

**Suppl. Fig. 3A\_Data****B2\_2**

<b>Visit (day)</b>	<b>VL (log)</b>	<b>E484 (%)</b>	<b>484K (%)</b>	<b>484Q (%)</b>
0	5.81	94	3	3
1	3.57	49	33	18
2	3.94	2	98	
3	3.45	2	76	22
4	4.3	32	12	56
5	4.9		96	4
6	4.27		90	10
7	3.56		44	56
8	6.55		100	
9	5.69		85	15
10	5.41		98	2
11	6.82			100
12	6.82			100
13	5.07			100
14	3.81			100
21	0			
28	0			

**Suppl. Fig. 3A\_Model****B2\_2**

<b>Day</b>	<b>Log10 VL</b>	<b>Freq: E484</b>	<b>Freq: 484K</b>	<b>Freq: 484Q</b>
0	6.05215479446993	0.981735253369334	0.0182393712855906	2.54E-05
1	4.63828180058273	0.433125205221985	0.565235899398838	0.00163889537917674
2	4.47515878033412	0.0107271055859312	0.983330786550775	0.0059421078632934
3	4.55070720704206	0.000153348737922758	0.987411290637169	0.0124353606249079
4	4.63380501192845	2.15E-06	0.974422185024565	0.0255756605648286
5	4.72302862366056	2.98E-08	0.948135549898025	0.0518644202583931
6	4.82413252090109	4.02E-10	0.897663181286679	0.102336818311074
7	4.94717147414437	5.15E-12	0.808018563371151	0.191981436623694
8	5.10663125133181	6.07E-14	0.668818750718759	0.331181249281181
9	5.31720875245549	6.36E-16	0.492127708842984	0.507872291157015
10	5.58505160653057	5.84E-18	0.317381671750399	0.682618328249601
11	5.90295504828994	4.78E-20	0.182400187638102	0.817599812361898
12	6.2559272614756	3.61E-22	0.0966940935966751	0.903305906403325

<b>Suppl. Fig. 3B_Data</b>			
<b>B2_3</b>			
<b>Visit (day)</b>	<b>VL (log)</b>	<b>E484 (%)</b>	<b>484K (%)</b>
0	7.34	100	
1	7.52	100	
2	5.28	100	
3	4.22	92	8
4	5.76	2	98
5	6.77	2	98
7	7.77		100
8	6.85		100
9	6.73		100
10	5.72	3	97
11	4.15		100
12	3.45		100
13	1		
14	0		
21	0		
28	0		

<b>Suppl. Fig. 3B_Model</b>			
<b>B2_3</b>			
<b>Day</b>	<b>Log10 VL</b>	<b>Freq: E484</b>	<b>Freq: 484K</b>
0	7.8942462810401	0.999999	1.55E-07
1	6.65847105731271	0.999970588758192	2.94E-05
2	5.4250940598878	0.994434754768019	0.00556524523198065
3	4.50177168189706	0.484295844100539	0.515704155899461
4	5.25990443407993	0.00491122759002316	0.995088772409977
5	6.30137147207933	2.59E-05	0.999974062083238
7	8.38854810162729	7.16E-10	0.999999

<b>Suppl. Fig. 3C_Data</b>			
<b>B2_5</b>			
<b>Visit (day)</b>	<b>VL (log)</b>	<b>E484 (%)</b>	<b>484Q (%)</b>
0	6.61	100	
1	7.33	100	
2	5.14	100	
3	5.94	100	
4	3.88	26	74
5	3.99	2	98
6	4.22		100
7	3.37		100
9	3.55		100
10	2.57		100
11	2.28		100
12	4.16		100
13	2.99		100
14	2.36		100
21	0		
28	0		

<b>Suppl. Fig. 3C_Model</b>			
<b>B2_5</b>			
<b>Day</b>	<b>Log10 VL</b>	<b>Freq: E484</b>	<b>Freq: 484Q</b>
0	7.85135617	0.9996168	0.0003832
1	6.76720038	0.99644857	0.00355143
2	5.69427841	0.96792656	0.03207344
3	4.71121944	0.76448139	0.23551861
4	4.09611901	0.2587813	0.7412187
5	3.86489588	0.03619275	0.96380725
6	3.73345735	0.00402277	0.99597723
7	3.61471608	0.00043424	0.99956576
9	3.38017102	5.03E-06	0.99999497
10	3.26298977	5.41E-07	0.999999
11	3.14581025	5.81E-08	0.999999
12	3.02863092	6.25E-09	0.999999

Suppl. Fig. 3D_Data			
B2_6			
Visit (day)	VL (log)	E484 (%)	484K (%)
0	6.76	100	
1	5.61	100	
2	7.24	100	
3	4.62	93	4
4	6.7		100
5	7		98
6	5.46	56	42
7	6.65		90
8	6.78		97
9	6.35		96
10	5.52		100
11	5.41		88
12	4.16		100
13	5.26		97
14	3.7		84
21	0		
28	0		

**Suppl. Fig. 3D\_Model****B2\_6**

<b>Day</b>	<b>Log10 VL</b>	<b>Freq: E484</b>	<b>Freq: 484K</b>
0	7.4967609620738	0.987606952314732	0.0123917242612716
1	6.97911767963277	0.951261479637875	0.0487307133481105
2	6.50598835584732	0.826992792230871	0.172965639977324
3	6.15772391014776	0.539310231984218	0.460523746615944
4	6.00770885057986	0.22280565497486	0.776774274893965
5	6.00484768178894	0.065593358477067	0.933649240926728
6	6.05998802596847	0.0168963156271053	0.981908794253527
7	6.13170223324911	0.00418938522009642	0.99399611702946
8	6.20774915773543	0.00102843266344803	0.996243518245914
9	6.28503206762191	0.000251747659448009	0.995658359373116
10	6.36286476717281	6.15E-05	0.993814640316744



<b>Suppl. Fig. 3E_Data</b>			
<b>B2_7</b>			
<b>Visit (day)</b>	<b>VL (log)</b>	<b>E484 (%)</b>	<b>484K (%)</b>
0	7.29	100	
1	5.33	100	
2	7.01	100	
3	6.43	100	
4	4.16	100	
5	3.62	100	
6	2.59	8	92
7	4.97	2	98
10	6.61	34	66
11	7.74	14	86
12	7.51		100
13	6.86		100
14	4.59		100
28	1		

<b>Suppl. Fig. 3E_Model</b>			
<b>B2_7</b>			
<b>Day</b>	<b>Log10 VL</b>	<b>Freq: E484</b>	<b>Freq: 484K</b>
0	7.53015388	0.999999	2.95E-08
1	6.7969621	0.999999	7.09E-07
2	6.06377713	0.99998294	1.71E-05
3	5.33075571	0.99959008	0.00040992
4	4.60164689	0.99023593	0.00976407
5	3.95659296	0.80835203	0.19164797
6	3.95711053	0.14924194	0.85075806
7	4.53789307	0.00724296	0.99275704
10	6.47819457	5.25E-07	0.999999
11	7.12601379	2.18E-08	0.999999
12	7.77383321	9.08E-10	0.999999

Suppl. Fig. 3F_Data			
B2_8			
Visit (day)	VL (log)	E484 (%)	484K (%)
0	5.89	100	
1	6.83	100	
2	4.65	100	
3	2.46	100	
4	3.06	58	42
5	3.85		100
6	4.53		100
7	2.05		100
8	3.42		100
9	5.77		100
10	4.81		100
11	5.08		100
12	4.61		100
13	3.89		100
14	2.74		100

**Suppl. Fig. 3F\_Model****B2\_8**

<b>Day</b>	<b>Log10 VL</b>	<b>Freq: E484</b>	<b>Freq: 484K</b>
0	7.0827536637062	0.999995512156373	4.49E-06
1	5.7813525105515	0.999825521368964	0.000174478631035698
2	4.48273879305916	0.993260008662076	0.00673999133792438
3	3.28002597508332	0.79122642302358	0.20877357697642
4	2.92839540205707	0.0888088751440023	0.911191124855998
5	3.17739545805595	0.00250023786153395	0.997499762138466
6	3.46463962836648	6.45E-05	0.999935544175023
7	3.75291573039557	1.66E-06	0.999998342280357
8	4.04121840477253	4.26E-08	0.999999
9	4.32952176253523	1.10E-09	0.999999
10	4.61782513787264	2.82E-11	0.999999
11	4.90612851366201	7.25E-13	0.999999
12	5.19443188946301	1.86E-14	0.999999

Suppl. Fig. 3G_Data		
Growth rate (/day)		
ID	E484	484K
B2_2	-4.1	0.2
B2_3	-2.8	2.4
B2_6	-1.2	0.2
B2_7	-1.7	1.5
B2_8	-3	0.7