

ASSAY: AEID2494 (NHEERL\_MEA\_dev\_firing\_rate\_mean\_dn)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36467572

HILL MODEL (in red):

	tp	ga	gw
val:	73.8	-0.0954	2.84
sd:	11.3	0.127	4.3

GAIN-LOSS MODEL (in blue):

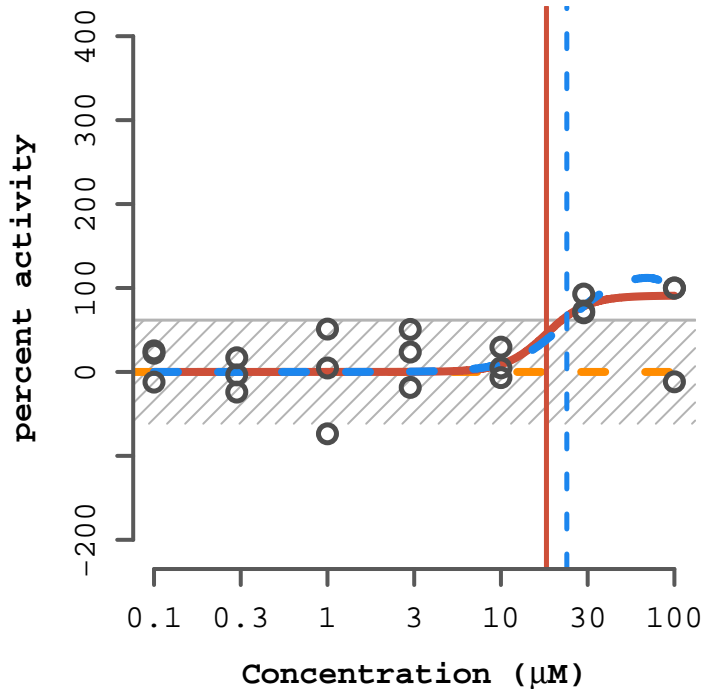
	tp	ga	gw	la	lw
val:	73.8	-0.0954	2.84	3.28	17.9
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	244.56	221.53	225.53
PROB:	0	0.88	0.12
RMSE:	77.76	58.39	58.39

MAX\_MEAN: 81.8 MAX\_MED: 100 BMAD: 20.6

COFF: 61.7 HIT-CALL: 1 FITC: 37 ACTP: 1

FLAGS: 11



ASSAY: AEID2494 (NHEERL\_MEA\_dev\_firing\_rate\_mean\_dn)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36467614

HILL MODEL (in red):

	tp	ga	gw
val:	91	1.26	3.66
sd:	17.3	0.155	2.3

GAIN-LOSS MODEL (in blue):

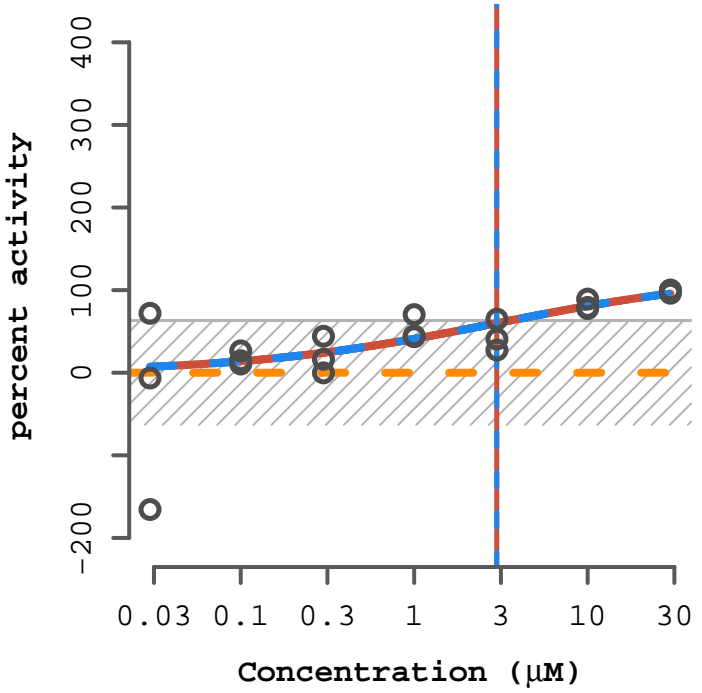
	tp	ga	gw	la	lw
val:	120	1.38	2.79	2.07	7.65
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	227.25	213.27	217.25
PROB:	0	0.88	0.12
RMSE:	50.53	34.74	34.7

MAX\_MEAN: 78.6 MAX\_MED: 100 BMAD: 20.6

COFF: 61.7 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2496 (NHEERL\_MEA\_dev\_burst\_rate\_dn)

NAME: Malathion  
CHID: 20791 CASRN: 121-75-5  
SPID(S): EPAPLT0167G08  
M4ID: 36467944

HILL MODEL (in red):

	tp	ga	gw
val:	120	0.476	0.598
sd:	30.1	0.471	0.187

GAIN-LOSS MODEL (in blue):

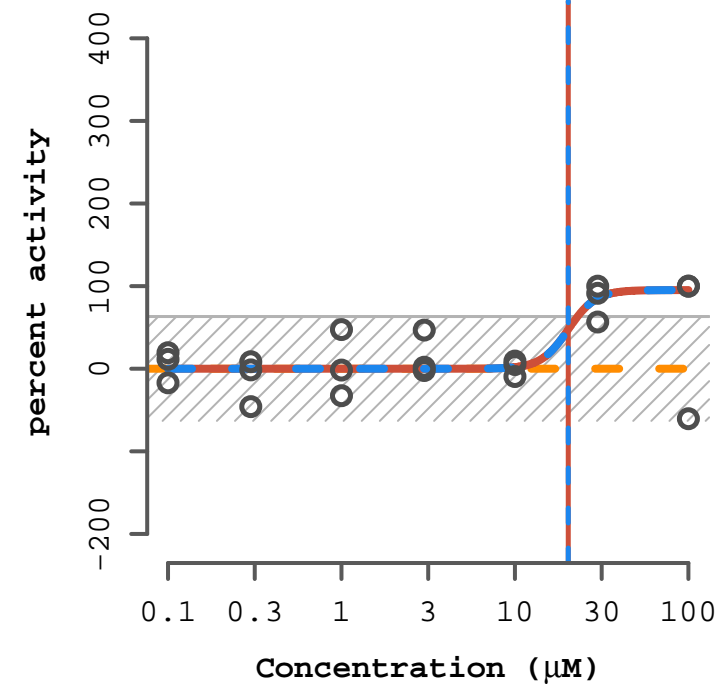
	tp	ga	gw	la	lw
val:	120	0.476	0.598	2.64	5.86
sd:	30.1	0.471	0.187	262	1320

	CNST	HILL	GNLS
AIC:	241.46	205.56	209.56
PROB:	0	0.88	0.12
RMSE:	69.31	42.48	42.49

MAX\_MEAN: 98.8      MAX\_MED: 100      BMAD: 21.1

COFF: 63.2      HIT-CALL: 1      FITC: 42      ACTP: 1

FLAGS:



ASSAY: AEID2496 (NHEERL\_MEA\_dev\_burst\_rate\_dn)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36468033

HILL MODEL (in red):

	tp	ga	gw
val:	95.2	1.31	5.51
sd:	13.2	0.194	5.64

GAIN-LOSS MODEL (in blue):

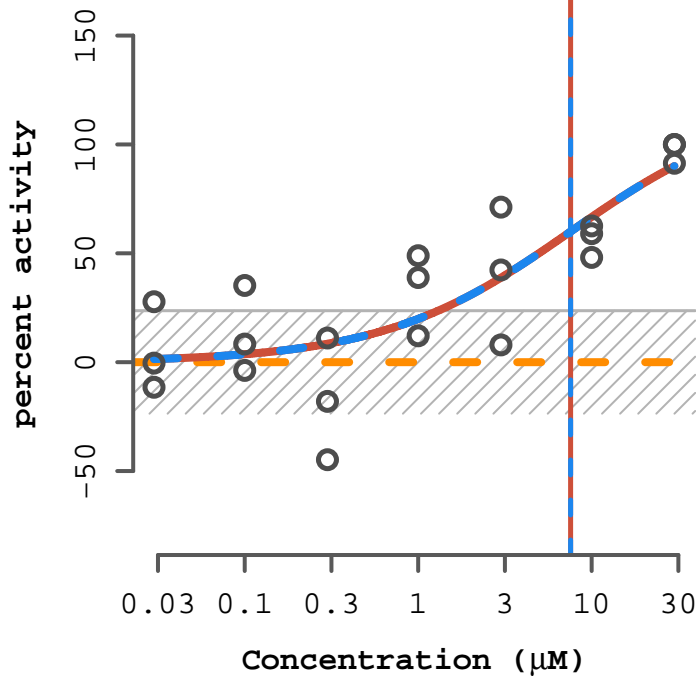
	tp	ga	gw	la	lw
val:	95.2	1.31	5.51	2.35	14.2
sd:	13	0.194	5.64	16.6	1480

	CNST	HILL	GNLS
AIC:	226.7	210.47	214.47
PROB:	0	0.88	0.12
RMSE:	50.66	40.26	40.26

MAX\_MEAN: 82.6 MAX\_MED: 100 BMAD: 21.1

COFF: 63.2 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2498 (NHEERL\_MEA\_dev\_active\_electrodes\_num)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36468513

HILL MODEL (in red):

	tp	ga	gw
val:	120	0.879	0.799
sd:	38.3	0.435	0.271

GAIN-LOSS MODEL (in blue):

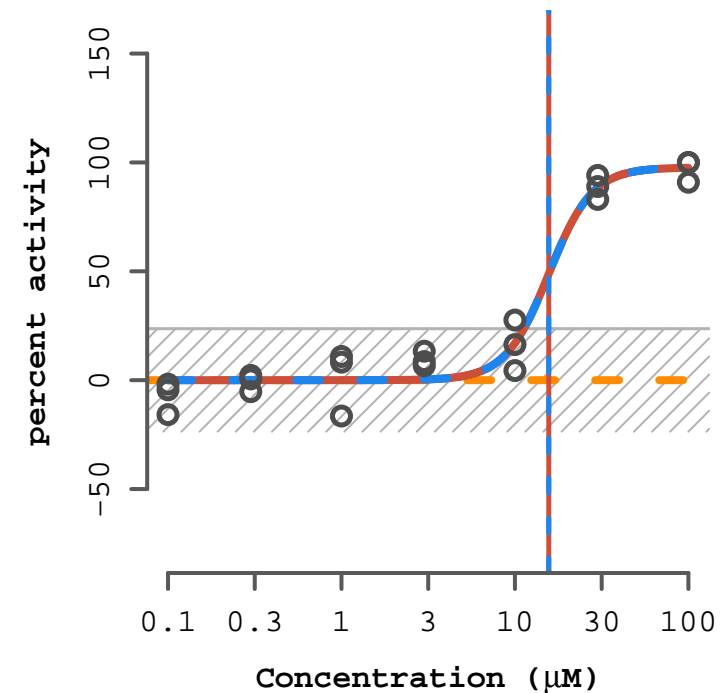
	tp	ga	gw	la	lw
val:	120	0.879	0.799	3.46	7.56
sd:	38.3	0.435	0.271	424000	891000

	CNST	HILL	GNLS
AIC:	228	196.35	200.35
PROB:	0	0.88	0.12
RMSE:	50.58	21.13	21.13

MAX\_MEAN: 97.1 MAX\_MED: 100 BMAD: 7.88

COFF: 23.6 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS:



ASSAY: AEID2498 (NHEERL\_MEA\_dev\_active\_electrodes\_num)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36468557

HILL MODEL (in red):

	tp	ga	gw
val:	97.7	1.2	3.47
sd:	4.28	0.0471	0.748

GAIN-LOSS MODEL (in blue):

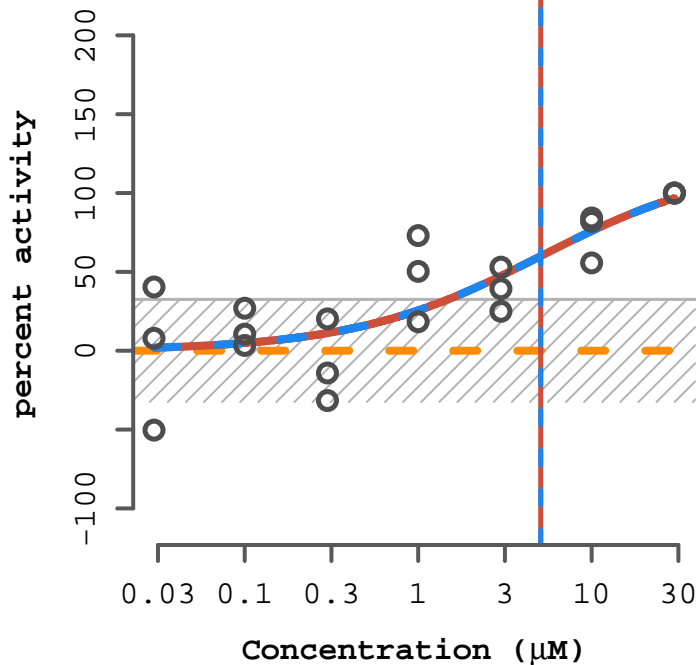
	tp	ga	gw	la	lw
val:	97.7	1.2	3.47	2.81	12.5
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	225.01	158.13	162.13
PROB:	0	0.88	0.12
RMSE:	50.72	8.25	8.25

MAX\_MEAN: 97 MAX\_MED: 100 BMAD: 7.88

COFF: 23.6 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2500 (NHEERL\_MEA\_dev\_bursting\_electrodes\_m

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36468929

HILL MODEL (in red):

	tp	ga	gw
val:	120	0.706	0.803
sd:	32.1	0.374	0.319

GAIN-LOSS MODEL (in blue):

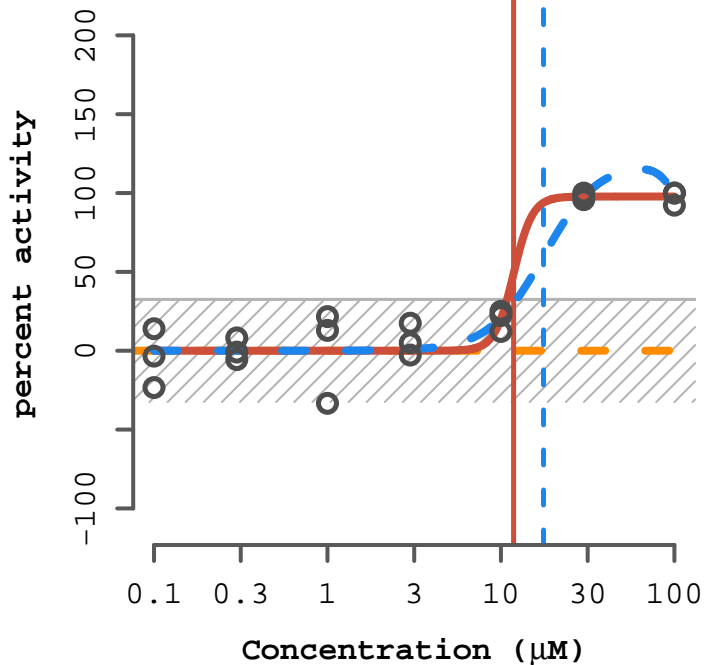
	tp	ga	gw	la	lw
val:	120	0.707	0.803	2.32	9.15
sd:	32.1	0.374	0.319	547	5930

	CNST	HILL	GNLS
AIC:	233.29	199.72	203.72
PROB:	0	0.88	0.12
RMSE:	56.4	23.29	23.29

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 10.8

COFF: 32.5 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS:



ASSAY: AEID2500 (NHEERL\_MEA\_dev\_bursting\_electrodes\_m

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36469086

HILL MODEL (in red):

	tp	ga	gw
val:	97.8	1.07	8
sd:	NaN	NaN	NaN

GAIN-LOSS MODEL (in blue):

	tp	ga	gw	la	lw
val:	120	1.25	2.78	2.1	6.28
sd:	92	0.397	3	0.0792	17.8

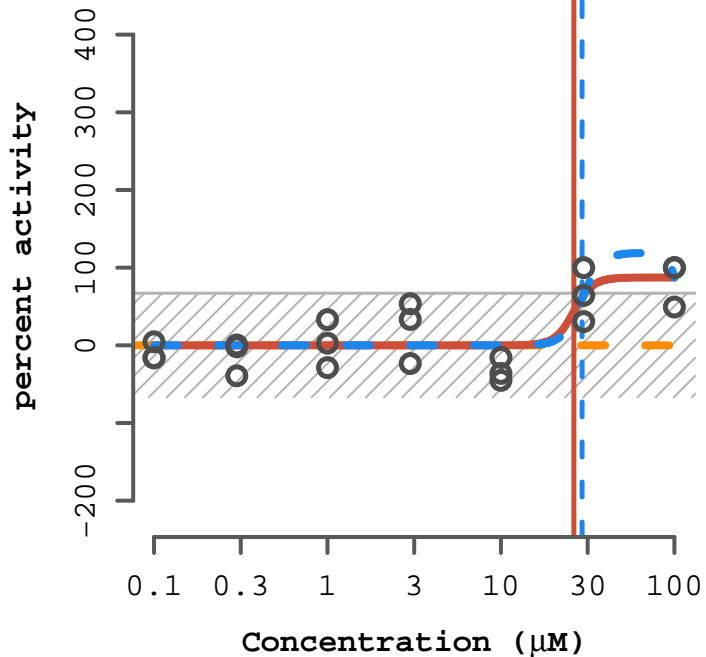
	CNST	HILL	GNLS
AIC:	228.65	170.13	173.83
PROB:	0	0.86	0.14
RMSE:	54.12	12.1	12.04

MAX\_MEAN: 97.9 MAX\_MED: 100 BMAD: 10.8

COFF: 32.5 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:





ASSAY: AEID2502 (NHEERL\_MEA\_dev\_per\_burst\_interspike\_)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36469399

HILL MODEL (in red):

	tp	ga	gw
val:	87.3	1.42	8
sd:	16.6	0.114	13.3

GAIN-LOSS MODEL (in blue):

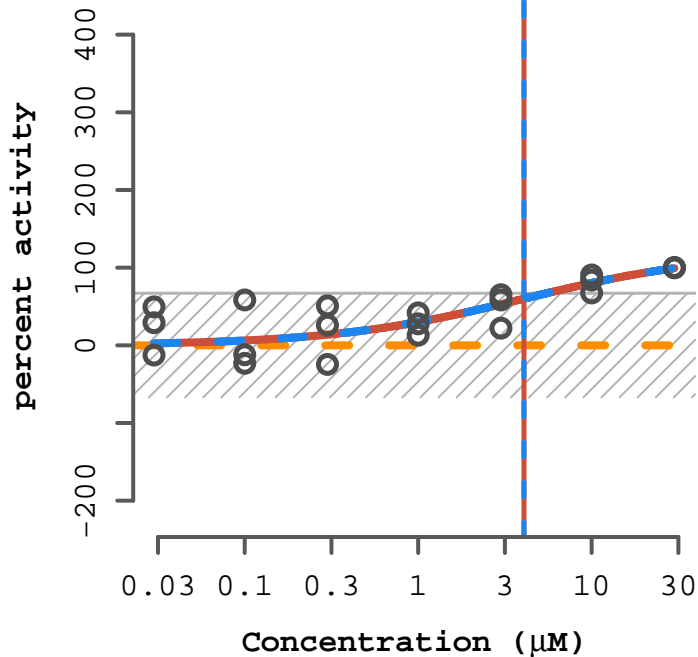
	tp	ga	gw	la	lw
val:	119	1.47	7.94	2.03	15.3
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	225.48	210.11	214.1
PROB:	0	0.88	0.12
RMSE:	48.61	27.86	27.86

MAX\_MEAN: 83.1 MAX\_MED: 100 BMAD: 22.4

COFF: 67.1 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS: 6



ASSAY: AEID2502 (NHEERL\_MEA\_dev\_per\_burst\_interspike\_)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36469583

HILL MODEL (in red):

	tp	ga	gw
val:	120	0.61	0.784
sd:	39.3	0.468	0.422

GAIN-LOSS MODEL (in blue):

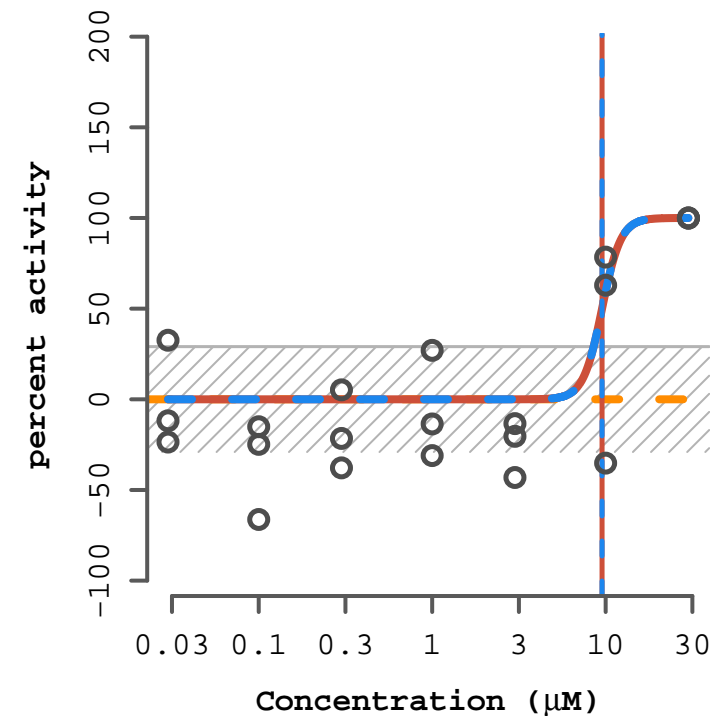
	tp	ga	gw	la	lw
val:	120	0.61	0.784	1.96	18
sd:	39.3	0.468	0.422	1740	64200

	CNST	HILL	GNLS
AIC:	235.28	201.72	205.72
PROB:	0	0.88	0.12
RMSE:	58.6	23.82	23.82

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 22.4

COFF: 67.1 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS:



ASSAY: AEID2504 (NHEERL\_MEA\_dev\_per\_burst\_spike\_perce)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36470010

HILL MODEL (in red):

	tp	ga	gw
val:	100	0.979	8
sd:	12.7	0.0776	25.2

GAIN-LOSS MODEL (in blue):

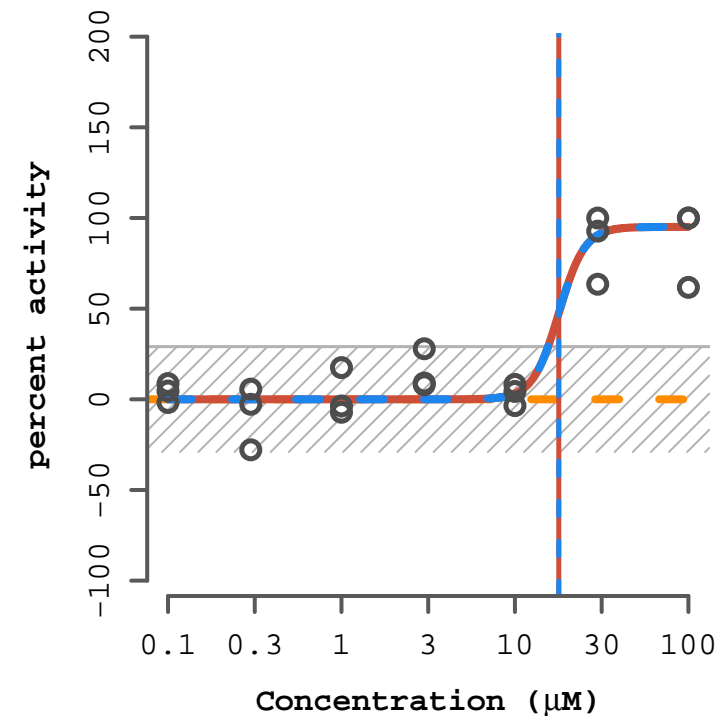
	tp	ga	gw	la	lw
val:	100	0.979	8	2.22	5.11
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	227.86	212.66	216.66
PROB:	0	0.88	0.12
RMSE:	50.98	32.78	32.78

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 9.69

COFF: 29.1 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS: 10



ASSAY: AEID2504 (NHEERL\_MEA\_dev\_per\_burst\_spike\_perce)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36470020

HILL MODEL (in red):

	tp	ga	gw
val:	95.1	1.25	5.79
sd:	7.65	0.119	2.79

GAIN-LOSS MODEL (in blue):

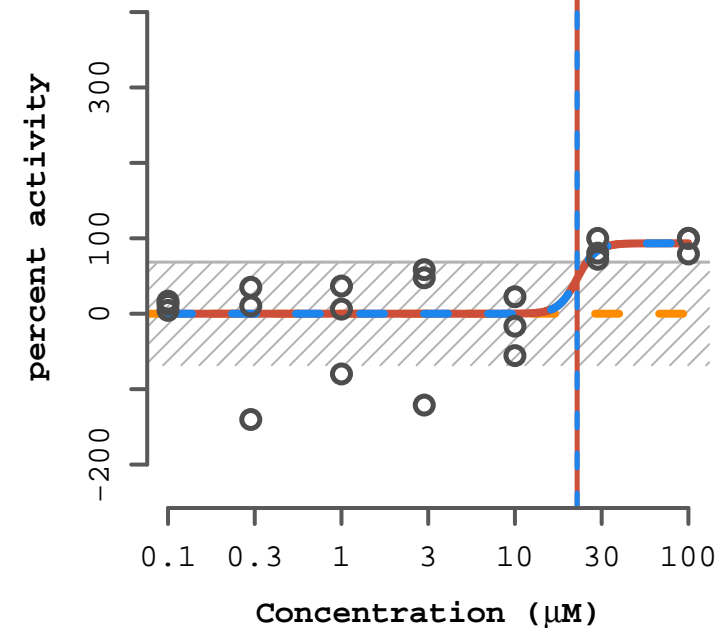
	tp	ga	gw	la	lw
val:	95.1	1.25	5.79	2.96	13.8
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	222.3	177.94	181.94
PROB:	0	0.88	0.12
RMSE:	48.19	14.25	14.25

MAX\_MEAN: 87.3 MAX\_MED: 100 BMAD: 9.69

COFF: 29.1 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2506 (NHEERL\_MEA\_dev\_burst\_duration\_mean\_d)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36470421

HILL MODEL (in red):

	tp	ga	gw
val:	93.4	1.36	8
sd:	17.8	0.244	14.7

GAIN-LOSS MODEL (in blue):

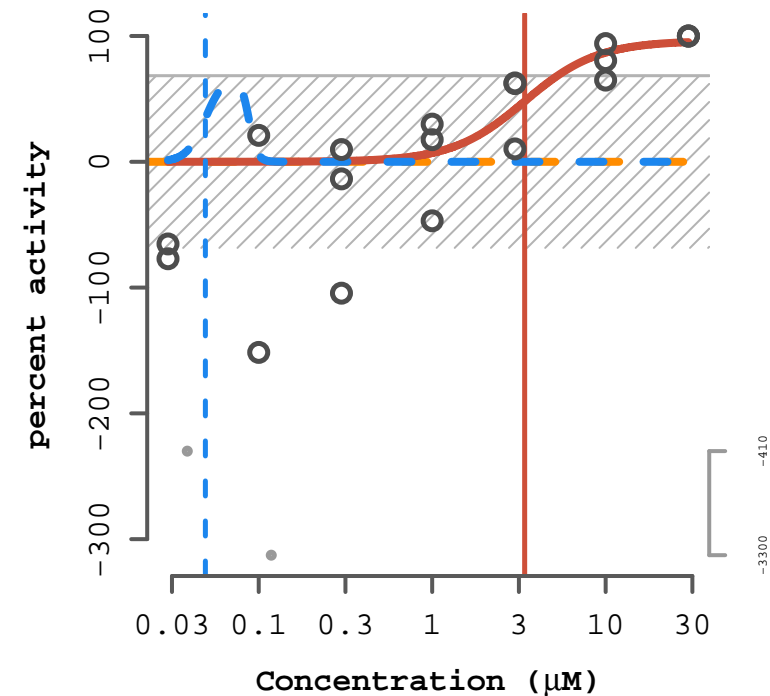
	tp	ga	gw	la	lw
val:	93.4	1.36	8	3.76	7.65
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	242.02	229.04	233.04
PROB:	0	0.88	0.12
RMSE:	69.49	50.77	50.77

MAX\_MEAN: 93.1 MAX\_MED: 100 BMAD: 22.8

COFF: 68.4 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2506 (NHEERL\_MEA\_dev\_burst\_duration\_mean\_d)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36470500 BRK

HILL MODEL (in red):

	tp	ga	gw
val:	96.1	0.533	2.07
sd:	35.1	0.418	2.91

GAIN-LOSS MODEL (in blue):

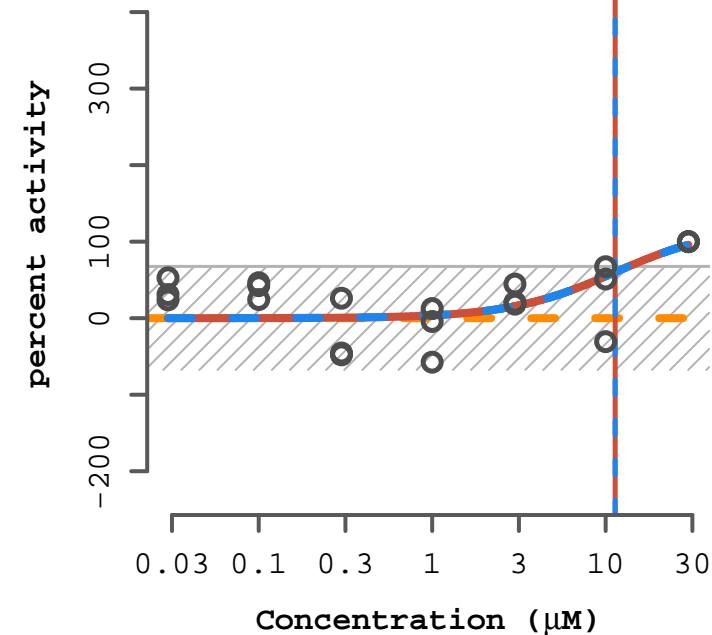
	tp	ga	gw	la	lw
val:	69.2	-1.31	8	-1.06	18
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	284.27	279.47	294.49
PROB:	0.08	0.92	0
RMSE:	718.95	717.15	720.3

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 22.8

COFF: 68.4 HIT-CALL: 1 FITC: 41 ACTP: 0.92

FLAGS: 10



ASSAY: AEID2508 (NHEERL\_MEA\_dev\_interburst\_interval\_m

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36470953

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.06	1.42
sd:	48.5	0.356	0.791

GAIN-LOSS MODEL (in blue):

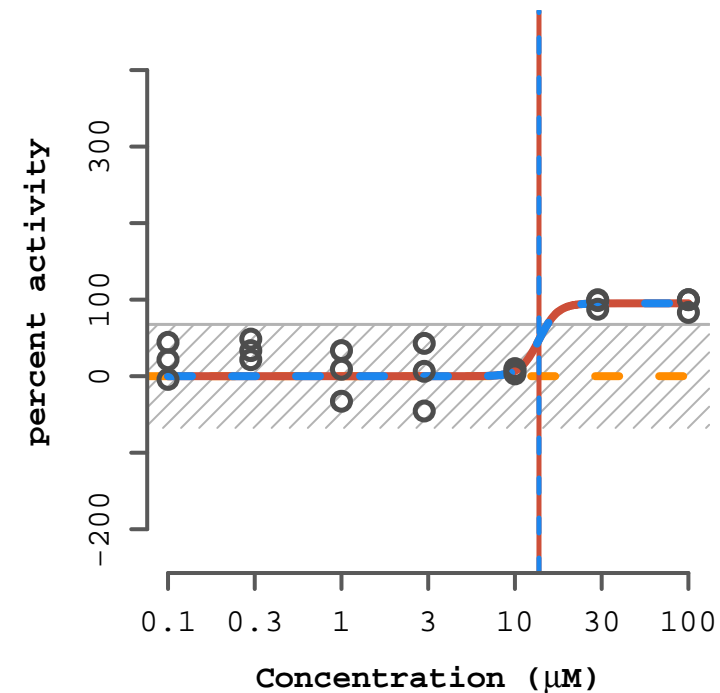
	tp	ga	gw	la	lw
val:	120	1.05	1.42	2.58	7.65
sd:	48.6	0.356	0.791	2220	15400

	CNST	HILL	GNLS
AIC:	230.37	218.25	222.25
PROB:	0	0.88	0.12
RMSE:	52.66	35.33	35.33

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 22.5

COFF: 67.6 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS: 6



ASSAY: AEID2508 (NHEERL\_MEA\_dev\_interburst\_interval\_m

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36470999

HILL MODEL (in red):

	tp	ga	gw
val:	95.2	1.14	8
sd:	8.18	0.505	28.9

GAIN-LOSS MODEL (in blue):

	tp	ga	gw	la	lw
val:	95.2	1.14	8	2.97	15.5
sd:	NaN	NaN	NaN	NaN	NaN

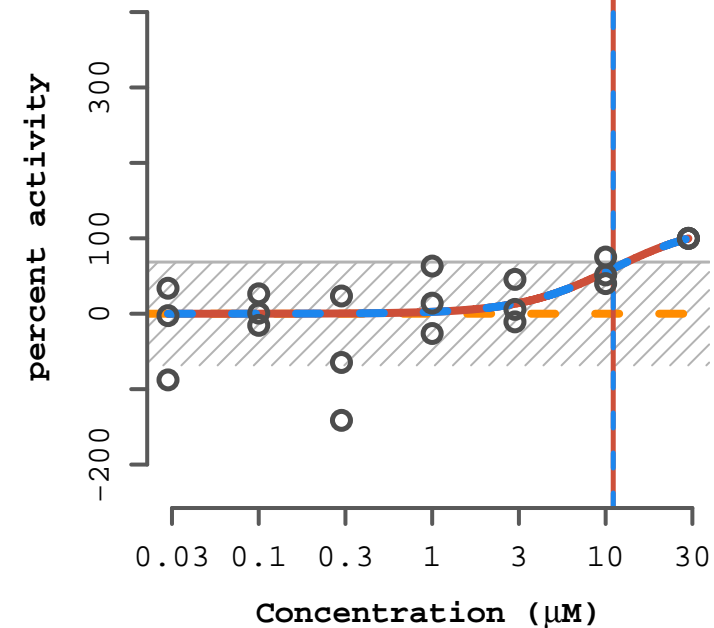
	CNST	HILL	GNLS
AIC:	232.63	203.32	207.32
PROB:	0	0.88	0.12
RMSE:	56.54	24.8	24.8

MAX\_MEAN: 95.4 MAX\_MED: 100 BMAD: 22.5

COFF: 67.6 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:





ASSAY: AEID2510 (NHEERL\_MEA\_dev\_network\_spike\_number\_0)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36471305

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.04	1.6
sd:	63.4	0.392	1.55

GAIN-LOSS MODEL (in blue):

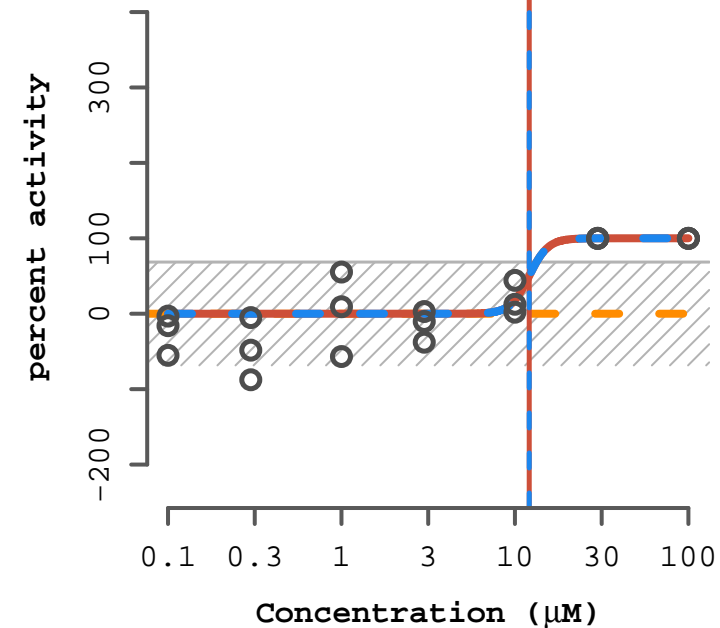
	tp	ga	gw	la	lw
val:	120	1.04	1.6	2.17	8.94
sd:	63.6	0.393	1.56	527	6780

	CNST	HILL	GNLS
AIC:	236.5	221.95	225.95
PROB:	0	0.88	0.12
RMSE:	62.29	44.5	44.5

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 22.8

COFF: 68.5 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS: 6



ASSAY: AEID2510 (NHEERL\_MEA\_dev\_network\_spike\_number\_6)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36471486

HILL MODEL (in red):

	tp	ga	gw
val:	100	1.08	8
sd:	8.57	0.737	71.3

GAIN-LOSS MODEL (in blue):

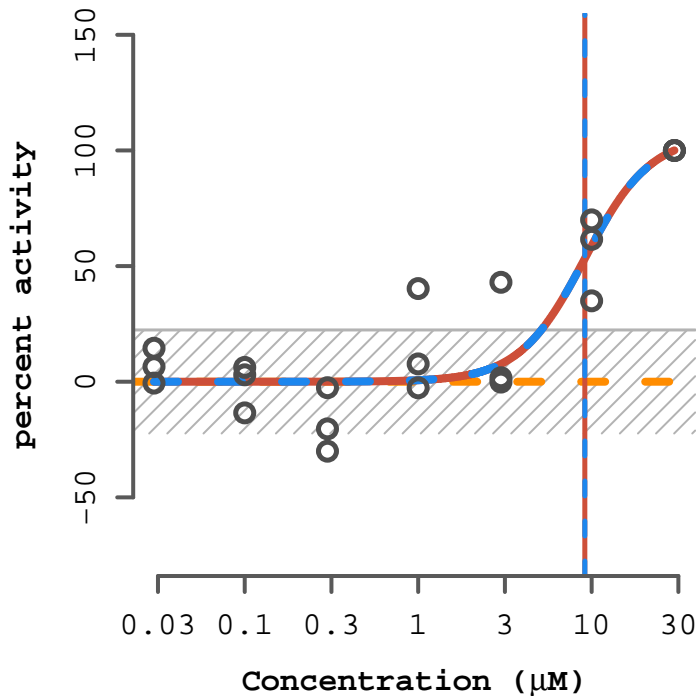
	tp	ga	gw	la	lw
val:	100	1.08	8	3.99	1.53
sd:	16.5	0.847	81.6	345	277

	CNST	HILL	GNLS
AIC:	237.91	211.5	215.5
PROB:	0	0.88	0.12
RMSE:	63	32.51	32.51

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 22.8

COFF: 68.5 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2512 (NHEERL\_MEA\_dev\_network\_spike\_peak\_dn

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36471836

HILL MODEL (in red):

	tp	ga	gw
val:	107	0.961	2.29
sd:	14.4	0.0876	1.31

GAIN-LOSS MODEL (in blue):

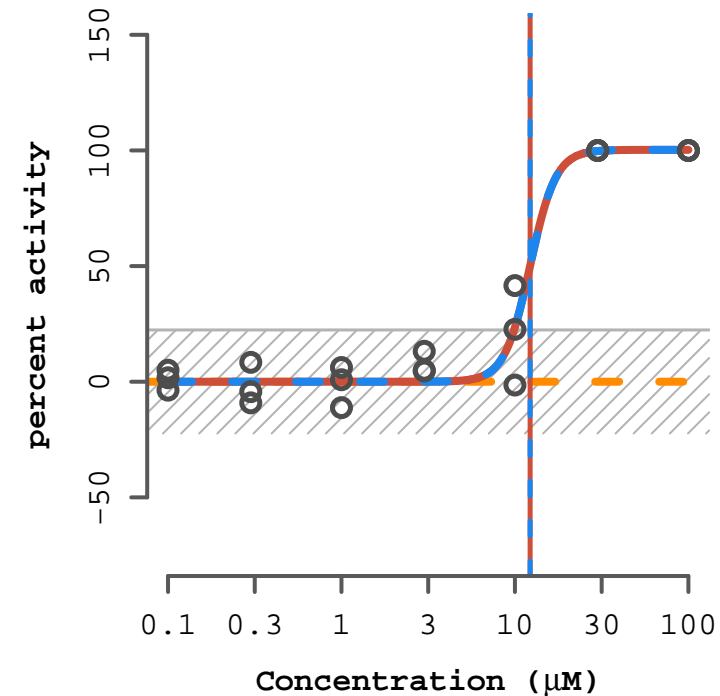
	tp	ga	gw	la	lw
val:	107	0.961	2.29	2.04	16.8
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	<b>HILL</b>	GNLS
AIC:	221.45	<b>182.84</b>	186.84
PROB:	0	<b>0.88</b>	0.12
RMSE:	46.43	<b>16.16</b>	16.16

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 7.46

COFF: 22.4 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS:



ASSAY: AEID2512 (NHEERL\_MEA\_dev\_network\_spike\_peak\_dn

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36471878

HILL MODEL (in red):

	tp	ga	gw
val:	100	1.09	5.85
sd:	2.69	0.0883	5.82

GAIN-LOSS MODEL (in blue):

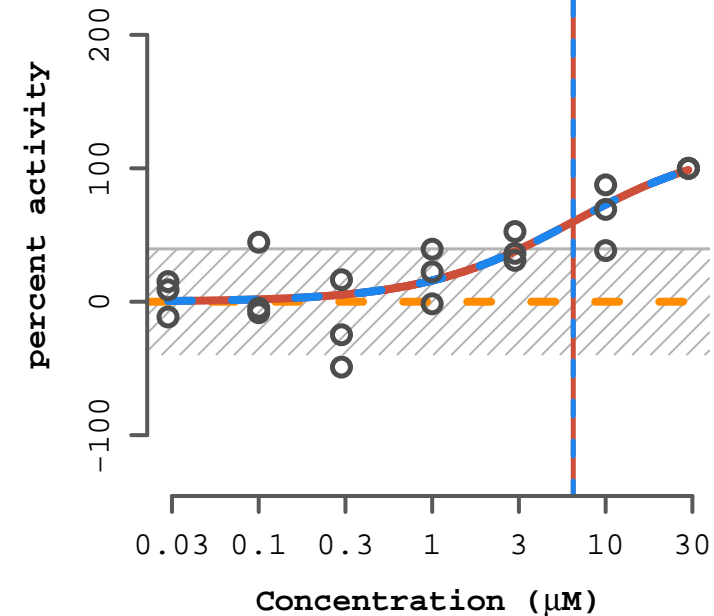
	tp	ga	gw	la	lw
val:	100	1.09	5.85	2.78	12
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	228.37	154.71	158.71
PROB:	0	0.88	0.12
RMSE:	54.7	8.58	8.58

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 7.46

COFF: 22.4 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2514 (NHEERL\_MEA\_dev\_spike\_duration\_mean\_d)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36472270

HILL MODEL (in red):

	tp	ga	gw
val:	120	0.813	1
sd:	34.1	0.347	0.42

GAIN-LOSS MODEL (in blue):

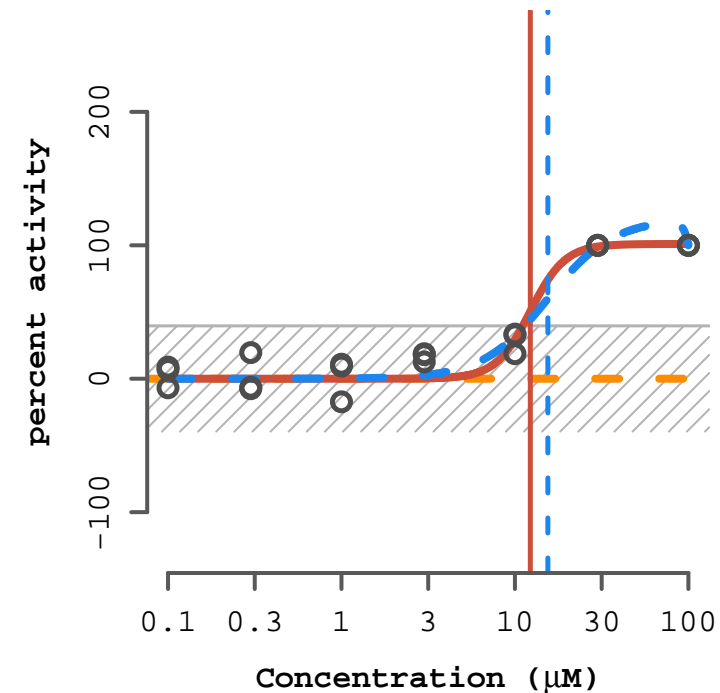
	tp	ga	gw	la	lw
val:	120	0.813	1	2.27	8.88
sd:	34.1	0.347	0.419	338	3780

	CNST	HILL	GNLS
AIC:	228.79	193.61	197.61
PROB:	0	0.88	0.12
RMSE:	52.03	20.65	20.65

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 13.2

COFF: 39.6 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS:



ASSAY: AEID2514 (NHEERL\_MEA\_dev\_spike\_duration\_mean\_d

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36472454

HILL MODEL (in red):

	tp	ga	gw
val:	101	1.09	4.34
sd:	4.55	0.0658	3.07

GAIN-LOSS MODEL (in blue):

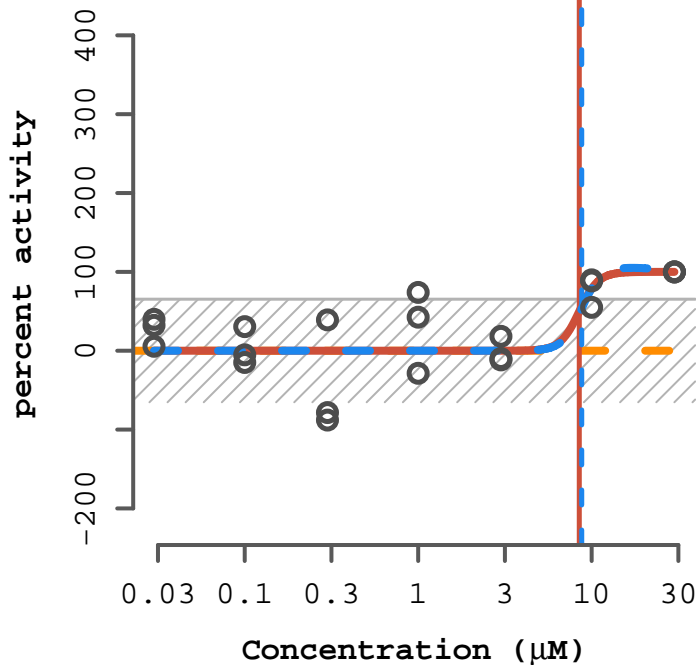
	tp	ga	gw	la	lw
val:	120	1.19	2.32	2.04	18
sd:	46.8	0.204	1.74	0.00988	22

	CNST	<b>HILL</b>	GNLS
AIC:	229.73	<b>166.2</b>	168.3
PROB:	0	<b>0.74</b>	0.26
RMSE:	55.44	<b>10.06</b>	9.62

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 13.2

COFF: 39.6 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2516 (NHEERL\_MEA\_dev\_network\_spike\_duration)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36472789

HILL MODEL (in red):

	tp	ga	gw
val:	100	0.929	8
sd:	14.5	0.569	63.6

GAIN-LOSS MODEL (in blue):

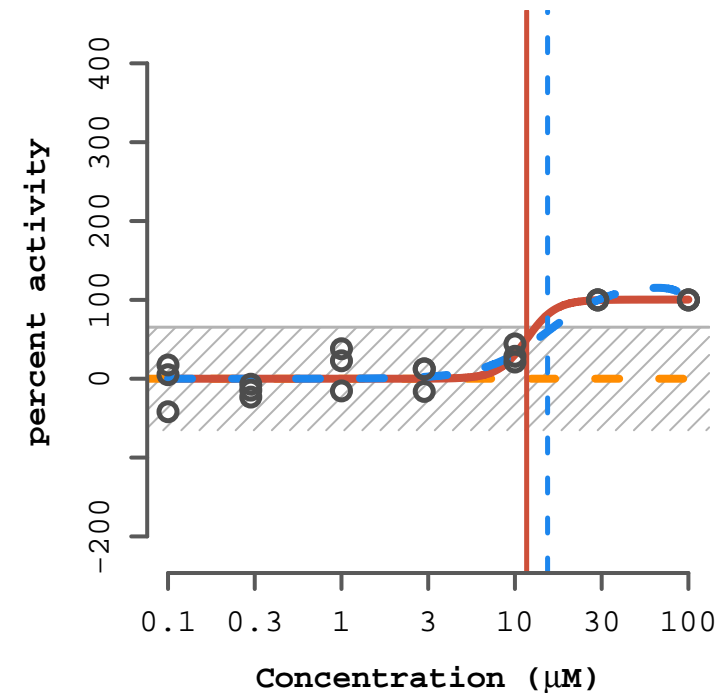
	tp	ga	gw	la	lw
val:	107	0.943	7.88	1.86	2.98
sd:	1010	1.78	69.5	24.9	189

	CNST	HILL	GNLS
AIC:	236.44	218.53	222.53
PROB:	0	0.88	0.12
RMSE:	60.5	36.97	36.97

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 21.8

COFF: 65.4 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2516 (NHEERL\_MEA\_dev\_network\_spike\_duration)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36472872

HILL MODEL (in red):

	tp	ga	gw
val:	100	1.07	5.24
sd:	6.84	0.17	12.7

GAIN-LOSS MODEL (in blue):

	tp	ga	gw	la	lw
val:	120	1.19	2.39	2.1	7.21
sd:	121	0.57	4.24	0.426	51.6

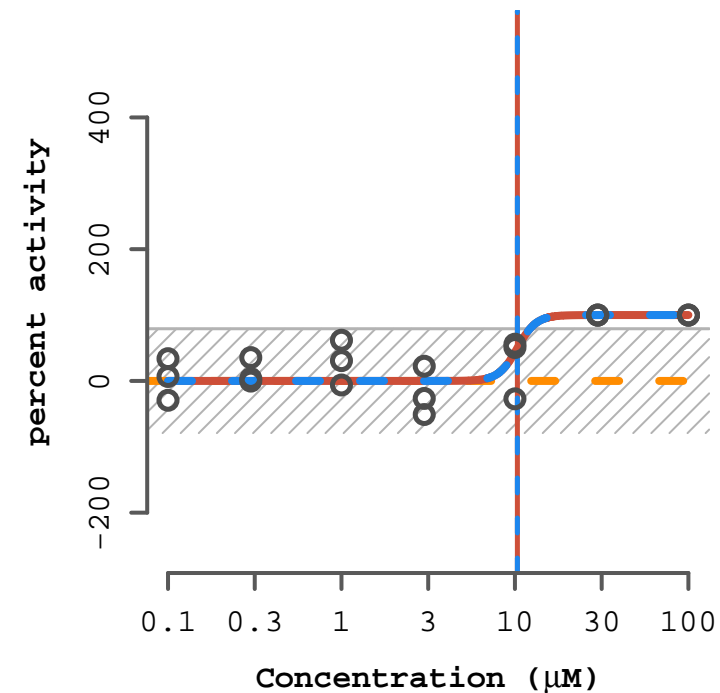
	CNST	HILL	GNLS
AIC:	232.31	185.63	189.36
PROB:	0	0.87	0.13
RMSE:	57.27	16.81	16.75

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 21.8

COFF: 65.4 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:





ASSAY: AEID2518 (NHEERL\_MEA\_dev\_per\_network\_spike\_int)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36473221

HILL MODEL (in red):

	tp	ga	gw
val:	100	1.01	8
sd:	7.64	0.0868	45

GAIN-LOSS MODEL (in blue):

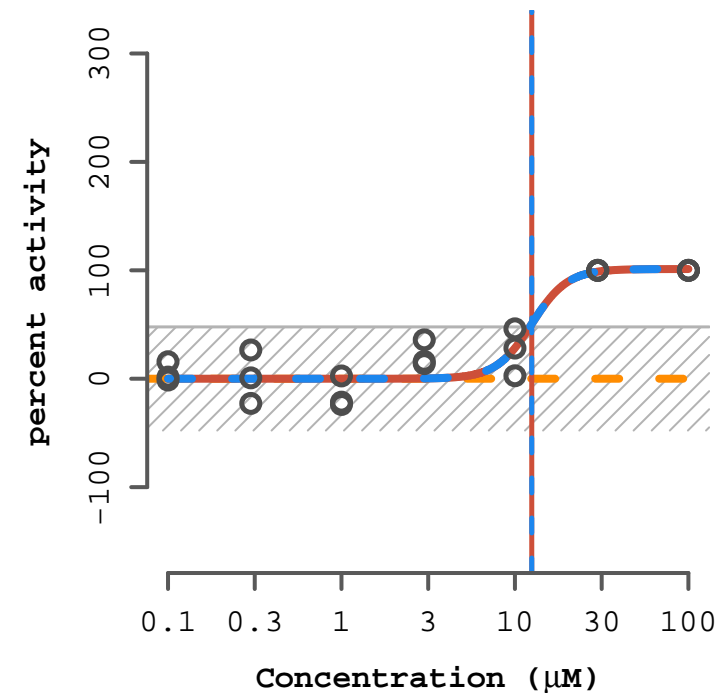
	tp	ga	gw	la	lw
val:	100	1.01	7.98	2.24	15.5
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	236.48	207.17	211.17
PROB:	0	0.88	0.12
RMSE:	61.09	28.57	28.57

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 26.4

COFF: 79.2 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2520 (NHEERL\_MEA\_dev\_per\_network\_spike\_spi)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36473824

HILL MODEL (in red):

	tp	ga	gw
val:	101	1.1	4.22
sd:	6.76	0.091	3.93

GAIN-LOSS MODEL (in blue):

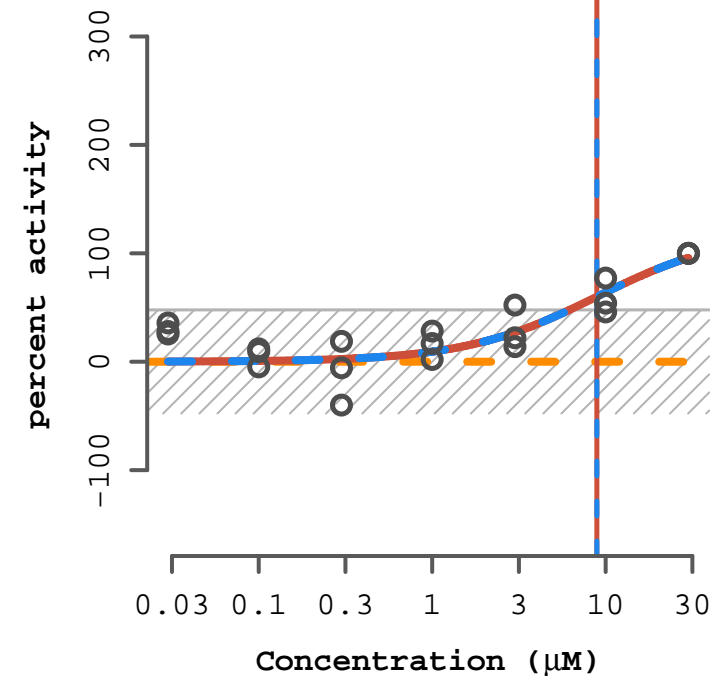
	tp	ga	gw	la	lw
val:	101	1.1	4.22	3.99	5.45
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	231.33	184.04	188.04
PROB:	0	0.88	0.12
RMSE:	56.56	15.73	15.73

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 15.9

COFF: 47.8 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2520 (NHEERL\_MEA\_dev\_per\_network\_spike\_spi)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36473870

HILL MODEL (in red):

	tp	ga	gw
val:	120	0.949	1.13
sd:	27.8	0.24	0.396

GAIN-LOSS MODEL (in blue):

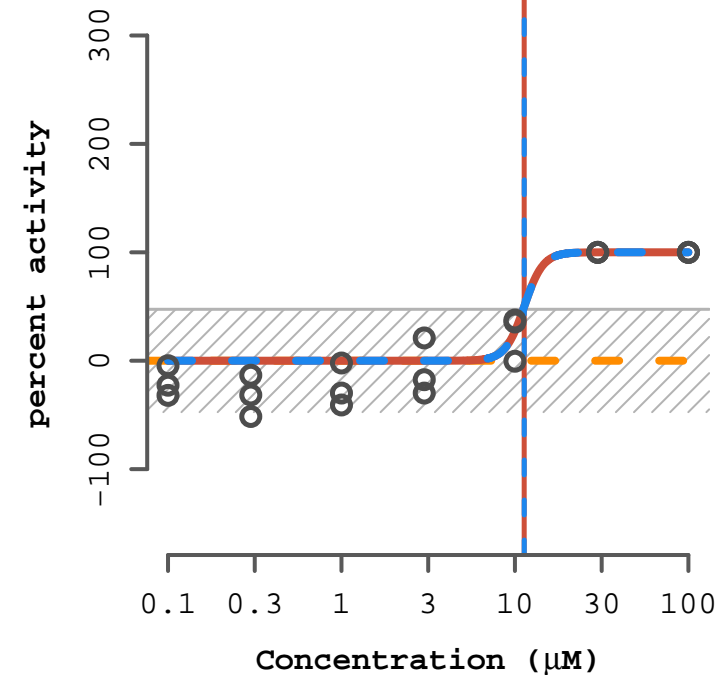
	tp	ga	gw	la	lw
val:	120	0.949	1.13	2.55	9
sd:	27.8	0.24	0.396	4300	36000

	CNST	HILL	GNLS
AIC:	225.51	190.67	194.67
PROB:	0	0.88	0.12
RMSE:	49.01	18.26	18.26

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 15.9

COFF: 47.8 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS:



ASSAY: AEID2522 (NHEERL\_MEA\_dev\_per\_network\_spike\_spi)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36474327

HILL MODEL (in red):

	tp	ga	gw
val:	100	1.05	8
sd:	6.91	0.503	75

GAIN-LOSS MODEL (in blue):

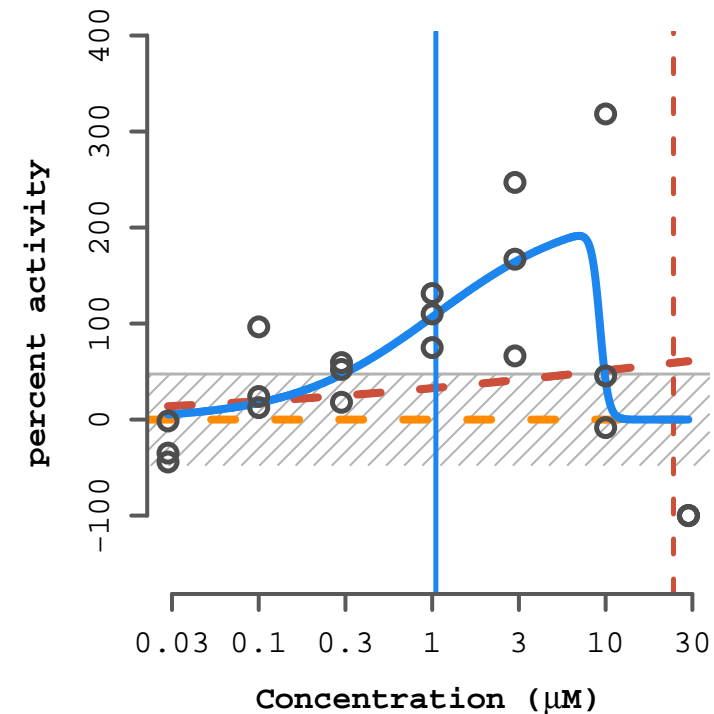
	tp	ga	gw	la	lw
val:	100	1.05	7.97	2.99	3.38
sd:	10.7	0.528	77.9	862	2960

	CNST	HILL	GNLS
AIC:	234.01	199.15	203.15
PROB:	0	0.88	0.12
RMSE:	58.65	22.36	22.36

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 15.8

COFF: 47.4 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2523 (NHEERL\_MEA\_dev\_per\_network\_spike\_spi)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36474054

HILL MODEL (in red):

	tp	ga	gw
val:	118	1.39	0.3
sd:	NaN	NaN	NaN

GAIN-LOSS MODEL (in blue):

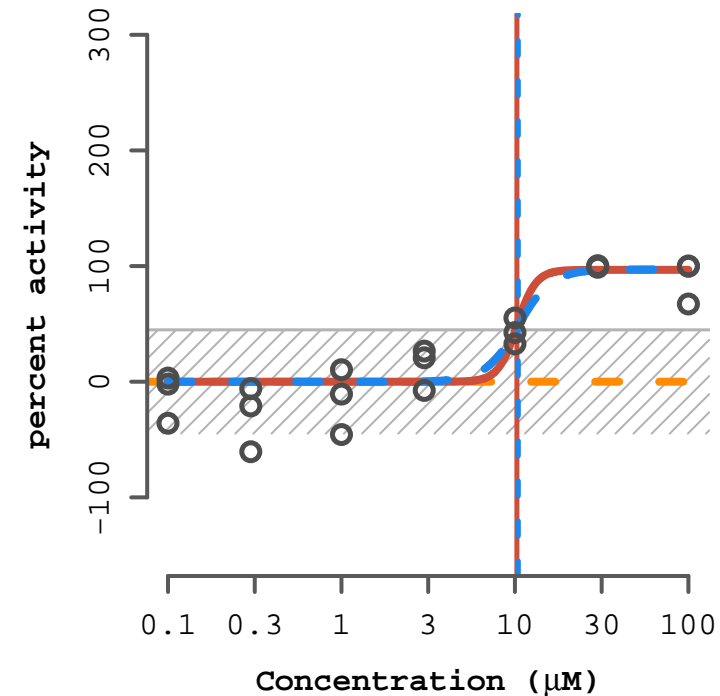
	tp	ga	gw	la	lw
val:	219	0.0214	1.04	0.967	17.9
sd:	186	0.822	0.775	0.644	346

	CNST	HILL	GNLS
AIC:	260	263.97	251.31
PROB:	0.01	0	0.99
RMSE:	115.8	107.59	81.4

MAX\_MEAN: 160 MAX\_MED: 167 BMAD: 15.8

COFF: 47.4 HIT-CALL: 1 FITC: 50 ACTP: 0.99

FLAGS: 10



ASSAY: AEID2524 (NHEERL\_MEA\_dev\_correlation\_coefficient)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36474682

HILL MODEL (in red):

	tp	ga	gw
val:	96.7	1.01	8
sd:	6.32	0.113	79.1

GAIN-LOSS MODEL (in blue):

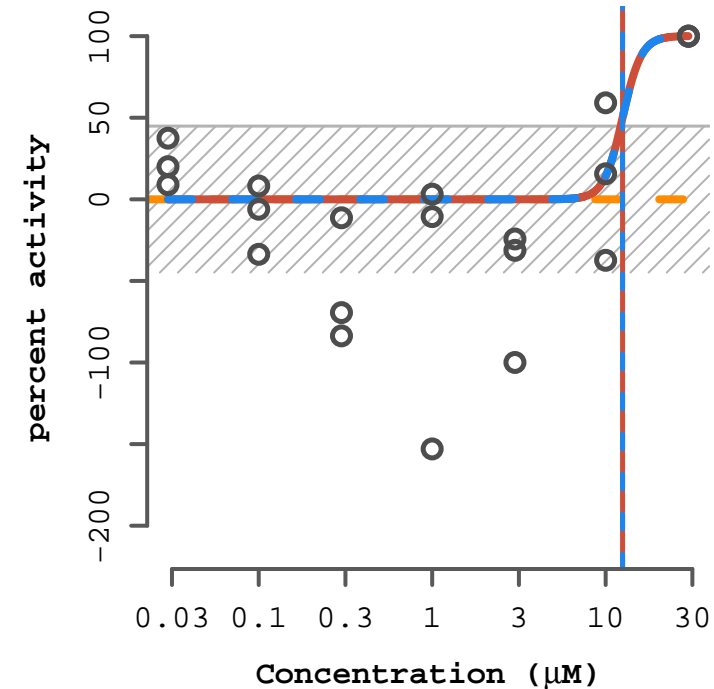
	tp	ga	gw	la	lw
val:	97.1	1.02	4.57	2.72	11.8
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	233.33	194.99	198.99
PROB:	0	0.88	0.12
RMSE:	57.41	21.93	21.93

MAX\_MEAN: 99.7 MAX\_MED: 100 BMAD: 15

COFF: 44.9 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2524 (NHEERL\_MEA\_dev\_correlation\_coefficient)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36474887

HILL MODEL (in red):

	tp	ga	gw
val:	100	1.1	8
sd:	19.8	1.1	89.2

GAIN-LOSS MODEL (in blue):

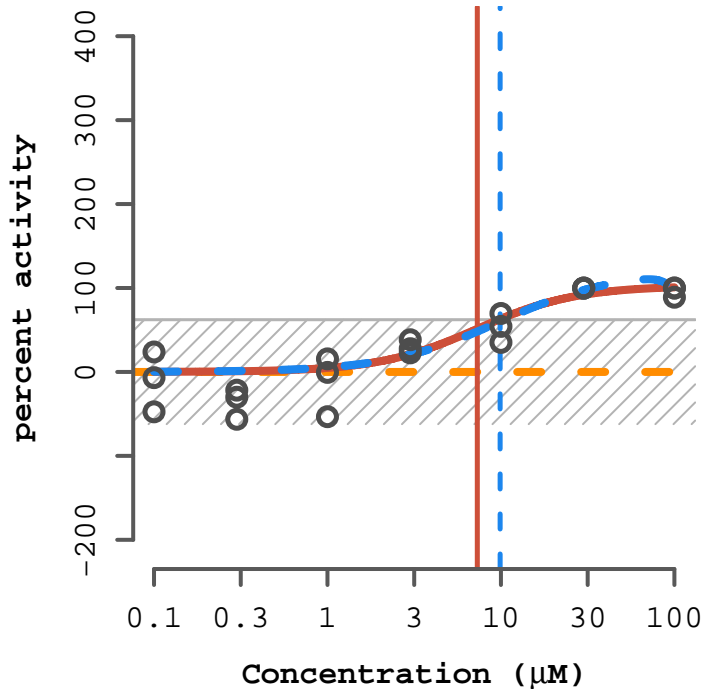
	tp	ga	gw	la	lw
val:	100	1.1	8	3.42	9.22
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	236.63	229.19	233.19
PROB:	0.02	0.86	0.12
RMSE:	63.72	51.09	51.09

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 15

COFF: 44.9 HIT-CALL: 1 FITC: 41 ACTP: 0.98

FLAGS: 6; 10



ASSAY: AEID2526 (NHEERL\_MEA\_dev\_mutual\_information\_no:

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36474962

HILL MODEL (in red):

	tp	ga	gw
val:	103	0.864	1.52
sd:	9.84	0.135	0.419

GAIN-LOSS MODEL (in blue):

	tp	ga	gw	la	lw
val:	120	0.995	1.33	2.09	7.96
sd:	NaN	NaN	NaN	NaN	NaN

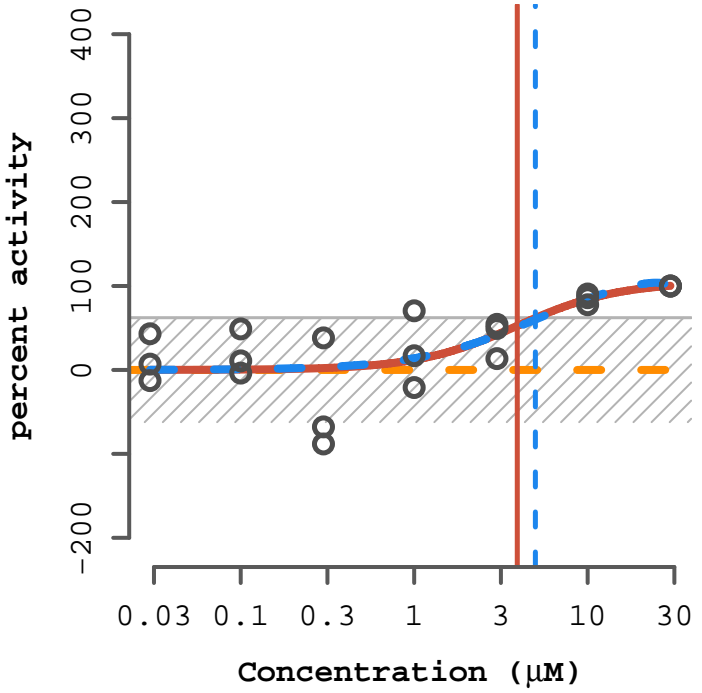
	CNST	HILL	GNLS
AIC:	237.4	200.57	203.59
PROB:	0	0.82	0.18
RMSE:	61.79	24.61	24.42

MAX\_MEAN: 99.9 MAX\_MED: 100 BMAD: 20.7

COFF: 62.2 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:





ASSAY: AEID2526 (NHEERL\_MEA\_dev\_mutual\_information\_no:

NAME: Malathion  
CHID: 20791 CASRN: 121-75-5  
SPID(S): EPAPLT0167G08  
M4ID: 36475053

HILL MODEL (in red):

	tp	ga	gw
val:	105	0.594	1.49
sd:	21.4	0.21	0.982

GAIN-LOSS MODEL (in blue):

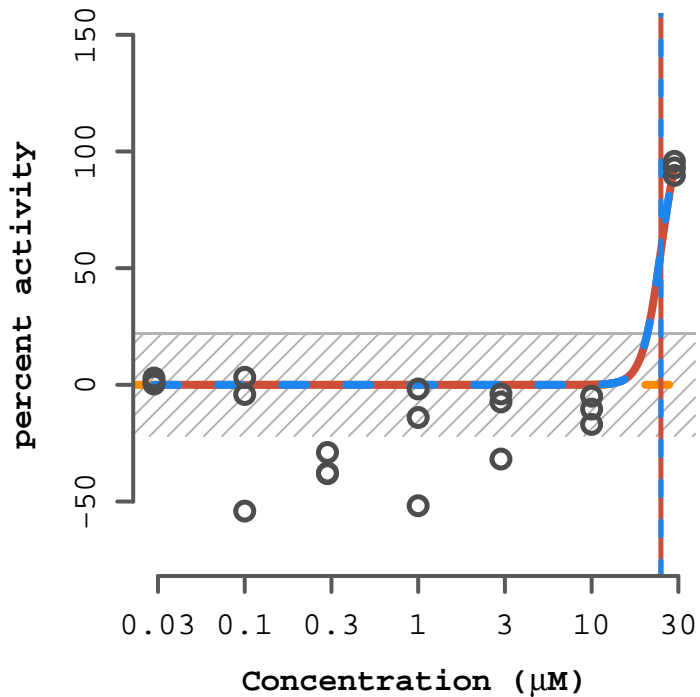
	tp	ga	gw	la	lw
val:	120	0.699	1.26	1.61	7.88
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	238.05	214.02	218
PROB:	0	0.88	0.12
RMSE:	62.24	34.18	34.26

MAX\_MEAN: 100                      MAX\_MED: 100                      BMAD: 20.7

COFF: 62.2    HIT-CALL: 1            FITC: 41            ACTP: 1

FLAGS:



ASSAY: AEID2529 (NHEERL\_MEA\_dev\_LDH\_up)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36475547

HILL MODEL (in red):

	tp	ga	gw
val:	115	1.4	8
sd:	264	0.577	12.1

GAIN-LOSS MODEL (in blue):

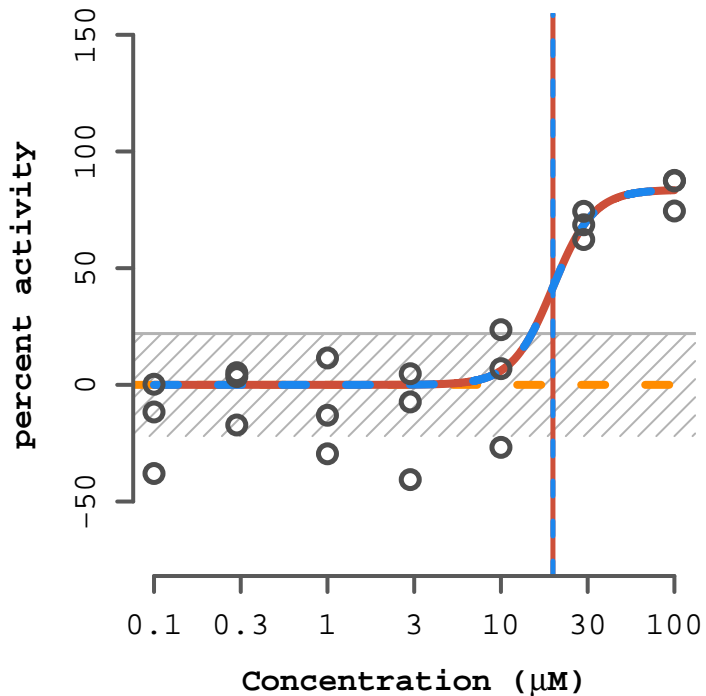
	tp	ga	gw	la	lw
val:	115	1.4	8	2.04	11
sd:	263	0.574	12.1	564	11100

	CNST	HILL	GNLS
AIC:	216.75	197.38	201.38
PROB:	0	0.88	0.12
RMSE:	41.94	22.97	22.97

MAX\_MEAN: 92.8      MAX\_MED: 93      BMAD: 7.33

COFF: 22      HIT-CALL: 1      FITC: 42      ACTP: 1

FLAGS: 10; 6



ASSAY: AEID2529 (NHEERL\_MEA\_dev\_LDH\_up)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36475574

HILL MODEL (in red):

	tp	ga	gw
val:	83.6	1.3	3.69
sd:	7.41	0.099	1.8

GAIN-LOSS MODEL (in blue):

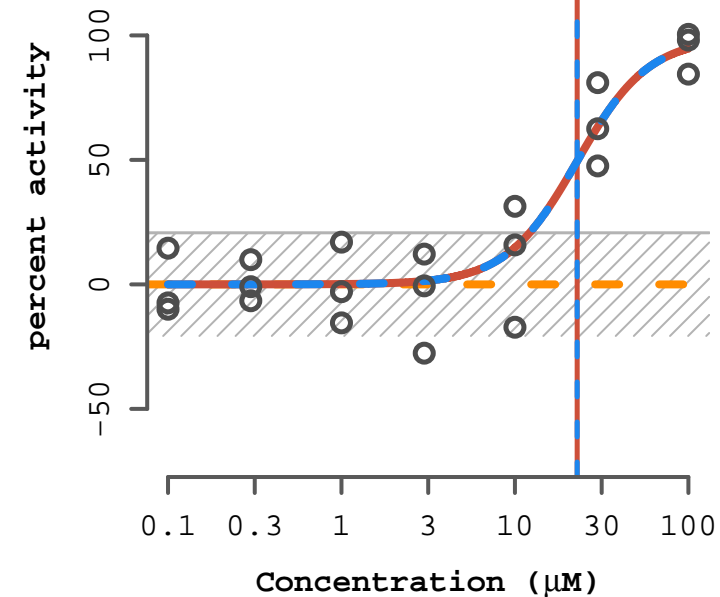
	tp	ga	gw	la	lw
val:	83.6	1.3	3.69	3.8	16.1
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	221.46	186.53	190.53
PROB:	0	0.88	0.12
RMSE:	44.25	17.45	17.45

MAX\_MEAN: 83.2 MAX\_MED: 87.4 BMAD: 7.33

COFF: 22 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2530 (NHEERL\_MEA\_dev\_AB\_dn)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): TT0000177D02

M4ID: 36475724

HILL MODEL (in red):

	tp	ga	gw
val:	99	1.36	2.1
sd:	10.4	0.0928	0.813

GAIN-LOSS MODEL (in blue):

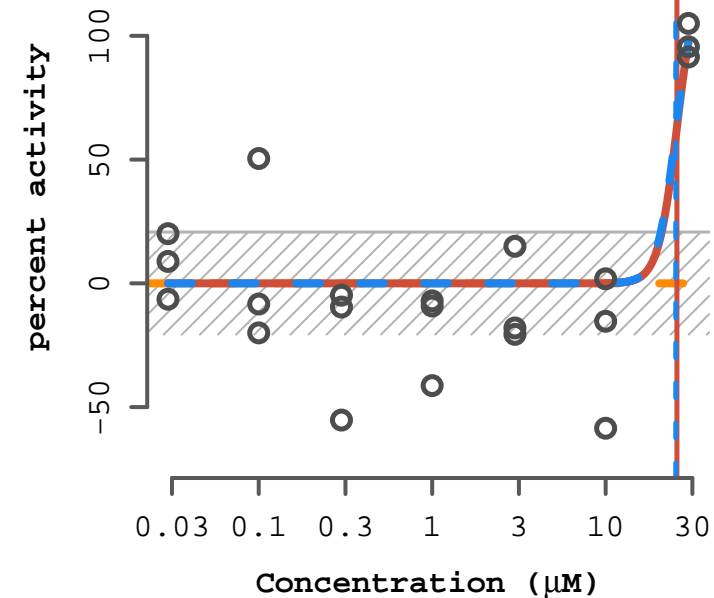
	tp	ga	gw	la	lw
val:	99	1.36	2.1	2.5	12.8
sd:	10.4	0.0928	0.813	349	8900

	CNST	HILL	GNLS
AIC:	220.39	179.03	183.03
PROB:	0	0.88	0.12
RMSE:	45.29	13.83	13.83

MAX\_MEAN: 94.3      MAX\_MED: 98.1      BMAD: 6.91

COFF: 20.7      HIT-CALL: 1      FITC: 41      ACTP: 1

FLAGS:



ASSAY: AEID2530 (NHEERL\_MEA\_dev\_AB\_dn)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36475752

HILL MODEL (in red):

	tp	ga	gw
val:	126	1.41	8
sd:	363	0.608	14.9

GAIN-LOSS MODEL (in blue):

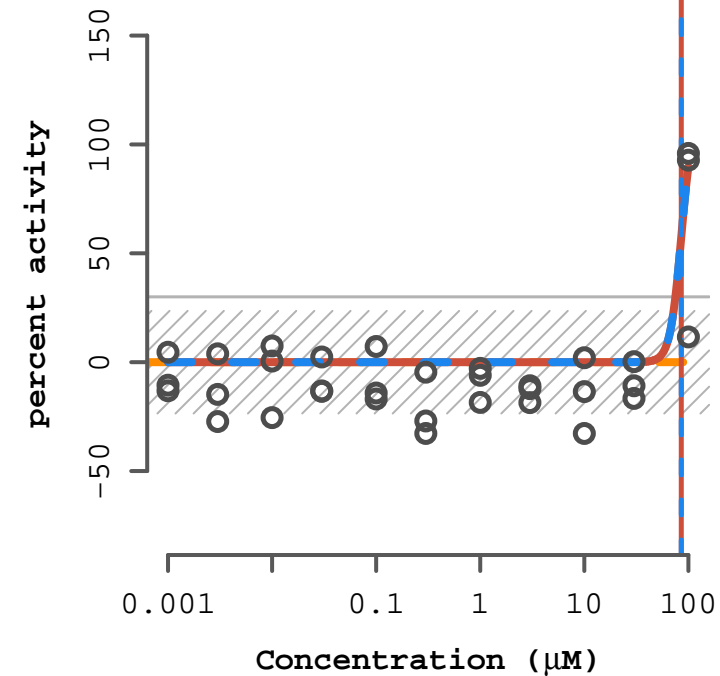
	tp	ga	gw	la	lw
val:	123	1.4	8	3.47	18
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	219.58	201.63	205.63
PROB:	0	0.88	0.12
RMSE:	44.57	25.15	25.15

MAX\_MEAN: 97.4 MAX\_MED: 95.6 BMAD: 6.91

COFF: 20.7 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS: 10; 6



ASSAY: AEID2777 (MUNDY\_HCI\_Cortical\_NOG\_BPCount\_loss)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36488749

HILL MODEL (in red):

	tp	ga	gw
val:	115	1.93	8
sd:	139	0.171	19.1

GAIN-LOSS MODEL (in blue):

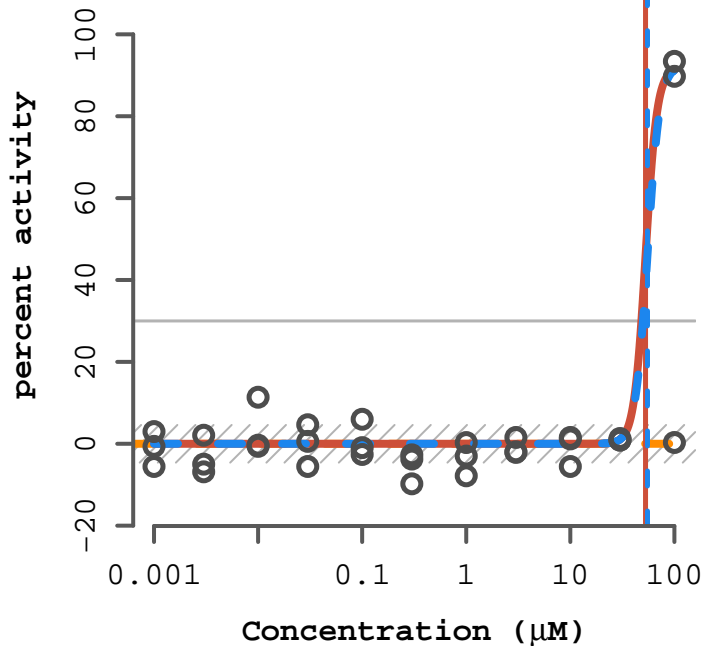
	tp	ga	gw	la	lw
val:	115	1.93	8	3.89	4.65
sd:	139	0.172	19.1	51100	125000

	CNST	HILL	GNLS
AIC:	301.75	293.72	297.72
PROB:	0.02	0.87	0.12
RMSE:	27.68	20.22	20.22

MAX\_MEAN: 66.8      MAX\_MED: 92.8      BMAD: 7.86

COFF: 30      HIT-CALL: 1      FITC: 42      ACTP: 0.98

FLAGS: 6



ASSAY: AEID2778 (MUNDY\_HCI\_Cortical\_NOG\_NeuriteCount\_)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36488727

HILL MODEL (in red):

	tp	ga	gw
val:	91.8	1.72	7.89
sd:	19.1	0.836	26.5

GAIN-LOSS MODEL (in blue):

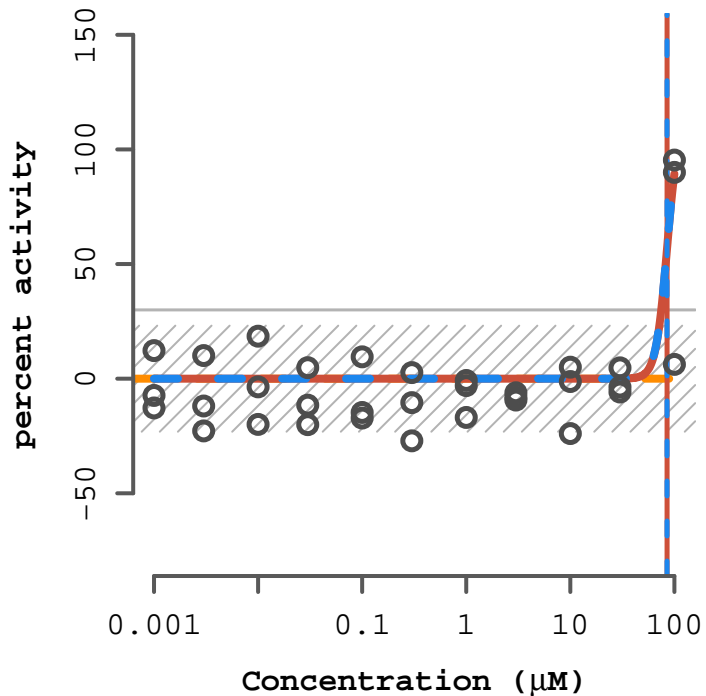
	tp	ga	gw	la	lw
val:	92.5	1.74	7.35	2.33	9.46
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	239.51	221.21	225.21
PROB:	0	0.88	0.12
RMSE:	22.94	16.37	16.37

MAX\_MEAN: 61.2 MAX\_MED: 89.8 BMAD: 1.53

COFF: 30 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS: 6



ASSAY: AEID2779 (MUNDY\_HCI\_Cortical\_NOG\_NeuriteLength\_

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36488634

HILL MODEL (in red):

	tp	ga	gw
val:	114	1.93	8
sd:	NaN	NaN	NaN

GAIN-LOSS MODEL (in blue):

	tp	ga	gw	la	lw
val:	114	1.93	7.91	3.99	1.71
sd:	NaN	NaN	NaN	NaN	NaN

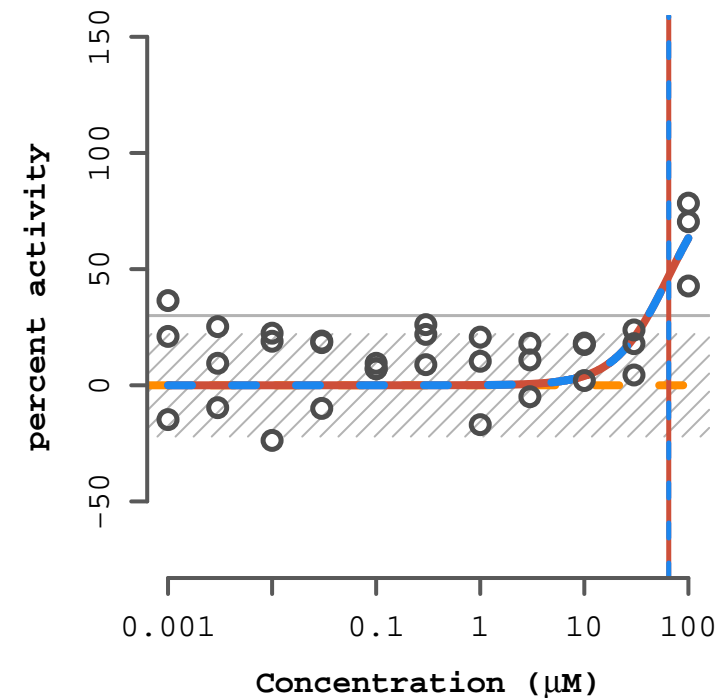
	CNST	HILL	GNLS
AIC:	292.49	284.15	288.15
PROB:	0.01	0.87	0.12
RMSE:	25.99	19.06	19.06

MAX\_MEAN: 63.9 MAX\_MED: 90 BMAD: 7.71

COFF: 30 HIT-CALL: 1 FITC: 42 ACTP: 0.99

FLAGS: 6





ASSAY: AEID2780 (MUNDY\_HCI\_Cortical\_NOG\_NeuronCount\_1)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36488510

HILL MODEL (in red):

	tp	ga	gw
val:	94.1	1.81	1.66
sd:	64.5	0.417	1.47

GAIN-LOSS MODEL (in blue):

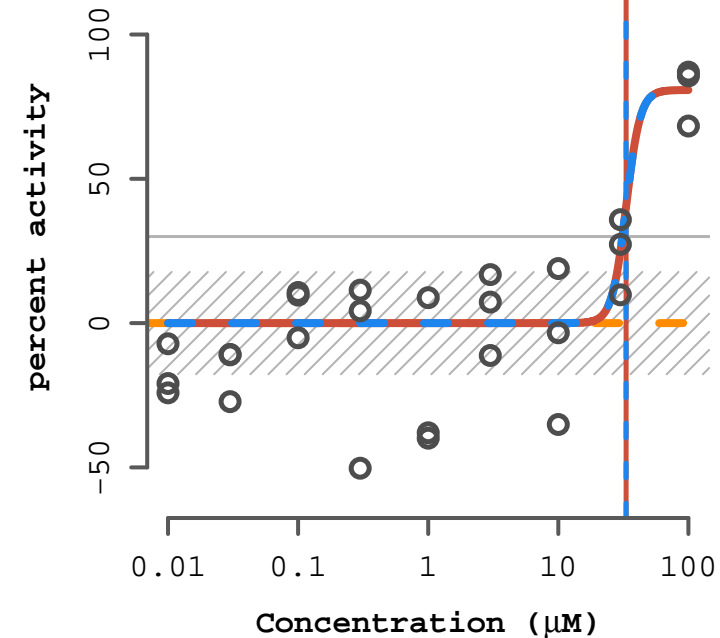
	tp	ga	gw	la	lw
val:	94.1	1.81	1.66	3.89	6.91
sd:	64.5	0.417	1.47	142000	328000

	CNST	HILL	GNLS
AIC:	308.44	292	296
PROB:	0	0.88	0.12
RMSE:	25.97	16.61	16.61

MAX\_MEAN: 63.9 MAX\_MED: 70.4 BMAD: 7.36

COFF: 30 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS: 6



ASSAY: AEID2781 (MUNDY\_HCI\_Cortical\_Synap&Neur\_Matur\_1

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36489418

HILL MODEL (in red):

	tp	ga	gw
val:	80.8	1.52	8
sd:	9.06	0.251	45.3

GAIN-LOSS MODEL (in blue):

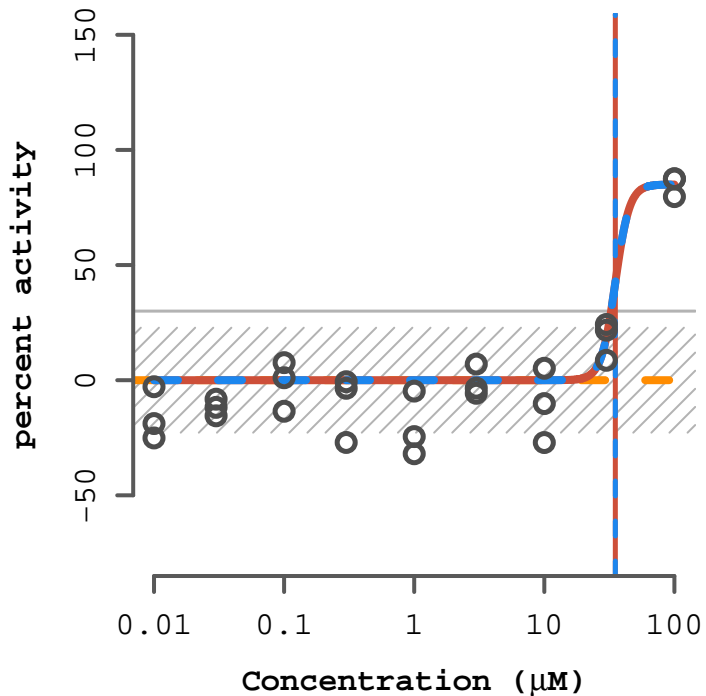
	tp	ga	gw	la	lw
val:	80.8	1.52	8	2.32	12.6
sd:	6.88	0.251	45.3	3.83	681

	CNST	HILL	GNLS
AIC:	267.86	246.37	250.37
PROB:	0	0.88	0.12
RMSE:	34.34	19.91	19.91

MAX\_MEAN: 80.3 MAX\_MED: 85.7 BMAD: 5.91

COFF: 30 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:



ASSAY: AEID2784 (MUNDY\_HCI\_Cortical\_Synap&Neur\_Matur\_1

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36489318

HILL MODEL (in red):

	tp	ga	gw
val:	85	1.55	8
sd:	6.19	0.615	71.1

GAIN-LOSS MODEL (in blue):

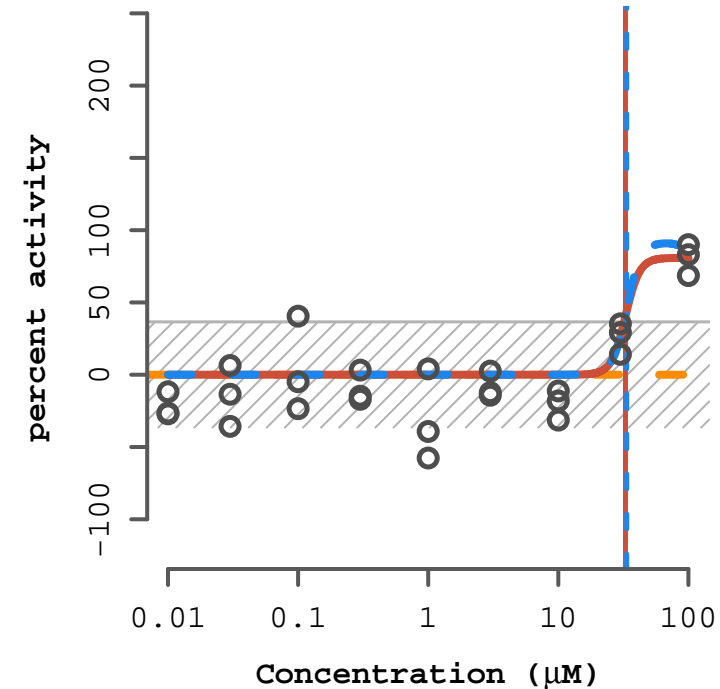
	tp	ga	gw	la	lw
val:	85	1.55	8	3.9	9.24
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	258.71	226.7	230.7
PROB:	0	0.88	0.12
RMSE:	32.09	13.87	13.87

MAX\_MEAN: 84.9 MAX\_MED: 87.4 BMAD: 7.6

COFF: 30 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS: 6



ASSAY: AEID2786 (MUNDY\_HCI\_Cortical\_Synap&Neur\_Matur\_1

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36489053

HILL MODEL (in red):

	tp	ga	gw
val:	80.8	1.52	8
sd:	9.94	0.126	25

GAIN-LOSS MODEL (in blue):

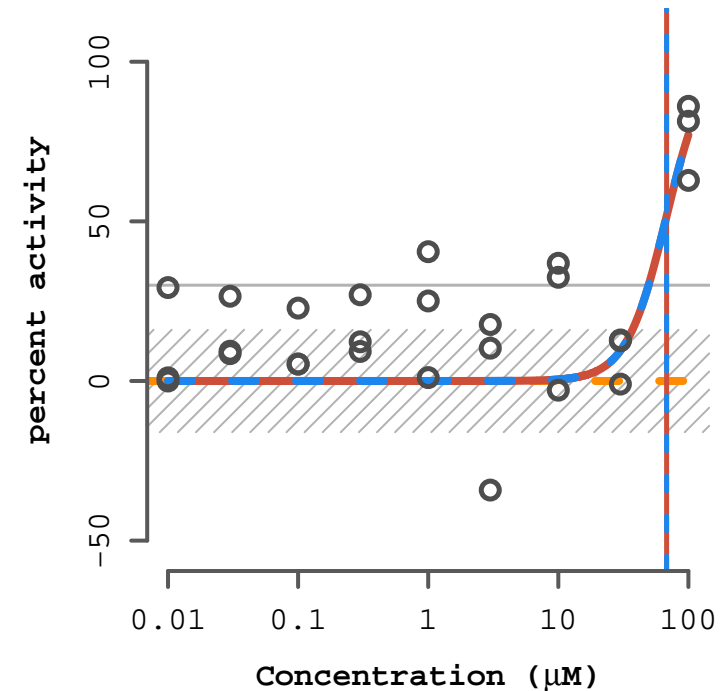
	tp	ga	gw	la	lw
val:	91.5	1.53	8	2.09	9.74
sd:	111	0.176	24.5	0.0426	23.1

	CNST	HILL	GNLS
AIC:	271.19	251.74	255.74
PROB:	0	0.88	0.12
RMSE:	35.74	21.9	21.9

MAX\_MEAN: 80.6 MAX\_MED: 83.1 BMAD: 12.2

COFF: 36.6 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS: 6



ASSAY: AEID2787 (MUNDY\_HCI\_Cortical\_Synap&Neur\_Matur\_1

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36488887

HILL MODEL (in red):

	tp	ga	gw
val:	103	1.83	2.8
sd:	174	0.766	4.62

GAIN-LOSS MODEL (in blue):

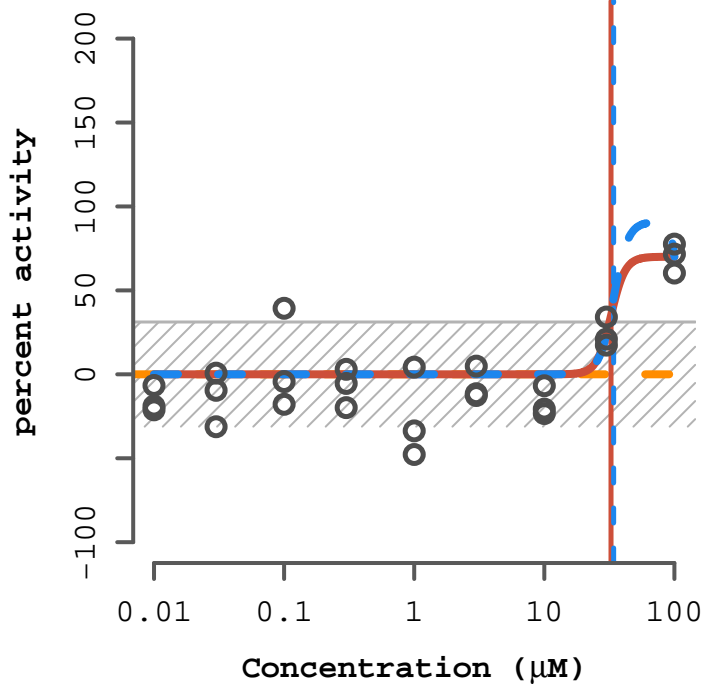
	tp	ga	gw	la	lw
val:	103	1.83	2.8	3.93	17.7
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	263.49	245.67	249.67
PROB:	0	0.88	0.12
RMSE:	32.11	19.17	19.17

MAX\_MEAN: 76.7 MAX\_MED: 81.4 BMAD: 5.35

COFF: 30 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS:



ASSAY: AEID2788 (MUNDY\_HCI\_Cortical\_Synap&Neur\_Matur\_)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36489517

HILL MODEL (in red):

	tp	ga	gw
val:	70	1.51	8
sd:	8.17	0.11	23.8

GAIN-LOSS MODEL (in blue):

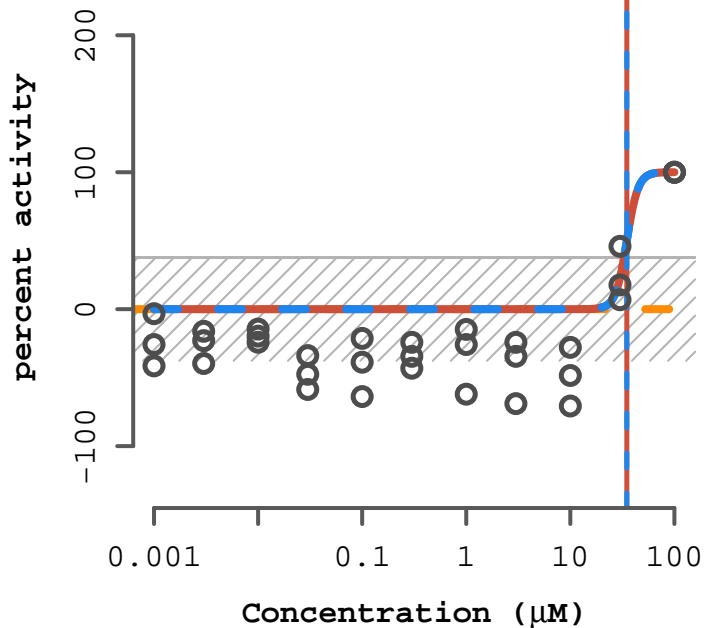
	tp	ga	gw	la	lw
val:	90.9	1.53	8	2.03	16.6
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	263.08	242.21	246.21
PROB:	0	0.88	0.12
RMSE:	30.85	18.56	18.56

MAX\_MEAN: 69.9 MAX\_MED: 71.7 BMAD: 10.4

COFF: 31.2 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS: 6



ASSAY: AEID2789 (MUNDY\_HCI\_hn2\_NOG\_BPCount\_loss)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36488460

HILL MODEL (in red):

	tp	ga	gw
val:	100	1.54	8
sd:	16.4	0.338	40.4

GAIN-LOSS MODEL (in blue):

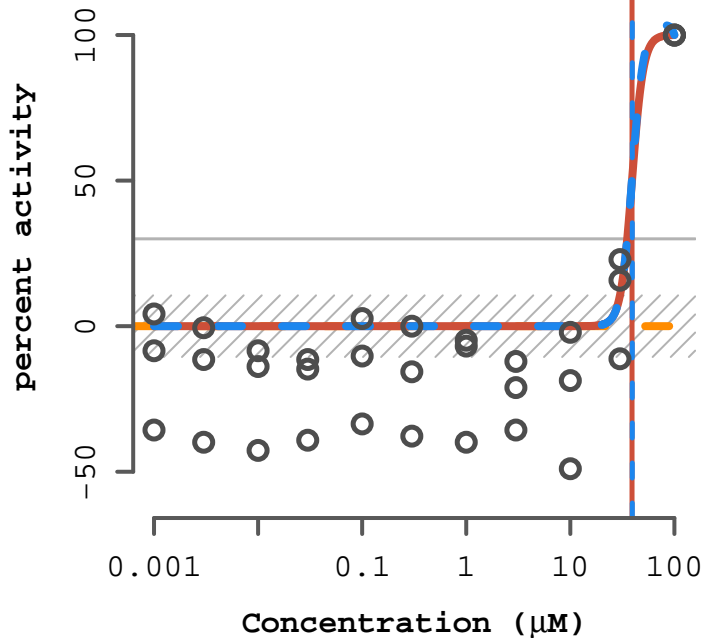
	tp	ga	gw	la	lw
val:	100	1.54	8	2.51	7.26
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	353.27	341.89	345.89
PROB:	0	0.88	0.12
RMSE:	47.44	35.94	35.94

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 12.6

COFF: 37.7 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS: 6



ASSAY: AEID2790 (MUNDY\_HCI\_hN2\_NOG\_NeuriteCount\_loss)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36488347

HILL MODEL (in red):

	tp	ga	gw
val:	100	1.59	8
sd:	11.4	1.42	97.7

GAIN-LOSS MODEL (in blue):

	tp	ga	gw	la	lw
val:	104	1.6	7.97	2.1	14.5
sd:	247	1.41	94.9	0.0677	258

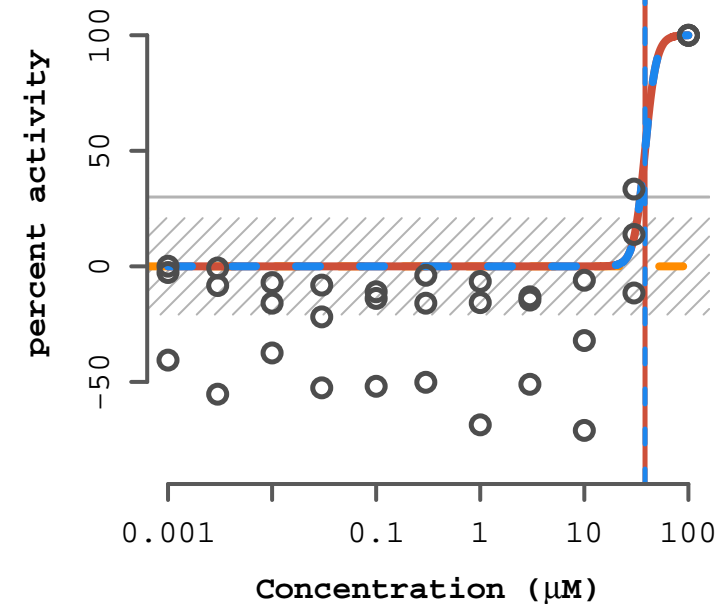
	CNST	HILL	GNLS
AIC:	330.76	308.71	312.71
PROB:	0	0.88	0.12
RMSE:	37.79	22.62	22.62

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 3.53

COFF: 30 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS:





ASSAY: AEID2791 (MUNDY\_HCI\_hn2\_NOG\_NeuriteLength\_loss)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36488258

HILL MODEL (in red):

	tp	ga	gw
val:	100	1.58	8
sd:	12.7	0.991	73.9

GAIN-LOSS MODEL (in blue):

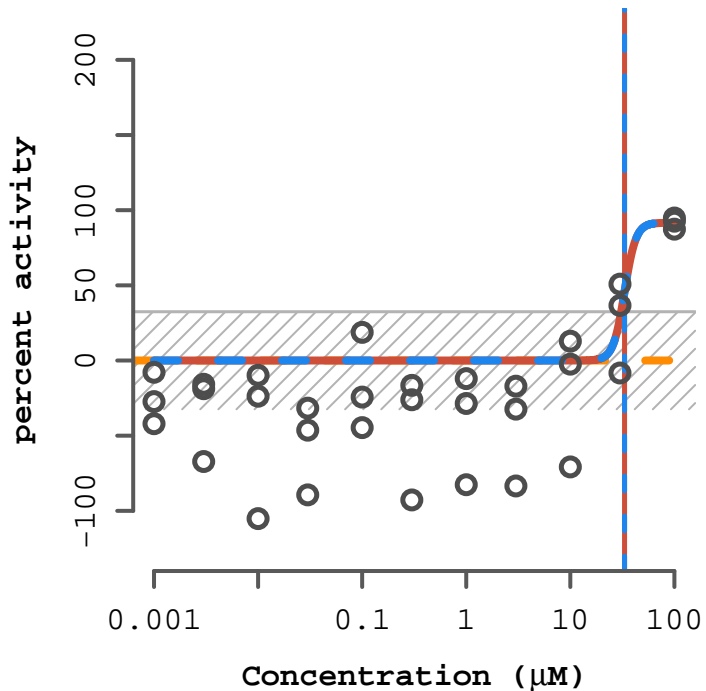
	tp	ga	gw	la	lw
val:	100	1.58	8	3.3	4.2
sd:	13.5	1.06	78.8	3120	10000

	CNST	HILL	GNLS
AIC:	343.07	326.79	330.79
PROB:	0	0.88	0.12
RMSE:	43.03	30.49	30.49

MAX\_MEAN: 100 MAX\_MED: 100 BMAD: 6.96

COFF: 30 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS: 10; 6



ASSAY: AEID2792 (MUNDY\_HCI\_hN2\_NOG\_NeuronCount\_loss)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36488162

HILL MODEL (in red):

	tp	ga	gw
val:	91.6	1.52	8
sd:	18.2	0.355	63.8

GAIN-LOSS MODEL (in blue):

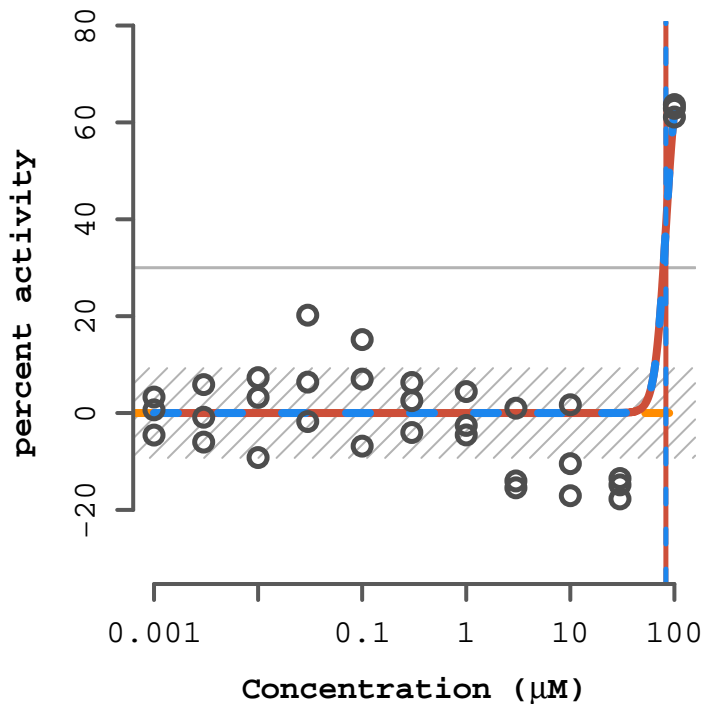
	tp	ga	gw	la	lw
val:	91.7	1.52	8	2.74	7.16
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	360.63	352.73	356.73
PROB:	0.02	0.87	0.12
RMSE:	53.23	44.79	44.79

MAX\_MEAN: 91.6 MAX\_MED: 92.7 BMAD: 10.8

COFF: 32.5 HIT-CALL: 1 FITC: 41 ACTP: 0.98

FLAGS: 10



ASSAY: AEID2793 (MUNDY\_HCI\_hNPl\_Casp3\_7\_gain)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36488137

HILL MODEL (in red):

	tp	ga	gw
val:	76.4	1.92	8
sd:	46.9	0.119	9.68

GAIN-LOSS MODEL (in blue):

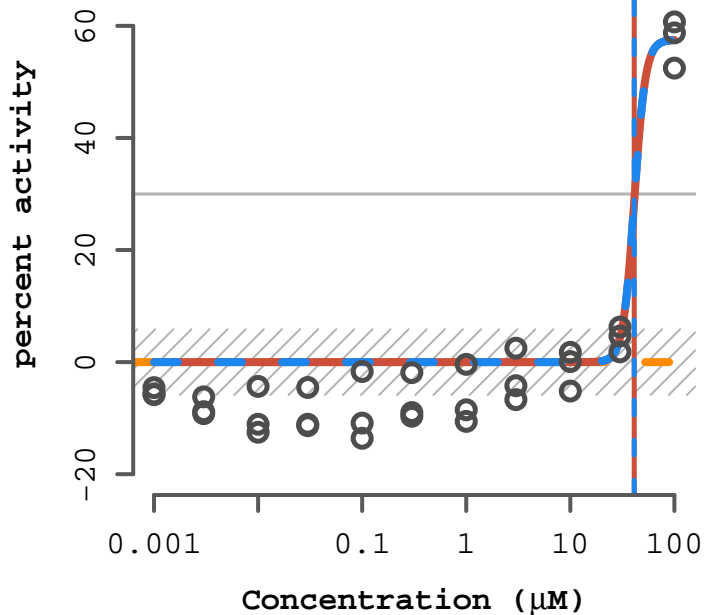
	tp	ga	gw	la	lw
val:	76.4	1.92	8	3.94	16.3
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	281.14	248.38	252.38
PROB:	0	0.88	0.12
RMSE:	20.92	9.04	9.04

MAX\_MEAN: 62.6 MAX\_MED: 62.9 BMAD: 3.09

COFF: 30 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS: 6



ASSAY: AEID2794 (MUNDY\_HCI\_hNP1\_CellTiter\_loss)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36488805

HILL MODEL (in red):

	tp	ga	gw
val:	57.5	1.61	8
sd:	NaN	NaN	NaN

GAIN-LOSS MODEL (in blue):

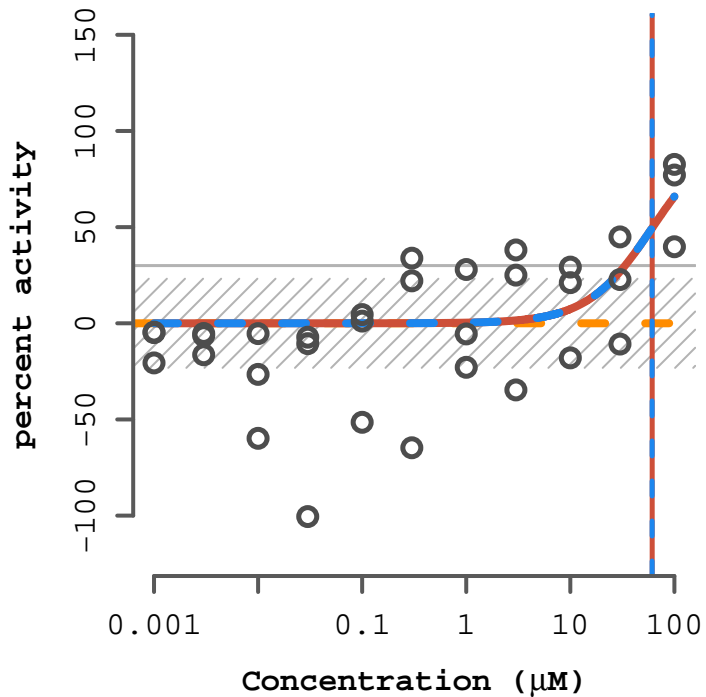
	tp	ga	gw	la	lw
val:	57.5	1.61	8	3.92	4.56
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	270.55	235.22	239.22
PROB:	0	0.88	0.12
RMSE:	18.73	7.12	7.12

MAX\_MEAN: 57.3 MAX\_MED: 58.8 BMAD: 1.96

COFF: 30 HIT-CALL: 1 FITC: 41 ACTP: 1

FLAGS: 6



ASSAY: AEID2796 (MUNDY\_HCI\_hNPl\_Pro\_ObjectCount\_loss)

NAME: Malathion

CHID: 20791 CASRN: 121-75-5

SPID(S): EPAPLT0167G08

M4ID: 36489573

HILL MODEL (in red):

	tp	ga	gw
val:	99.1	1.79	1.39
sd:	87.6	0.628	1.52

GAIN-LOSS MODEL (in blue):

	tp	ga	gw	la	lw
val:	99.1	1.79	1.39	3.97	5.82
sd:	88	0.63	1.52	448000	1330000

	CNST	HILL	GNLS
AIC:	335.02	326.96	330.96
PROB:	0.02	0.87	0.12
RMSE:	37.79	31.42	31.42

MAX\_MEAN: 66.5      MAX\_MED: 77.1      BMAD: 7.73

COFF: 30      HIT-CALL: 1      FITC: 42      ACTP: 0.98

FLAGS: 10