	Linear reg.	A	B	C	D	E
		Data Set-A	Data Set-B	Data Set-C	Data Set-D	Data Set-E
		Y	Y	Y	Y	Y
1	Best-fit values					
2	Slope	0.07164 ± 9.688e-005	0.04360 ± 0.001326	0.05099 ± 0.0006954	0.02553 ± 0.001281	0.02808 ± 0.0007682
3	Y-intercept when X=0.0	-0.002557 ± 0.0002948	0.0009893 ± 0.004036	0.02367 ± 0.002116	0.01684 ± 0.003899	0.02213 ± 0.002338
4	X-intercept when Y=0.0	0.03569	-0.02269	-0.4643	-0.6596	-0.7881
5	1/slope	13.96	22.93	19.61	39.17	35.61
6	95% Confidence Intervals					
7	Slope	0.07143 to 0.07185	0.04071 to 0.04649	0.04947 to 0.05251	0.02274 to 0.02832	0.02641 to 0.02976
8	Y-intercept when X=0.0	-0.003199 to -0.001914	-0.007805 to 0.009784	0.01906 to 0.02828	0.008344 to 0.02534	0.01704 to 0.02723
9	X-intercept when Y=0.0	0.02679 to 0.04454	-0.2380 to 0.1696	-0.5695 to -0.3645	-1.099 to -0.2987	-1.024 to -0.5767
10	Goodness of Fit					
11	R square	1.000	0.9890	0.9978	0.9707	0.9911
12	Sy.x	0.0005814	0.007960	0.004173	0.007690	0.004610
13	Is slope significantly non-zero?					
14	F	546825	1081	5377	396.9	1336
15	DFn, DFd	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00
16	P value	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
17	Deviation from zero?	Significant	Significant	Significant	Significant	Significant
18	Data					
19	Number of X values	14	14	14	14	14
20	Maximum number of Y replicates	1	1	1	1	1
21	Total number of values	14	14	14	14	14
22	Number of missing values	0	0	0	0	0
23						
24	Equation	Y = 0.07164*X - 0.002557	Y = 0.04360*X + 0.0009893	Y = 0.05099*X + 0.02367	Y = 0.02553*X + 0.01684	Y = 0.02808*X + 0.02213

	F
	Data Set-F
	Y
1	
2	0.01297 ± 0.0006346
3	0.01005 ± 0.001931
4	-0.7750
5	77.13
6	
7	0.01158 to 0.01435
8	0.005841 to 0.01426
9	-1.215 to -0.4124
10	
11	0.9721
12	0.003808
13	
14	417.4
15	1.000, 12.00
16	< 0.0001
17	Significant
18	
19	14
20	1
21	14
22	0
23	
24	Y = 0.01297*X + 0.01005

Linear reg.		A	B	C	D	E
		Data Set-A	Data Set-B	Data Set-C	Data Set-D	Data Set-E
		Y	Y	Y	Y	Y
1	Best-fit values					
2	Slope	0.1591 ± 0.0008034	0.07080 ± 0.001227	0.03142 ± 0.001228	0.03228 ± 0.001049	0.01895 ± 0.0009498
3	Y-intercept when X=0.0	-0.001642 ± 0.002445	-0.01867 ± 0.003733	0.0005333 ± 0.003736	0.004494 ± 0.003192	0.002496 ± 0.002890
4	X-intercept when Y=0.0	0.01032	0.2638	-0.01697	-0.1392	-0.1317
5	1/slope	6.284	14.12	31.82	30.98	52.76
6	95% Confidence Intervals					
7	Slope	0.1574 to 0.1609	0.06812 to 0.07347	0.02875 to 0.03410	0.02999 to 0.03457	0.01688 to 0.02102
8	Y-intercept when X=0.0	-0.006969 to 0.003685	-0.02681 to -0.01054	-0.007608 to 0.008675	-0.002461 to 0.01145	-0.003801 to 0.008793
9	X-intercept when Y=0.0	-0.02338 to 0.04338	0.1537 to 0.3671	-0.2979 to 0.2260	-0.3778 to 0.07194	-0.5126 to 0.1837
10	Goodness of Fit					
11	R square	0.9997	0.9964	0.9820	0.9875	0.9708
12	Sy.x	0.004822	0.007363	0.007369	0.006295	0.005700
13	Is slope significantly non-zero?					
14	F	39234	3330	654.8	946.9	398.3
15	DFn, DFd	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00
16	P value	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
17	Deviation from zero?	Significant	Significant	Significant	Significant	Significant
18	Data					
19	Number of X values	14	14	14	14	14
20	Maximum number of Y replicates	1	1	1	1	1
21	Total number of values	14	14	14	14	14
22	Number of missing values	0	0	0	0	0
23						
24	Equation	Y = 0.1591*X - 0.001642	Y = 0.07080*X - 0.01867	Y = 0.03142*X + 0.0005333	Y = 0.03228*X + 0.004494	Y = 0.01895*X + 0.002496

	F
	Data Set-F
	Y
1	
2	0.01229 ± 0.001497
3	0.002959 ± 0.004555
4	-0.2408
5	81.40
6	
7	0.009023 to 0.01555
8	-0.006967 to 0.01288
9	-1.376 to 0.4651
10	
11	0.8488
12	0.008984
13	
14	67.34
15	1.000, 12.00
16	< 0.0001
17	Significant
18	
19	14
20	1
21	14
22	0
23	
24	Y = 0.01229*X + 0.002959

Linear reg.		A	B	C	D	E
		Data Set-A	Data Set-B	Data Set-C	Data Set-D	Data Set-E
		Y	Y	Y	Y	Y
1	Best-fit values					
2	Slope	0.1182 ± 0.0002906	0.07319 ± 0.001314	0.04880 ± 0.0009746	0.03334 ± 0.001189	0.01881 ± 0.001010
3	Y-intercept when X=0.0	0.01556 ± 0.0008844	-0.01369 ± 0.003999	0.01120 ± 0.002965	0.009473 ± 0.003618	0.01020 ± 0.003072
4	X-intercept when Y=0.0	-0.1316	0.1871	-0.2296	-0.2842	-0.5423
5	1/slope	8.460	13.66	20.49	30.00	53.17
6	95% Confidence Intervals					
7	Slope	0.1176 to 0.1188	0.07033 to 0.07606	0.04667 to 0.05092	0.03074 to 0.03593	0.01661 to 0.02101
8	Y-intercept when X=0.0	0.01363 to 0.01748	-0.02241 to -0.004980	0.004741 to 0.01766	0.001590 to 0.01736	0.003506 to 0.01689
9	X-intercept when Y=0.0	-0.1486 to -0.1148	0.07037 to 0.2965	-0.3762 to -0.09368	-0.5585 to -0.04473	-1.002 to -0.1694
10	Goodness of Fit					
11	R square	0.9999	0.9961	0.9952	0.9850	0.9666
12	Sy.x	0.001744	0.007887	0.005849	0.007136	0.006059
13	Is slope significantly non-zero?					
14	F	165379	3101	2507	786.0	347.0
15	DFn, DFd	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00
16	P value	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
17	Deviation from zero?	Significant	Significant	Significant	Significant	Significant
18	Data					
19	Number of X values	14	14	14	14	14
20	Maximum number of Y replicates	1	1	1	1	1
21	Total number of values	14	14	14	14	14
22	Number of missing values	0	0	0	0	0
23						
24	Equation	Y = 0.1182*X + 0.01556	Y = 0.07319*X - 0.01369	Y = 0.04880*X + 0.01120	Y = 0.03334*X + 0.009473	Y = 0.01881*X + 0.01020

	F
	Data Set-F
	Y
1	
2	0.01388 ± 0.001123
3	-0.0003702 ± 0.003418
4	0.02668
5	72.06
6	
7	0.01143 to 0.01633
8	-0.007818 to 0.007078
9	-0.6029 to 0.4919
10	
11	0.9271
12	0.006741
13	
14	152.6
15	1.000, 12.00
16	< 0.0001
17	Significant
18	
19	14
20	1
21	14
22	0
23	
24	Y = 0.01388*X - 0.0003702

Linear reg.		A	B	C	D	E
		Data Set-A	Data Set-B	Data Set-C	Data Set-D	Data Set-E
		Y	Y	Y	Y	Y
1	Best-fit values					
2	Slope	0.3864 ± 0.01144	0.2818 ± 0.006330	0.1121 ± 0.002193	0.06376 ± 0.001053	0.05879 ± 0.0009666
3	Y-intercept when X=0.0	0.1608 ± 0.03482	0.1814 ± 0.01926	0.09839 ± 0.006673	0.07879 ± 0.003204	0.09700 ± 0.002941
4	X-intercept when Y=0.0	-0.4162	-0.6438	-0.8777	-1.236	-1.650
5	1/slope	2.588	3.548	8.921	15.68	17.01
6	95% Confidence Intervals					
7	Slope	0.3614 to 0.4113	0.2680 to 0.2956	0.1073 to 0.1169	0.06147 to 0.06606	0.05669 to 0.06090
8	Y-intercept when X=0.0	0.08495 to 0.2367	0.1395 to 0.2234	0.08384 to 0.1129	0.07180 to 0.08577	0.09059 to 0.1034
9	X-intercept when Y=0.0	-0.6493 to -0.2083	-0.8284 to -0.4747	-1.047 to -0.7210	-1.390 to -1.091	-1.818 to -1.493
10	Goodness of Fit					
11	R square	0.9896	0.9940	0.9954	0.9967	0.9968
12	Sy.x	0.06868	0.03798	0.01316	0.006319	0.005801
13	Is slope significantly non-zero?					
14	F	1140	1983	2612	3667	3700
15	DFn, DFd	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00
16	P value	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
17	Deviation from zero?	Significant	Significant	Significant	Significant	Significant
18	Data					
19	Number of X values	14	14	14	14	14
20	Maximum number of Y replicates	1	1	1	1	1
21	Total number of values	14	14	14	14	14
22	Number of missing values	0	0	0	0	0
23						
24	Equation	Y = 0.3864*X + 0.1608	Y = 0.2818*X + 0.1814	Y = 0.1121*X + 0.09839	Y = 0.06376*X + 0.07879	Y = 0.05879*X + 0.09700

	F
	Data Set-F
	Y
1	
2	0.03101 ± 0.001005
3	0.02180 ± 0.003059
4	-0.7029
5	32.24
6	
7	0.02882 to 0.03320
8	0.01513 to 0.02846
9	-0.9790 to -0.4598
10	
11	0.9875
12	0.006033
13	
14	951.8
15	1.000, 12.00
16	< 0.0001
17	Significant
18	
19	14
20	1
21	14
22	0
23	
24	Y = 0.03101*X + 0.02180

Linear reg.		A	B	C	D	E
		Data Set-A	Data Set-B	Data Set-C	Data Set-D	Data Set-E
		Y	Y	Y	Y	Y
1	Best-fit values					
2	Slope	0.4501 ± 0.01162	0.5091 ± 0.01371	0.2339 ± 0.004354	0.1073 ± 0.002112	0.04579 ± 0.0009809
3	Y-intercept when X=0.0	0.1288 ± 0.03535	0.1505 ± 0.04172	0.09509 ± 0.01325	0.06564 ± 0.006425	0.02259 ± 0.002984
4	X-intercept when Y=0.0	-0.2862	-0.2956	-0.4066	-0.6117	-0.4934
5	1/slope	2.222	1.964	4.276	9.319	21.84
6	95% Confidence Intervals					
7	Slope	0.4248 to 0.4754	0.4792 to 0.5389	0.2244 to 0.2434	0.1027 to 0.1119	0.04365 to 0.04792
8	Y-intercept when X=0.0	0.05176 to 0.2058	0.05957 to 0.2414	0.06622 to 0.1240	0.05164 to 0.07964	0.01609 to 0.02909
9	X-intercept when Y=0.0	-0.4808 to -0.1097	-0.4997 to -0.1114	-0.5494 to -0.2736	-0.7712 to -0.4639	-0.6625 to -0.3378
10	Goodness of Fit					
11	R square	0.9921	0.9914	0.9959	0.9954	0.9945
12	Sy.x	0.06972	0.08228	0.02613	0.01267	0.005886
13	Is slope significantly non-zero?					
14	F	1501	1378	2886	2583	2179
15	DFn, DFd	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00
16	P value	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
17	Deviation from zero?	Significant	Significant	Significant	Significant	Significant
18	Data					
19	Number of X values	14	14	14	14	14
20	Maximum number of Y replicates	1	1	1	1	1
21	Total number of values	14	14	14	14	14
22	Number of missing values	0	0	0	0	0
23						
24	Equation	Y = 0.4501*X + 0.1288	Y = 0.5091*X + 0.1505	Y = 0.2339*X + 0.09509	Y = 0.1073*X + 0.06564	Y = 0.04579*X + 0.02259

	F
	Data Set-F
	Y
1	
2	0.02179 ± 0.0009333
3	0.01002 ± 0.002840
4	-0.4599
5	45.89
6	
7	0.01976 to 0.02382
8	0.003833 to 0.01621
9	-0.8105 to -0.1629
10	
11	0.9785
12	0.005601
13	
14	545.1
15	1.000, 12.00
16	< 0.0001
17	Significant
18	
19	14
20	1
21	14
22	0
23	
24	Y = 0.02179*X + 0.01002

Linear reg.		A	B	C	D	E
		Data Set-A	Data Set-B	Data Set-C	Data Set-D	Data Set-E
		Y	Y	Y	Y	Y
1	Best-fit values					
2	Slope	0.4892 ± 0.01358	0.5476 ± 0.009536	0.3227 ± 0.01005	0.1831 ± 0.004784	0.08982 ± 0.003603
3	Y-intercept when X=0.0	0.2547 ± 0.04131	0.1362 ± 0.02902	0.2093 ± 0.03057	0.09519 ± 0.01456	0.07984 ± 0.01096
4	X-intercept when Y=0.0	-0.5207	-0.2488	-0.6485	-0.5199	-0.8889
5	1/slope	2.044	1.826	3.098	5.461	11.13
6	95% Confidence Intervals					
7	Slope	0.4596 to 0.5188	0.5268 to 0.5684	0.3008 to 0.3446	0.1727 to 0.1935	0.08197 to 0.09767
8	Y-intercept when X=0.0	0.1647 to 0.3448	0.07299 to 0.1994	0.1427 to 0.2759	0.06347 to 0.1269	0.05596 to 0.1037
9	X-intercept when Y=0.0	-0.7442 to -0.3200	-0.3766 to -0.1291	-0.9094 to -0.4176	-0.7295 to -0.3304	-1.252 to -0.5788
10	Goodness of Fit					
11	R square	0.9908	0.9964	0.9885	0.9919	0.9811
12	Sy.x	0.08147	0.05723	0.06029	0.02871	0.02162
13	Is slope significantly non-zero?					
14	F	1298	3298	1032	1465	621.6
15	DFn, DFd	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00	1.000, 12.00
16	P value	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
17	Deviation from zero?	Significant	Significant	Significant	Significant	Significant
18	Data					
19	Number of X values	14	14	14	14	14
20	Maximum number of Y replicates	1	1	1	1	1
21	Total number of values	14	14	14	14	14
22	Number of missing values	0	0	0	0	0
23						
24	Equation	Y = 0.4892*X + 0.2547	Y = 0.5476*X + 0.1362	Y = 0.3227*X + 0.2093	Y = 0.1831*X + 0.09519	Y = 0.08982*X + 0.07984

	F
	Data Set-F
	Y
1	
2	0.03943 ± 0.001295
3	0.02716 ± 0.003940
4	-0.6888
5	25.36
6	
7	0.03661 to 0.04225
8	0.01857 to 0.03574
9	-0.9677 to -0.4435
10	
11	0.9872
12	0.007771
13	
14	927.3
15	1.000, 12.00
16	< 0.0001
17	Significant
18	
19	14
20	1
21	14
22	0
23	
24	Y = 0.03943*X + 0.02716

Transform		X	A	B	C	D	E	F
		X Title	278	283	288	293	298	303
		X	Y	Y	Y	Y	Y	Y
1		0.002				0.000006	0.000008	0.000008
2		0.001	268499e-007	0.000001	0.000001	0.000005	0.000008	0.000009
3		0.001	499065e-007	237796e-007	134049e-007	0.000002	0.000004	0.000005
4		2.500e-004	254957e-007	379815e-007	555556e-007	0.000001	0.000002	0.000003
5		1.250e-004	680333e-007	158959e-007	134600e-007	798158e-007	631258e-007	0.000001
6		6.250e-005	160854e-007	047502e-007	312888e-007	169562e-007	631873e-007	572029e-007

	Nonlin fit	A	B	C	D	E	F
		278	283	288	293	298	303
		Y	Y	Y	Y	Y	Y
1	kcat						
2	Best-fit values						
3	Et	= 1.000e-008	= 1.000e-008	= 1.000e-008	= 1.000e-008	= 1.000e-008	= 1.000e-008
4	kcat	89.00	192.4	203.0	1551	1243	1090
5	Km	0.0001567	0.0006350	0.0006811	0.002759	0.001276	0.0006155
6	Vmax	= 8.900e-007	= 1.924e-006	= 2.030e-006	= 1.551e-005	= 1.243e-005	= 1.090e-005
7	Goodness of Fit						
8	Robust Sum of Squares	1.266	4.600	1.193	1.711	4.541	3.947
9	RSDR	1.809e-007	4.188e-008	6.150e-008	5.873e-007	5.515e-007	6.114e-007
10	Constraints						
11	Et	Et = 1.000e-008	Et = 1.000e-008	Et = 1.000e-008	Et = 1.000e-008	Et = 1.000e-008	Et = 1.000e-008
12	kcat	kcat > 0.0	kcat > 0.0	kcat > 0.0	kcat > 0.0	kcat > 0.0	kcat > 0.0
13	Km	Km > 0.0	Km > 0.0	Km > 0.0	Km > 0.0	Km > 0.0	Km > 0.0
14							
15	Number of points						
16	Analyzed	5	5	5	6	6	6

Transform		X	A
		1/T	ln(kcat)
		X	Y
1		0.004	4.489
2		0.004	5.260
3		0.003	5.313
4		0.003	7.347
5		0.003	7.125
6		0.003	6.994

Linear reg.		A
		ln(kcat)
		Y
1	Best-fit values	
2	Slope	-9760 ± 2427
3	Y-intercept when X=0.0	39.71 ± 8.364
4	X-intercept when Y=0.0	0.004069
5	1/slope	-0.0001025
6	95% Confidence Intervals	
7	Slope	-16496 to -3024
8	Y-intercept when X=0.0	16.50 to 62.93
9	X-intercept when Y=0.0	0.003809 to 0.005464
10	Goodness of Fit	
11	R square	0.8018
12	Sy.x	0.6025
13	Is slope significantly non-zero?	
14	F	16.18
15	DFn, DFd	1.000, 4.000
16	P value	0.0158
17	Deviation from zero?	Significant
18	Data	
19	Number of X values	6
20	Maximum number of Y replicates	1
21	Total number of values	6
22	Number of missing values	0
23		
24	Equation	Y = -9760*X + 39.71