

% Speck formation

Plasmid amount (ng)	Log(2) (plasmid)	WT-mCh			C254A-mCh		
0	4.96578428	19.20904	27.77778	26.0274	0	0.46729	1.449275
62.5	5.96578428	25.342466	22.44898	20.75472	0	0	5.517241
125	6.96578428	31.443299	20.18779	27.5	6.796117	8.888889	12.23022
250	7.96578428	27.922078	24.8731	27.86885	11.05769	8.900524	17.85714
500	8.96578428	35.333333	33.73494	37.2093	16	21.01449	25

Statistics

WT-mCh

C254A-mCh

Log(agonist) vs. response (three parameters)

$Y = \text{Bottom} + (\text{Top} - \text{Bottom}) / (1 + 10^{-(\text{LogEC50} - X)})$

Best-fit values

Bottom 24.32 0.9816

Top 40.83 18.56

LogEC50 8.655 7.181

EC50 451474764 15181184

Span 16.51 17.57

95% CI (profile likelihood)

Bottom 21.58 to 26.92 -3.574 to 5.514

Top 31.68 to ??? 14.11 to 28.17

LogEC50 7.439 to ??? 6.374 to 8.417

EC50 27451337 to ?? 2365515 to 261150262

Goodness of Fit

Degrees of Freedom 12 12

R squared 0.6512 0.8034

Sum of Squares 145 183.3

Sy.x 3.476 3.908

Number of points

of X values 15 15

Y values analyzed 15 15