

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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36467527

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.82	3.26
sd:	257	0.982	7.86

GAIN-LOSS MODEL (in blue):

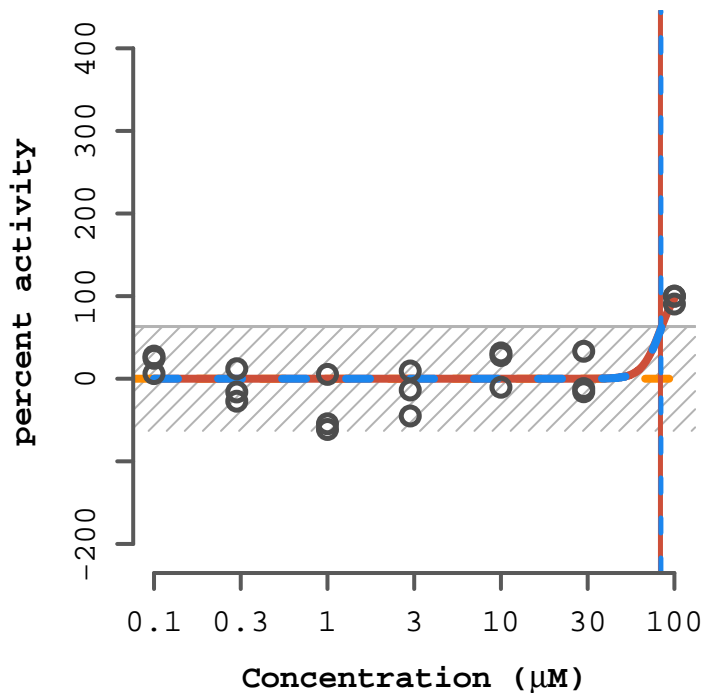
	tp	ga	gw	la	lw
val:	120	1.82	3.26	2.9	8.65
sd:	255	0.976	7.81	3170	30400

	CNST	HILL	GNLS
AIC:	217.78	198.44	202.44
PROB:	0	0.88	0.12
RMSE:	43.17	23.2	23.2

MAX\_MEAN: 95.8      MAX\_MED: 100      BMAD: 20.6

COFF: 61.7      HIT-CALL: 1      FITC: 42      ACTP: 1

FLAGS: 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36468148

HILL MODEL (in red):

	tp	ga	gw
val:	119	1.92	8
sd:	NaN	NaN	NaN

GAIN-LOSS MODEL (in blue):

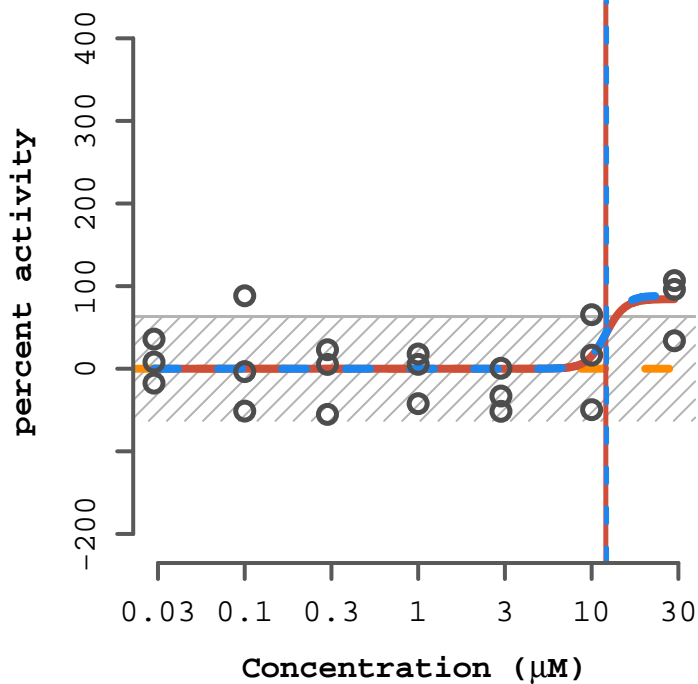
	tp	ga	gw	la	lw
val:	120	1.92	8	2.69	8.42
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	221.43	206.53	210.53
PROB:	0	0.88	0.12
RMSE:	45.34	26.78	26.78

MAX\_MEAN: 96.8 MAX\_MED: 100 BMAD: 21.1

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

FLAGS: 6



ASSAY: AEID2497 (NHEERL\_MEA\_dev\_burst\_rate\_up)

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): EPAPLT0170D06

M4ID: 36467864

HILL MODEL (in red):

	tp	ga	gw
val:	84.2	1.08	8
sd:	22.9	0.951	91.6

GAIN-LOSS MODEL (in blue):

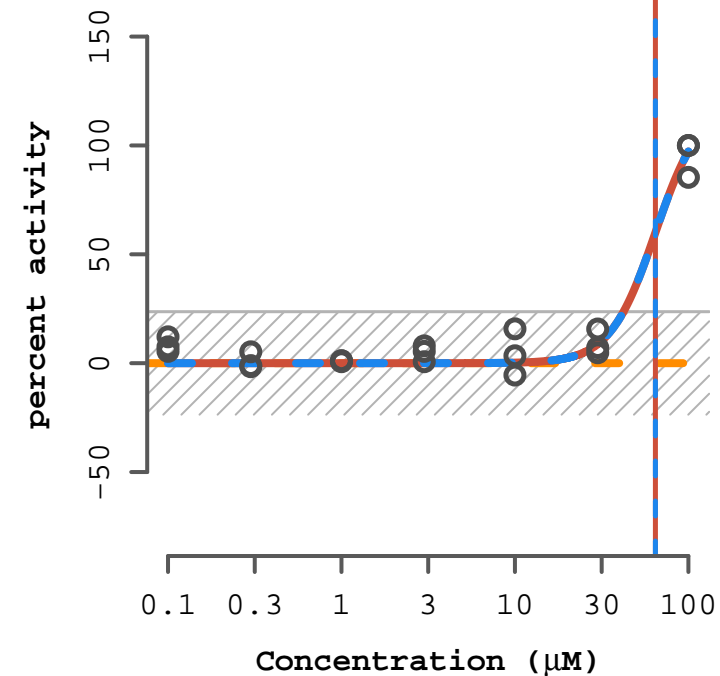
	tp	ga	gw	la	lw
val:	88.7	1.09	7.92	1.58	12.7
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	<b>HILL</b>	GNLS
AIC:	226.21	<b>222.78</b>	226.78
PROB:	0.14	<b>0.76</b>	0.1
RMSE:	48.97	<b>38.72</b>	38.72

MAX\_MEAN: 78.9      MAX\_MED: 96      BMAD: 21.1

COFF: 63.2      HIT-CALL: 1      FITC: 41      ACTP: 0.86

FLAGS: 11; 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36468506

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.81	3.32
sd:	97.1	0.394	2.92

GAIN-LOSS MODEL (in blue):

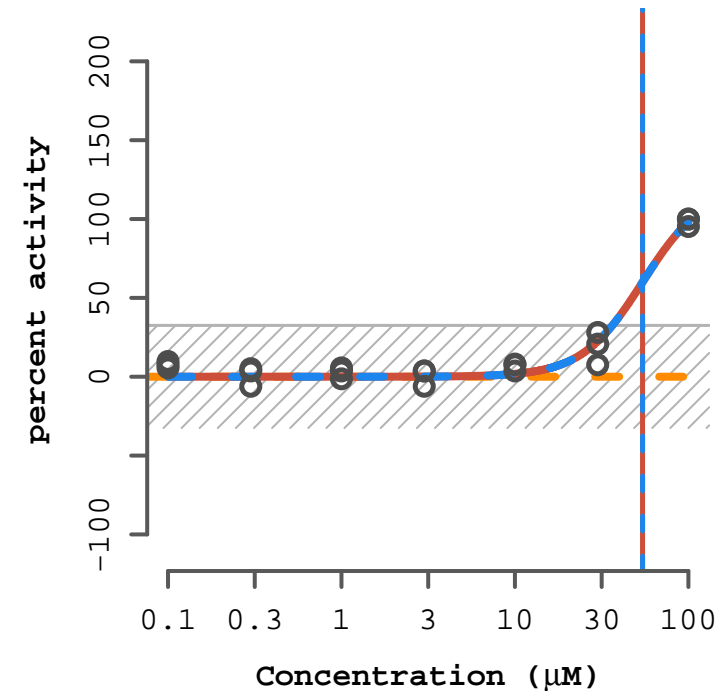
	tp	ga	gw	la	lw
val:	120	1.81	3.32	3	6.88
sd:	96.4	0.392	2.9	1040	7190

	CNST	HILL	GNLS
AIC:	197.21	146.14	150.14
PROB:	0	0.88	0.12
RMSE:	36.68	6.43	6.43

MAX\_MEAN: 95.1 MAX\_MED: 100 BMAD: 7.88

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

FLAGS: 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36468957

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.74	2.47
sd:	33.8	0.159	1.08

GAIN-LOSS MODEL (in blue):

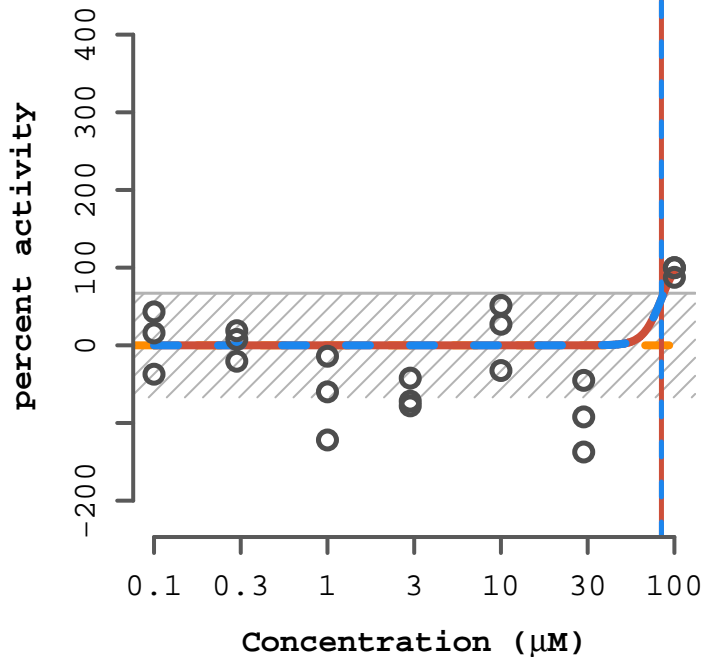
	tp	ga	gw	la	lw
val:	120	1.74	2.47	4	13.3
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	202.04	143.37	147.37
PROB:	0	0.88	0.12
RMSE:	38.34	5.84	5.84

MAX\_MEAN: 98.4 MAX\_MED: 100 BMAD: 10.8

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

FLAGS: 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36469512

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.93	8
sd:	518	1.07	21

GAIN-LOSS MODEL (in blue):

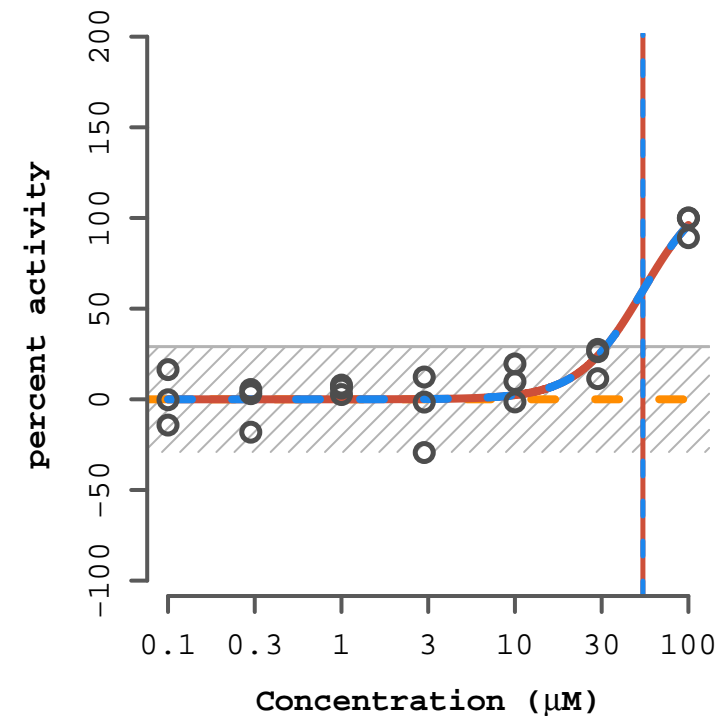
	tp	ga	gw	la	lw
val:	120	1.93	8	2.63	7.33
sd:	414	0.853	20.1	206	2410

	CNST	HILL	GNLS
AIC:	241.21	238.2	242.2
PROB:	0.16	0.74	0.1
RMSE:	68.12	57.69	57.69

MAX\_MEAN: 95.9 MAX\_MED: 100 BMAD: 22.4

COFF: 67.1 HIT-CALL: 1 FITC: 42 ACTP: 0.84

FLAGS: 11; 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36469970

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.74	2.31
sd:	50.6	0.244	1.4

GAIN-LOSS MODEL (in blue):

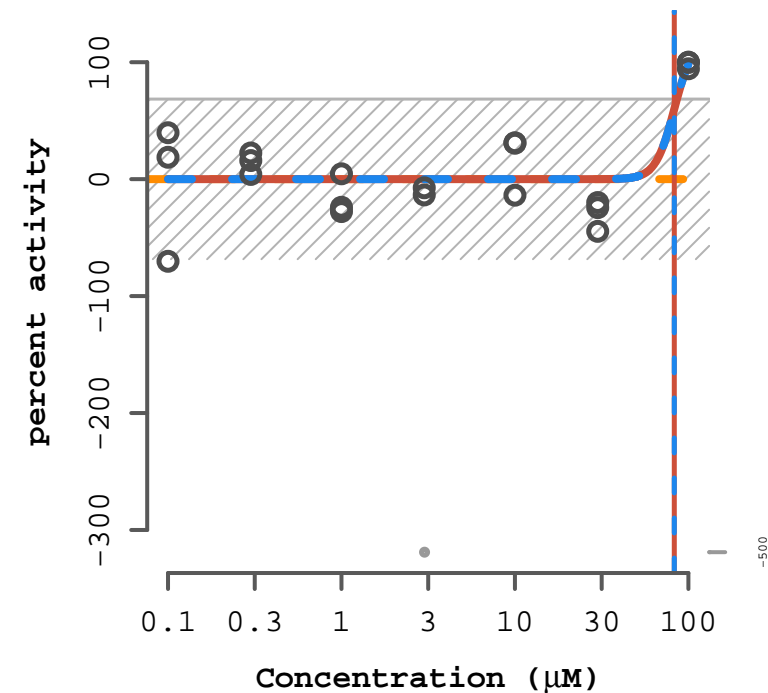
	tp	ga	gw	la	lw
val:	120	1.74	2.31	3.99	12.9
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	208.53	168.64	172.64
PROB:	0	0.88	0.12
RMSE:	39.02	11.1	11.1

MAX\_MEAN: 96.4 MAX\_MED: 100 BMAD: 9.69

COFF: 29.1 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS: 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36470509 BRK

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.92	8
sd:	471	1.1	15.6

GAIN-LOSS MODEL (in blue):

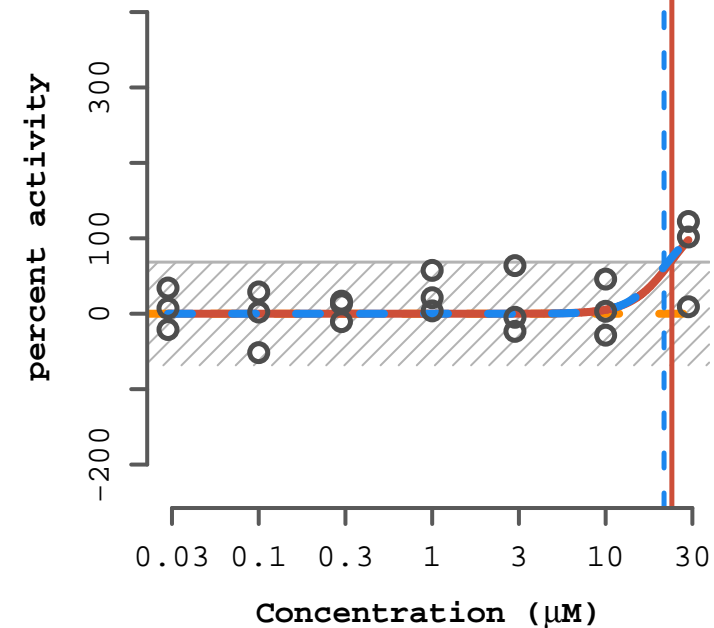
	tp	ga	gw	la	lw
val:	120	1.92	8	3.98	17.5
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	239.97	228.75	232.75
PROB:	0	0.88	0.12
RMSE:	118.86	112.92	112.92

MAX\_MEAN: 98.1 MAX\_MED: 100 BMAD: 22.8

COFF: 68.4 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS: 10; 6



ASSAY: AEID2507 (NHEERL\_MEA\_dev\_burst\_duration\_mean\_u)

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): EPAPLT0170D06

M4ID: 36470313

HILL MODEL (in red):

	tp	ga	gw
val:	141	1.38	3.71
sd:	3080	7.19	45.2

GAIN-LOSS MODEL (in blue):

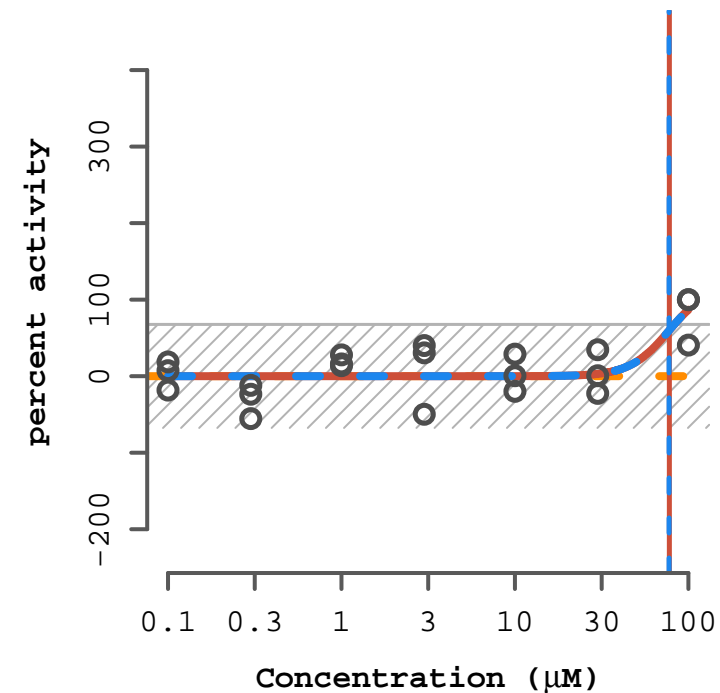
	tp	ga	gw	la	lw
val:	124	1.34	4.05	2.81	15.7
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	219.38	216.72	220.72
PROB:	0.19	0.71	0.1
RMSE:	44.98	34.75	34.75

MAX\_MEAN: 77.8 MAX\_MED: 102 BMAD: 22.8

COFF: 68.4 HIT-CALL: 1 FITC: 42 ACTP: 0.81

FLAGS: 11; 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36470946

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.89	3.84
sd:	1950	5.65	36.8

GAIN-LOSS MODEL (in blue):

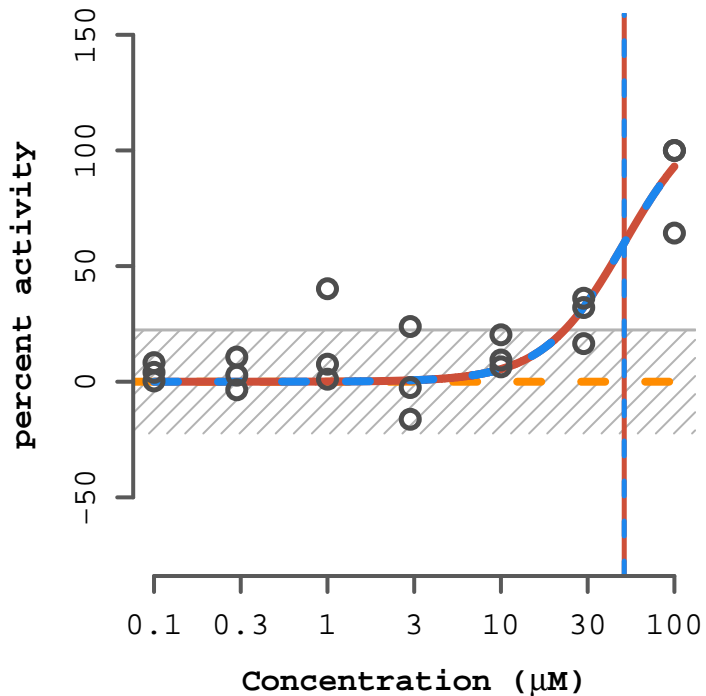
	tp	ga	gw	la	lw
val:	119	1.89	3.85	2.73	17.6
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	216.96	209.52	213.52
PROB:	0.02	0.86	0.12
RMSE:	41.01	27.68	27.68

MAX\_MEAN: 80.2 MAX\_MED: 100 BMAD: 22.5

COFF: 67.6 HIT-CALL: 1 FITC: 42 ACTP: 0.98

FLAGS: 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36471869

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.71	1.86
sd:	35	0.18	0.754

GAIN-LOSS MODEL (in blue):

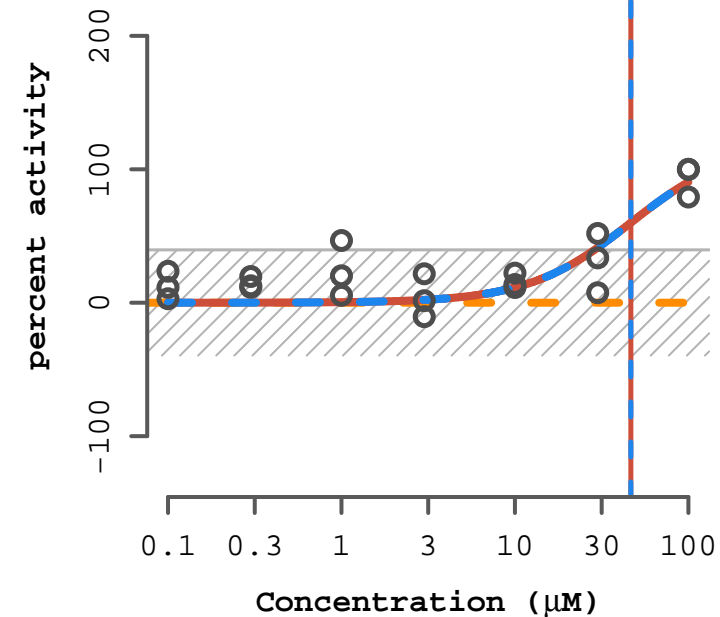
	tp	ga	gw	la	lw
val:	120	1.71	1.86	2.52	18
sd:	35	0.18	0.753	850	28200

	CNST	HILL	GNLS
AIC:	209.21	175.97	179.97
PROB:	0	0.88	0.12
RMSE:	37.81	14.06	14.06

MAX\_MEAN: 88.1 MAX\_MED: 100 BMAD: 7.46

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

FLAGS:



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36472274

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.67	1.46
sd:	35.8	0.226	0.609

GAIN-LOSS MODEL (in blue):

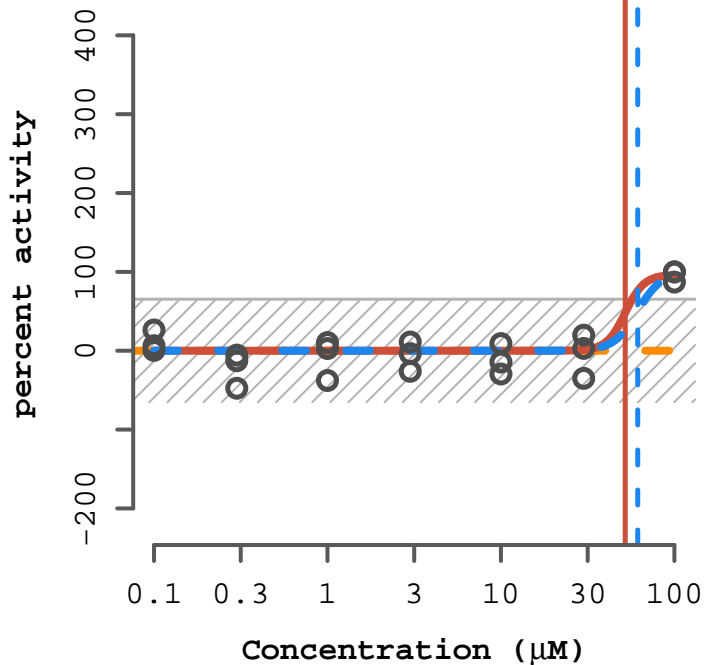
	tp	ga	gw	la	lw
val:	120	1.67	1.46	2.89	18
sd:	35.8	0.226	0.609	4690	806000

	CNST	HILL	GNLS
AIC:	215.18	187.02	191.02
PROB:	0	0.88	0.12
RMSE:	41.15	17.2	17.2

MAX\_MEAN: 93.1 MAX\_MED: 100 BMAD: 13.2

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

FLAGS: 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36472763

HILL MODEL (in red):

	tp	ga	gw
val:	96.4	1.72	7.98
sd:	164	7.89	258

GAIN-LOSS MODEL (in blue):

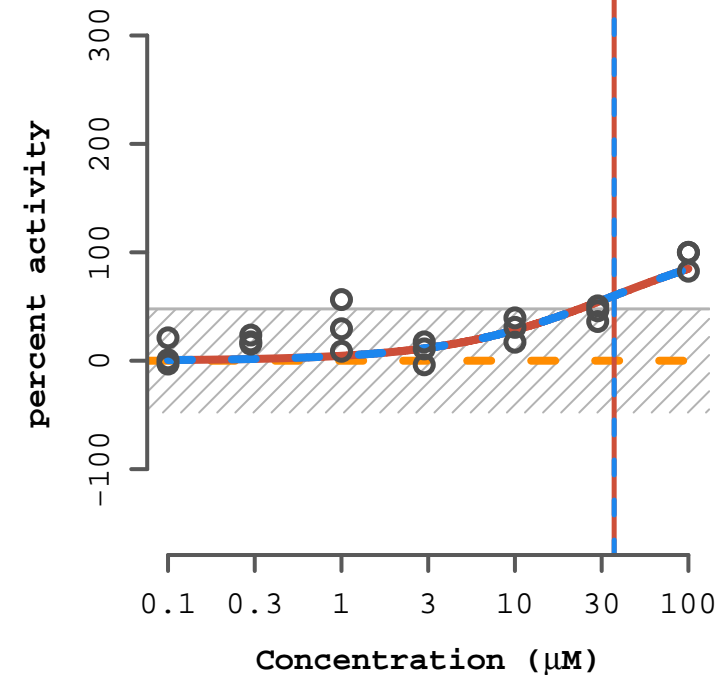
	tp	ga	gw	la	lw
val:	100	1.79	6.23	2.28	17.7
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	<b>HILL</b>	GNLS
AIC:	214.86	<b>193.7</b>	197.7
PROB:	0	<b>0.88</b>	0.12
RMSE:	41.35	<b>20.08</b>	20.08

MAX\_MEAN: 95.7      MAX\_MED: 100      BMAD: 21.8

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

FLAGS: 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36473929

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.57	0.894
sd:	30.2	0.271	0.301

GAIN-LOSS MODEL (in blue):

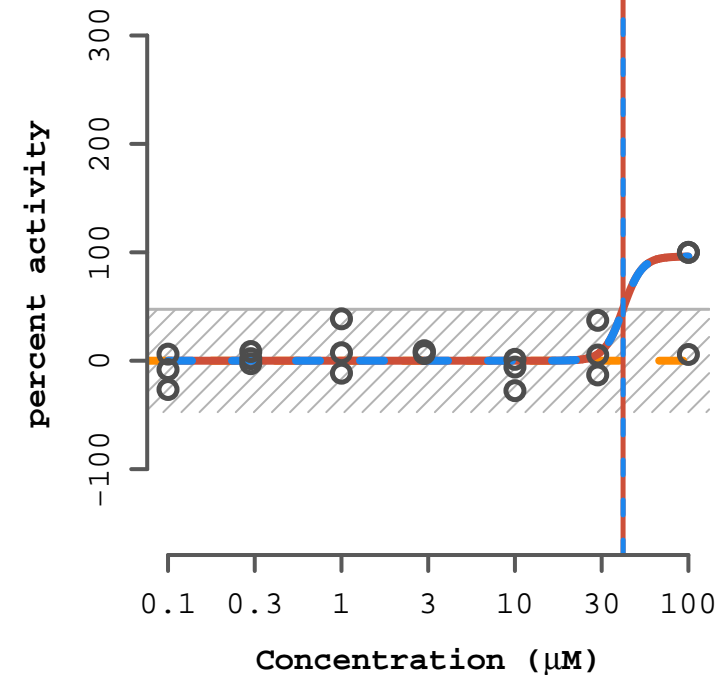
	tp	ga	gw	la	lw
val:	120	1.57	0.893	2.63	14.7
sd:	30.2	0.271	0.301	761	17700

	CNST	HILL	GNLS
AIC:	221.02	185.34	189.34
PROB:	0	0.88	0.12
RMSE:	44.59	17.03	17.02

MAX\_MEAN: 94.2 MAX\_MED: 100 BMAD: 15.9

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

FLAGS: 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36474376

HILL MODEL (in red):

	tp	ga	gw
val:	96.1	1.62	8
sd:	21.1	3.09	168

GAIN-LOSS MODEL (in blue):

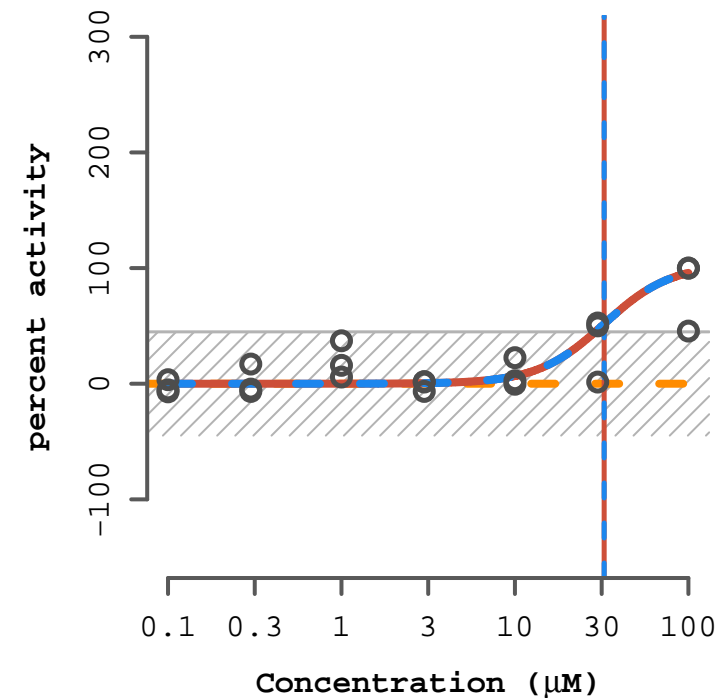
	tp	ga	gw	la	lw
val:	96.1	1.62	7.98	2.33	18
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	<b>HILL</b>	GNLS
AIC:	201.32	<b>193.96</b>	197.96
PROB:	0.02	<b>0.86</b>	0.12
RMSE:	34.63	<b>24.96</b>	24.96

MAX\_MEAN: 68.6      MAX\_MED: 100      BMAD: 15.8

COFF: 47.4      HIT-CALL: 1      FITC: 41      ACTP: 0.98

FLAGS: 6



ASSAY: AEID2524 (NHEERL\_MEA\_dev\_correlation\_coefficie

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36474777

HILL MODEL (in red):

	tp	ga	gw
val:	103	1.51	2.26
sd:	16.9	0.11	1.19

GAIN-LOSS MODEL (in blue):

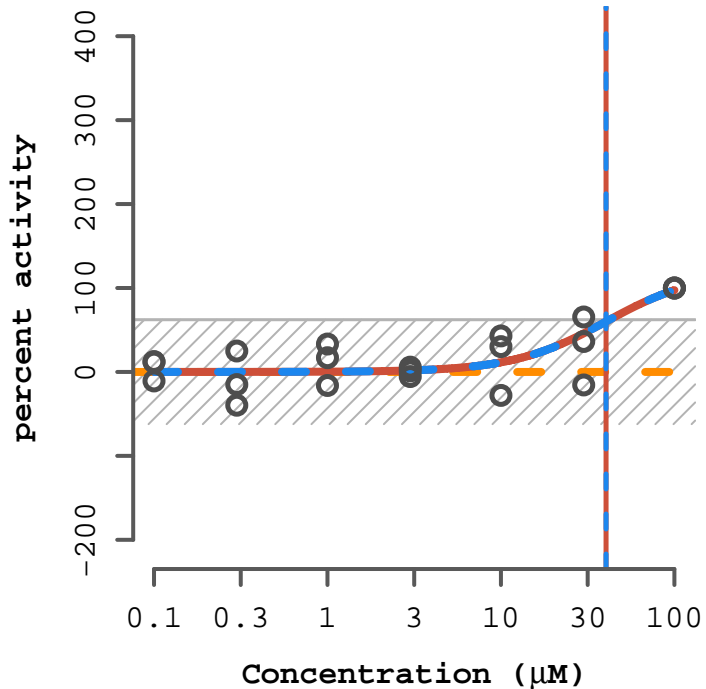
	tp	ga	gw	la	lw
val:	103	1.51	2.26	2.9	12.3
sd:	16.9	0.11	1.19	490000	2320000

	CNST	HILL	GNLS
AIC:	209.21	184.47	188.47
PROB:	0	0.88	0.12
RMSE:	37.81	18.44	18.44

MAX\_MEAN: 81.9 MAX\_MED: 100 BMAD: 15

COFF: 44.9 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS:



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36475050

HILL MODEL (in red):

	tp	ga	gw
val:	120	1.61	1.61
sd:	39.2	0.238	1.14

GAIN-LOSS MODEL (in blue):

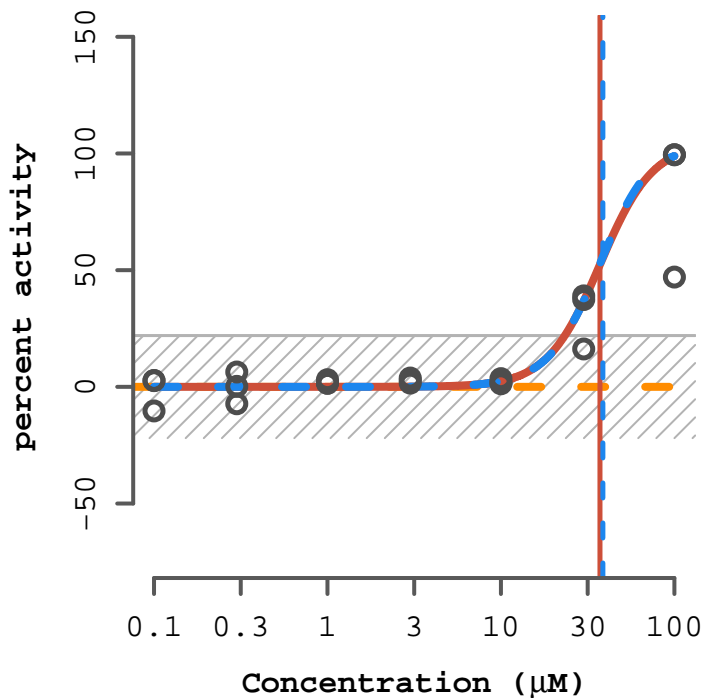
	tp	ga	gw	la	lw
val:	120	1.61	1.61	4	8.19
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	221.2	200.51	204.51
PROB:	0	0.88	0.12
RMSE:	45.74	23.6	23.6

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

COFF: 62.2 HIT-CALL: 1 FITC: 42 ACTP: 1

FLAGS: 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36475387

HILL MODEL (in red):

	tp	ga	gw
val:	105	1.57	2.85
sd:	6.82	0.0452	0.773

GAIN-LOSS MODEL (in blue):

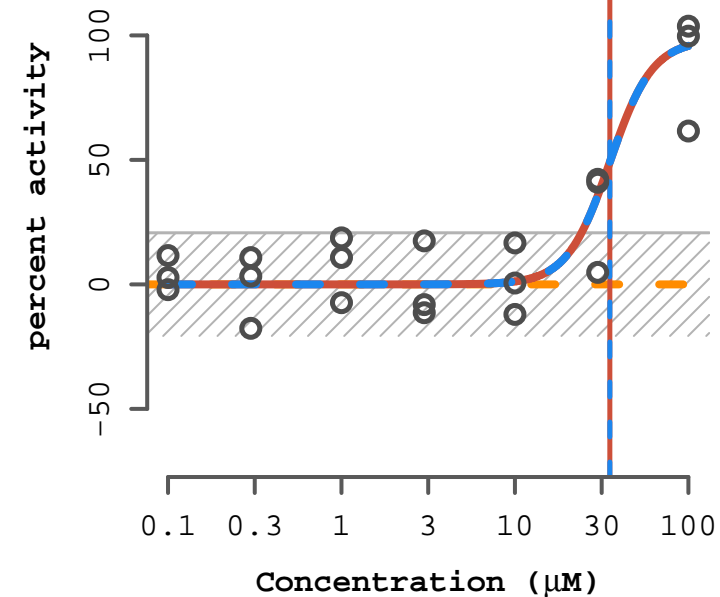
	tp	ga	gw	la	lw
val:	116	1.59	2.83	3.08	0.924
sd:	NaN	NaN	NaN	NaN	NaN

	CNST	HILL	GNLS
AIC:	200.35	151.21	155.21
PROB:	0	0.88	0.12
RMSE:	34.82	12.67	12.67

MAX\_MEAN: 82                      MAX\_MED: 99.5                      BMAD: 7.33

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

FLAGS:



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): TT0000177H01

M4ID: 36475848

HILL MODEL (in red):

	tp	ga	gw
val:	98.3	1.55	3.51
sd:	21.4	0.173	6.26

GAIN-LOSS MODEL (in blue):

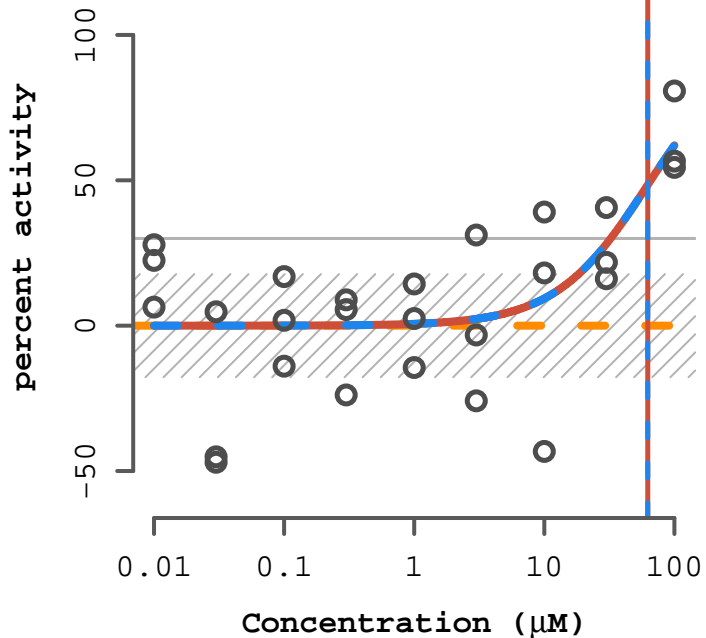
	tp	ga	gw	la	lw
val:	98.3	1.55	3.51	2.55	16.7
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	208.31	180.03	184.03
PROB:	0	0.88	0.12
RMSE:	37.81	14.29	14.29

MAX\_MEAN: 88.3 MAX\_MED: 99.7 BMAD: 6.91

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

FLAGS:



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): EPAPLT0170D06

M4ID: 36489453

HILL MODEL (in red):

	tp	ga	gw
val:	96.9	1.8	1.22
sd:	94.1	0.776	1.05

GAIN-LOSS MODEL (in blue):

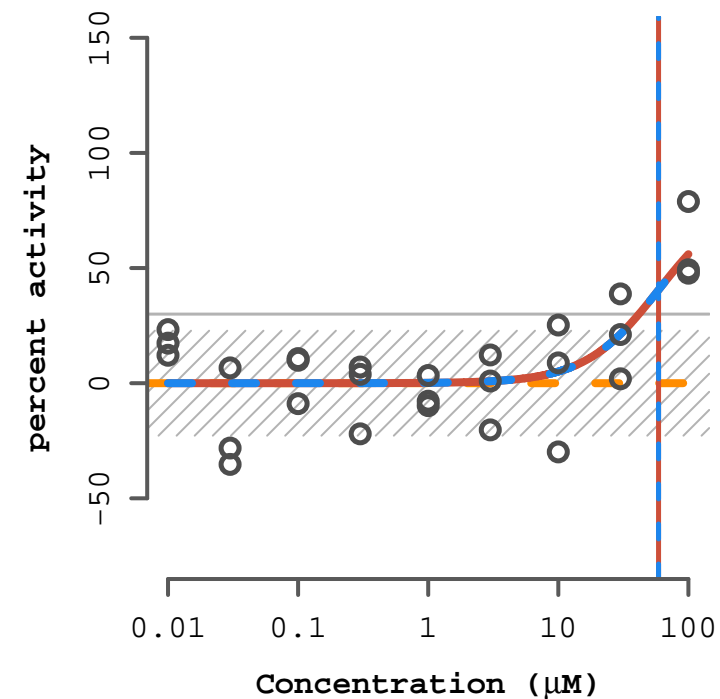
	tp	ga	gw	la	lw
val:	96.9	1.8	1.22	3.96	16.6
sd:	NA	NA	NA	NA	NA

	CNST	HILL	GNLS
AIC:	267.17	252.76	256.76
PROB:	0	0.88	0.12
RMSE:	31.98	22.22	22.22

MAX\_MEAN: 63.9 MAX\_MED: 56.6 BMAD: 5.91

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

FLAGS:



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): EPAPLT0170D06

M4ID: 36489294

HILL MODEL (in red):

	tp	ga	gw
val:	81	1.77	1.53
sd:	108	0.934	1.84

GAIN-LOSS MODEL (in blue):

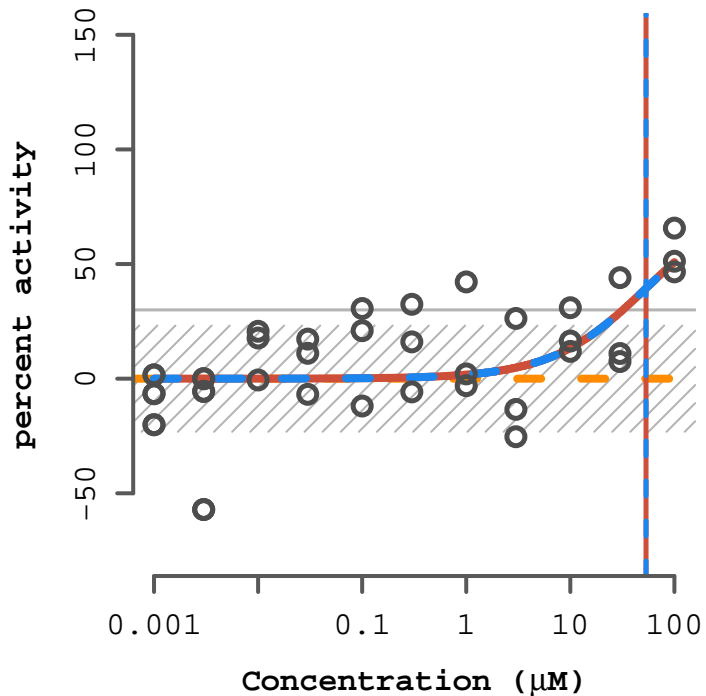
	tp	ga	gw	la	lw
val:	81	1.77	1.53	3.99	4.49
sd:	108	0.934	1.83	63000	143000

	CNST	<b>HILL</b>	GNLS
AIC:	254.7	<b>239.43</b>	243.43
PROB:	0	<b>0.88</b>	0.12
RMSE:	26.63	<b>16.8</b>	16.8

MAX\_MEAN: 58.7 MAX\_MED: 49.3 BMAD: 7.6

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

FLAGS: 17; 6



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

NAME: Diazinon

CHID: 20407 CASRN: 333-41-5

SPID(S): EPAPLT0170D06

M4ID: 36489617

HILL MODEL (in red):

	tp	ga	gw
val:	78.8	1.73	0.95
sd:	51.8	0.671	0.685

GAIN-LOSS MODEL (in blue):

	tp	ga	gw	la	lw
val:	78.8	1.73	0.95	3.58	4.87
sd:	51.8	0.67	0.685	1250	3870

	CNST	HILL	GNLS
AIC:	368.26	352.56	356.56
PROB:	0	0.88	0.12
RMSE:	26.53	20.51	20.51

MAX\_MEAN: 54.5 MAX\_MED: 51.2 BMAD: 7.73

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

FLAGS: 6