

Mortality data

Enzyme data

input mixture	\$ treat	\$ rep	dead0h	total dead	dead48h	dead	mortalit	@;	input mix	\$ treat	\$ rep	enzyme	\$ ActiFold	@;
cards;									cards;					
CK-1	H2O	1	0	25	0	0	0.0000		mix0	CK	1	GST	1.166826	
CK-2	H2O	2	2	23	2	0	0.0000		mix0	CK	2	GST	0.957383	
CK-3	H2O	3	5	20	5	0	0.0000		mix0	CK	3	GST	0.875792	
AdvBra	Advi274B	1	2	23	5	3	0.1304		mix0	2ck	1	GST	1.166826	
AdvBra	Advi274B	2	0	25	6	6	0.2400		mix0	2ck	2	GST	0.957383	
AdvBra	Advi274B	3	0	25	3	3	0.1200		mix0	2ck	3	GST	0.875792	
AdvBra	Brack91	1	3	22	10	7	0.3182		mix0	3ck	1	GST	1.166826	
AdvBra	Brack91	2	0	25	11	11	0.4400		mix0	3ck	2	GST	0.957383	
AdvBra	Brack91	3	1	24	7	6	0.2500		mix0	3ck	3	GST	0.875792	
AdvBra	AdviBrack	1	0	25	20	20	0.8000		mixb	AdviB	1	GST	0.836928	
AdvBra	AdviBrack	2	0	25	16	16	0.6400		mixb	AdviB	2	GST	0.828455	
AdvBra	AdviBrack	3	0	25	9	9	0.3600		mixb	AdviB	3	GST	0.946929	
AdvKar	Advi274K	1	2	23	5	3	0.1304		mixb	Brac	1	GST	0.931212	
AdvKar	Advi274K	2	0	25	6	6	0.2400		mixb	Brac	2	GST	1.025762	
AdvKar	Advi274K	3	0	25	3	3	0.1200		mixb	Brac	3	GST	1.063434	
AdvKar	Karat273	1	0	25	0	0	0.0000		mixb	AdviBrac	1	GST	0.892903	
AdvKar	Karat273	2	1	24	2	1	0.0417		mixb	AdviBrac	2	GST	0.837479	
AdvKar	Karat273	3	1	24	1	0	0.0000		mixb	AdviBrac	3	GST	0.919398	
AdvKar	AdviKara	1	1	24	2	1	0.0417		mixk	AdviK	1	GST	0.836928	
AdvKar	AdviKara	2	0	25	8	8	0.3200		mixk	AdviK	2	GST	0.828455	
AdvKar	AdviKara	3	0	25	7	7	0.2800		mixk	AdviK	3	GST	0.946929	
AdvVyd	Advi274V	1	2	23	5	3	0.1304		mixk	Kara	1	GST	0.827258	
AdvVyd	Advi274V	2	0	25	6	6	0.2400		mixk	Kara	2	GST	0.909855	
AdvVyd	Advi274V	3	0	25	3	3	0.1200		mixk	Kara	3	GST	0.833765	
AdvVyd	Vydat162	1	4	21	10	6	0.2857		mixk	AdviKara	1	GST	0.98348	
AdvVyd	Vydat162	2	1	24	4	3	0.1250		mixk	AdviKara	2	GST	0.865213	
AdvVyd	Vydat162	3	4	21	6	2	0.0952		mixk	AdviKara	3	GST	0.999091	
AdvVyd	AdviVyda	1	0	25	13	13	0.5200		mixv	AdviV	1	GST	0.836928	
AdvVyd	AdviVyda	2	1	24	12	11	0.4583		mixv	AdviV	2	GST	0.828455	
AdvVyd	AdviVyda	3	2	23	20	18	0.7826		mixv	AdviV	3	GST	0.946929	
AdvDom	Advi274D	1	2	23	5	3	0.1304		mixv	Vyda	1	GST	1.0678	
AdvDom	Advi274D	2	0	25	6	6	0.2400		mixv	Vyda	2	GST	1.044419	
AdvDom	Advi274D	3	0	25	3	3	0.1200		mixv	Vyda	3	GST	0.975777	
AdvDom	Doma2500	1	1	24	4	3	0.1250		mixv	AdviVyda	1	GST	0.862423	
AdvDom	Doma2500	2	2	23	2	0	0.0000		mixv	AdviVyda	2	GST	0.860549	
AdvDom	Doma2500	3	2	23	2	0	0.0000		mixv	AdviVyda	3	GST	0.892603	
AdvDom	AdviDoma	1	1	24	8	7	0.2917		mixd	AdviD	1	GST	0.836928	
AdvDom	AdviDoma	2	0	25	8	8	0.3200		mixd	AdviD	2	GST	0.828455	
AdvDom	AdviDoma	3	3	22	16	13	0.5909		mixd	AdviD	3	GST	0.946929	
AdvRou	Advi274R	1	2	23	5	3	0.1304		mixd	Doma	1	GST	0.780117	
AdvRou	Advi274R	2	0	25	6	6	0.2400		mixd	Doma	2	GST	0.938525	
AdvRou	Advi274R	3	0	25	3	3	0.1200		mixd	Doma	3	GST	1.055103	
AdvRou	Roun2500	1	0	25	0	0	0.0000		mixd	AdviDom:	1	GST	1.124188	
AdvRou	Roun2500	2	0	25	0	0	0.0000		mixd	AdviDom:	2	GST	0.991731	

AdvRou	Roun2500	3	0	25	0	0	0.0000	mixd	AdviDom:	3	GST	0.965243
AdvRou	AdviRoun	1	0	25	8	8	0.3200	mixr	AdviR	1	GST	0.836928
AdvRou	AdviRoun	2	1	24	1	0	0.0000	mixr	AdviR	2	GST	0.828455
AdvRou	AdviRoun	3	3	22	5	2	0.0909	mixr	AdviR	3	GST	0.946929
AdvBel	Adv274BL	1	2	23	5	3	0.1304	mixr	Roun	1	GST	1.078726
AdvBel	Adv274BL	2	0	25	6	6	0.2400	mixr	Roun	2	GST	0.902525
AdvBel	Adv274BL	3	0	25	3	3	0.1200	mixr	Roun	3	GST	0.931402
AdvBel	Belay40	1	1	24	2	1	0.0417	mixr	AdviRoun	1	GST	0.8559
AdvBel	Belay40	2	0	25	5	5	0.2000	mixr	AdviRoun	2	GST	0.940512
AdvBel	Belay40	3	2	23	6	4	0.1739	mixr	AdviRoun	3	GST	0.907553
AdvBel	AdviBela	1	1	24	9	8	0.3333	mixbl	AdviBL	1	GST	0.836928
AdvBel	AdviBela	2	1	24	9	8	0.3333	mixbl	AdviBL	2	GST	0.828455
AdvBel	AdviBela	3	0	25	4	4	0.1600	mixbl	AdviBL	3	GST	0.946929
AdvTra	Advi274T	1	2	23	5	3	0.1304	mixbl	Bela	1	GST	0.991218
AdvTra	Advi274T	2	0	25	6	6	0.2400	mixbl	Bela	2	GST	1.014612
AdvTra	Advi274T	3	0	25	3	3	0.1200	mixbl	Bela	3	GST	1.079115
AdvTra	Trans117	1	0	25	1	1	0.0400	mixbl	AdviBela	1	GST	0.957951
AdvTra	Trans117	2	0	25	4	4	0.1600	mixbl	AdviBela	2	GST	1.148515
AdvTra	Trans117	3	1	24	2	1	0.0417	mixbl	AdviBela	3	GST	1.00907
AdvTra	AdviTran	1	2	23	14	12	0.5217	mixt	AdviT	1	GST	0.836928
AdvTra	AdviTran	2	0	25	10	10	0.4000	mixt	AdviT	2	GST	0.828455
AdvTra	AdviTran	3	2	23	8	6	0.2609	mixt	AdviT	3	GST	0.946929
Adv8Pest	Advi2748	1	2	23	5	3	0.1304	mixt	Tran	1	GST	0.884647
Adv8Pest	Advi2748	2	0	25	6	6	0.2400	mixt	Tran	2	GST	0.883413
Adv8Pest	Advi2748	3	0	25	3	3	0.1200	mixt	Tran	3	GST	0.900054
Adv8Pest	8Pestici	1	0	25	25	25	1.0000	mixt	AdviTran	1	GST	0.98443
Adv8Pest	8Pestici	2	2	23	25	23	1.0000	mixt	AdviTran	2	GST	0.997147
Adv8Pest	8Pestici	3	0	25	25	25	1.0000	mixt	AdviTran	3	GST	0.915281
Adv8Pest	Pestic8	1	0	25	25	25	1.0000	mix0	CK	1	Est	1.04318
Adv8Pest	Pestic8	2	2	23	25	23	1.0000	mix0	CK	2	Est	1.04472
Adv8Pest	Pestic8	3	0	25	25	25	1.0000	mix0	CK	3	Est	0.9121
run;								mix0	2ck	1	Est	1.04318
								mix0	2ck	2	Est	1.04472
								mix0	2ck	3	Est	0.9121
Specific inhibition data								mix0	3ck	1	Est	1.04318
input treat \$ rep mixture \$ mortalit @; cards;								mix0	3ck	2	Est	1.04472
control	1 CK		0					mix0	3ck	3	Est	0.9121
control	2 CK		0					mixb	AdviB	1	Est	0.900738
control	3 CK		0					mixb	AdviB	2	Est	0.908683
control	4 CK		0					mixb	AdviB	3	Est	1.044496
control	5 CK		0					mixb	Brac	1	Est	0.651975
acetone	1 CK	4.35						mixb	Brac	2	Est	0.509723
acetone	2 CK		0					mixb	Brac	3	Est	0.644935
acetone	3 CK		0					mixb	AdviBrac	1	Est	0.578792
acetone	4 CK		0					mixb	AdviBrac	2	Est	0.562499
acetone	5 CK		0					mixb	AdviBrac	3	Est	0.515803
AdviseP	1 PBO		4					mixk	AdviK	1	Est	0.900738

AdviseP	2 PBO	24	mixk	AdviK	2 Est	0.908683
AdviseP	3 PBO	8	mixk	AdviK	3 Est	1.044496
AdviseP	4 PBO	12	mixk	Kara	1 Est	1.158624
AdviseP	5 PBO	16.7	mixk	Kara	2 Est	0.970594
PBO	1 PBO	0	mixk	Kara	3 Est	1.059393
PBO	2 PBO	0	mixk	AdviKara	1 Est	1.006303
PBO	3 PBO	0	mixk	AdviKara	2 Est	0.918429
PBO	4 PBO	0	mixk	AdviKara	3 Est	1.042259
PBO	5 PBO	4	mixv	AdviV	1 Est	0.900738
AdviPBO	1 PBO	64	mixv	AdviV	2 Est	0.908683
AdviPBO	2 PBO	81.6	mixv	AdviV	3 Est	1.044496
AdviPBO	3 PBO	88	mixv	Vyda	1 Est	1.039329
AdviPBO	4 PBO	100	mixv	Vyda	2 Est	1.106371
AdviPBO	5 PBO	64	mixv	Vyda	3 Est	1.009599
AdviseT	1 TPP	4	mixv	AdviVyda	1 Est	0.945079
AdviseT	2 TPP	24	mixv	AdviVyda	2 Est	0.7402
AdviseT	3 TPP	8	mixv	AdviVyda	3 Est	0.936306
AdviseT	4 TPP	12	mixd	AdviD	1 Est	0.900738
AdviseT	5 TPP	16.7	mixd	AdviD	2 Est	0.908683
TPP	1 TPP	0	mixd	AdviD	3 Est	1.044496
TPP	2 TPP	0	mixd	Doma	1 Est	0.944395
TPP	3 TPP	0	mixd	Doma	2 Est	1.00909
TPP	4 TPP	0	mixd	Doma	3 Est	0.950976
TPP	5 TPP	0	mixd	AdviDom:	1 Est	1.282564
AdviTPP	1 TPP	8	mixd	AdviDom:	2 Est	1.419606
AdviTPP	2 TPP	12	mixd	AdviDom:	3 Est	1.124493
AdviTPP	3 TPP	24	mixr	AdviR	1 Est	0.900738
AdviTPP	4 TPP	12	mixr	AdviR	2 Est	0.908683
AdviTPP	5 TPP	4.17	mixr	AdviR	3 Est	1.044496
AdviseD	1 DEM	4	mixr	Roun	1 Est	1.229198
AdviseD	2 DEM	24	mixr	Roun	2 Est	1.172149
AdviseD	3 DEM	8	mixr	Roun	3 Est	1.01334
AdviseD	4 DEM	12	mixr	AdviRoun	1 Est	1.109334
AdviseD	5 DEM	16.7	mixr	AdviRoun	2 Est	1.184475
DEM	1 DEM	0	mixr	AdviRoun	3 Est	1.18101
DEM	2 DEM	0	mixbl	AdviBL	1 Est	0.900738
DEM	3 DEM	0	mixbl	AdviBL	2 Est	0.908683
DEM	4 DEM	0	mixbl	AdviBL	3 Est	1.044496
DEM	5 DEM	0	mixbl	Bela	1 Est	1.136229
AdviDEM	1 DEM	12	mixbl	Bela	2 Est	1.00292
AdviDEM	2 DEM	4.17	mixbl	Bela	3 Est	1.138533
AdviDEM	3 DEM	4	mixbl	AdviBela	1 Est	1.380168
AdviDEM	4 DEM	0	mixbl	AdviBela	2 Est	1.473234
AdviDEM	5 DEM	8.7	mixbl	AdviBela	3 Est	1.17191
run;			mixt	AdviT	1 Est	0.900738
			mixt	AdviT	2 Est	0.908683
			mixt	AdviT	3 Est	1.044496

mixt	Tran	1 Est	1.102876
mixt	Tran	2 Est	1.093489
mixt	Tran	3 Est	1.049073
mixt	AdviTran	1 Est	1.073706
mixt	AdviTran	2 Est	1.242451
mixt	AdviTran	3 Est	1.159836
mix0	CK	1 AChE	1.104855
mix0	CK	2 AChE	1.01478
mix0	CK	3 AChE	0.880365
mix0	2ck	1 AChE	1.104855
mix0	2ck	2 AChE	1.01478
mix0	2ck	3 AChE	0.880365
mix0	3ck	1 AChE	1.104855
mix0	3ck	2 AChE	1.01478
mix0	3ck	3 AChE	0.880365
mixb	AdviB	1 AChE	0.922264
mixb	AdviB	2 AChE	0.955662
mixb	AdviB	3 AChE	1.022142
mixb	Brac	1 AChE	0.518259
mixb	Brac	2 AChE	0.438243
mixb	Brac	3 AChE	0.567404
mixb	AdviBrac	1 AChE	0.453453
mixb	AdviBrac	2 AChE	0.424103
mixb	AdviBrac	3 AChE	0.375142
mixk	AdviK	1 AChE	0.922264
mixk	AdviK	2 AChE	0.955662
mixk	AdviK	3 AChE	1.022142
mixk	Kara	1 AChE	0.999904
mixk	Kara	2 AChE	0.987559
mixk	Kara	3 AChE	1.012239
mixk	AdviKara	1 AChE	1.120917
mixk	AdviKara	2 AChE	0.882109
mixk	AdviKara	3 AChE	0.93918
mixv	AdviV	1 AChE	0.922264
mixv	AdviV	2 AChE	0.955662
mixv	AdviV	3 AChE	1.022142
mixv	Vyda	1 AChE	1.082095
mixv	Vyda	2 AChE	1.083049
mixv	Vyda	3 AChE	0.962919
mixv	AdviVyda	1 AChE	0.976266
mixv	AdviVyda	2 AChE	0.620053
mixv	AdviVyda	3 AChE	1.063125
mixd	AdviD	1 AChE	0.922264
mixd	AdviD	2 AChE	0.955662
mixd	AdviD	3 AChE	1.022142
mixd	Doma	1 AChE	0.975979
mixd	Doma	2 AChE	1.098239

mixd	Doma	3 AChE	1.135435
mixd	AdviDom:	1 AChE	1.222034
mixd	AdviDom:	2 AChE	1.192153
mixd	AdviDom:	3 AChE	1.004005
mixr	AdviR	1 AChE	0.922264
mixr	AdviR	2 AChE	0.955662
mixr	AdviR	3 AChE	1.022142
mixr	Roun	1 AChE	1.141109
mixr	Roun	2 AChE	1.103434
mixr	Roun	3 AChE	0.978342
mixr	AdviRoun	1 AChE	0.918632
mixr	AdviRoun	2 AChE	1.037766
mixr	AdviRoun	3 AChE	1.003027
mixbl	AdviBL	1 AChE	0.922264
mixbl	AdviBL	2 AChE	0.955662
mixbl	AdviBL	3 AChE	1.022142
mixbl	Bela	1 AChE	1.057557
mixbl	Bela	2 AChE	1.072632
mixbl	Bela	3 AChE	1.109905
mixbl	AdviBela	1 AChE	0.965369
mixbl	AdviBela	2 AChE	1.101466
mixbl	AdviBela	3 AChE	0.86446
mixt	AdviT	1 AChE	0.922264
mixt	AdviT	2 AChE	0.955662
mixt	AdviT	3 AChE	1.022142
mixt	Tran	1 AChE	0.830135
mixt	Tran	2 AChE	0.956967
mixt	Tran	3 AChE	0.834796
mixt	AdviTran	1 AChE	0.979376
mixt	AdviTran	2 AChE	1.076134
mixt	AdviTran	3 AChE	0.969853
mix0	CK	1 PO	1.035769
mix0	CK	2 PO	0.887642
mix0	CK	3 PO	1.076589
mix0	2ck	1 PO	1.035769
mix0	2ck	2 PO	0.887642
mix0	2ck	3 PO	1.076589
mix0	3ck	1 PO	1.035769
mix0	3ck	2 PO	0.887642
mix0	3ck	3 PO	1.076589
mixb	AdviB	1 PO	1.037107
mixb	AdviB	2 PO	0.633852
mixb	AdviB	3 PO	0.813969
mixb	Brac	1 PO	0.715258
mixb	Brac	2 PO	1.249049
mixb	Brac	3 PO	0.793034
mixb	AdviBrac	1 PO	1.151625

mixb	AdviBrac	2 PO	0.88436
mixb	AdviBrac	3 PO	0.685348
mixk	AdviK	1 PO	1.037107
mixk	AdviK	2 PO	0.633852
mixk	AdviK	3 PO	0.813969
mixk	Kara	1 PO	1.210676
mixk	Kara	2 PO	1.358588
mixk	Kara	3 PO	1.081273
mixk	AdviKara	1 PO	1.49986
mixk	AdviKara	2 PO	1.019844
mixk	AdviKara	3 PO	1.171686
mixv	AdviV	1 PO	1.037107
mixv	AdviV	2 PO	0.633852
mixv	AdviV	3 PO	0.813969
mixv	Vyda	1 PO	1.256939
mixv	Vyda	2 PO	0.872083
mixv	Vyda	3 PO	1.079628
mixv	AdviVyda	1 PO	0.746742
mixv	AdviVyda	2 PO	0.365168
mixv	AdviVyda	3 PO	0.368815
mixd	AdviD	1 PO	1.037107
mixd	AdviD	2 PO	0.633852
mixd	AdviD	3 PO	0.813969
mixd	Doma	1 PO	0.829428
mixd	Doma	2 PO	0.903781
mixd	Doma	3 PO	0.691093
mixd	AdviDom:	1 PO	0.756975
mixd	AdviDom:	2 PO	0.504047
mixd	AdviDom:	3 PO	1.053665
mixr	AdviR	1 PO	1.037107
mixr	AdviR	2 PO	0.633852
mixr	AdviR	3 PO	0.813969
mixr	Roun	1 PO	0.839719
mixr	Roun	2 PO	1.008924
mixr	Roun	3 PO	1.585287
mixr	AdviRoun	1 PO	0.7068
mixr	AdviRoun	2 PO	1.021506
mixr	AdviRoun	3 PO	0.962446
mixbl	AdviBL	1 PO	1.037107
mixbl	AdviBL	2 PO	0.633852
mixbl	AdviBL	3 PO	0.813969
mixbl	Bela	1 PO	0.958831
mixbl	Bela	2 PO	1.292614
mixbl	Bela	3 PO	1.124852
mixbl	AdviBela	1 PO	0.758043
mixbl	AdviBela	2 PO	1.209121
mixbl	AdviBela	3 PO	0.970108

mixt	AdviT	1 PO	1.037107
mixt	AdviT	2 PO	0.633852
mixt	AdviT	3 PO	0.813969
mixt	Tran	1 PO	0.73229
mixt	Tran	2 PO	0.739077
mixt	Tran	3 PO	0.799622
mixt	AdviTran	1 PO	1.35822
mixt	AdviTran	2 PO	0.69619
mixt	AdviTran	3 PO	0.870368
mix0	CK	1 INV	0.960366
mix0	CK	2 INV	0.965512
mix0	CK	3 INV	1.074122
mix0	2ck	1 INV	0.960366
mix0	2ck	2 INV	0.965512
mix0	2ck	3 INV	1.074122
mix0	3ck	1 INV	0.960366
mix0	3ck	2 INV	0.965512
mix0	3ck	3 INV	1.074122
mixb	AdviB	1 INV	0.875327
mixb	AdviB	2 INV	1.369971
mixb	AdviB	3 INV	1.432082
mixb	Brac	1 INV	1.851257
mixb	Brac	2 INV	1.563688
mixb	Brac	3 INV	1.148929
mixb	AdviBrac	1 INV	1.243135
mixb	AdviBrac	2 INV	1.038341
mixb	AdviBrac	3 INV	1.275285
mixk	AdviK	1 INV	0.875327
mixk	AdviK	2 INV	1.369971
mixk	AdviK	3 INV	1.432082
mixk	Kara	1 INV	0.779818
mixk	Kara	2 INV	1.327239
mixk	Kara	3 INV	1.326776
mixk	AdviKara	1 INV	1.665061
mixk	AdviKara	2 INV	1.071374
mixk	AdviKara	3 INV	1.452618
mixv	AdviV	1 INV	0.875327
mixv	AdviV	2 INV	1.369971
mixv	AdviV	3 INV	1.432082
mixv	Vyda	1 INV	1.0715
mixv	Vyda	2 INV	1.460921
mixv	Vyda	3 INV	1.471176
mixv	AdviVyda	1 INV	0.931914
mixv	AdviVyda	2 INV	1.124848
mixv	AdviVyda	3 INV	1.064632
mixd	AdviD	1 INV	0.875327
mixd	AdviD	2 INV	1.369971

mixd	AdviD	3	INV	1.432082
mixd	Doma	1	INV	0.908655
mixd	Doma	2	INV	0.878113
mixd	Doma	3	INV	1.149408
mixd	AdviDom:	1	INV	1.356537
mixd	AdviDom:	2	INV	1.051919
mixd	AdviDom:	3	INV	1.352098
mixr	AdviR	1	INV	0.875327
mixr	AdviR	2	INV	1.369971
mixr	AdviR	3	INV	1.432082
mixr	Roun	1	INV	1.227438
mixr	Roun	2	INV	1.101355
mixr	Roun	3	INV	0.754275
mixr	AdviRoun	1	INV	1.032561
mixr	AdviRoun	2	INV	1.205157
mixr	AdviRoun	3	INV	1.17944
mixbl	AdviBL	1	INV	0.875327
mixbl	AdviBL	2	INV	1.369971
mixbl	AdviBL	3	INV	1.432082
mixbl	Bela	1	INV	1.059717
mixbl	Bela	2	INV	1.451362
mixbl	Bela	3	INV	1.058425
mixbl	AdviBela	1	INV	1.066759
mixbl	AdviBela	2	INV	1.272521
mixbl	AdviBela	3	INV	1.48816
mixt	AdviT	1	INV	0.875327
mixt	AdviT	2	INV	1.369971
mixt	AdviT	3	INV	1.432082
mixt	Tran	1	INV	1.140373
mixt	Tran	2	INV	1.300494
mixt	Tran	3	INV	1.249976
mixt	AdviTran	1	INV	1.230278
mixt	AdviTran	2	INV	1.151975
mixt	AdviTran	3	INV	0.903975

run;