

**Supporting Information Table S2.
Mutation Data. (Lindley et al, 2015)**

TSM MUTATIONS

AID

WRC <u>G</u> SS	MC1	MC2	MC3
C>A	1	3	4
C>G	5	4	5
C>T	45	13	45

P-value 5.18E-39

APOBEC3B

T <u>C</u> GA	MC1	MC2	MC3
C>A	3	0	13
C>G	14	1	6
C>T	21	12	25

P-value 5.8E-12

AT <u>C</u> S	MC1	MC2	MC3
C>A	12	8	19
C>G	10	7	20
C>T	25	12	63

P-value 9.76E-26

APOBEC3G

G <u>C</u> GGC	MC1	MC2	MC3
C>A	1	0	1
C>G	3	0	0
C>T	30	13	13

P-value 1.06E-25

<u>CCGX</u>	MC1	MC2	MC3
C>A	11	4	12
C>G	14	4	11
C>T	92	34	59

P-value 1.78E-57

<u>ZCCG</u>	MC1	MC2	MC3
C>A	13	5	5
C>G	9	6	9
C>T	100	45	71

P-value 2.64E-71

<u>SGGR</u>	MC1	MC2	MC3
G>A	56	75	70
G>C	13	22	10
G>T	19	26	18

P-value 1.62E-31

<u>GCGC</u>	MC1	MC2	MC3
G>A	17	59	17
G>C	3	3	1
G>T	5	5	5

P-value 2.63E-44

<u>CCGGC</u>	MC1	MC2	MC3
G>A	5	16	6
G>C	0	3	0
G>T	2	1	1

P-value 5.57E-11

<u>TCCG</u>	MC1	MC2	MC3
C>A	5	2	2

C>G	3	0	3
C>T	54	18	37

P-value 3.28E-45

ADARS

<u>RAW</u> A	MC1	MC2	MC3
A>C	12	13	14
A>G	37	21	25
A>T	46	19	18

P-value 1.37E-09

<u>WT</u> A	MC1	MC2	MC3
A>C	10	2	10
A>G	30	16	11
A>T	21	4	10

P-value 1.6E-09

<u>SAR</u> A	MC1	MC2	MC3
A>C	13	9	18
A>G	56	38	24
A>T	43	44	29

P-value 1.47E-13

<u>I</u> WTY	MC1	MC2	MC3
T>A	22	11	21
T>C	11	26	36
T>G	4	12	6

P-value 1.11E-10