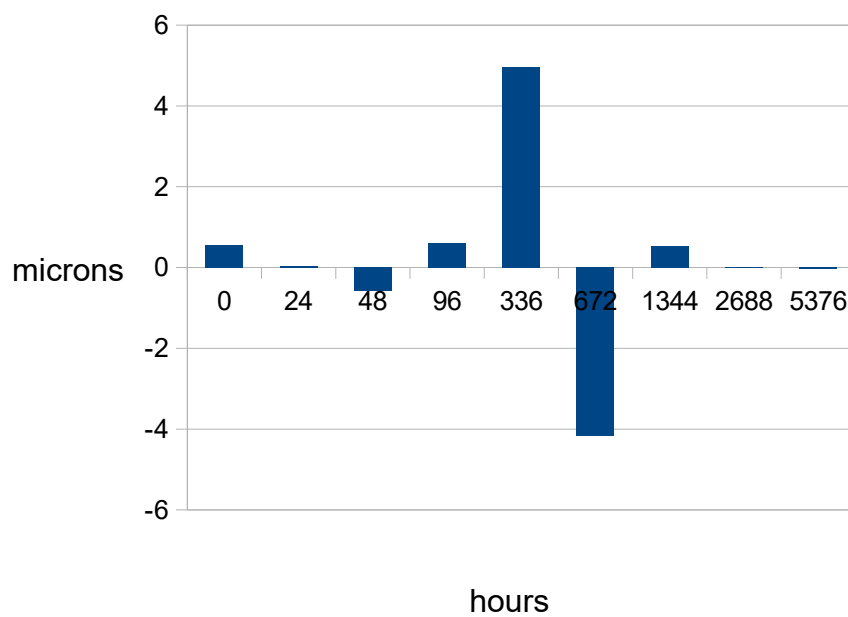


Figure S3: Candidate function q35 (  $i = 3$  and  $j = 5$  ) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q14	0	0.12
	24	0
	48	0.11
	96	-0.01
	336	3.21
	672	0
	1344	-5.52
	2688	5.46
	5376	-0.01

Table S4: Candidate function q14 (  $i = 1$  and  $j = 4$ ) residuals between experimental and predicted values.

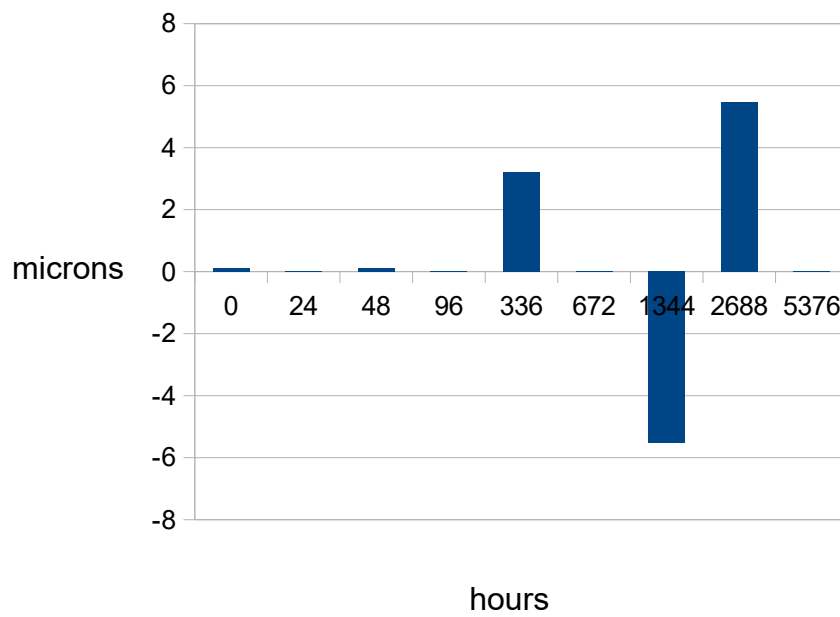


Figure S4: Candidate function q14 (  $i = 1$  and  $j = 4$ ) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q24	0	0.86
	24	-0.59
	48	0
	96	4.36
	336	9.65
	672	-3.66
	1344	-4.56
	2688	0
	5376	0

Table S5: Candidate function q24 (  $i = 2$  and  $j = 4$  ) residuals between experimental and predicted values.

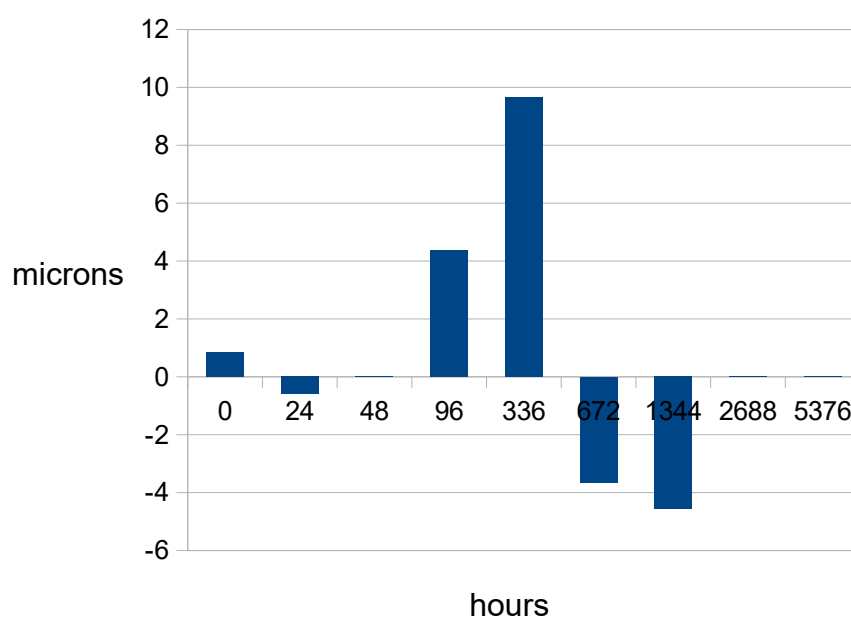


Figure S5: Candidate function q24 (  $i = 2$  and  $j = 4$  ) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q34	0	0.28
	24	0
	48	-1.14
	96	0
	336	4.47
	672	-4.68
	1344	-0.01
	2688	-0.02
	5376	-0.05

Table S6: Candidate function q34 (  $i = 3$  and  $j = 4$  ) residuals between experimental and predicted values.

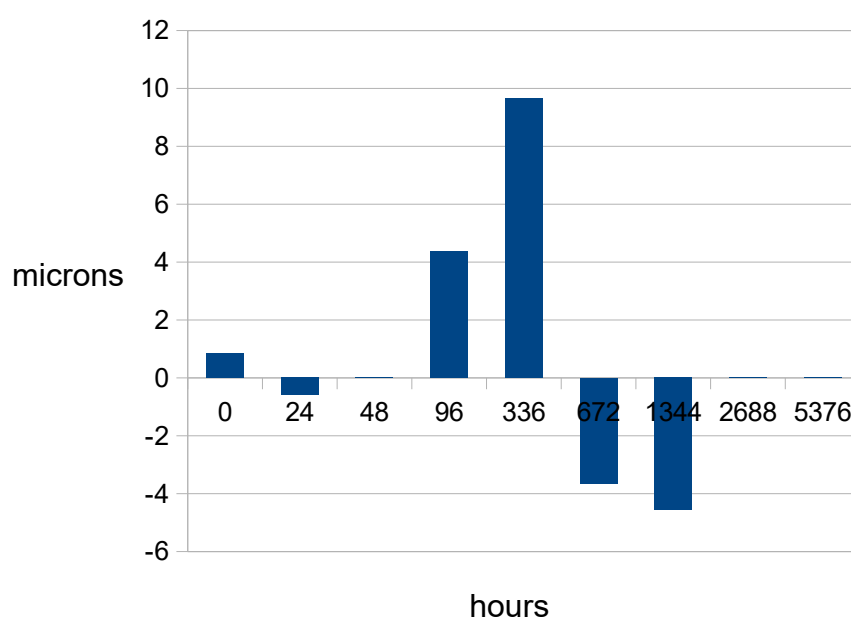


Figure S6: Candidate function q34 (  $i = 3$  and  $j = 4$  ) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q13	0	0.73
	24	0
	48	0
	96	2.45
	336	6.88
	672	-4.25
	1344	0.01
	2688	10.84
	5376	0.01

Table S7: Candidate function q13 (  $i = 1$  and  $j = 3$  ) residuals between experimental and predicted values.

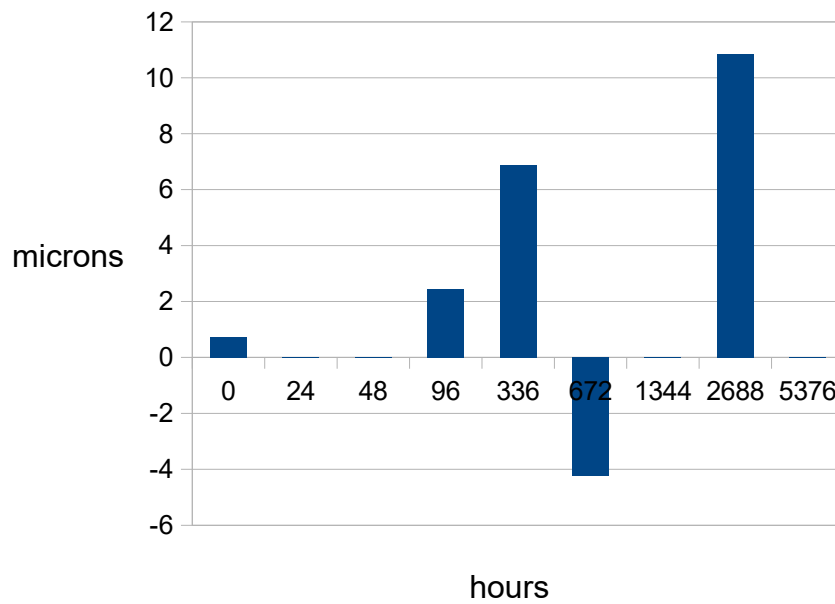


Figure S7: Candidate function q13 (  $i = 1$  and  $j = 3$  ) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q23	0	0.33
	24	0
	48	0
	96	1.47
	336	3.01
	672	-10.53
	1344	-9.24
	2688	0
	5376	0

Table S8: Candidate function q23 (  $i = 2$  and  $j = 3$  ) residuals between experimental and predicted values .

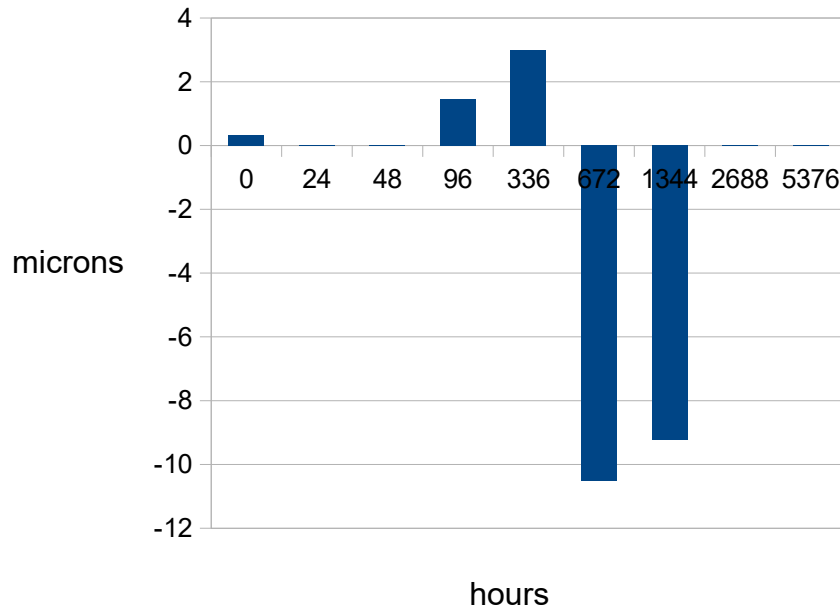


Figure S8: Candidate function q23 (  $i = 2$  and  $j = 3$  ) residuals between experimental and predicted values.



candidate function	time (hours)	residuals (microns)
q33	0	0.58
	24	-1.27
	48	3.59
	96	7.8
	336	11.41
	672	-2.25
	1344	-1.85
	2688	4.94
	5376	-0.78

Table S9: Candidate function q33 (  $i = 3$  and  $j = 3$  ) residuals between experimental and predicted values .

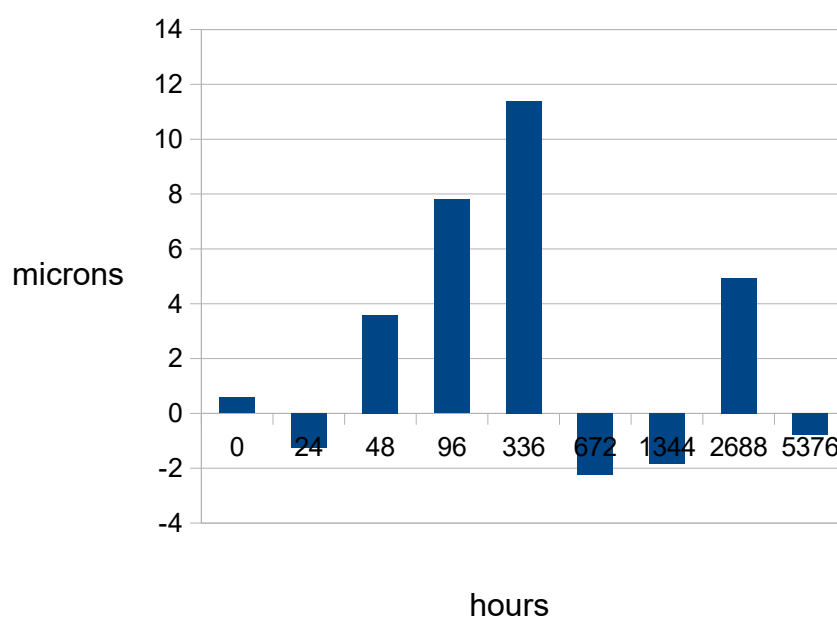


Figure S9: Candidate function q33 (  $i = 3$  and  $j = 3$  ) residuals between experimental and predicted values .

candidate function	time (hours)	residuals (microns)
q12	0	0
	24	-3.23
	48	0
	96	2.96
	336	7.25
	672	-4.07
	1344	0
	2688	10.74
	5376	-0.01

Table S10: Candidate function q12 ( i = 1 and j = 2) residuals between experimental and predicted values .

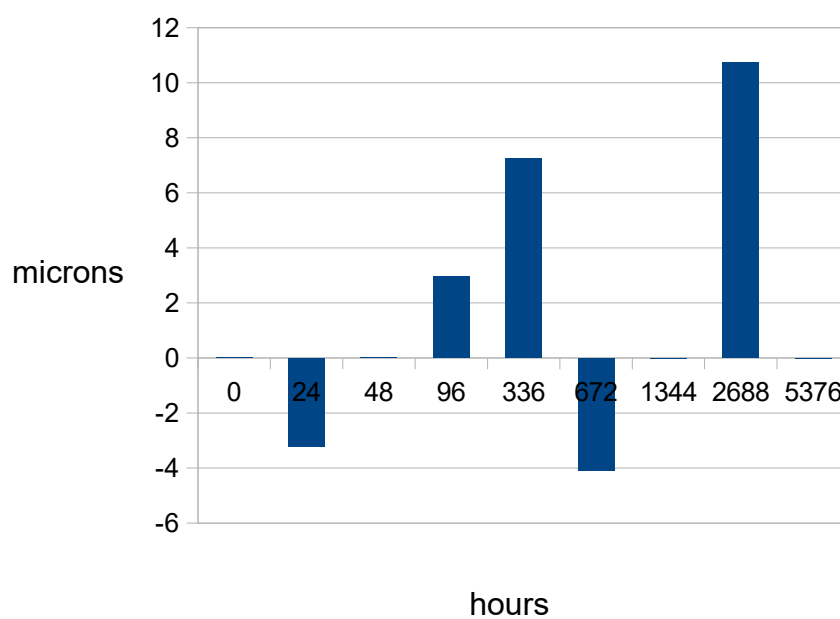


Figure S10: Candidate function q12 ( i = 1 and j = 2) residuals between experimental and predicted values ..

candidate function	time (hours)	residuals (microns)
q22	0	0
	24	-2.06
	48	2.85
	96	7.32
	336	11.71
	672	-2.33
	1344	-3.97
	2688	0.01
	5376	0.01

Table S11: Candidate function q22 (  $i = 2$  and  $j = 2$  ) residuals between experimental and predicted values.

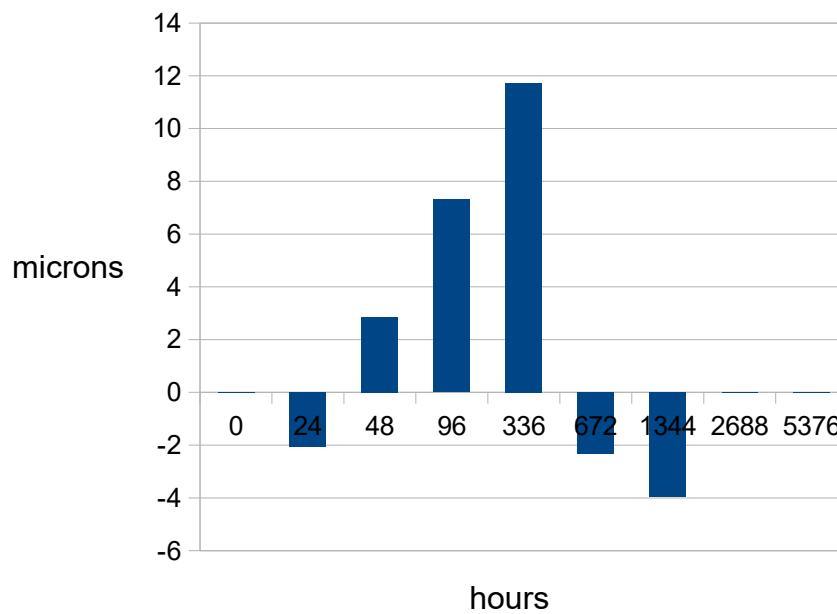


Figure S11: Candidate function q22 (  $i = 2$  and  $j = 2$  ) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q32	0	0
	24	-1.59
	48	3.55
	96	8.28
	336	13.36
	672	-0.01
	1344	-1.36
	2688	-0.01
	5376	0

Table S12: Candidate function q32 ( i = 3 and j = 2) residuals between experimental and predicted values.

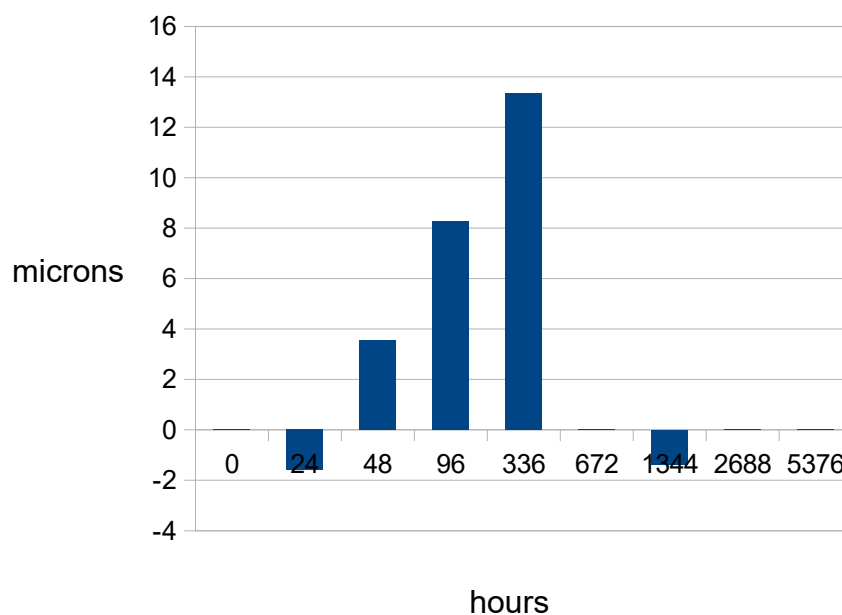


Figure S12: Candidate function q32 ( i = 3 and j = 2) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q11	0	0
	24	-2.61
	48	1.54
	96	4.46
	336	4.03
	672	-11.78
	1344	-11.34
	2688	0
	5376	0

Table S13: Candidate function q11 (  $i = 1$  and  $j = 1$  ) residuals between experimental and predicted values.

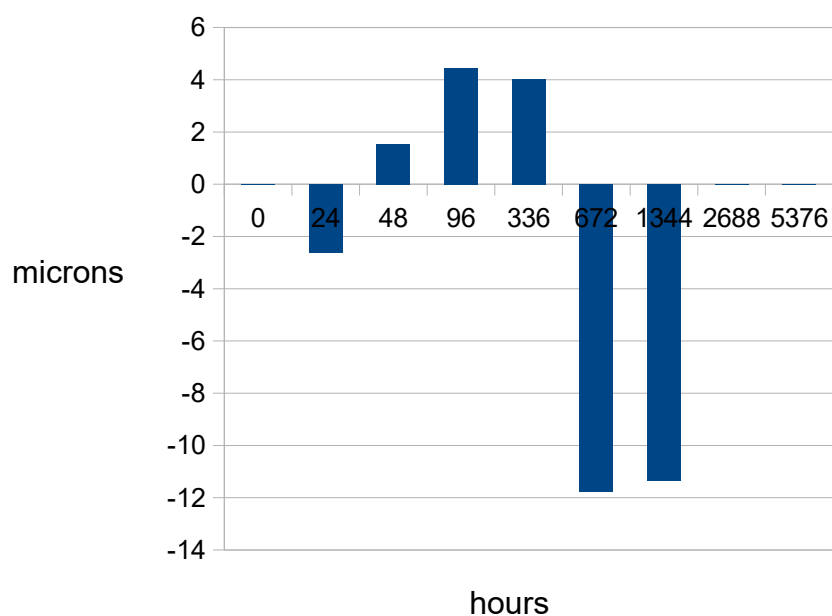


Figure S13: Candidate function q11 (  $i = 1$  and  $j = 1$  ) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q21	0	0
	24	-1.96
	48	3.02
	96	7.58
	336	12.13
	672	-1.93
	1344	-3.73
	2688	-0.02
	5376	-0.03

Table S14: Candidate function q21 (  $i = 2$  and  $j = 1$  ) residuals between experimental and predicted values.

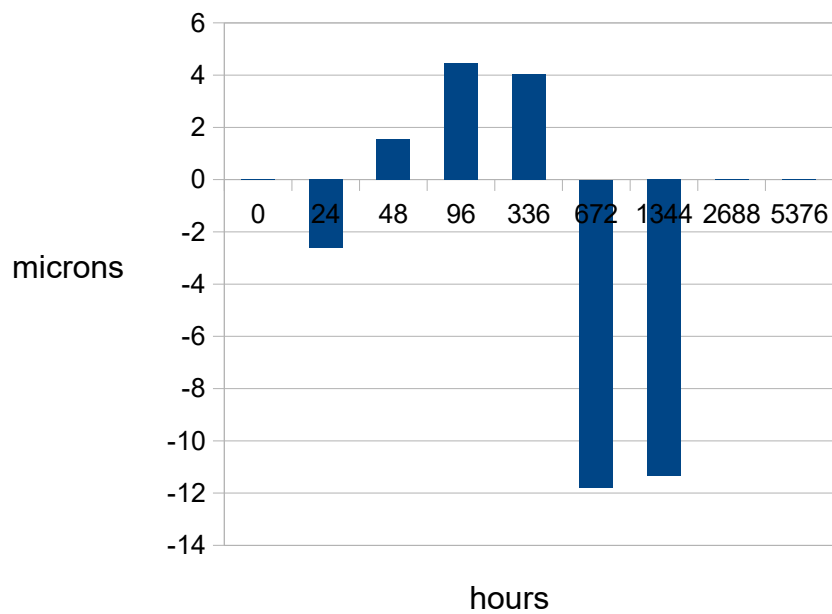


Figure S14: Candidate function q21 (  $i = 2$  and  $j = 1$  ) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q31	0	-0.49
	24	-1.31
	48	4.45
	96	10.11
	336	17.8
	672	6.33
	1344	7.08
	2688	10.42
	5376	12.57

Table S15: Candidate function q31 (  $i = 3$  and  $j = 1$  ) residuals between experimental and predicted values.

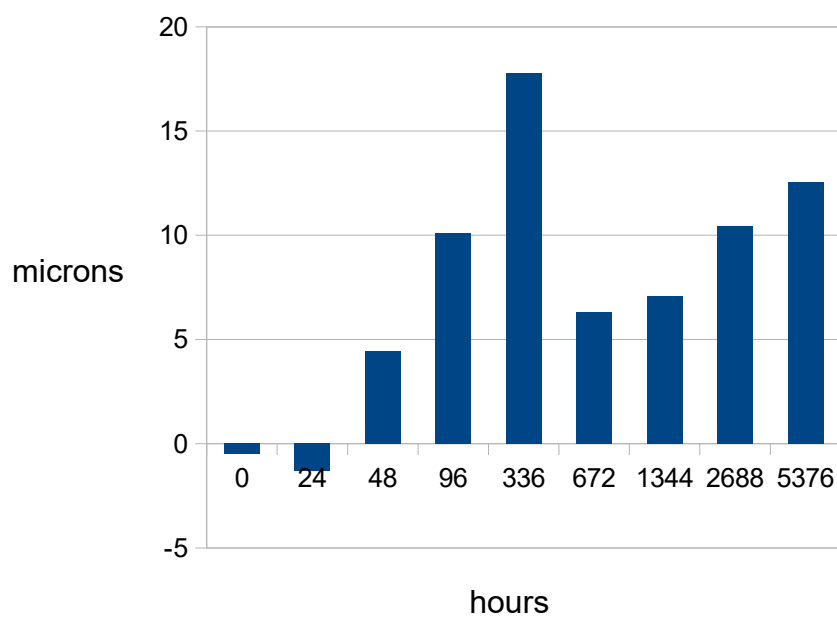


Figure S15: Candidate function q31 (  $i = 3$  and  $j = 1$  ) residuals between experimental and predicted values.

candidate function	time (hours)	residuals (microns)
q41	0	0.59
	24	-3.32
	48	0.65
	96	3.51
	336	2.63
	672	-11.24
	1344	0.01
	2688	-0.01
	5376	-0.38

Table S16: Candidate function q41 (  $i = 4$  and  $j = 1$  ) residuals between experimental and predicted values.

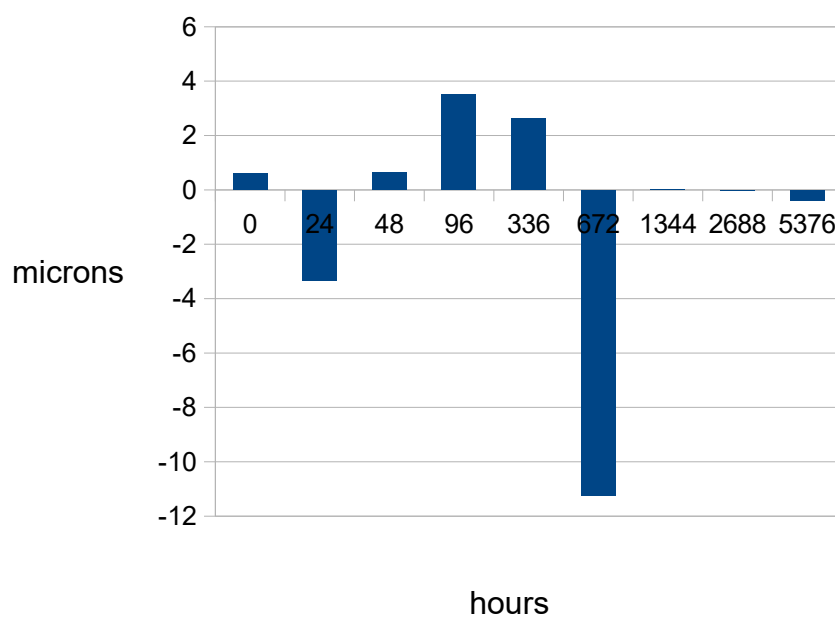


Figure S16: Candidate function q41 (  $i = 4$  and  $j = 1$  ) residuals between experimental and predicted values.