

$\kappa = 0.15$ 

## A) Sensitivity



0 4 8 12 16

R <sub>a</sub>	5	6	6	6	4	4	5	5	4
S <sub>l</sub>	1	1	1	1	1	1	1	1	1
E	28	28	28	28	27	27	27	27	27
S <sub>a</sub>	2	2	2	2	2	2	2	2	2
S <sub>n</sub>	3	3	3	3	3	3	3	3	3
C <sub>al</sub>	4	4	4	4	5	5	7	7	8
H <sub>cn</sub>	8	8	9	7	7	9	6	6	6
C <sub>s</sub>	7	7	7	5	6	6	4	4	5
θ	11	14	15	8	11	11	8	9	10
N <sub>ah</sub>	6	5	5	9	8	7	12	11	11
Q <sub>l</sub>	12	9	8	10	9	8	9	8	7
H <sub>cs</sub>	13	11	10	12	10	10	10	10	9
I	21	22	22	20	20	22	18	19	21
C <sub>aa</sub>	16	18	19	18	19	19	19	20	20
C <sub>an</sub>	9	10	11	11	13	13	11	13	15
C <sub>ll</sub>	19	21	21	22	22	23	22	23	23
P <sub>a</sub>	15	15	14	14	12	12	13	12	12
C <sub>nl</sub>	10	12	13	13	15	16	14	17	17
D <sub>n</sub>	30	30	30	30	30	30	30	30	30
P <sub>n</sub>	17	16	16	15	14	14	15	14	13
D <sub>a</sub>	31	31	31	31	31	31	31	31	31
N <sub>nh</sub>	14	13	12	17	17	17	20	18	18
Q <sub>n</sub>	20	17	17	16	16	15	16	15	14
C <sub>nn</sub>	18	20	20	21	21	20	21	22	22
P <sub>l</sub>	22	19	18	19	18	18	17	16	16
Q <sub>a</sub>	25	23	23	23	23	21	23	21	19
D <sub>l</sub>	29	29	29	29	29	29	29	29	29
N <sub>lh</sub>	26	24	24	26	26	24	26	26	26
C <sub>na</sub>	23	25	25	24	24	25	24	24	24
C <sub>ln</sub>	24	26	26	25	25	26	25	25	25
C <sub>la</sub>	27	27	27	27	28	28	28	28	28

Viremia  
(days)Abundance  
(per host)

0.01~2 2~5 5~12

## B) Elasticity



0.0 0.1 0.2 0.3 0.4 0.5

R <sub>a</sub>	1	3	1	3	2	2	3	3	2
S <sub>l</sub>	2	1	2	1	1	1	1	1	3
E	3	2	3	2	2	2	2	2	1
S <sub>a</sub>	4	4	4	7	4	4	7	7	7
S <sub>n</sub>	5	5	5	8	8	5	8	8	8
C <sub>al</sub>	11	14	14	10	15	15	10	15	15
H <sub>cn</sub>	6	6	7	5	6	6	5	6	6
C <sub>s</sub>	7	6	6	5	7	7	4	5	4
θ	8	8	8	5	5	8	6	4	6
N <sub>ah</sub>	14	12	12	14	14	12	16	14	13
Q <sub>l</sub>	13	11	11	13	11	11	14	12	11
H <sub>cs</sub>	9	10	10	11	9	9	12	10	9
I	10	9	9	12	10	10	11	9	10
C <sub>aa</sub>	21	22	24	21	22	22	18	20	21
C <sub>an</sub>	20	21	21	20	20	21	19	21	22
C <sub>ll</sub>	12	15	15	9	12	14	9	11	12
P <sub>a</sub>	14	13	12	14	13	13	16	13	14
C <sub>nl</sub>	16	18	18	17	19	19	17	19	20
D <sub>n</sub>	30	30	30	30	30	30	30	30	30
P <sub>n</sub>	18	16	16	18	16	16	20	18	16
D <sub>a</sub>	31	31	31	31	31	31	31	31	31
N <sub>nh</sub>	18	16	16	18	16	16	21	18	16
Q <sub>n</sub>	22	20	19	22	21	20	22	22	19
C <sub>nn</sub>	17	19	20	16	18	18	13	16	18
P <sub>l</sub>	24	24	22	24	24	24	24	24	24
Q <sub>a</sub>	26	25	25	26	25	25	26	25	25
D <sub>l</sub>	29	29	29	29	29	29	29	29	29
N <sub>lh</sub>	24	24	23	24	24	23	24	24	23
C <sub>na</sub>	27	27	27	27	27	27	27	27	27
C <sub>ln</sub>	25	26	26	23	26	26	23	26	26
C <sub>la</sub>	28	28	28	28	28	28	28	28	28

Viremia  
(days)

0.01~2 2~5 5~12

## C) RF



0.2 0.4 0.6

R <sub>a</sub>	1	1	1	1	1	1	1	1	1
S <sub>l</sub>	3	3	3	3	3	3	4	3	3
E	2	2	2	2	2	2	2	2	2
S <sub>a</sub>	5	5	4	6	5	4	7	7	7
S <sub>n</sub>	4	4	5	5	4	5	6	6	6
C <sub>al</sub>	10	10	11	12	13	14	12	13	13
H <sub>cn</sub>	6	7	10	4	6	6	3	4	4
C <sub>s</sub>	7	6	6	7	7	7	5	5	5
θ	17	22	20	16	14	17	16	17	15
N <sub>ah</sub>	8	9	7	18	15	13	21	18	16
Q <sub>l</sub>	12	11	9	8	8	8	8	8	8
H <sub>cs</sub>	13	13	13	9	9	9	9	9	9
I	19	24	25	15	19	21	15	20	21
C <sub>aa</sub>	9	8	8	17	17	16	18	16	14
C <sub>an</sub>	11	12	12	19	18	18	17	14	18
C <sub>ll</sub>	31	31	31	31	30	30	31	31	31
P <sub>a</sub>	14	16	14	13	10	10	14	10	10
C <sub>nl</sub>	21	21	17	24	24	24	24	23	24
D <sub>n</sub>	15	14	15	10	11	11	10	11	11
P <sub>n</sub>	20	23	23	21	20	19	22	19	22
D <sub>a</sub>	18	15	16	11	12	12	13	12	12
N <sub>nh</sub>	24	20	22	25	26	27	27	27	26
Q <sub>n</sub>	16	17	19	14	16	15	11	15	17
C <sub>nn</sub>	25	19	21	27	25	26	25	25	27
P <sub>l</sub>	27	27	27	22	22	23	20	22	20
Q <sub>a</sub>	22	25	24	20	21	20	19	21	19
D <sub>l</sub>	26	26	26	23	23	22	23	24	23
N <sub>lh</sub>	29	29	30	30	31	31	30	30	30
C <sub>na</sub>	23	18	18	26	27	25	26	26	25
C <sub>ln</sub>	28	30	29	29	28	29	29	28	28
C <sub>la</sub>	30	28	28	28	29	28	28	29	29

Viremia  
(days)

0.01~2 2~5 5~12