

Table S5. Variable Definitions and Initial Conditions for EARM v1.0

variable	state	model IC (#/CC) or (M)	ref
x_1	[L]	$3 \times 10^3 / 5.1 \times 10^{-9} = 50$ ng/ml	
x_2	[R] WT	$2 \times 10^2 / 3.4 \times 10^{-10}$	
	[R] siRNA-treated	$10^5 / 1.7 \times 10^{-7}$	
x_3	[L : R]	0	
x_4	[R*]	0	
x_5	[flip]	$10^2 / 1.7 \times 10^{-10}$	
x_6	[flip : R*]	0	
x_7	[C8]	$2 \times 10^4 / 3.4 \times 10^{-8}$	(1)
x_8	[C8 : R*]	0	
x_9	[C8*]	0	
x_{10}	[Bar]	$10^3 / 1.7 \times 10^{-9}$	
x_{11}	[C8* : Bar]	0	
x_{12}	[C3]	$10^4 / 1.7 \times 10^{-8}$	(1, 2, 3)
x_{13}	[C8* : C3]	0	
x_{14}	[C3*]	0	
x_{15}	[C6]	$10^4 / 1.7 \times 10^{-8}$	
x_{16}	[C3* : C6]	0	
x_{17}	[C6*]	0	
x_{18}	[C6* : C8]	0	
x_{19}	[XIAP]	$10^5 / 1.7 \times 10^{-7}$	(3)
x_{20}	[XIAP : C3*]	0	
x_{21}	[PARP]	$10^6 / 1.7 \times 10^{-6}$	
x_{22}	[C3* : PARP]	0	
x_{23}	[cPARP]	0	
x_{24}	[Bid]	4×10^4	
x_{25}	[C8* : Bid]	0	
x_{26}	[tBid]	0	
x_{27}	[Bcl2 _c]	$2 \times 10^4 / 3.4 \times 10^{-8}$	
x_{28}	[tBid : Bcl2 _c]	0	
x_{29}	[Bax]	$10^5 / 1.7 \times 10^{-7}$	
x_{30}	[tBid : Bax]	0	
x_{31}	[Bax*]	0	
x_{32}	[Bax* _m]	0 (#/MC)	
x_{33}	[Bcl2]	2×10^4 (#/MC) / 4.8×10^{-7}	
x_{34}	[Bax* _m : Bcl2]	0 (#/MC)	
x_{35}	[Bax ₂]	0 (#/MC)	
x_{36}	[Bax ₂ : Bcl2]	0 (#/MC)	
x_{37}	[Bax ₄]	0 (#/MC)	
x_{38}	[Bax ₄ : Bcl2]	0 (#/MC)	
x_{39}	[M]	5×10^5 (#/MC) / 1.2×10^{-5}	
x_{40}	[Bax ₄ : M]	0 (#/MC)	
x_{41}	[M*]	0 (#/MC)	
x_{42}	[CyC _m]	5×10^5 (#/MC) / 1.2×10^{-5}	(4)
x_{43}	[M* : CyC _m]	0 (#/MC)	
x_{44}	[CyC _r]	0 (#/MC)	
x_{45}	[Smac _m]	10^5 (#/MC) / 2.4×10^{-6}	
x_{46}	[M* : Smac _m]	0 (#/MC)	
x_{47}	[Smac _r]	0 (#/MC)	
x_{48}	[CyC]	0	
x_{49}	[Apa _f]	$10^5 / 1.7 \times 10^{-7}$	(3)
x_{50}	[Apa _f : CyC]	0	
x_{51}	[Apa _f *]	0	
x_{52}	[C9]	$10^5 / 1.7 \times 10^{-7}$	(3)
x_{53}	[Apop]	0	
x_{54}	[Apop : C3]	0	
x_{55}	[Smac]	0	
x_{56}	[Apop : XIAP]	0	
x_{57}	[Smac : XIAP]	0	
x_{58}	[C3* _{Ub}]	0	

References

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