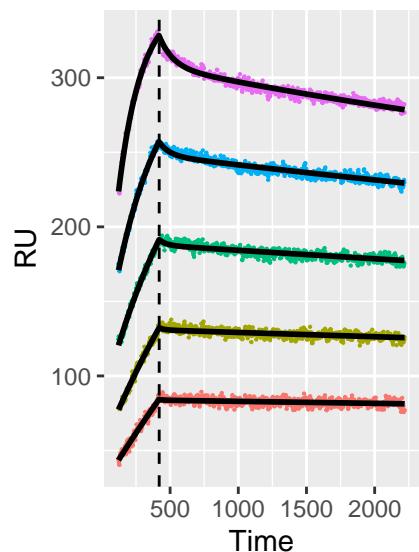
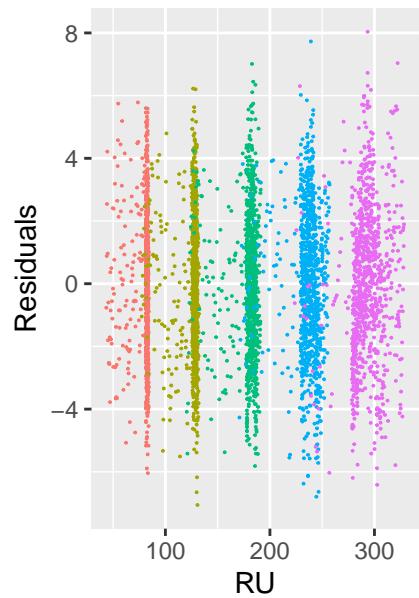


CH505

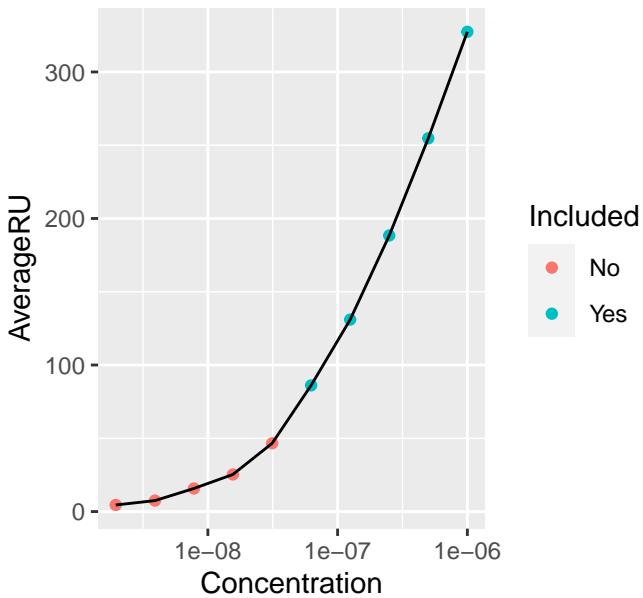
Bivalent Analyte Model–1 with Extended Length of Dissociation



Residuals

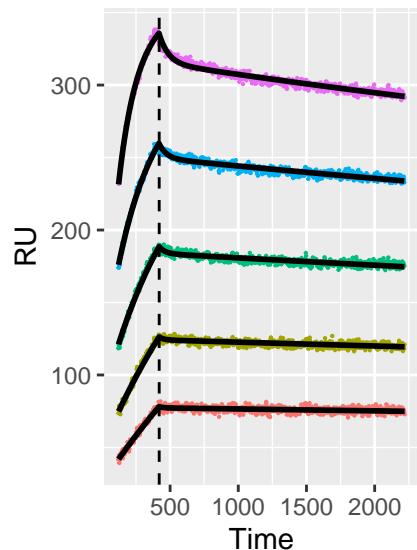
 $ka_1$  1.55e+03 3.47e+01 $ka_2$  4.08e-05 1.57e-06 $kd_1$  5.02e-03 1.85e-04 $kd_2$  5.96e-05 1.07e-06 $R_{max}$  1 9.43e+02 2.06e+01 $R_{max}$  2 7.86e+02 1.47e+01 $R_{max}$  3 7.08e+02 1.04e+01 $R_{max}$  4 6.91e+02 7.17e+00 $R_{max}$  5 7.27e+02 4.90e+00 $t_0$  1 2.80e+02 4.37e+00 $t_0$  2 3.25e+02 3.52e+00 $t_0$  3 3.12e+02 3.45e+00 $t_0$  4 2.53e+02 3.80e+00

CH505



CH505

Bivalent Analyte Model–1 with Extended Length of Dissociation

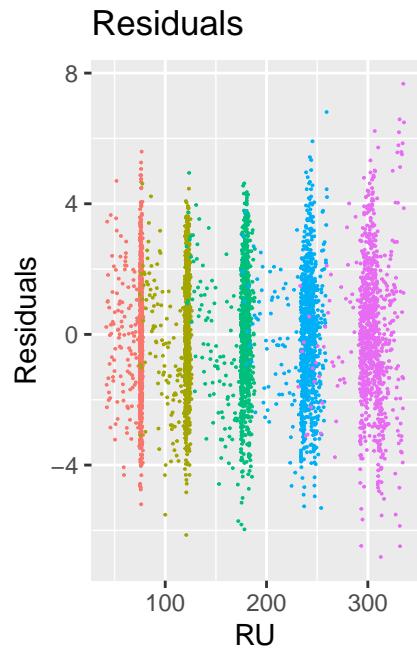


Concentration

- $6.25 \times 10^{-8}$
- $1.25 \times 10^{-7}$
- $2.5 \times 10^{-7}$
- $5 \times 10^{-7}$
- $1 \times 10^{-6}$

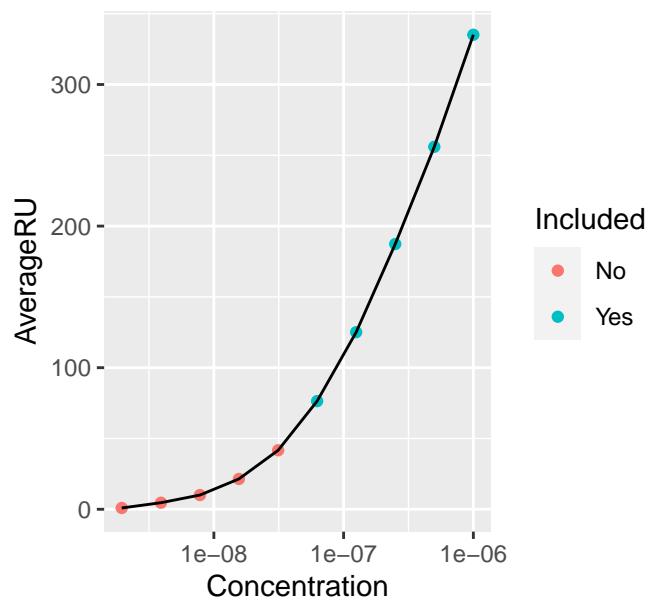
$k_{a1}$	$2.00 \times 10^3$	$3.47 \times 10^1$
$k_{a2}$	$5.07 \times 10^{-5}$	$1.48 \times 10^{-6}$
$k_{d1}$	$8.98 \times 10^{-3}$	$3.03 \times 10^{-4}$
$k_{d2}$	$3.76 \times 10^{-5}$	$5.66 \times 10^{-7}$
$R_{max} 1$	$7.47 \times 10^2$	$1.21 \times 10^1$
$R_{max} 2$	$6.75 \times 10^2$	$9.20 \times 10^0$
$R_{max} 3$	$6.50 \times 10^2$	$6.83 \times 10^0$
$R_{max} 4$	$6.77 \times 10^2$	$4.97 \times 10^0$
$R_{max} 5$	$7.43 \times 10^2$	$3.60 \times 10^0$
$t_0 1$	$2.91 \times 10^2$	$4.21 \times 10^0$
$t_0 2$	$3.15 \times 10^2$	$3.20 \times 10^0$
$t_0 3$	$2.98 \times 10^2$	$3.03 \times 10^0$
$t_0 4$	$2.31 \times 10^2$	$3.03 \times 10^0$

CH505



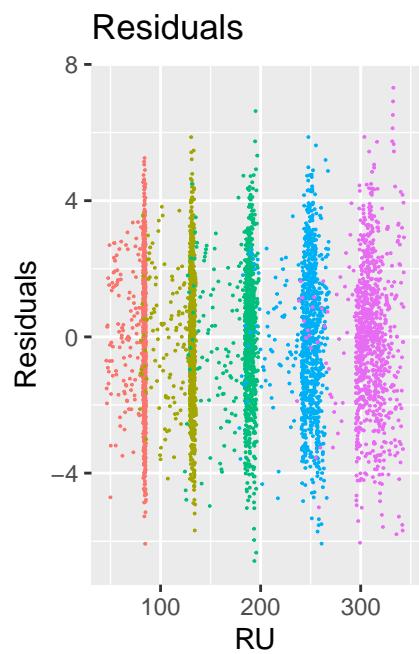
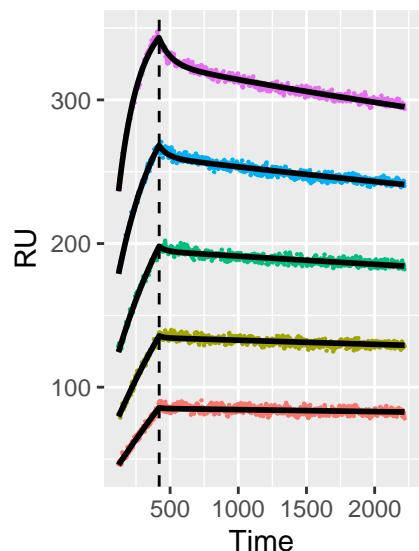
Concentration

- $6.25 \times 10^{-8}$
- $1.25 \times 10^{-7}$
- $2.5 \times 10^{-7}$
- $5 \times 10^{-7}$
- $1 \times 10^{-6}$



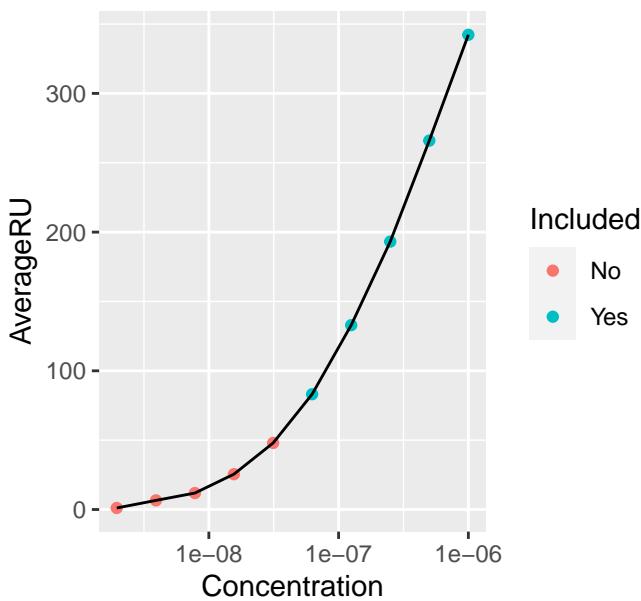
CH505

Bivalent Analyte Model–1 with Extended Length of Dissociation



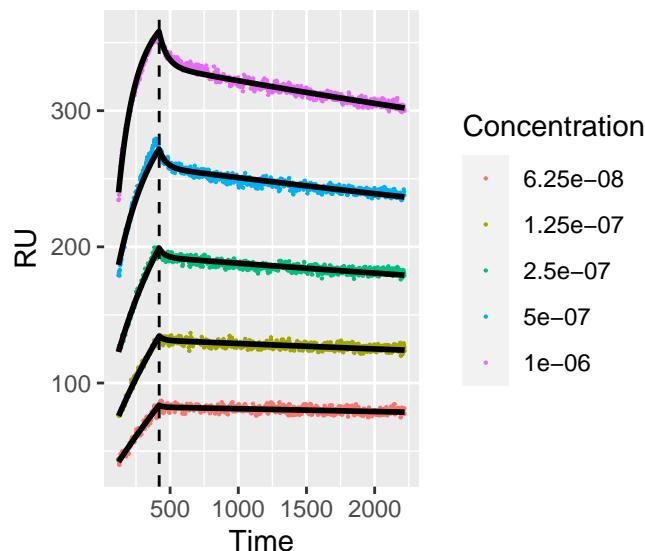
$ka1$	1.74e+03	3.17e+01
$ka2$	5.12e-05	1.77e-06
$kd1$	5.98e-03	2.11e-04
$kd2$	5.63e-05	9.69e-07
$Rmax$ 1	8.49e+02	1.51e+01
$Rmax$ 2	7.45e+02	1.11e+01
$Rmax$ 3	6.93e+02	8.00e+00
$Rmax$ 4	6.96e+02	5.54e+00
$Rmax$ 5	7.49e+02	3.77e+00
$t0$ 1	2.97e+02	4.11e+00
$t0$ 2	3.18e+02	3.06e+00
$t0$ 3	2.98e+02	2.93e+00
$t0$ 4	2.39e+02	3.15e+00

CH505

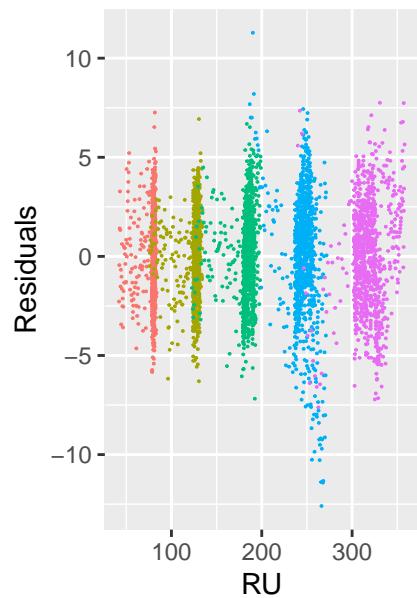


CH505

Bivalent Analyte Model–1 with Extended Length of Dissociation

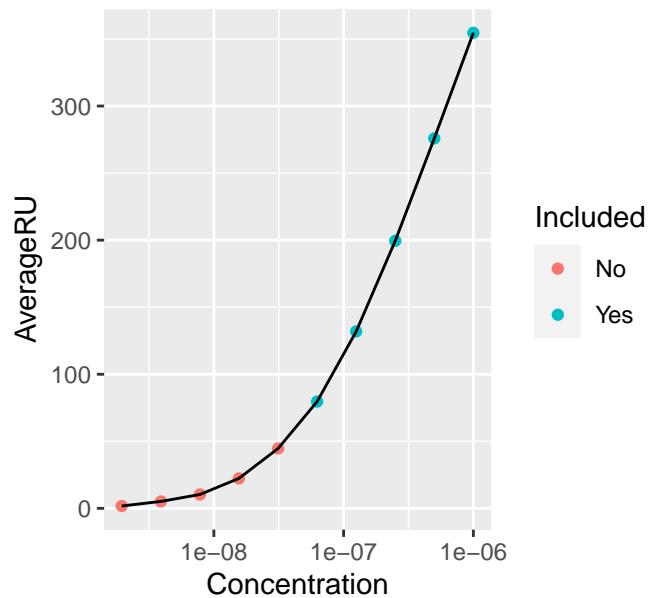


Residuals



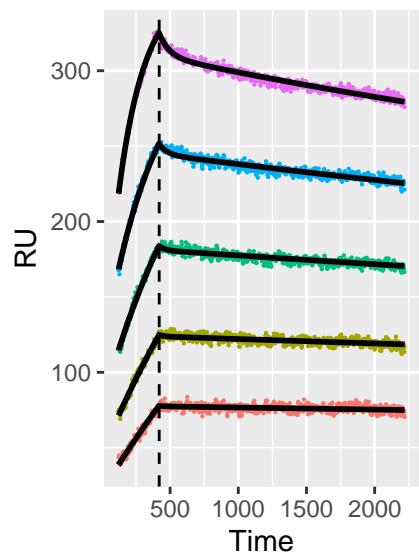
$k_{a1}$	2.32e+03	4.56e+01
$k_{a2}$	4.34e-05	1.31e-06
$k_{d1}$	1.13e-02	3.98e-04
$k_{d2}$	4.42e-05	6.35e-07
$R_{max} 1$	7.99e+02	1.40e+01
$R_{max} 2$	7.24e+02	1.07e+01
$R_{max} 3$	6.96e+02	7.96e+00
$R_{max} 4$	7.09e+02	5.58e+00
$R_{max} 5$	8.00e+02	4.32e+00
$t_0 1$	2.50e+02	4.41e+00
$t_0 2$	2.73e+02	3.41e+00
$t_0 3$	2.58e+02	3.18e+00
$t_0 4$	2.22e+02	3.38e+00

CH505



## CH505

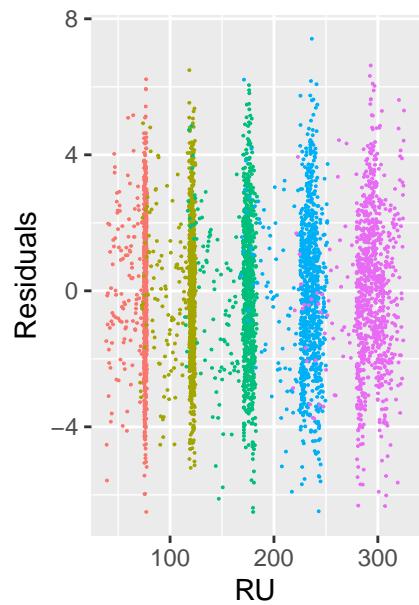
Bivalent Analyte Model–1 with Extended Length of Dissociation



## Concentration

- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06

## Residuals

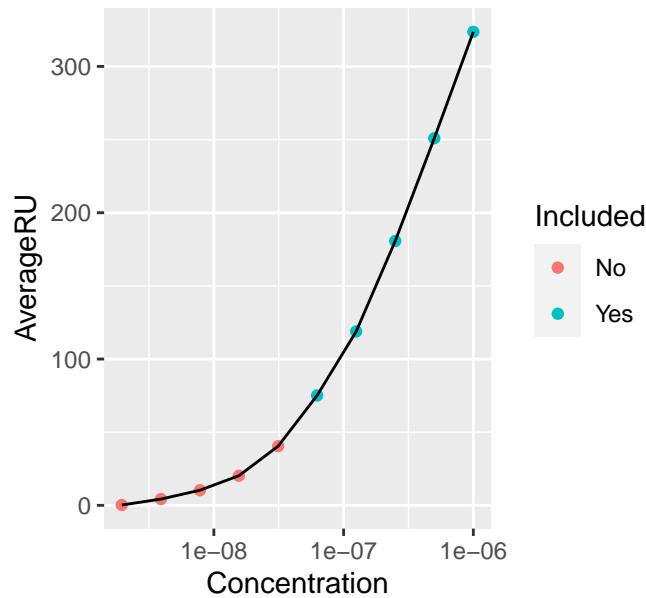


## Concentration

- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06

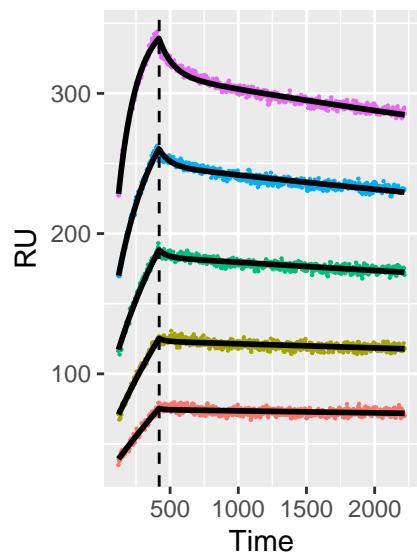
$k_a1$	1.40e+03	3.36e+01
$k_a2$	4.78e-05	2.11e-06
$kd1$	6.82e-03	3.11e-04
$kd2$	6.24e-05	1.29e-06
$R_{max} 1$	9.98e+02	2.33e+01
$R_{max} 2$	8.31e+02	1.69e+01
$R_{max} 3$	7.39e+02	1.20e+01
$R_{max} 4$	7.15e+02	8.31e+00
$R_{max} 5$	7.55e+02	5.86e+00
$t_0 1$	2.62e+02	4.22e+00
$t_0 2$	3.15e+02	3.45e+00
$t_0 3$	3.17e+02	3.52e+00
$t_0 4$	2.73e+02	4.12e+00

## CH505



## CH505

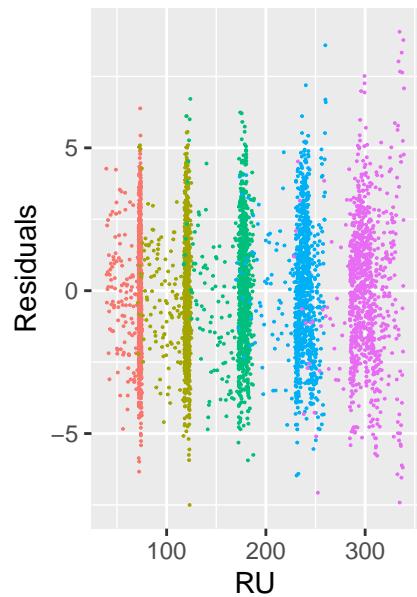
Bivalent Analyte Model–1 with Extended Length of Dissociation



## Concentration

- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06

## Residuals

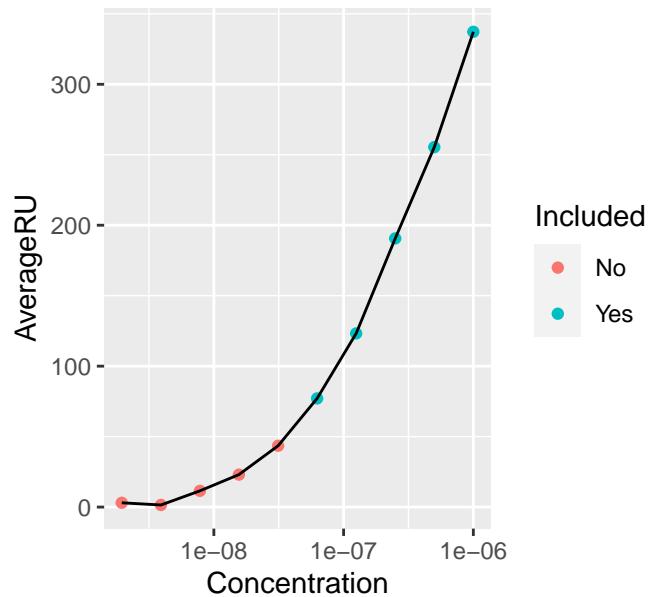


## Concentration

- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06

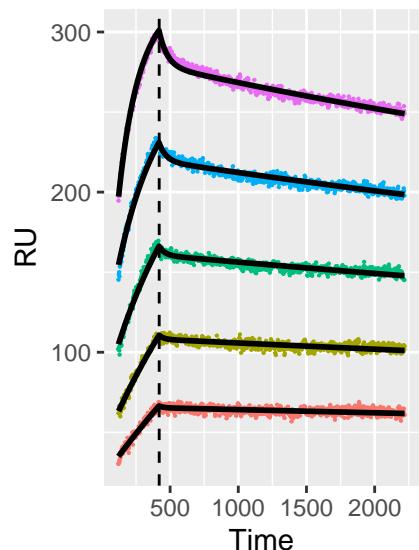
 $ka_1$  1.93e+03 3.31e+01 $ka_2$  4.08e-05 1.21e-06 $kd_1$  5.51e-03 1.65e-04 $kd_2$  5.24e-05 7.77e-07 $R_{max}$  1 7.29e+02 1.28e+01 $R_{max}$  2 6.79e+02 9.96e+00 $R_{max}$  3 6.44e+02 7.24e+00 $R_{max}$  4 6.66e+02 5.21e+00 $R_{max}$  5 7.28e+02 3.66e+00 $t_0$  1 2.76e+02 4.69e+00 $t_0$  2 2.87e+02 3.13e+00 $t_0$  3 2.79e+02 2.86e+00 $t_0$  4 2.15e+02 2.84e+00

## CH505

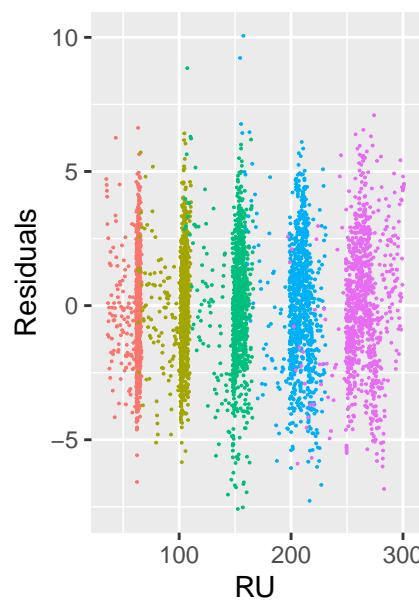


## CH505

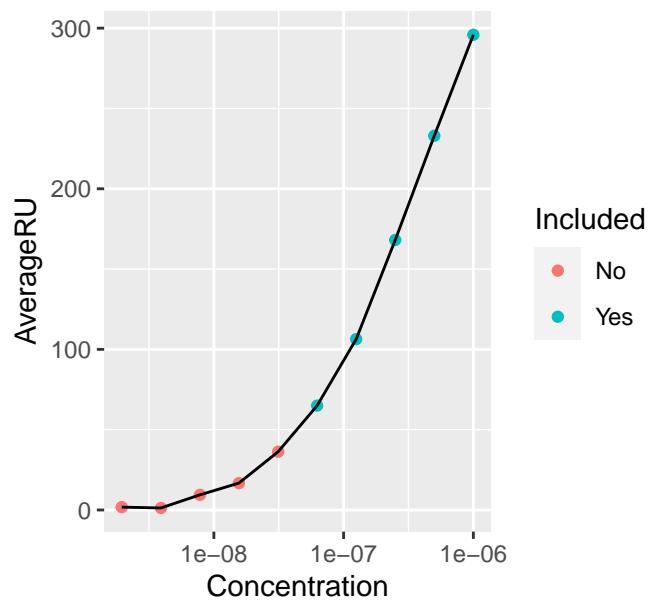
## Bivalent Analyte Model–1 with Extended Length of Dissociation

 $ka_1$  1.99e+03 4.42e+01 $ka_2$  4.42e-05 1.51e-06 $kd_1$  1.06e-02 3.96e-04 $kd_2$  5.35e-05 8.07e-07 $R_{max}$  1 7.03e+02 1.47e+01 $R_{max}$  2 6.56e+02 1.16e+01 $R_{max}$  3 6.19e+02 8.63e+00 $R_{max}$  4 6.36e+02 6.36e+00 $R_{max}$  5 6.94e+02 4.84e+00 $t_0$  1 2.77e+02 5.50e+00 $t_0$  2 2.90e+02 3.89e+00 $t_0$  3 2.88e+02 3.70e+00 $t_0$  4 2.29e+02 3.69e+00

## Residuals

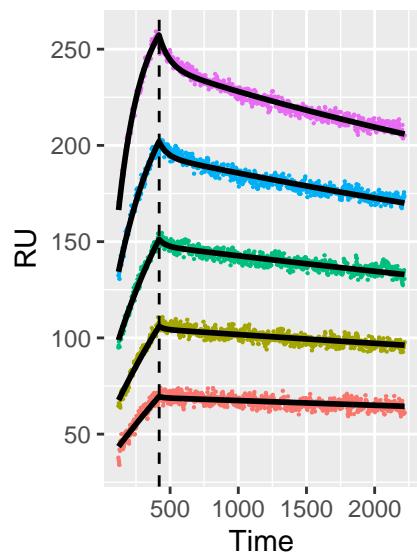


## CH505



## CH505

## Bivalent Analyte Model–1 with Extended Length of Dissociation

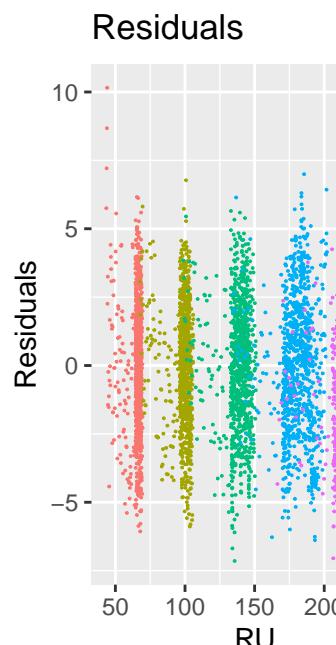


## Concentration

- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06

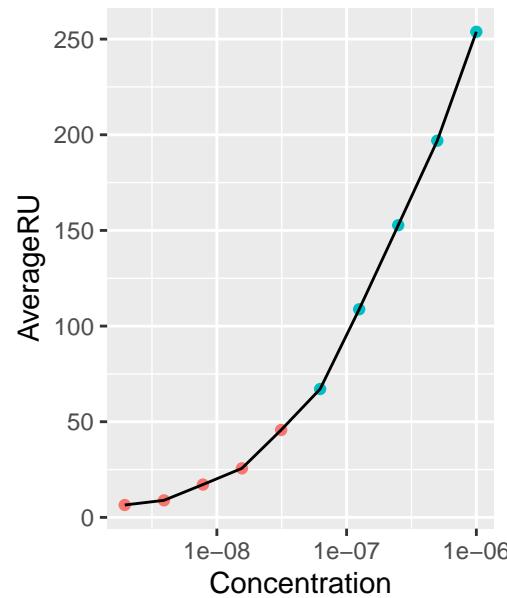
 $ka_1$  1.58e+03 4.42e+01 $ka_2$  5.02e-05 2.45e-06 $kd_1$  7.18e-03 3.19e-04 $kd_2$  8.99e-05 1.85e-06 $R_{max}$  1 6.79e+02 1.85e+01 $R_{max}$  2 6.13e+02 1.42e+01 $R_{max}$  3 5.74e+02 1.06e+01 $R_{max}$  4 5.68e+02 7.69e+00 $R_{max}$  5 5.96e+02 5.62e+00 $t_0$  1 4.22e+02 8.31e+00 $t_0$  2 3.91e+02 5.59e+00 $t_0$  3 3.37e+02 4.83e+00 $t_0$  4 2.52e+02 4.73e+00

## CH505



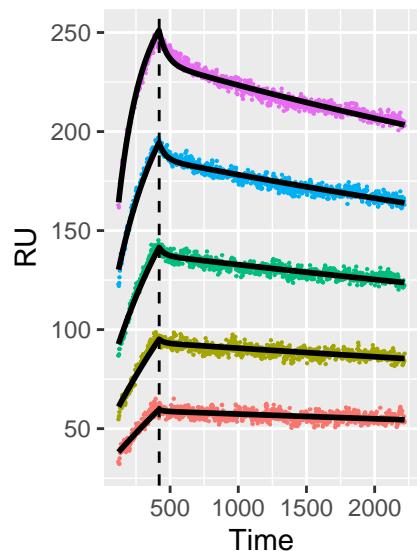
## Concentration

- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06



## CH505

Bivalent Analyte Model–1 with Extended Length of Dissociation

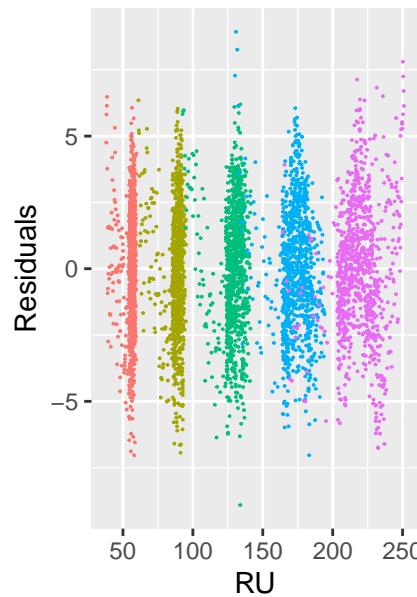


## Concentration

- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06

 $ka1$  1.72e+03 5.47e+01 $ka2$  5.20e-05 2.61e-06 $kd1$  1.07e-02 5.45e-04 $kd2$  7.08e-05 1.46e-06 $Rmax$  1 5.87e+02 1.76e+01 $Rmax$  2 5.64e+02 1.44e+01 $Rmax$  3 5.52e+02 1.13e+01 $Rmax$  4 5.61e+02 8.47e+00 $Rmax$  5 5.98e+02 6.39e+00 $t0$  1 4.38e+02 1.06e+01 $t0$  2 3.90e+02 6.65e+00 $t0$  3 3.31e+02 5.50e+00 $t0$  4 2.50e+02 5.33e+00

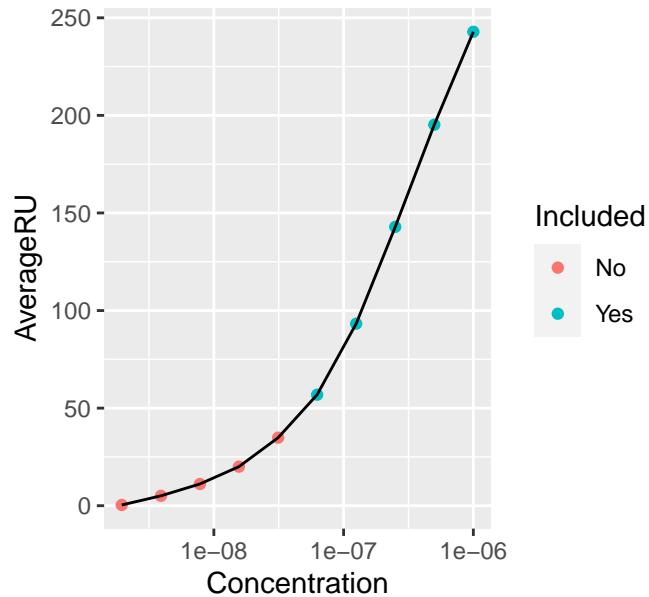
## Residuals



## Concentration

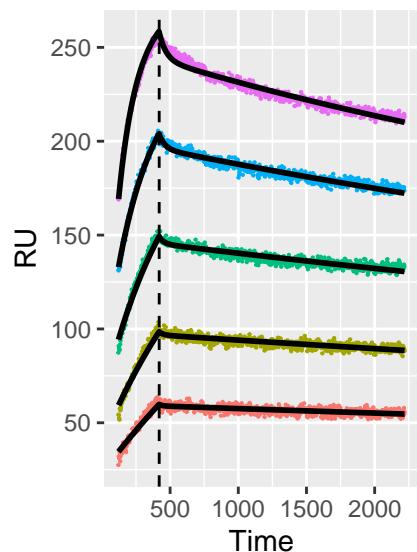
- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06

## CH505

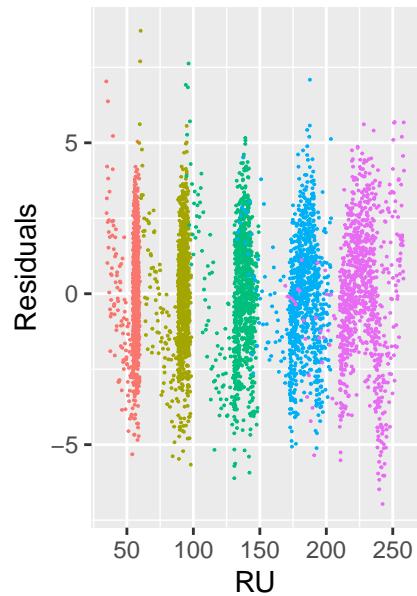


## CH505

Bivalent Analyte Model–1 with Extended Length of Dissociation



## Residuals

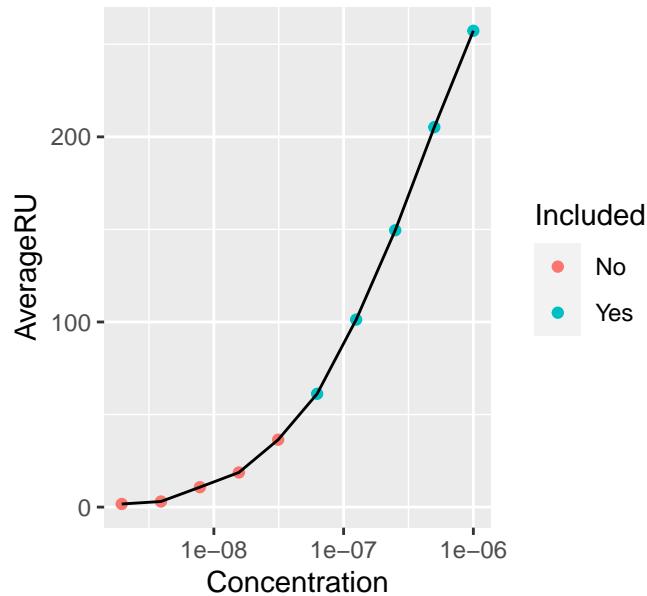


## Concentration

- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06

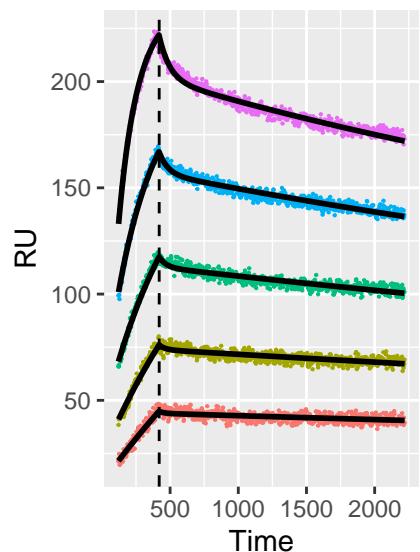
$ka_1$	2.15e+03	4.80e+01
$ka_2$	6.97e-05	2.74e-06
$kd_1$	1.25e-02	5.13e-04
$kd_2$	7.21e-05	1.24e-06
$R_{max}$ 1	5.44e+02	1.11e+01
$R_{max}$ 2	5.28e+02	8.98e+00
$R_{max}$ 3	5.28e+02	6.94e+00
$R_{max}$ 4	5.48e+02	5.15e+00
$R_{max}$ 5	5.88e+02	3.73e+00
$t_0$ 1	3.36e+02	6.60e+00
$t_0$ 2	3.20e+02	4.36e+00
$t_0$ 3	2.80e+02	3.73e+00
$t_0$ 4	2.07e+02	3.47e+00

## CH505



CH505

Bivalent Analyte Model–1 with Extended Length of Dissociation

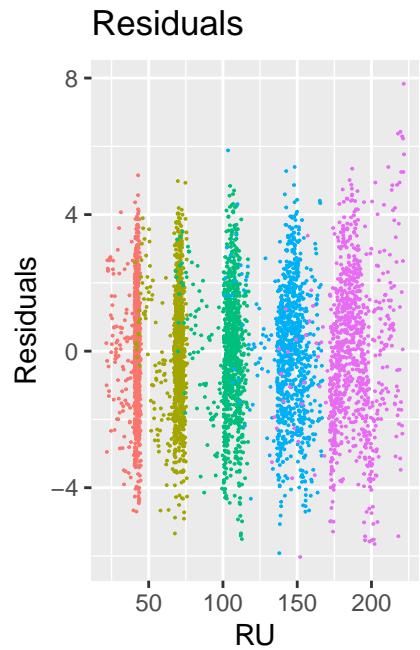


Concentration

- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06

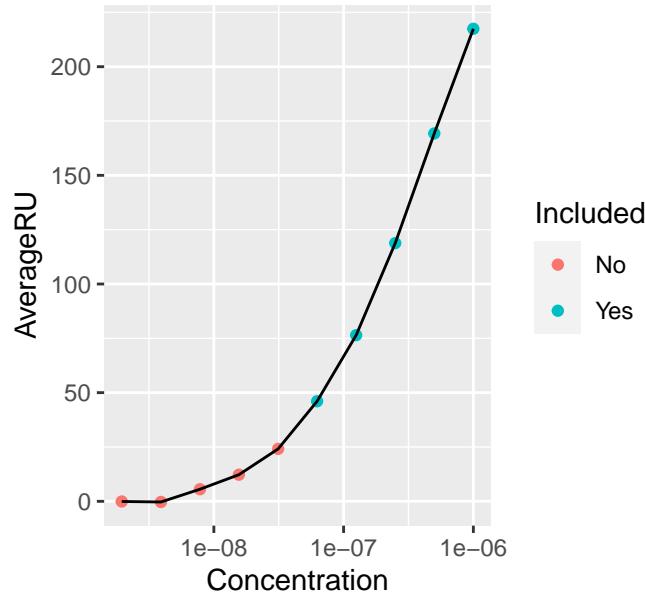
$ka1$	1.97e+03	3.97e+01
$ka2$	4.94e-05	1.63e-06
$kd1$	7.83e-03	2.66e-04
$kd2$	8.06e-05	1.18e-06
$Rmax$ 1	5.04e+02	1.08e+01
$Rmax$ 2	4.66e+02	8.46e+00
$Rmax$ 3	4.51e+02	6.54e+00
$Rmax$ 4	4.65e+02	4.95e+00
$Rmax$ 5	5.04e+02	3.71e+00
$t0$ 1	2.30e+02	5.74e+00
$t0$ 2	2.55e+02	3.94e+00
$t0$ 3	2.39e+02	3.09e+00
$t0$ 4	1.82e+02	2.81e+00

CH505



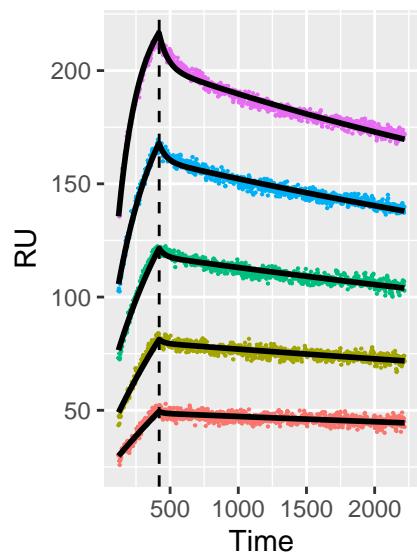
Concentration

- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06



## CH505

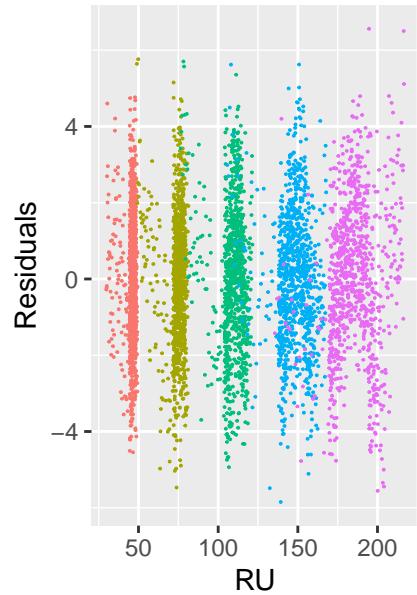
## Bivalent Analyte Model-1 with Extended Length of Dissociation



## Concentration

- $6.25e-08$
- $1.25e-07$
- $2.5e-07$
- $5e-07$
- $1e-06$

## Residuals

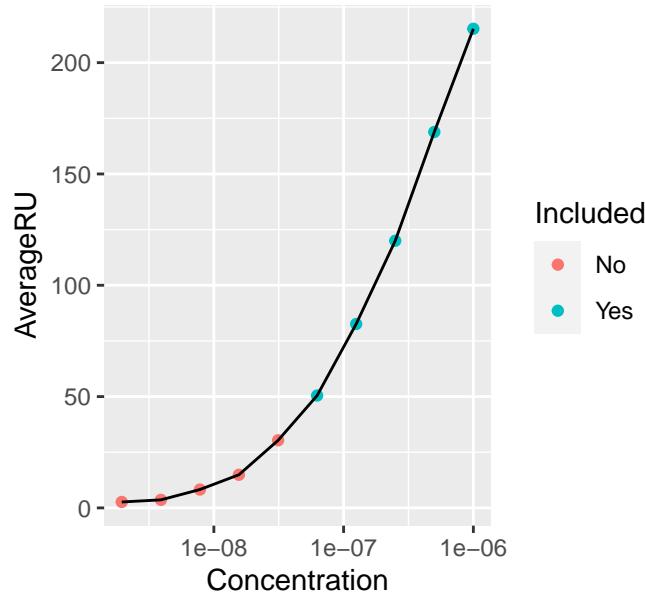


## Concentration

- $6.25e-08$
- $1.25e-07$
- $2.5e-07$
- $5e-07$
- $1e-06$

 $ka1$   $1.87e+03$   $4.34e+01$  $ka2$   $6.17e-05$   $2.45e-06$  $kd1$   $9.53e-03$   $3.76e-04$  $kd2$   $8.85e-05$   $1.51e-06$  $Rmax$  1  $4.78e+02$   $1.10e+01$  $Rmax$  2  $4.71e+02$   $9.11e+00$  $Rmax$  3  $4.57e+02$   $7.00e+00$  $Rmax$  4  $4.72e+02$   $5.36e+00$  $Rmax$  5  $5.02e+02$   $3.93e+00$  $t0$  1  $3.74e+02$   $8.10e+00$  $t0$  2  $3.29e+02$   $4.75e+00$  $t0$  3  $2.91e+02$   $3.90e+00$  $t0$  4  $2.06e+02$   $3.45e+00$ 

## CH505

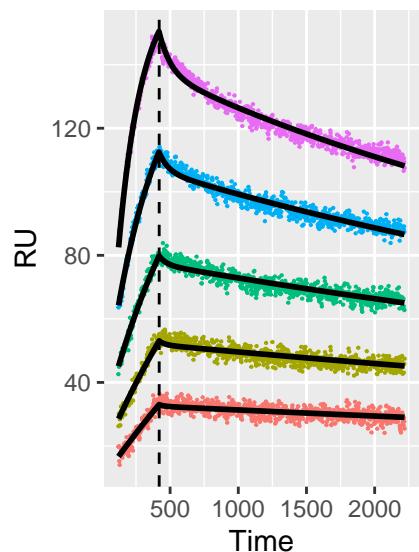


## Included

- No
- Yes

CH505

Bivalent Analyte Model–1 with Extended Length of Dissociation



Concentration

- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06

 $ka_1$  1.52e+03 4.57e+01 $ka_2$  6.18e-05 3.23e-06 $kd_1$  6.30e-03 2.97e-04 $kd_2$  1.45e-04 3.16e-06 $R_{max}$  1 4.24e+02 1.36e+01 $R_{max}$  2 3.77e+02 1.06e+01 $R_{max}$  3 3.48e+02 8.13e+00 $R_{max}$  4 3.44e+02 6.16e+00 $R_{max}$  5 3.60e+02 4.60e+00 $t_0$  1 2.61e+02 7.97e+00 $t_0$  2 2.67e+02 5.27e+00 $t_0$  3 2.46e+02 4.02e+00 $t_0$  4 1.87e+02 3.63e+00

CH505

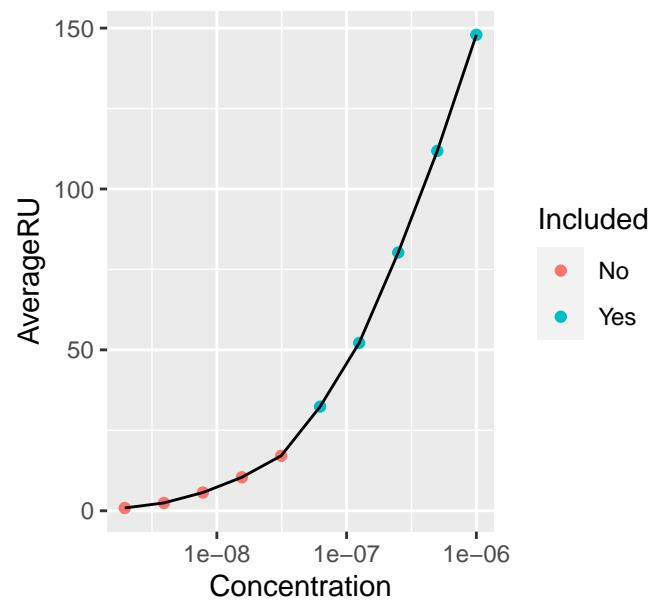
Residuals

Residuals

Concentration

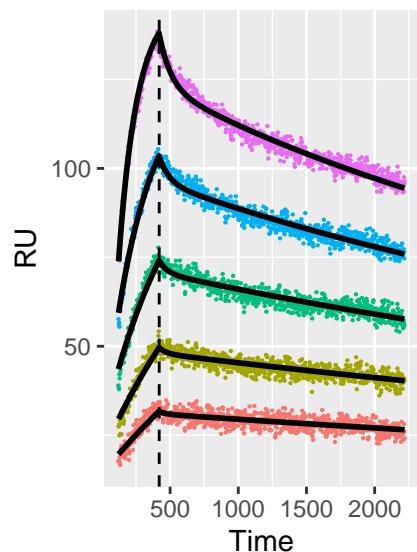
- 6.25e-08
- 1.25e-07
- 2.5e-07
- 5e-07
- 1e-06

RU

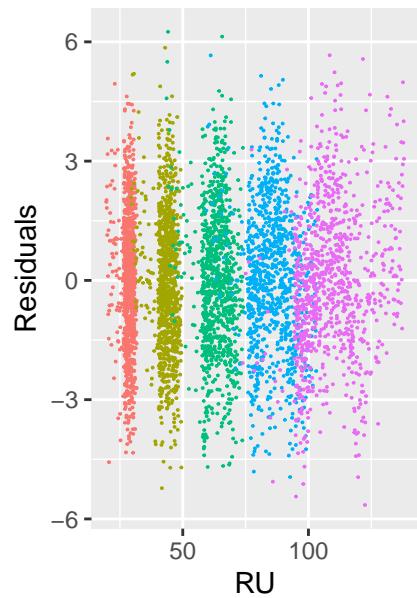


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Bivalent Analyte Model–1 with Extended Length of Dissociation

 $ka_1$  1.93e+03 5.03e+01 $ka_2$  6.71e-05 3.03e-06 $kd_1$  6.70e-03 2.85e-04 $kd_2$  1.48e-04 2.92e-06 $R_{max}$  1 2.97e+02 8.70e+00 $R_{max}$  2 2.90e+02 7.15e+00 $R_{max}$  3 2.86e+02 5.75e+00 $R_{max}$  4 2.94e+02 4.50e+00 $R_{max}$  5 3.14e+02 3.46e+00 $t_0$  1 3.87e+02 1.21e+01 $t_0$  2 3.11e+02 6.50e+00 $t_0$  3 2.43e+02 4.23e+00 $t_0$  4 1.65e+02 3.31e+00

Residuals



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