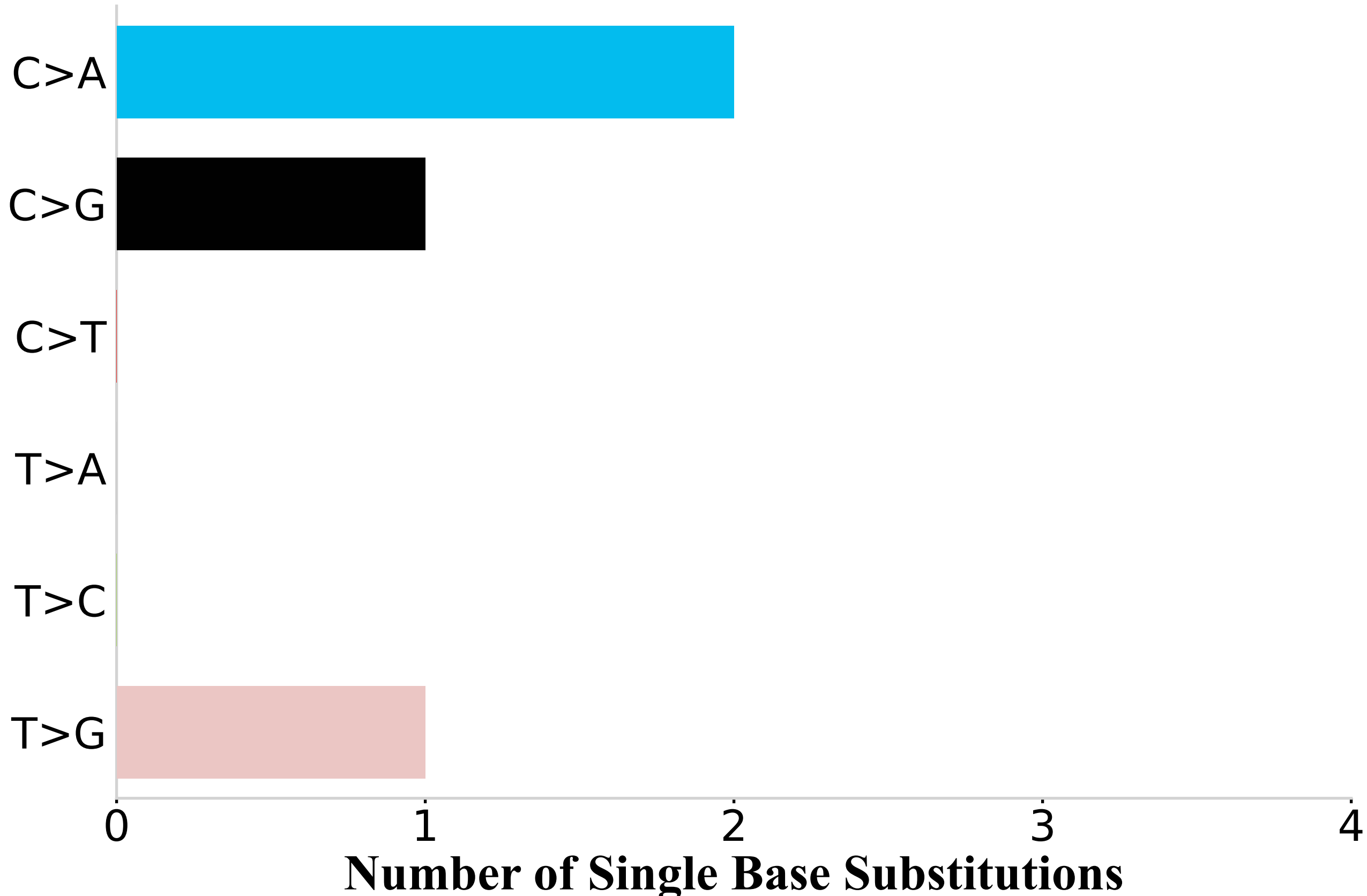
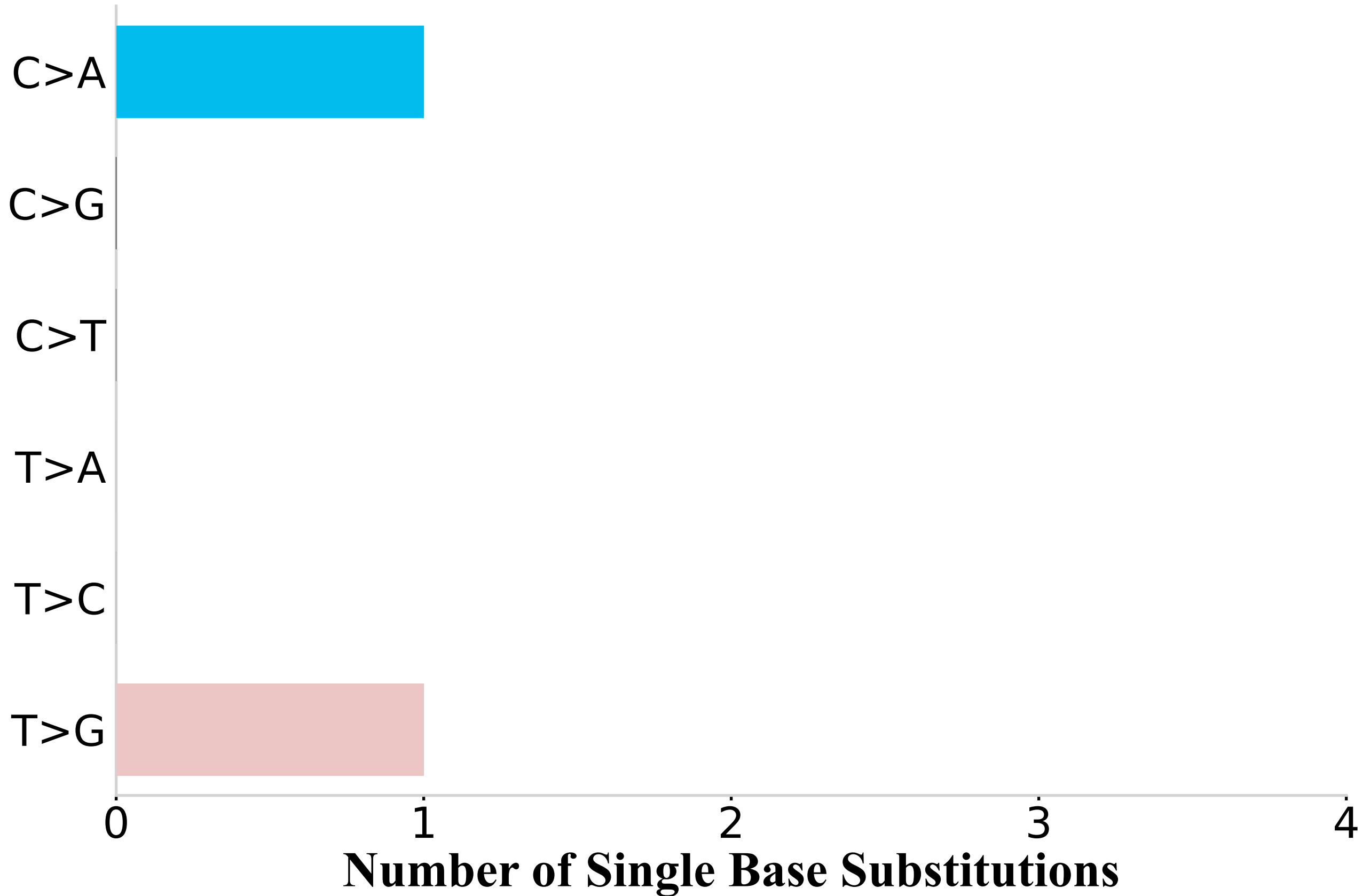


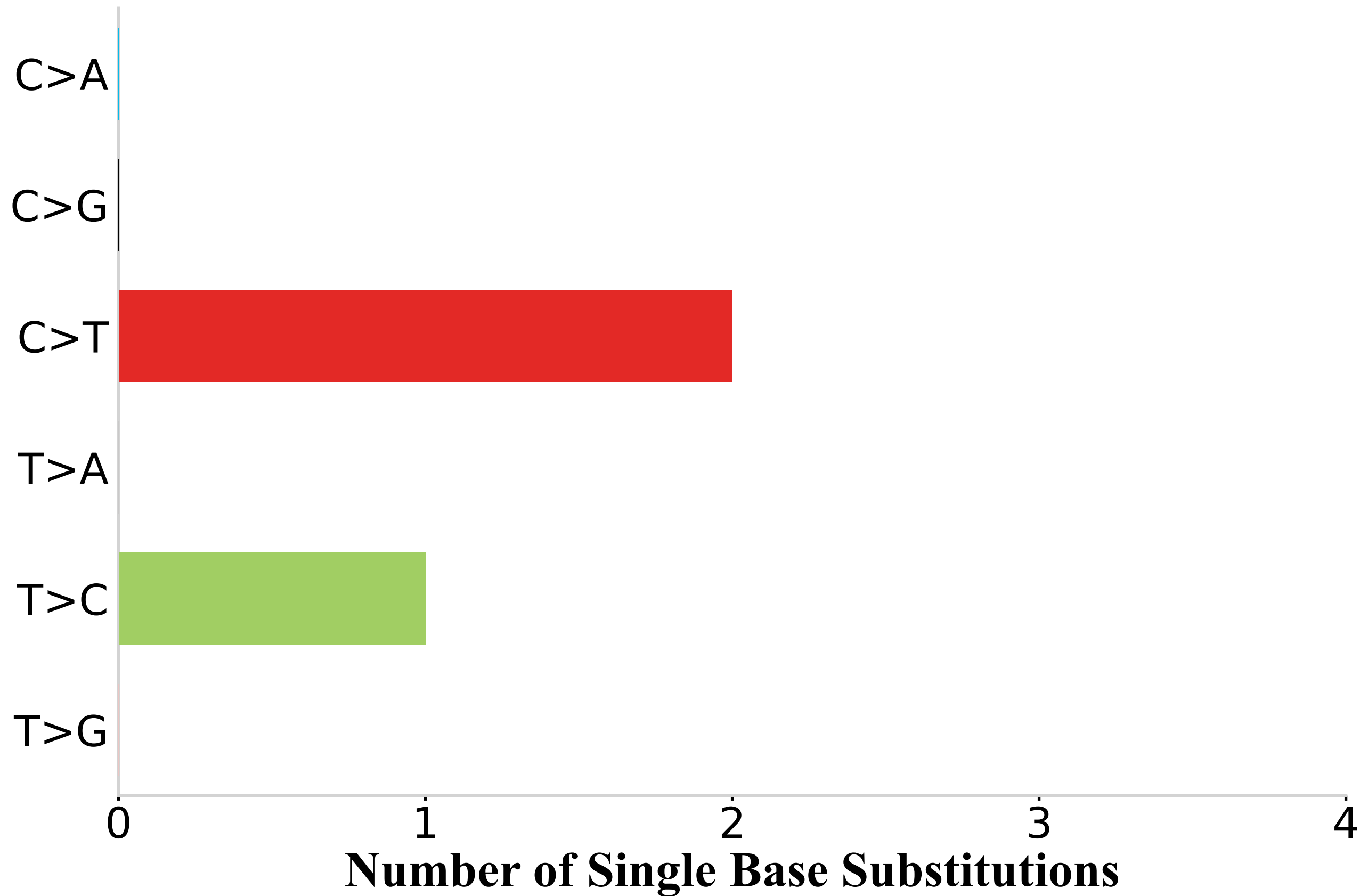
**P-0000037-T01-IM3: 4 subs**



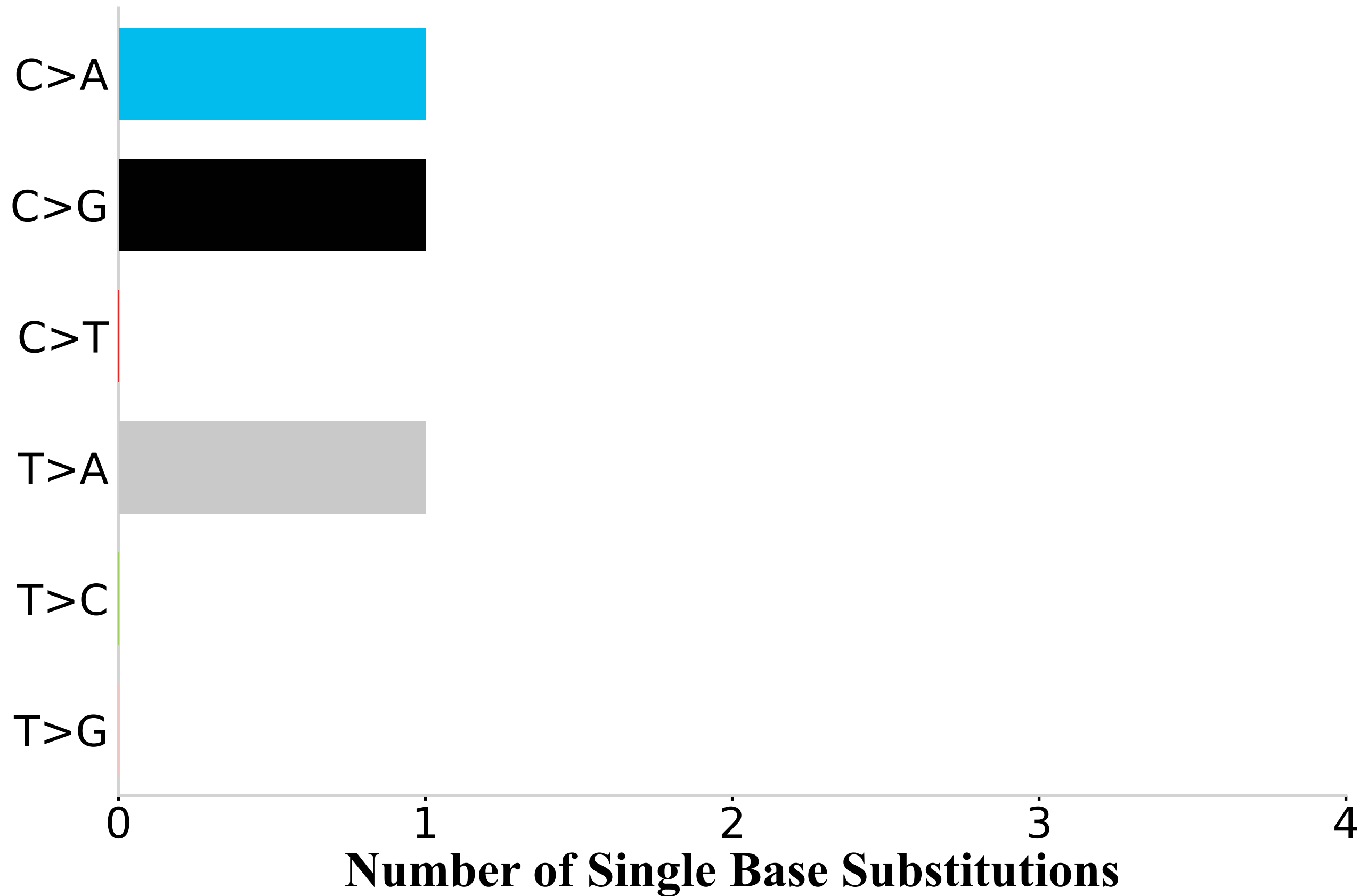
**P-0000182-T01-IM3: 2 subs**



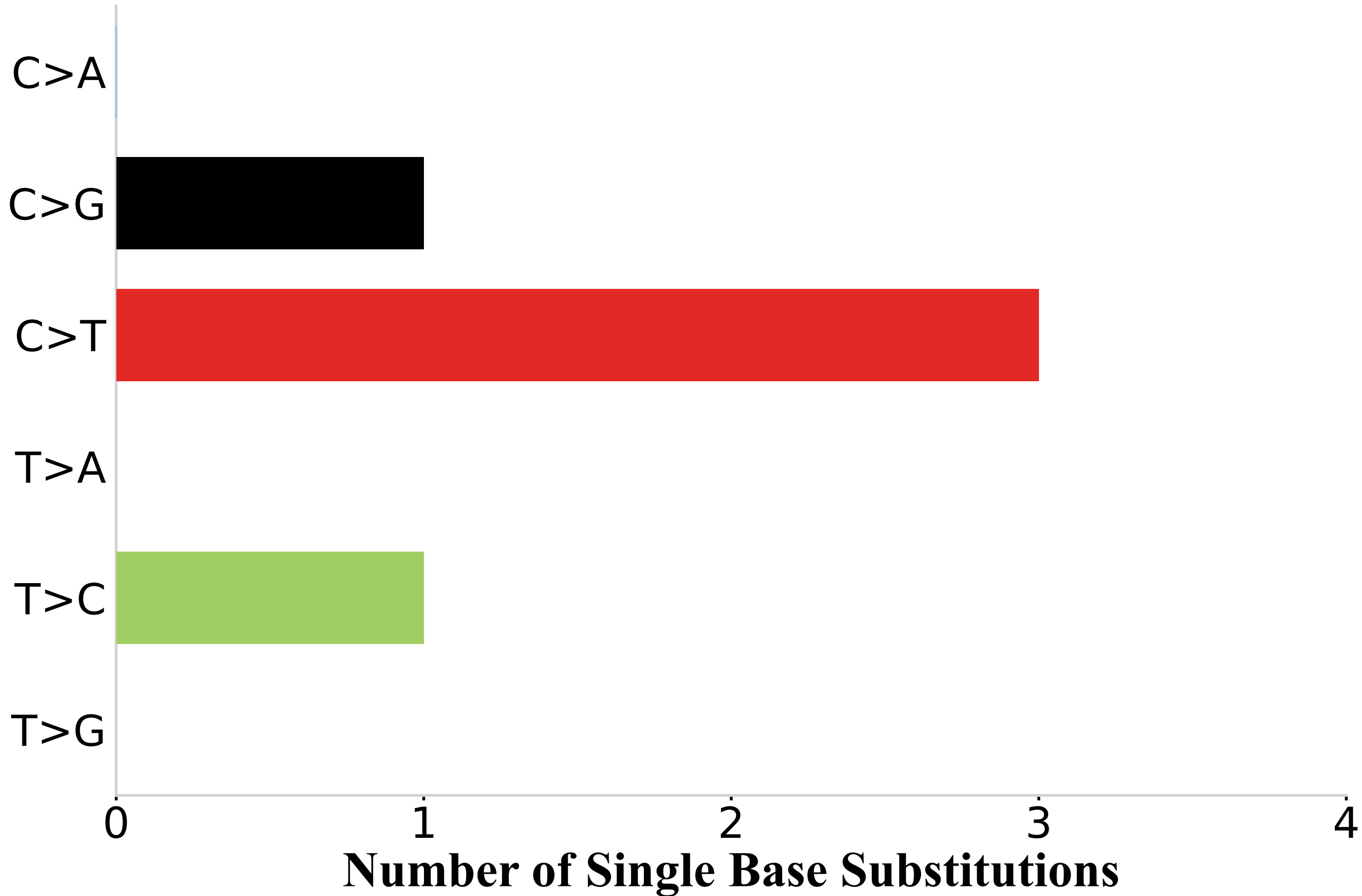
**P-0000218-T01-IM3: 3 subs**



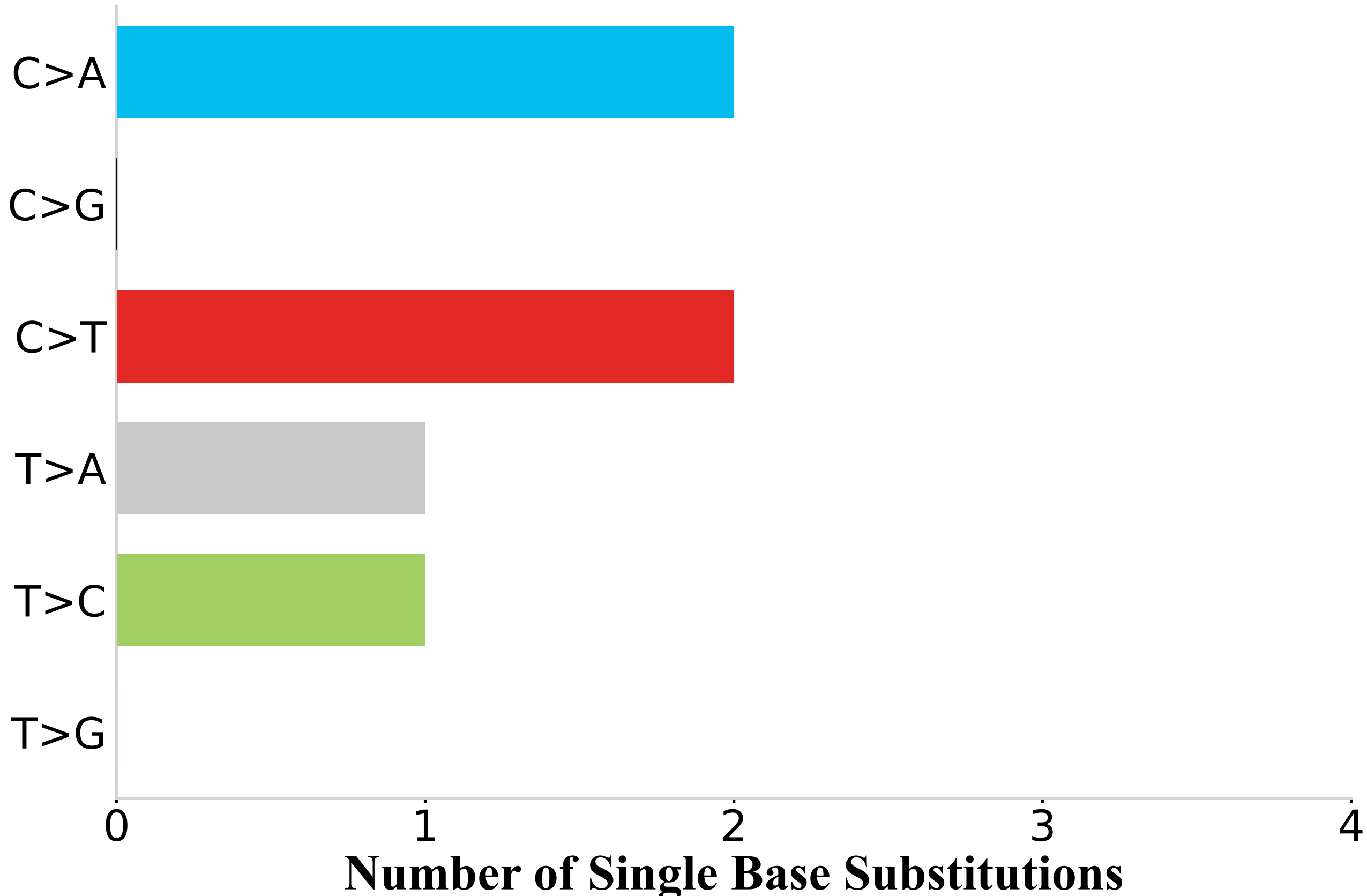
**P-0000228-T01-IM3: 3 subs**



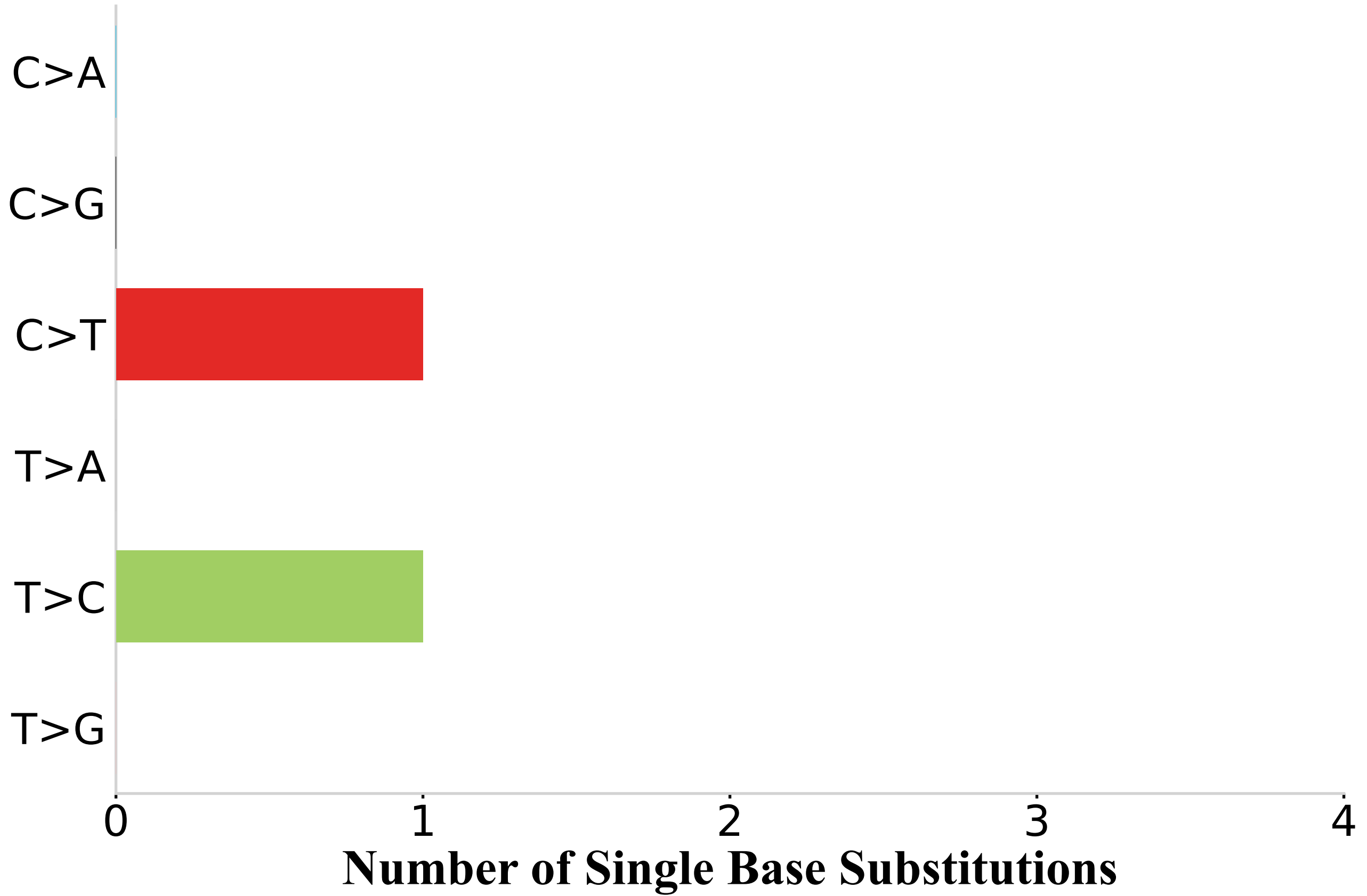
**P-0000587-T01-IM3: 5 subs**



**P-0000829-T01-IM3: 6 subs**



**P-0001188-T01-IM3: 2 subs**



**P-0001307-T01-IM3: 7 subs**

C>A

C>G

C>T

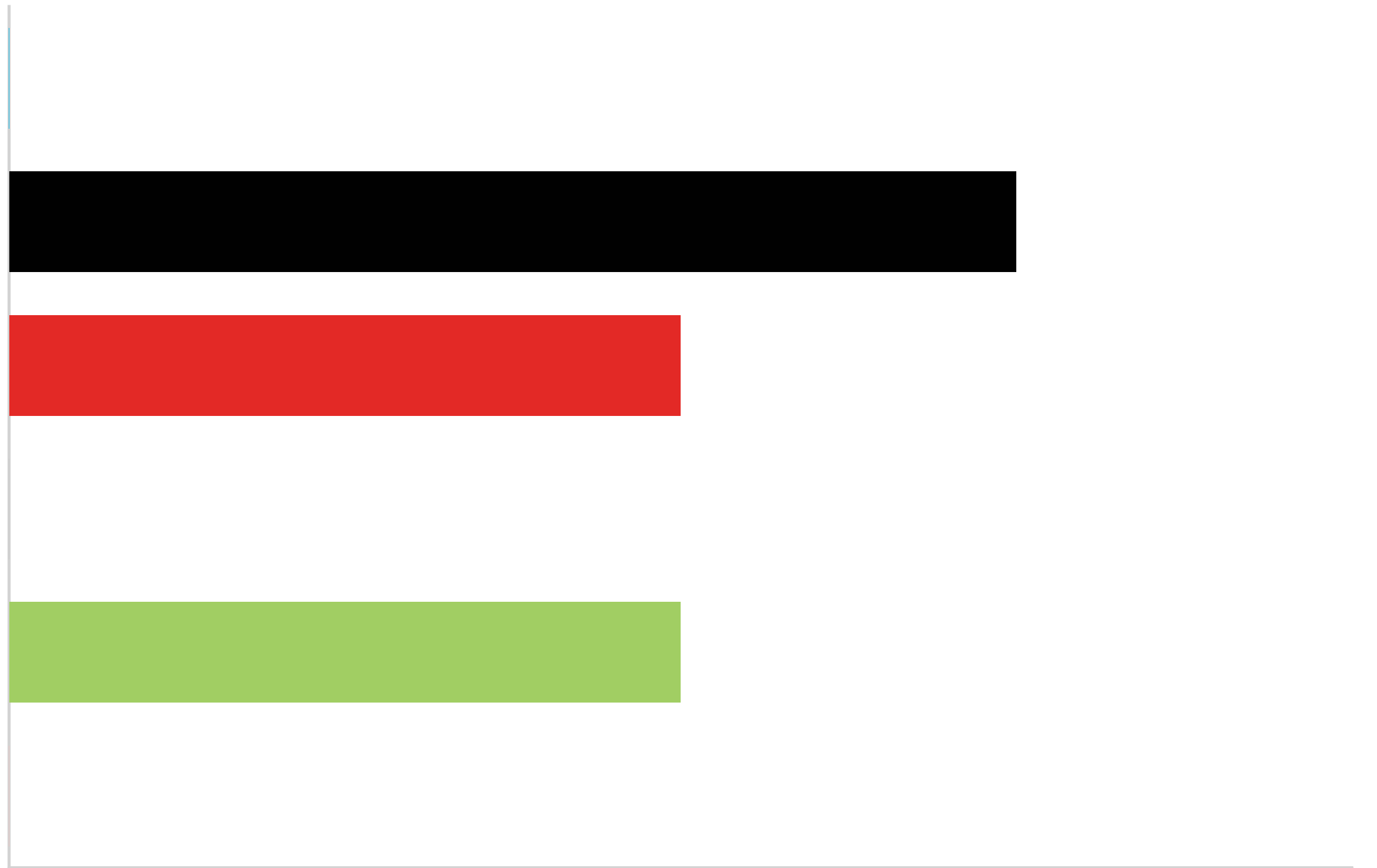
T>A

T>C

T>G

0 1 2 3 4

**Number of Single Base Substitutions**





**P-0001310-T01-IM3: 0 subs**

C>A

C>G

C>T

T>A

T>C

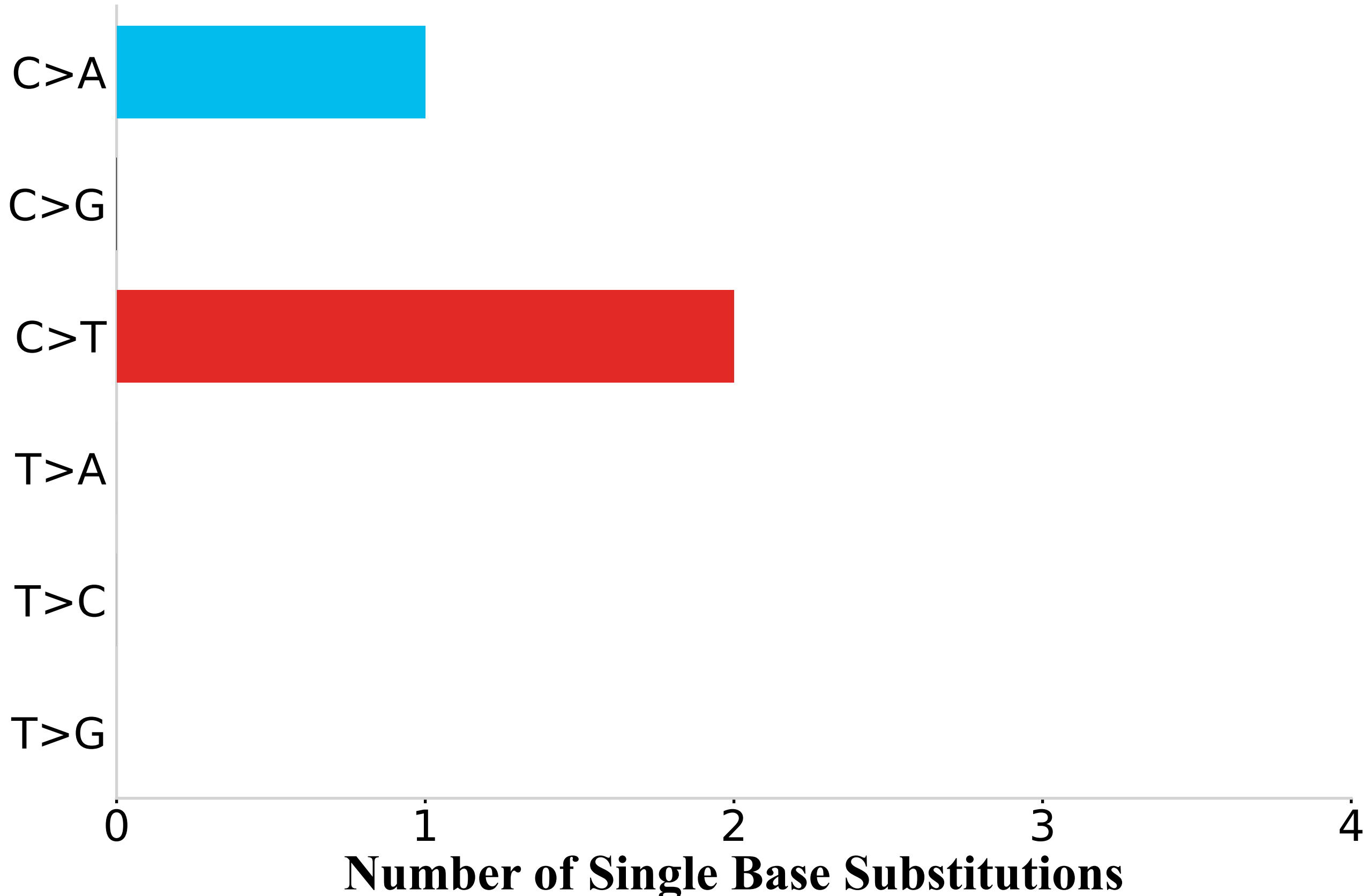
T>G

0

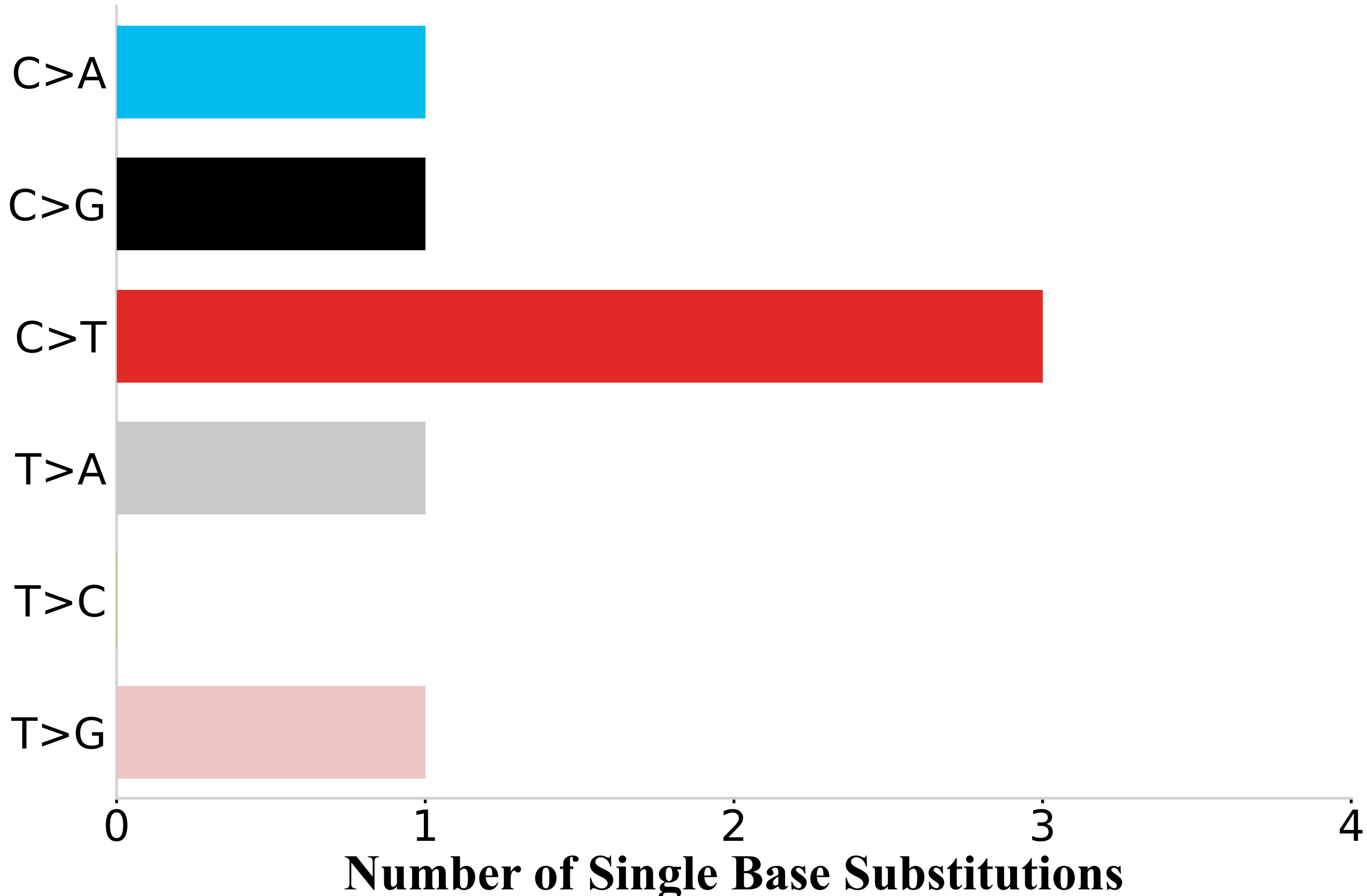
**Number of Single Base Substitutions**



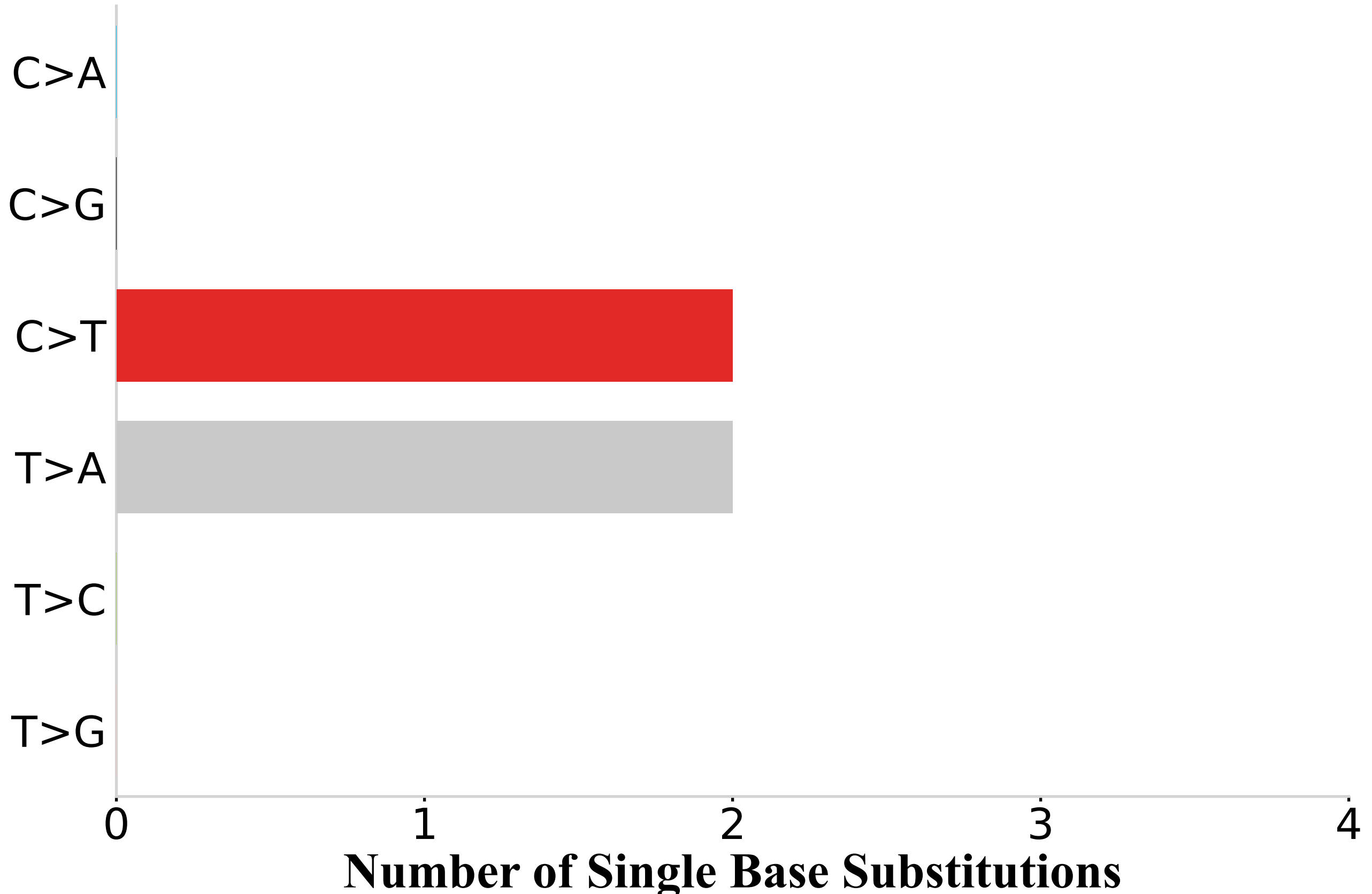
**P-0001321-T01-IM3: 3 subs**



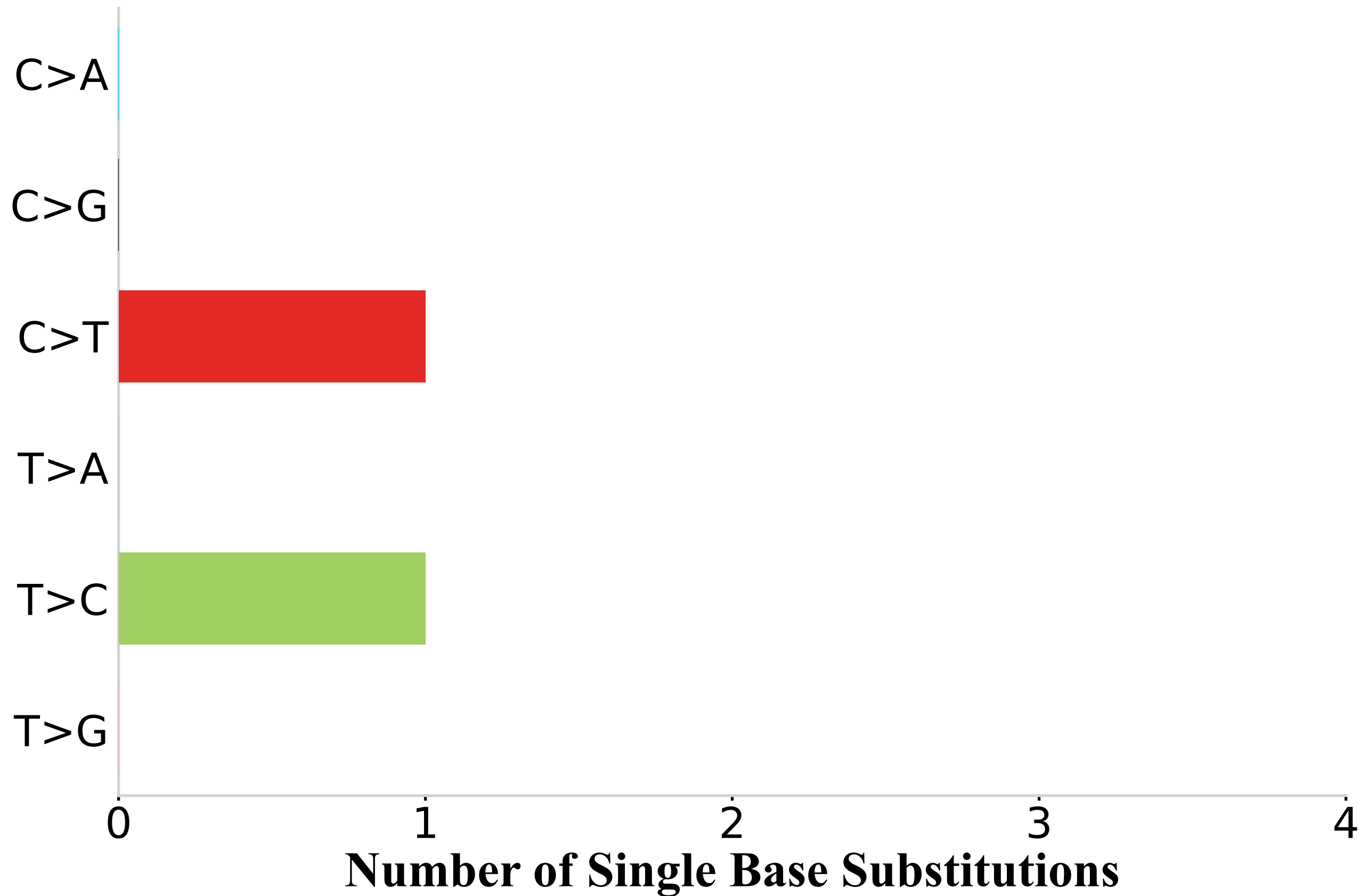
**P-0001324-T01-IM3: 7 subs**



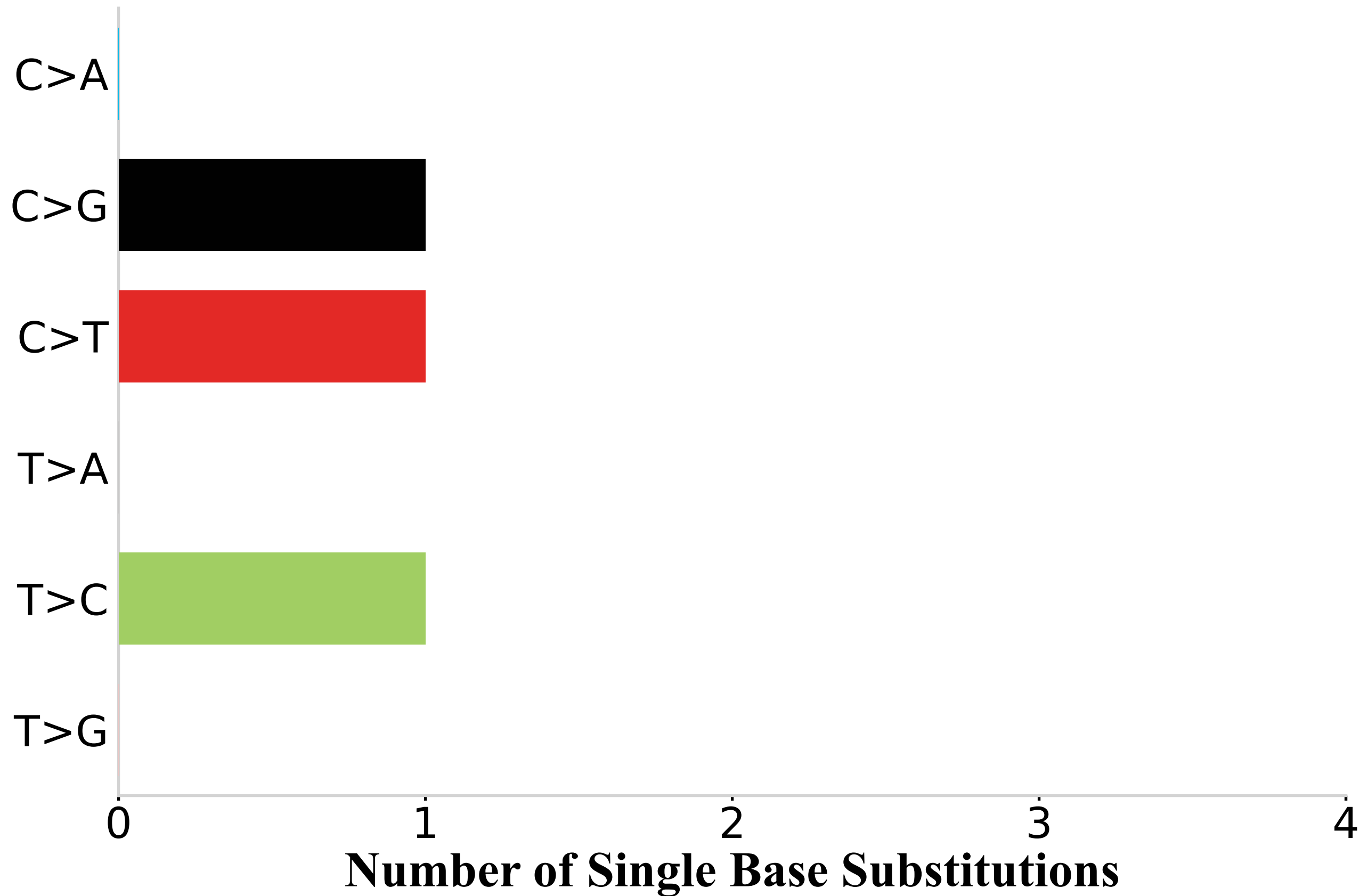
**P-0001336-T01-IM3: 4 subs**



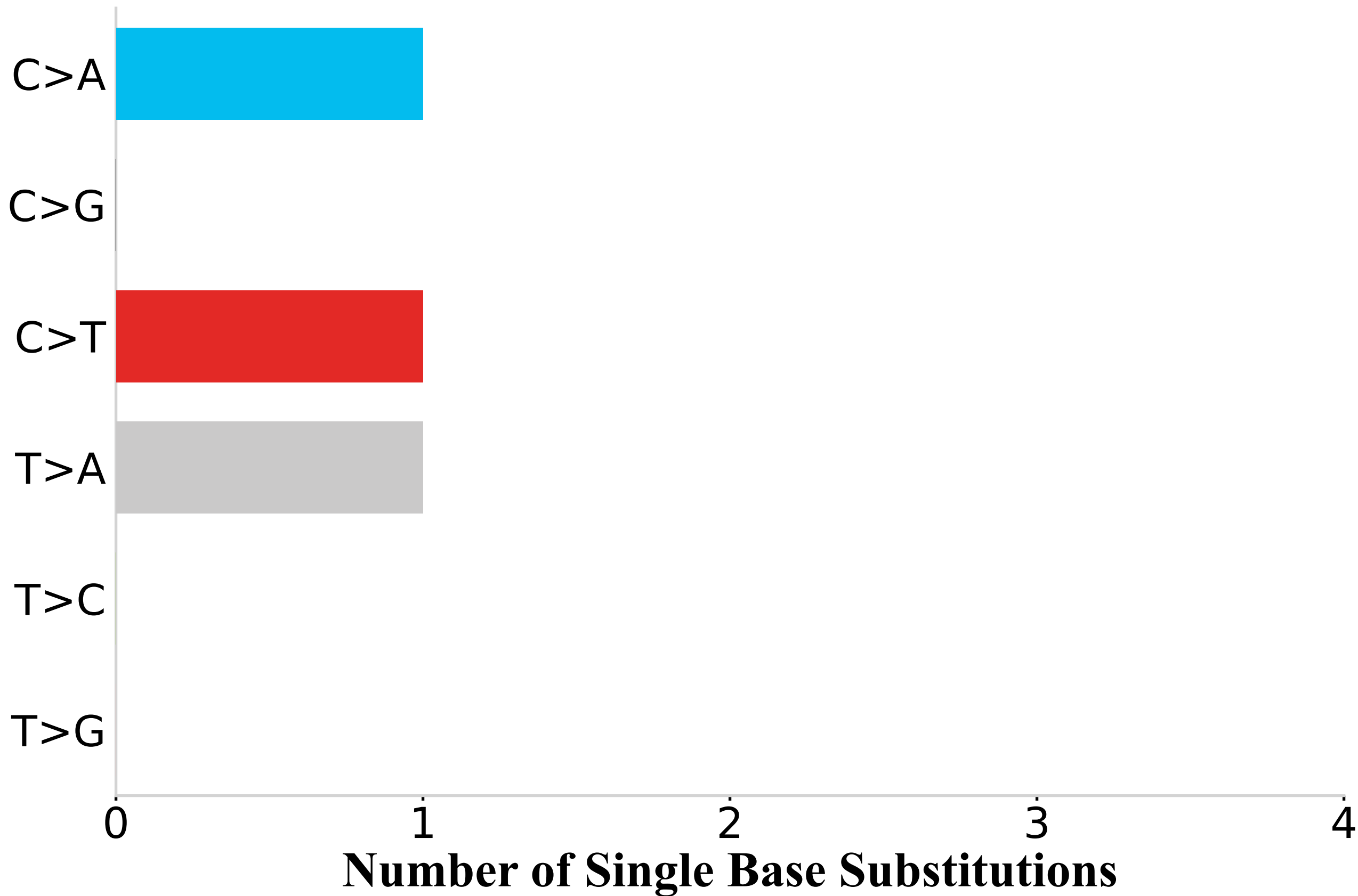
**P-0001409-T01-IM3: 2 subs**



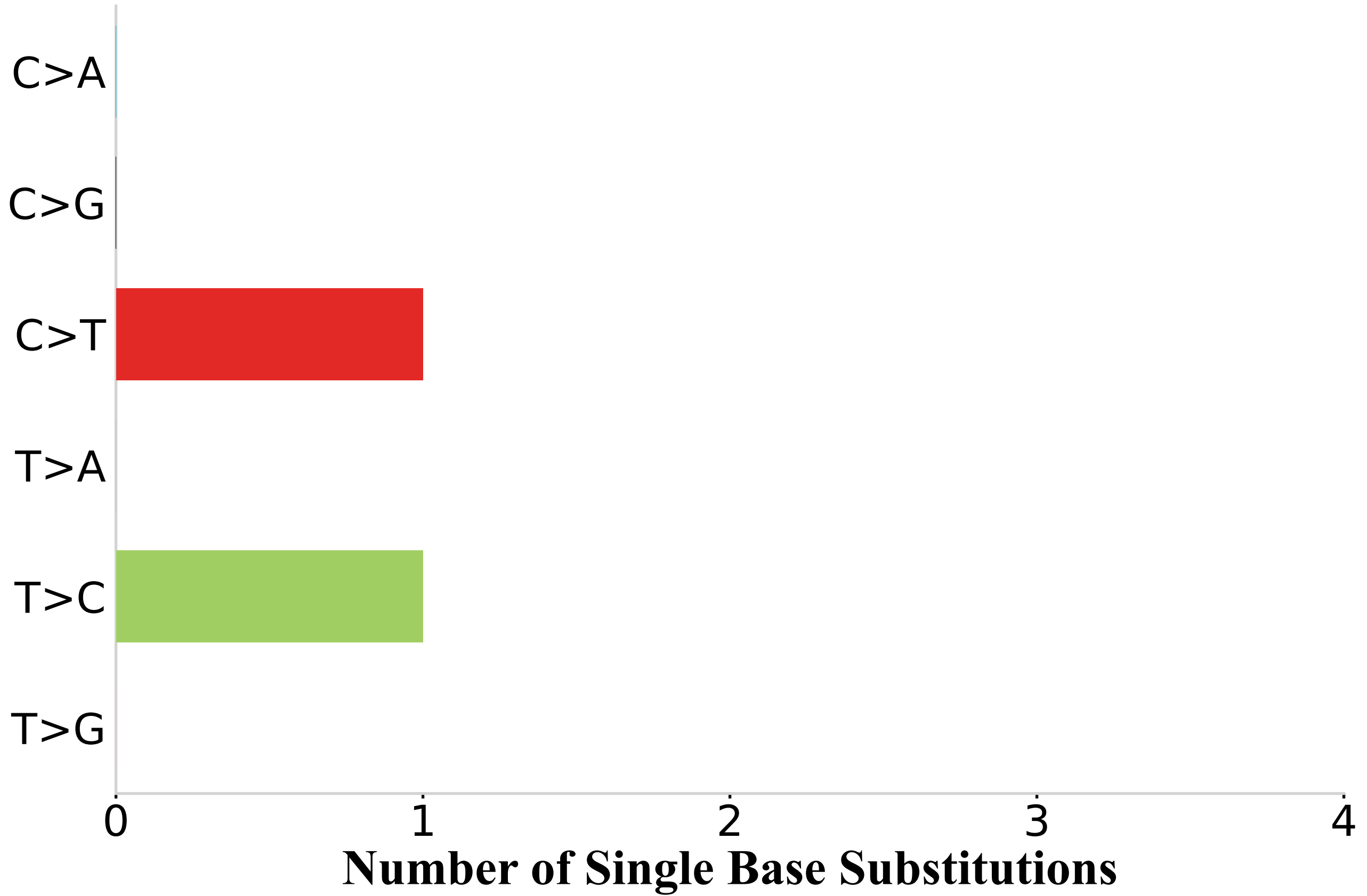
**P-0001507-T01-IM3: 3 subs**



**P-0001806-T01-IM3: 3 subs**



**P-0001852-T01-IM3: 2 subs**

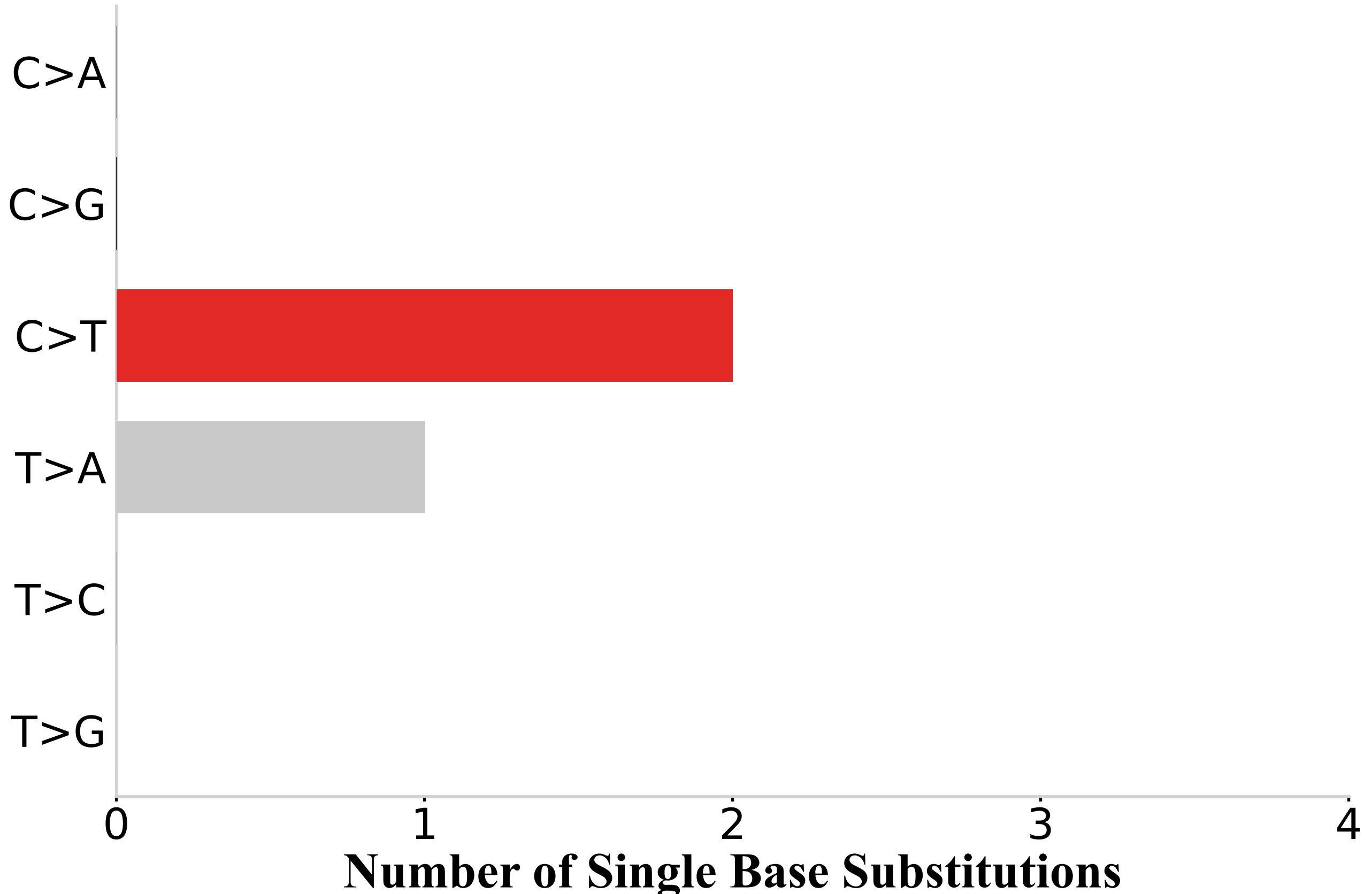




**P-0001974-T01-IM3: 1 subs**



**P-0002299-T01-IM3: 3 subs**



**P-0002317-T01-IM3: 0 subs**

C>A

C>G

C>T

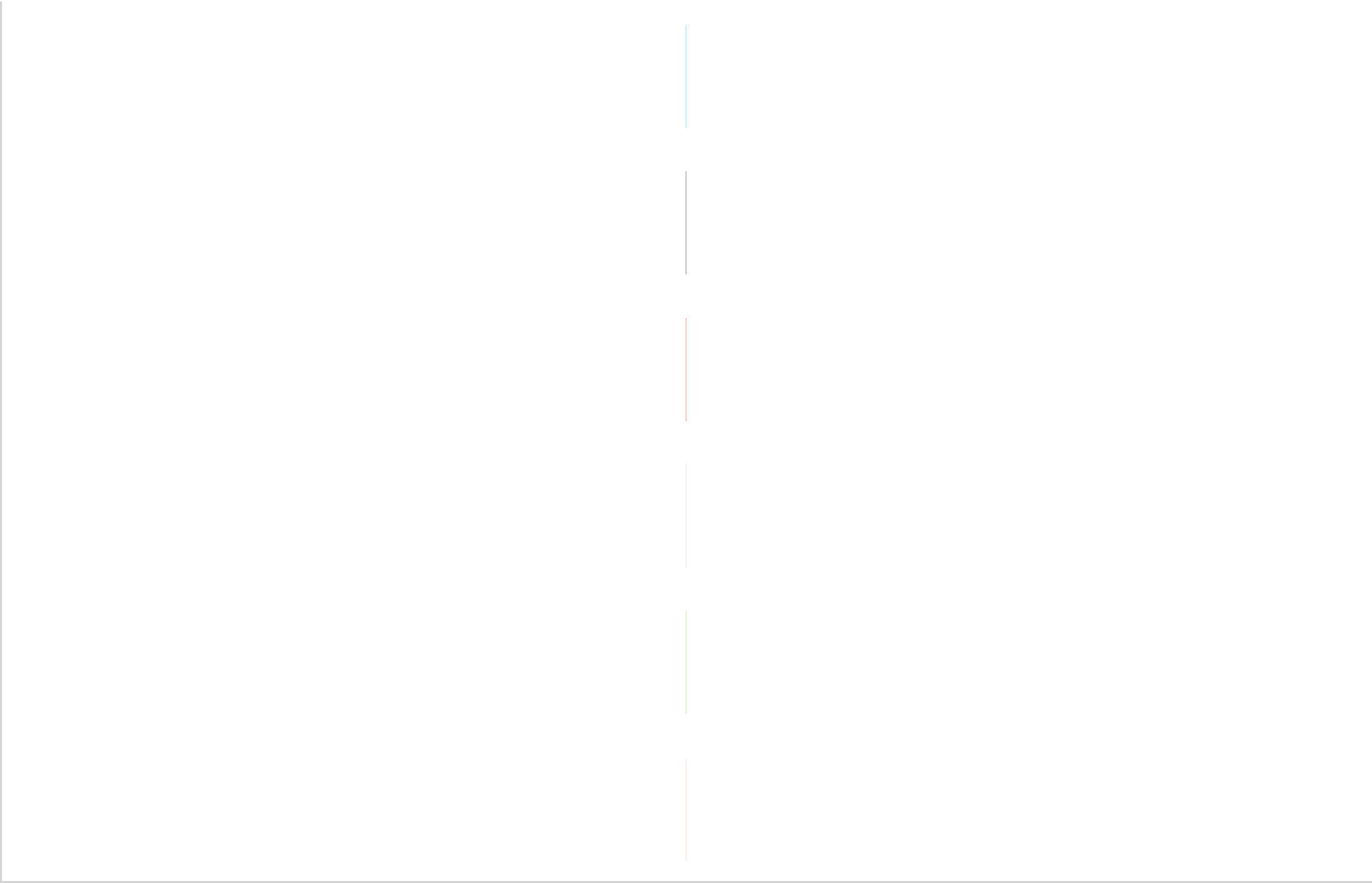
T>A

T>C

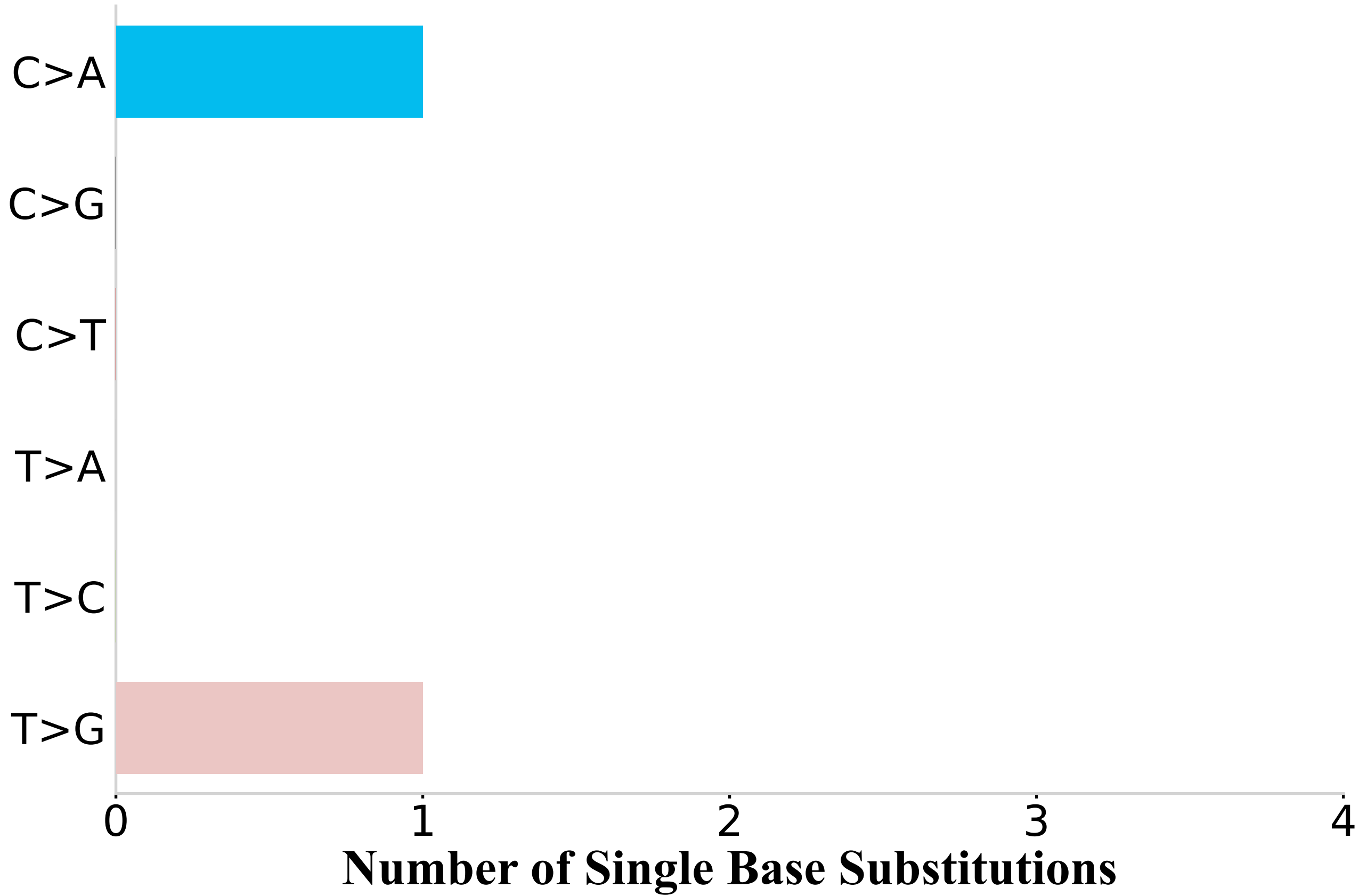
T>G

0

**Number of Single Base Substitutions**



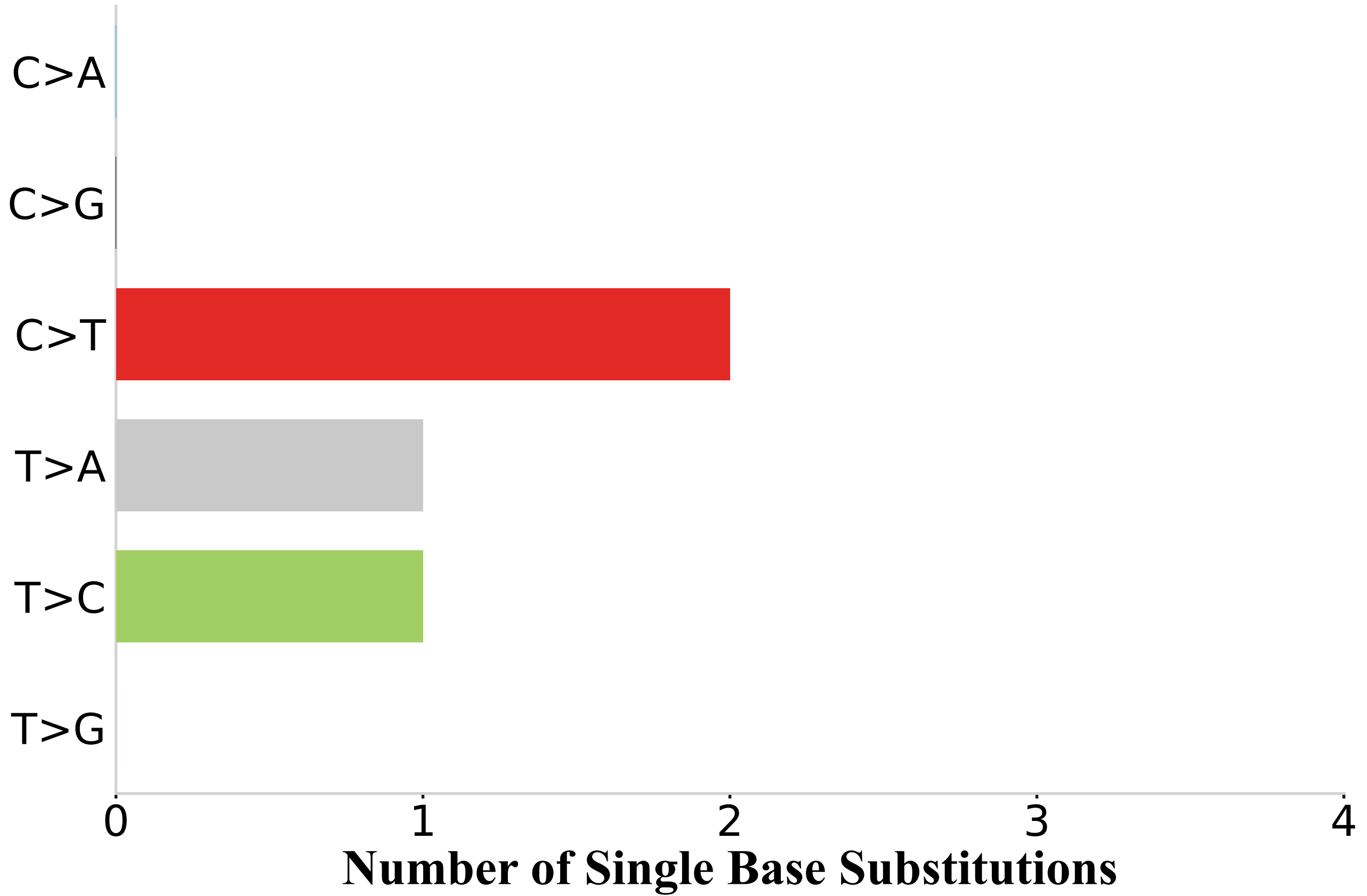
**P-0002697-T01-IM3: 2 subs**



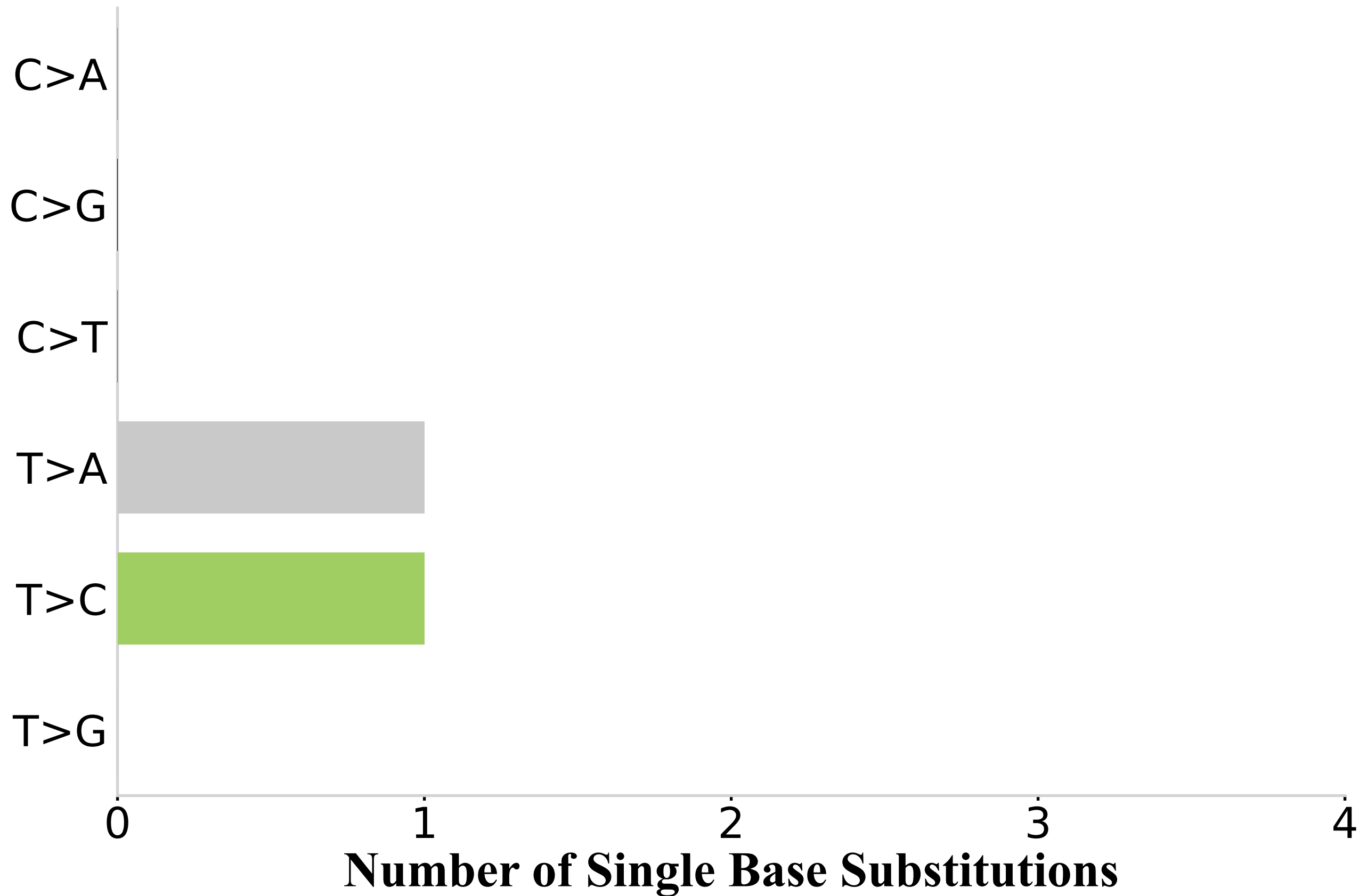
**P-0002719-T01-IM3: 4 subs**



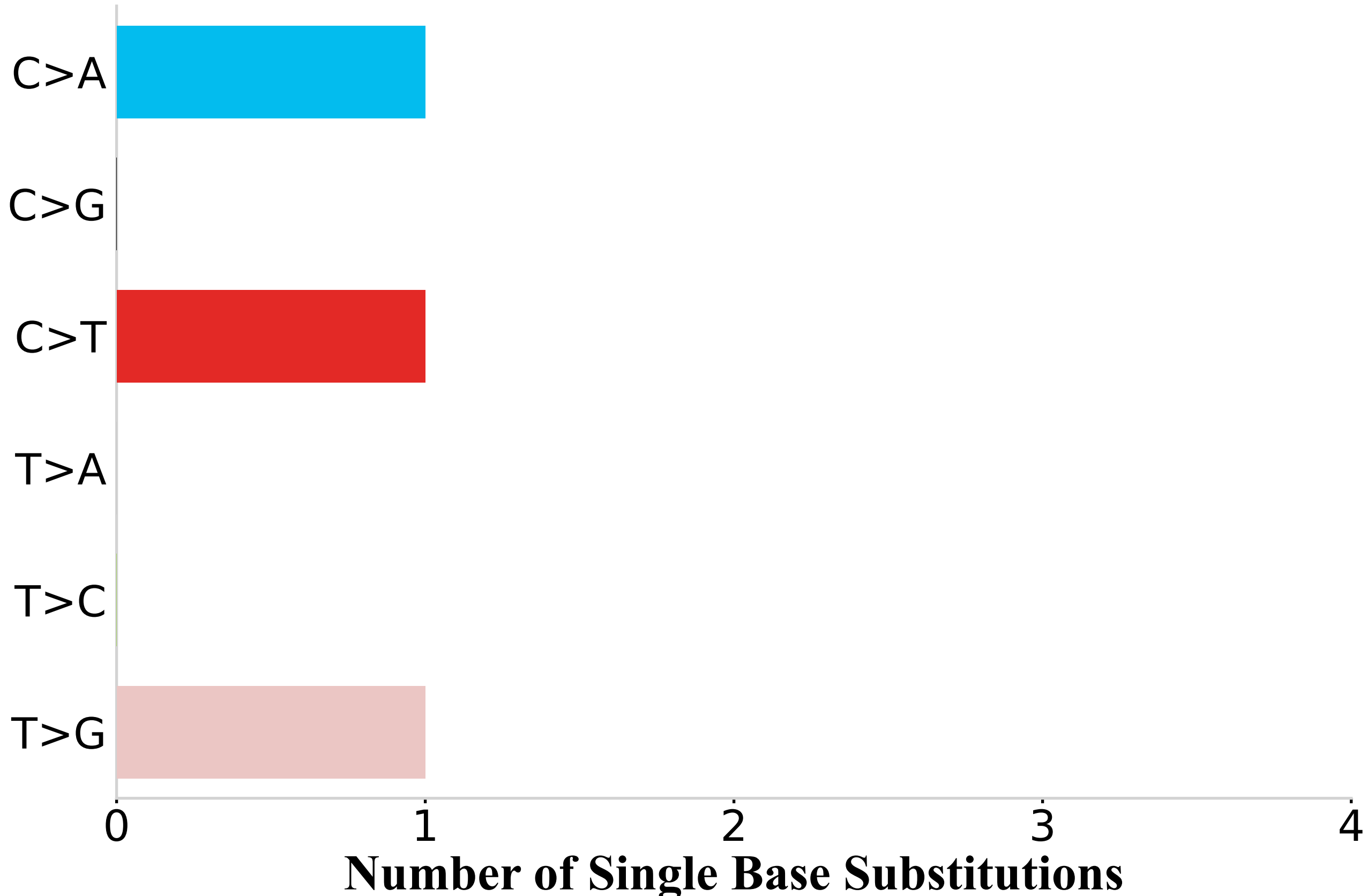
**P-0002753-T01-IM3: 4 subs**



**P-0003212-T01-IM5: 2 subs**

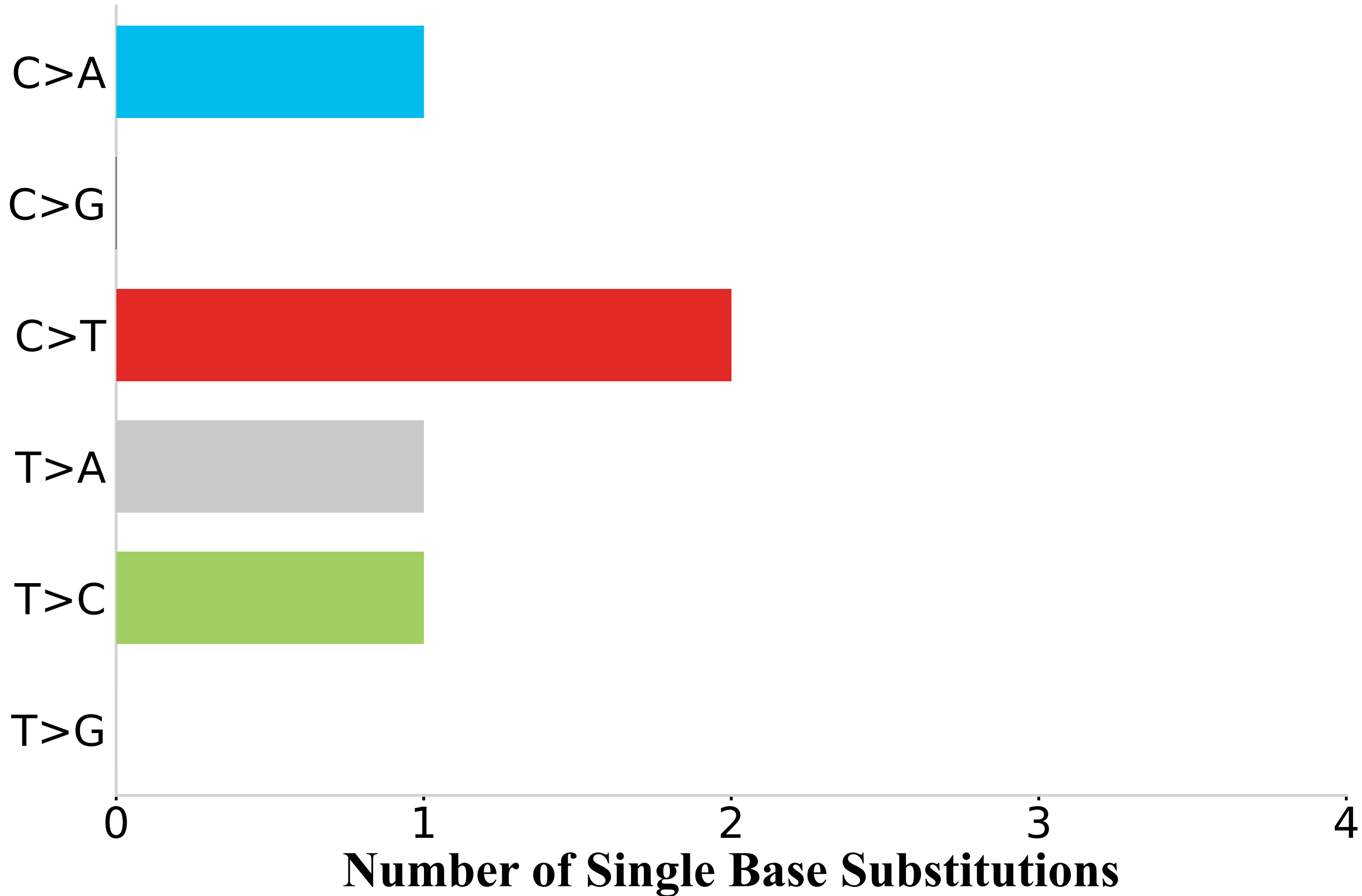


**P-0004247-T01-IM5: 3 subs**

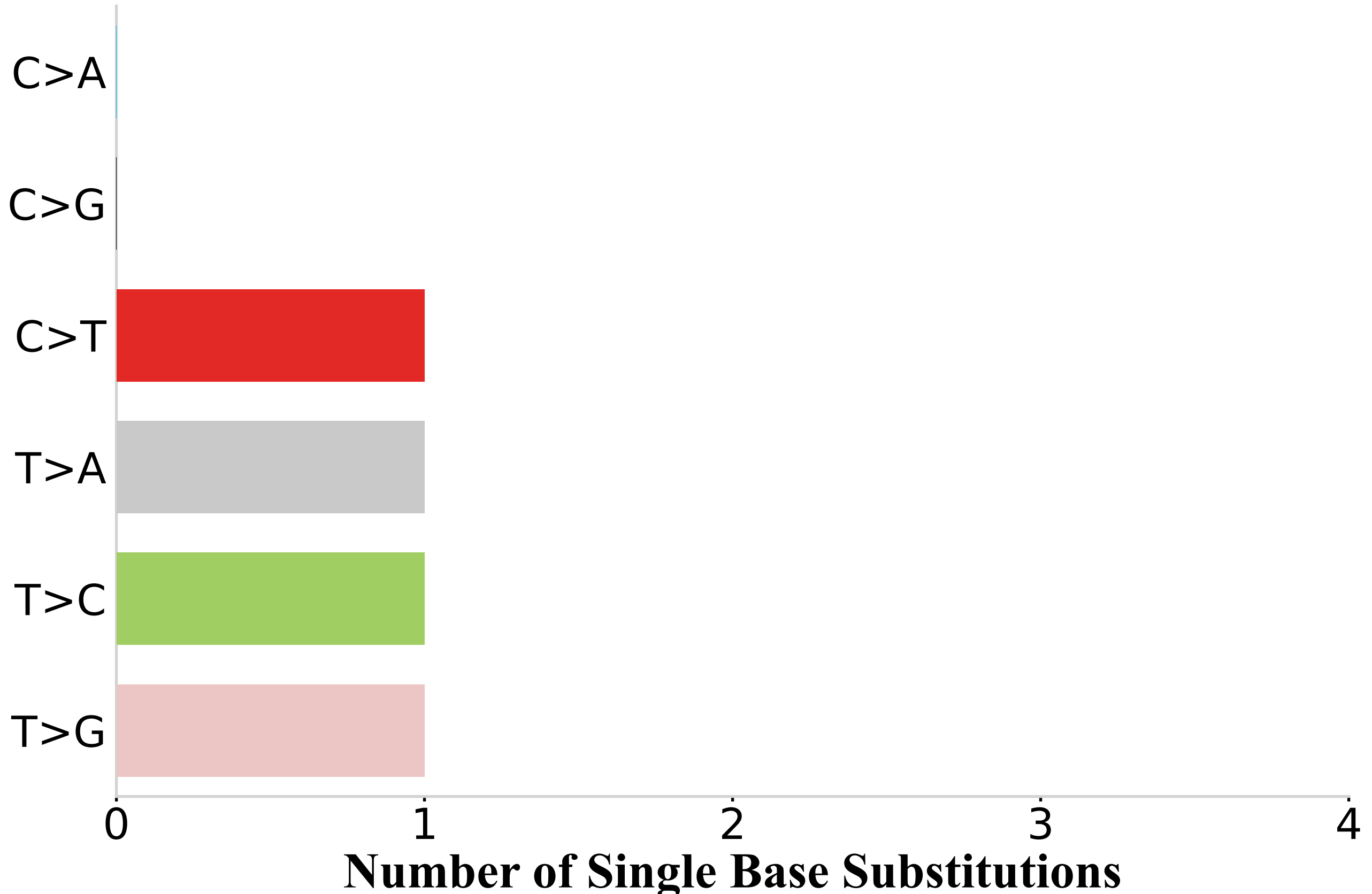




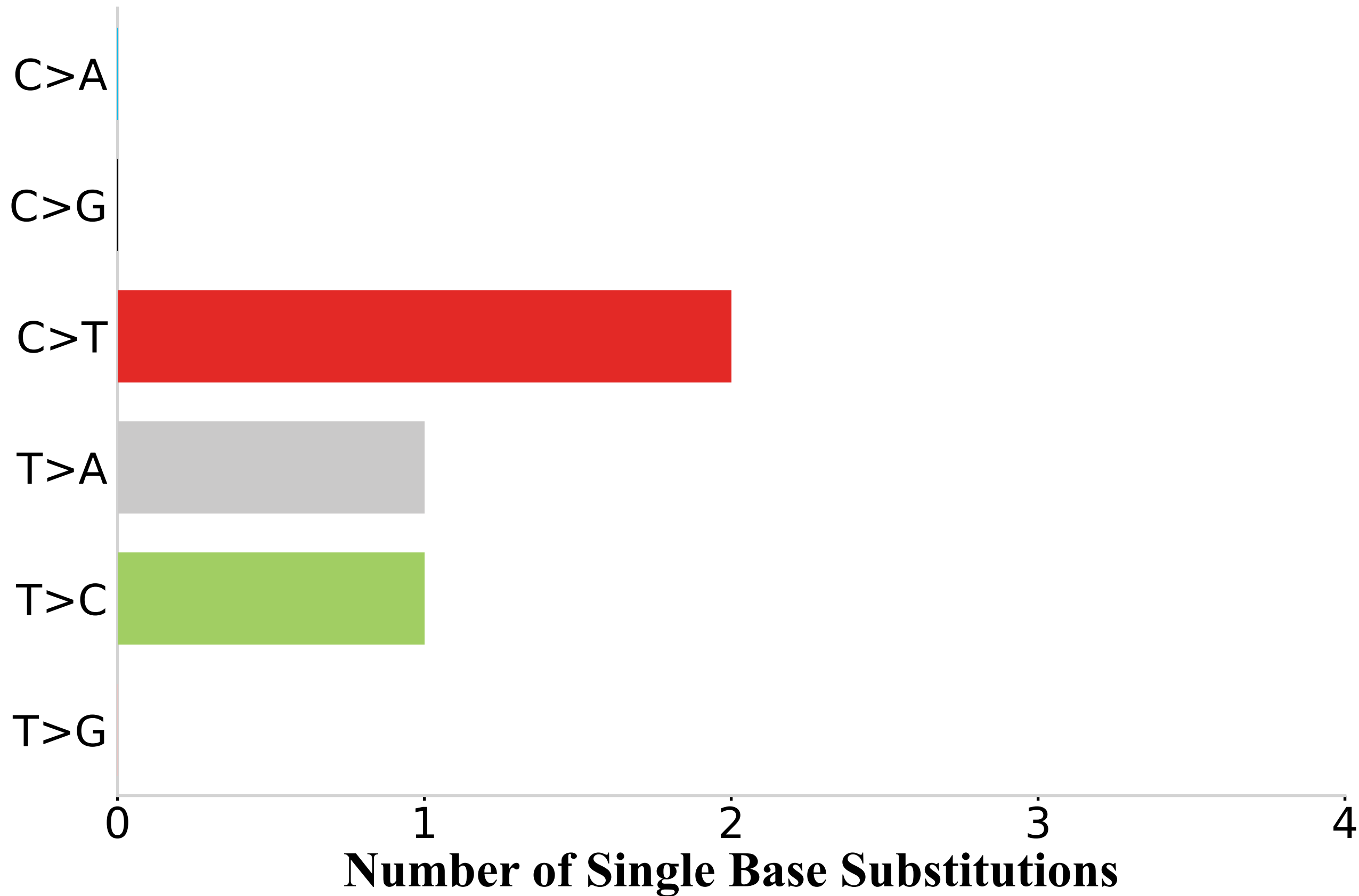
**P-0004876-T02-IM5: 5 subs**



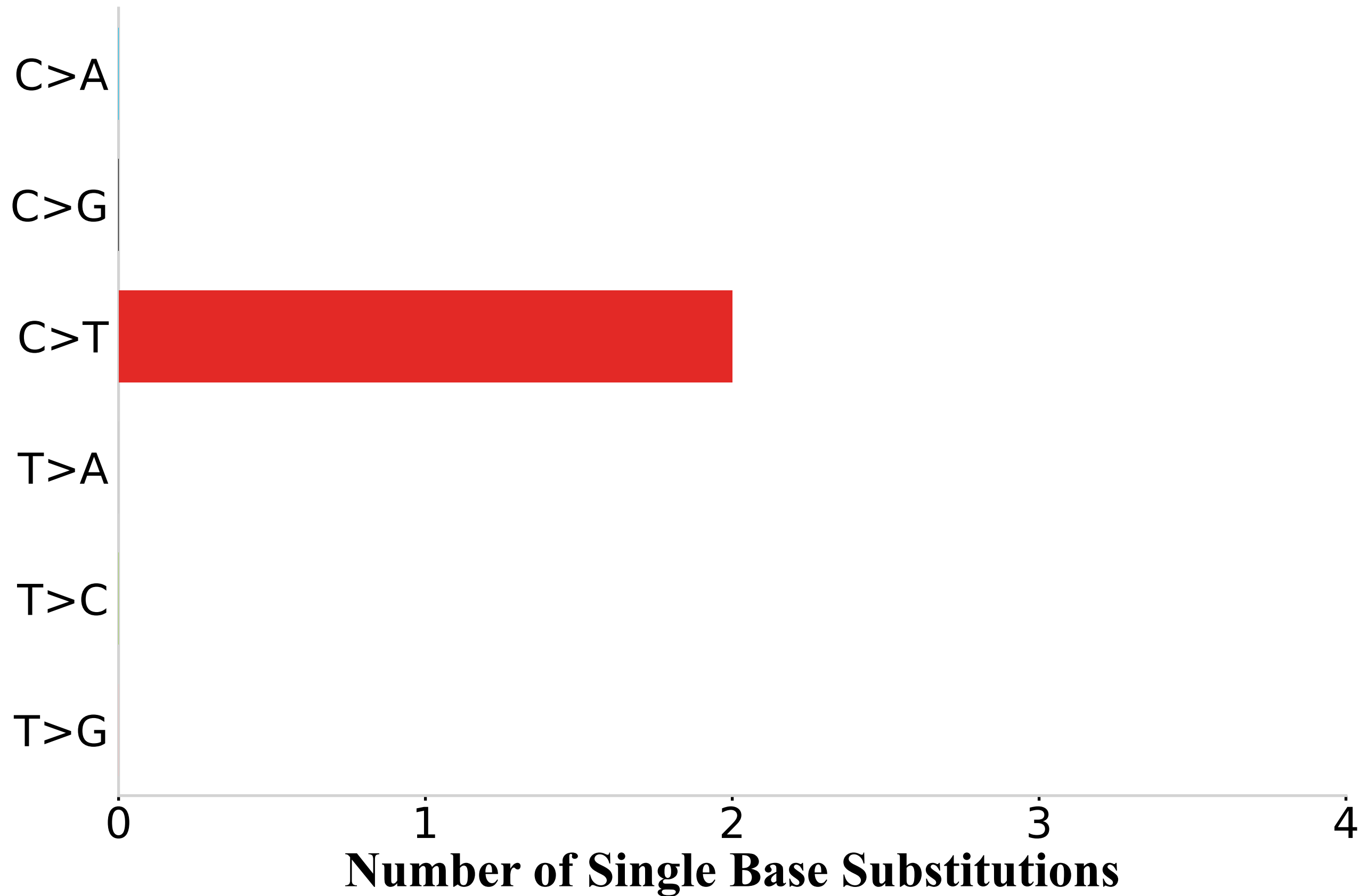
**P-0004930-T01-IM5: 4 subs**



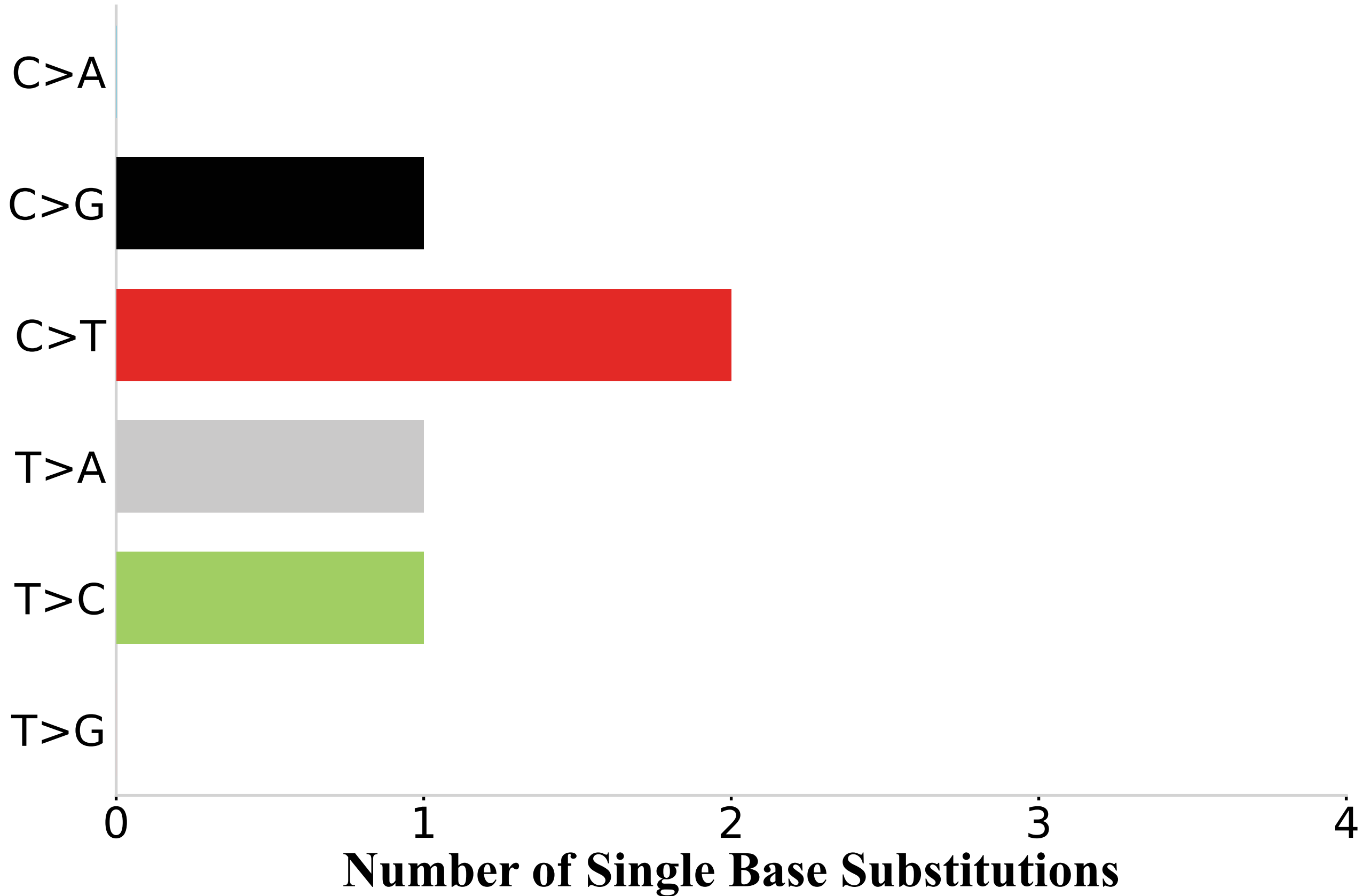
**P-0005038-T02-IM6: 4 subs**



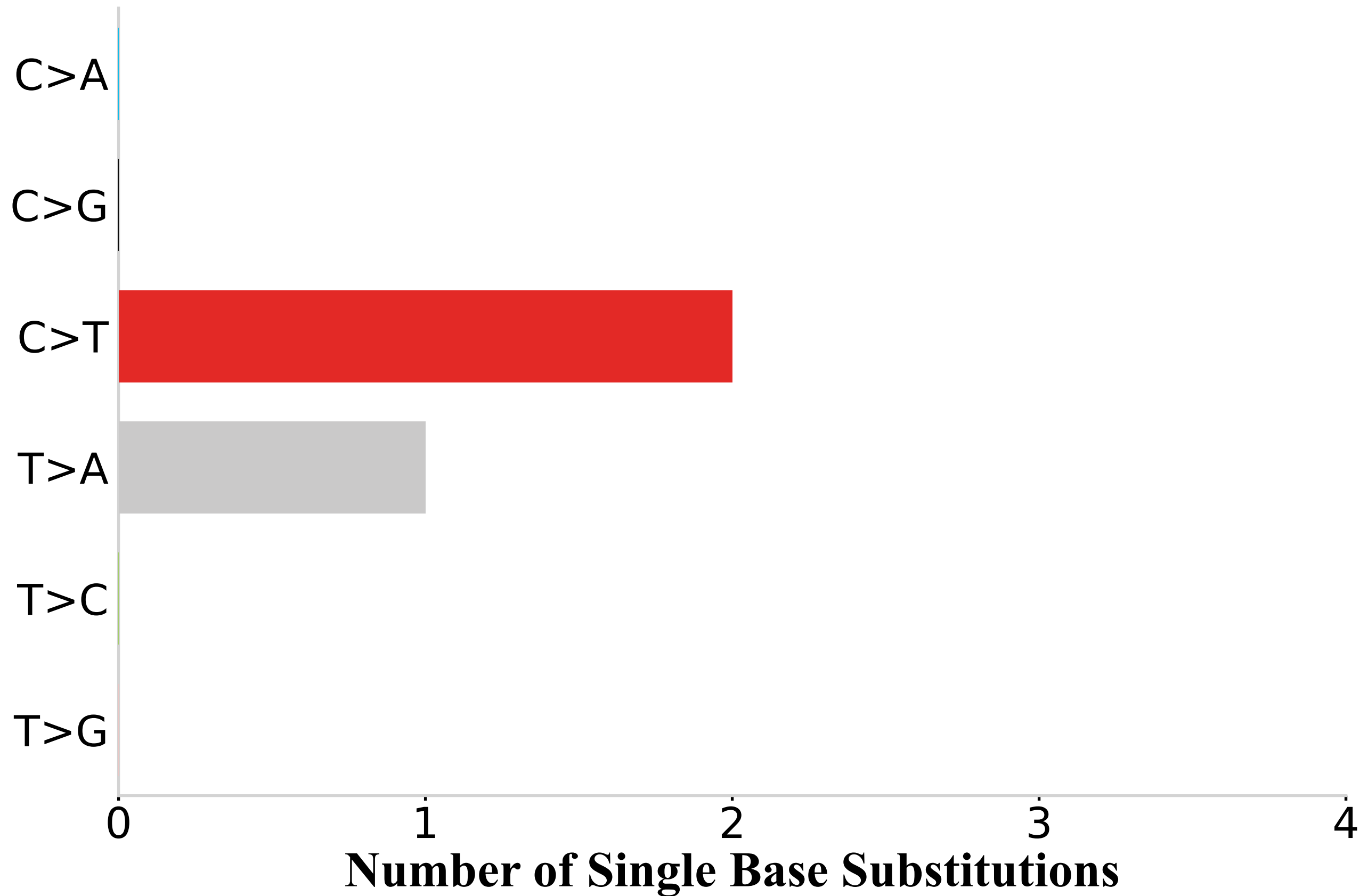
**P-0005202-T01-IM5: 2 subs**



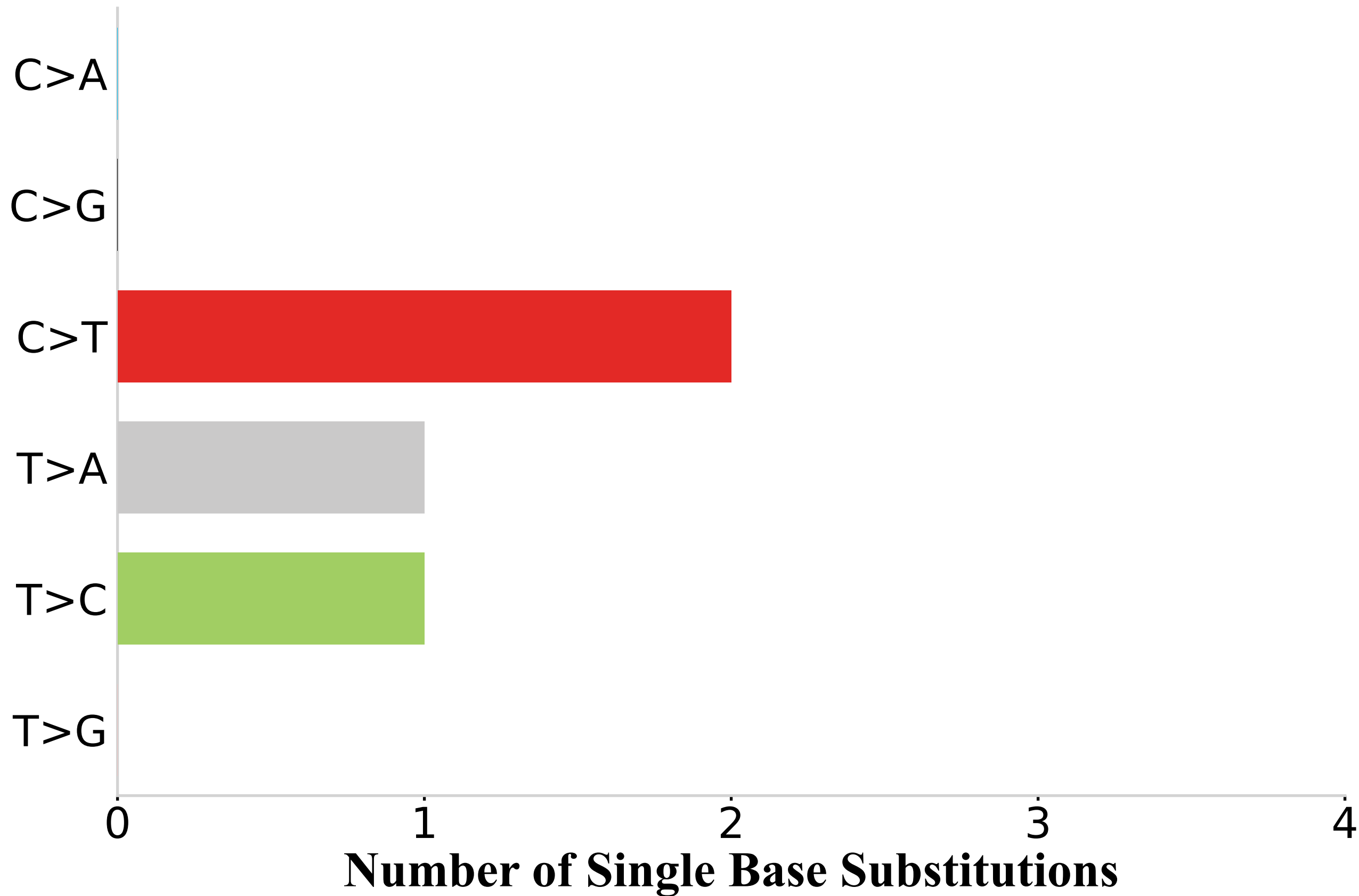
**P-0005357-T01-IM5: 5 subs**



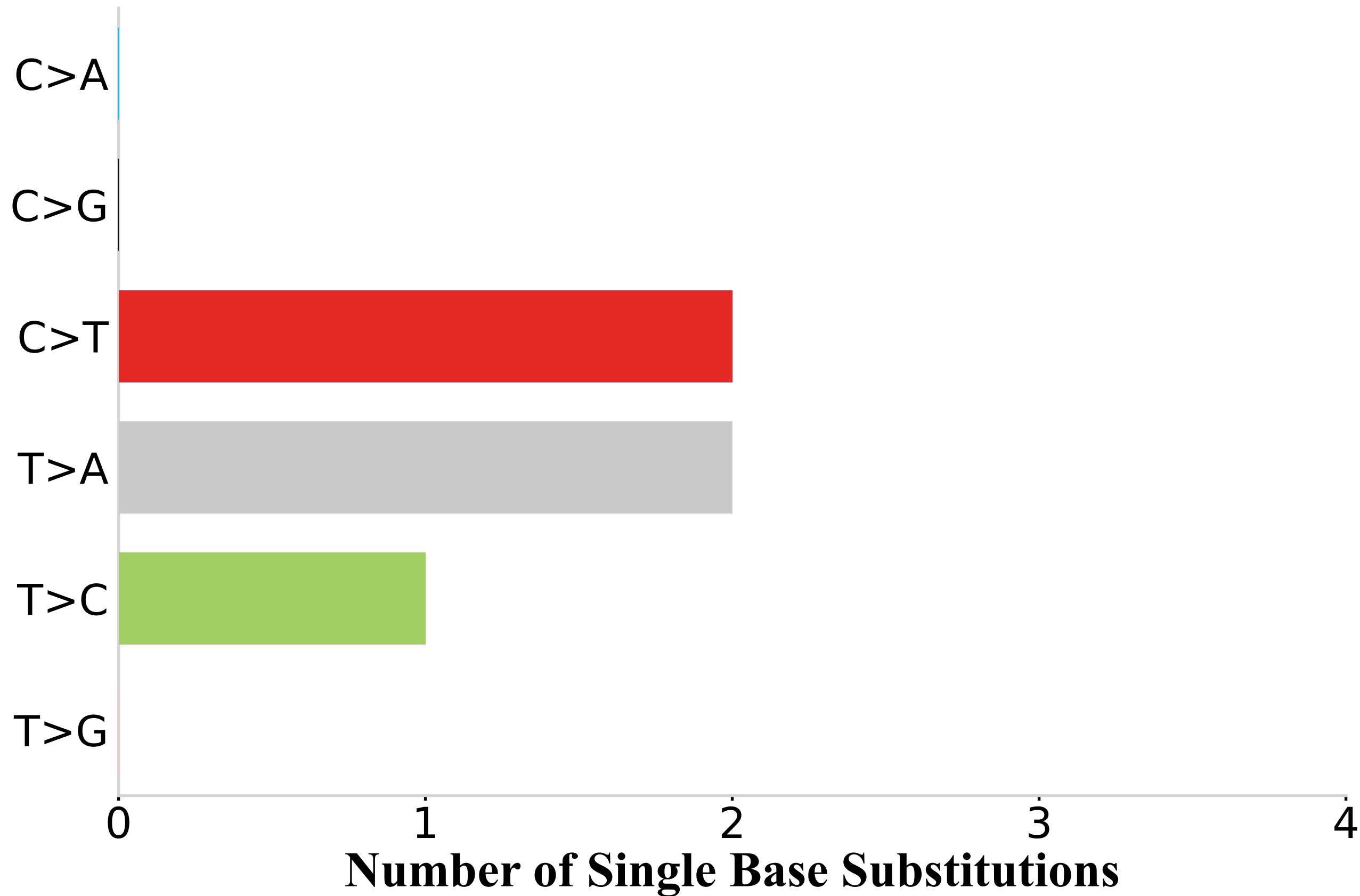
**P-0005671-T01-IM5: 3 subs**



**P-0005757-T01-IM5: 4 subs**

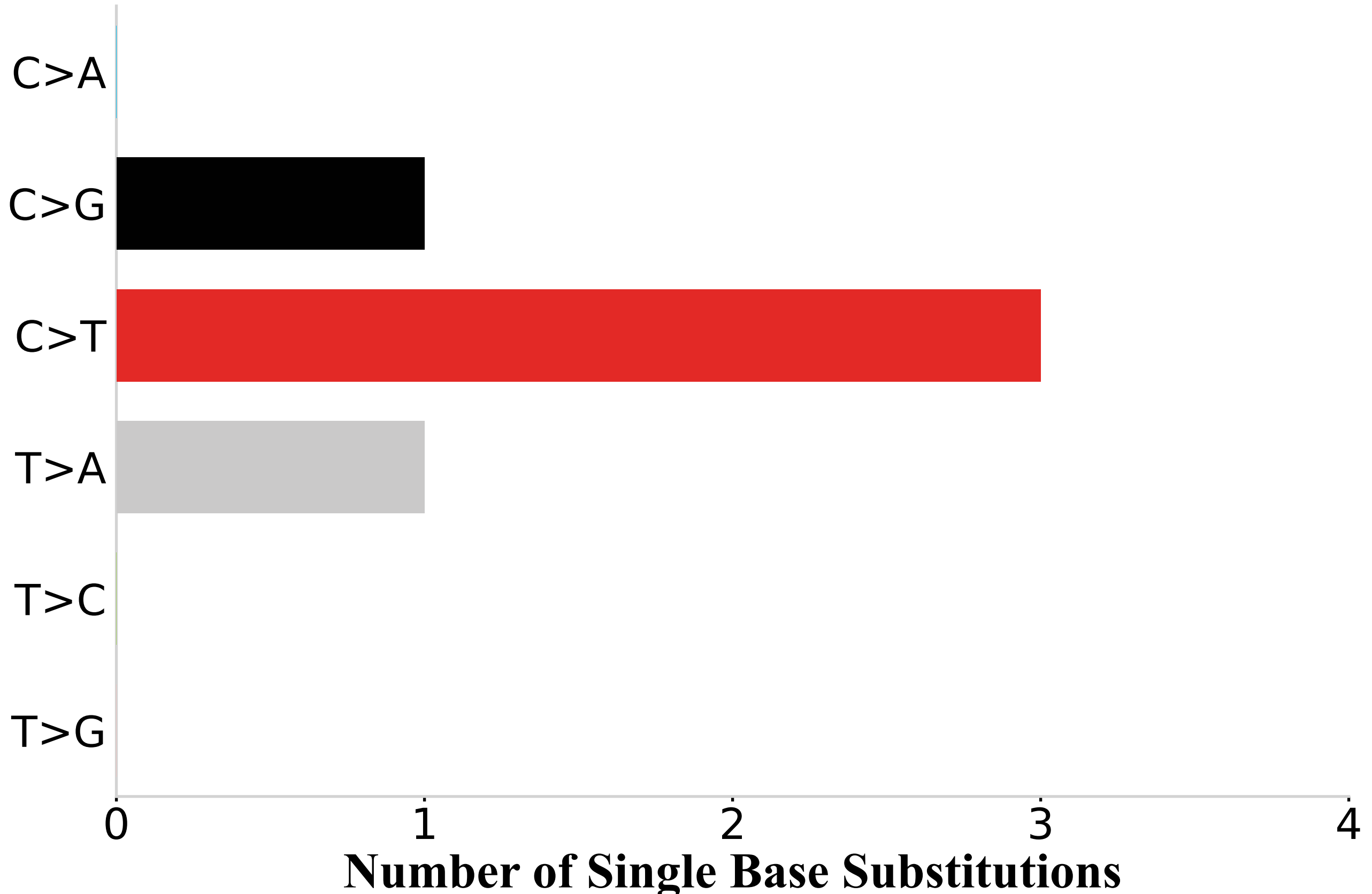


**P-0005779-T01-IM5: 5 subs**

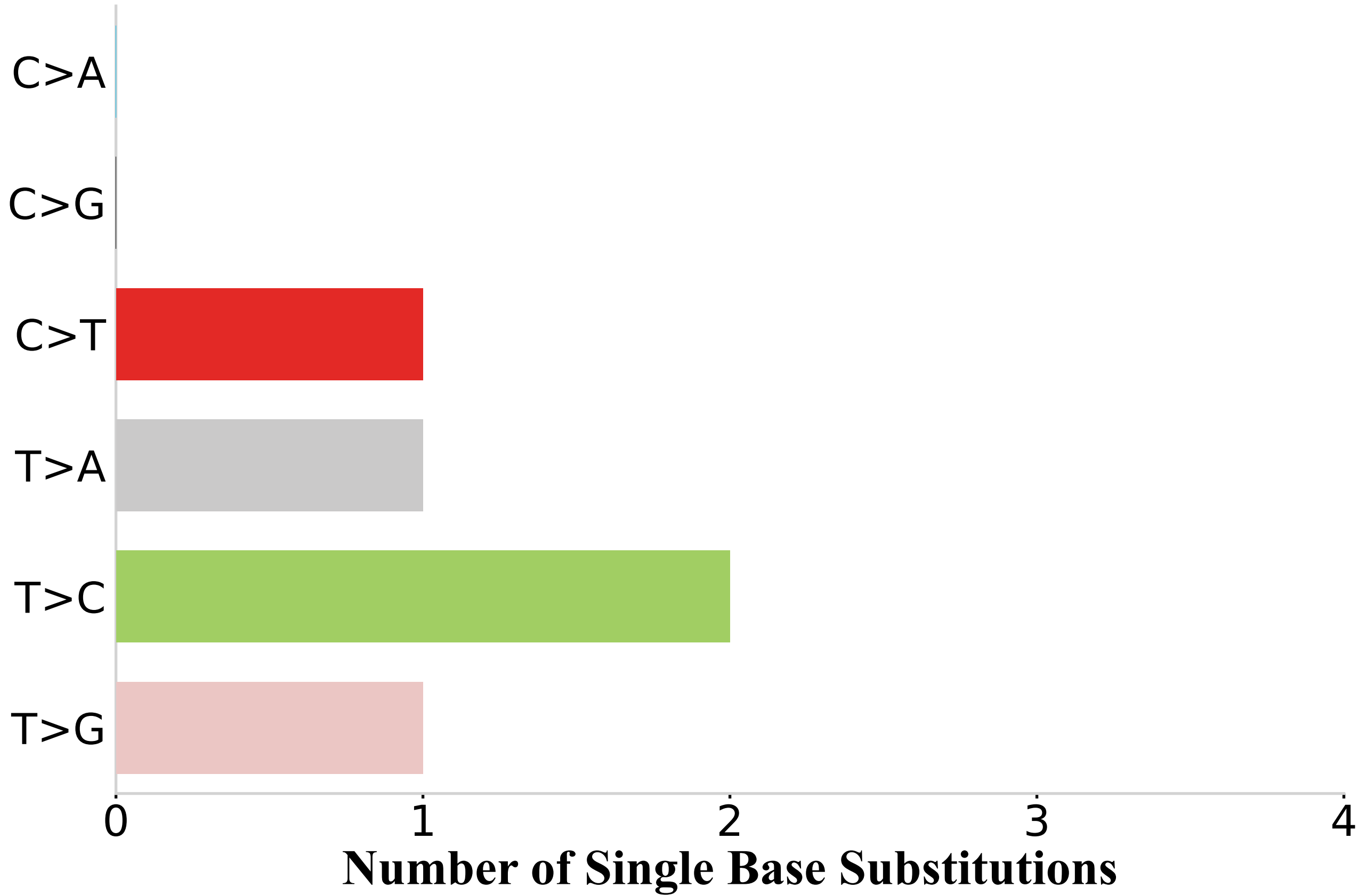




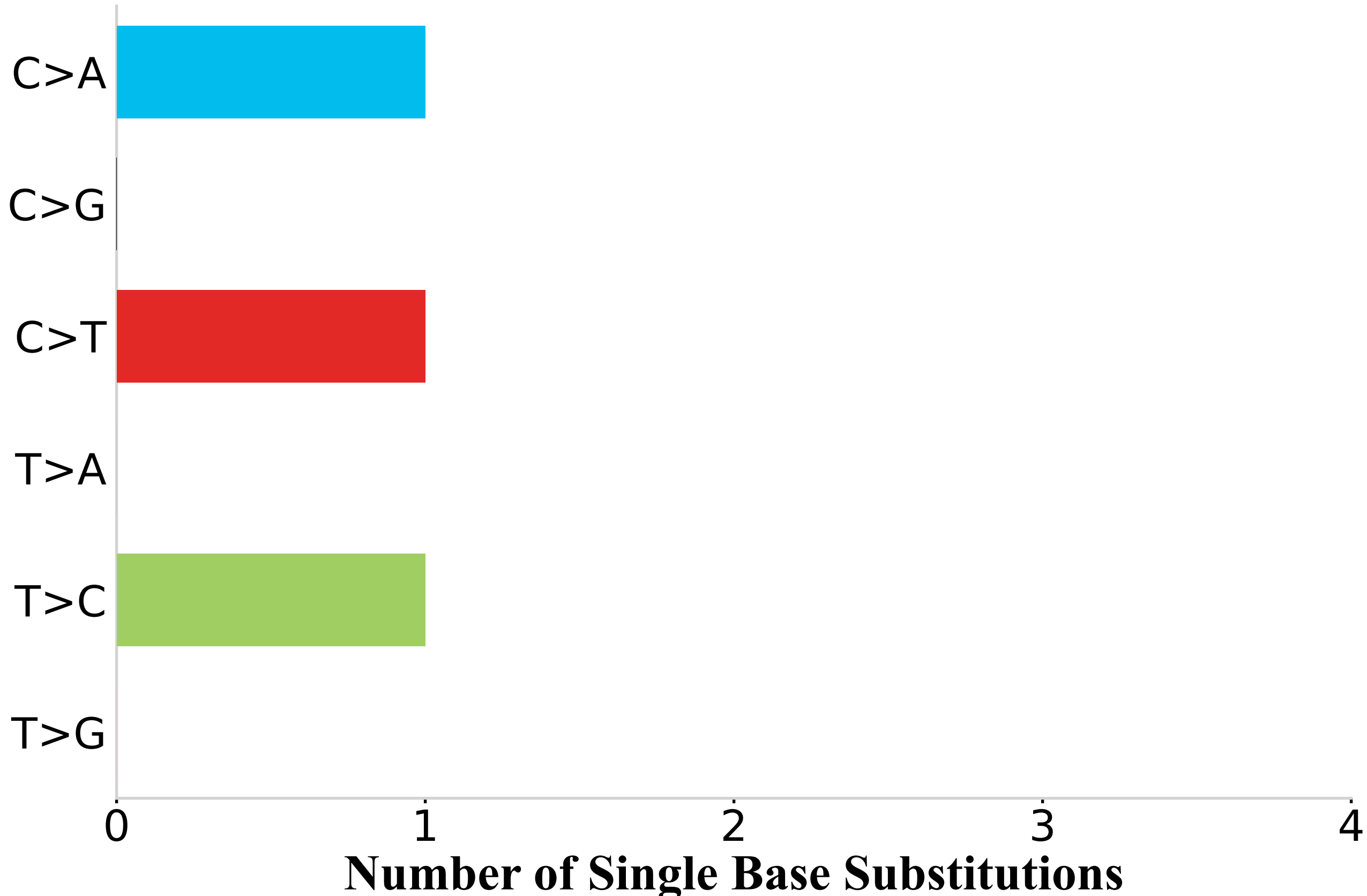
**P-0005782-T01-IM5: 5 subs**



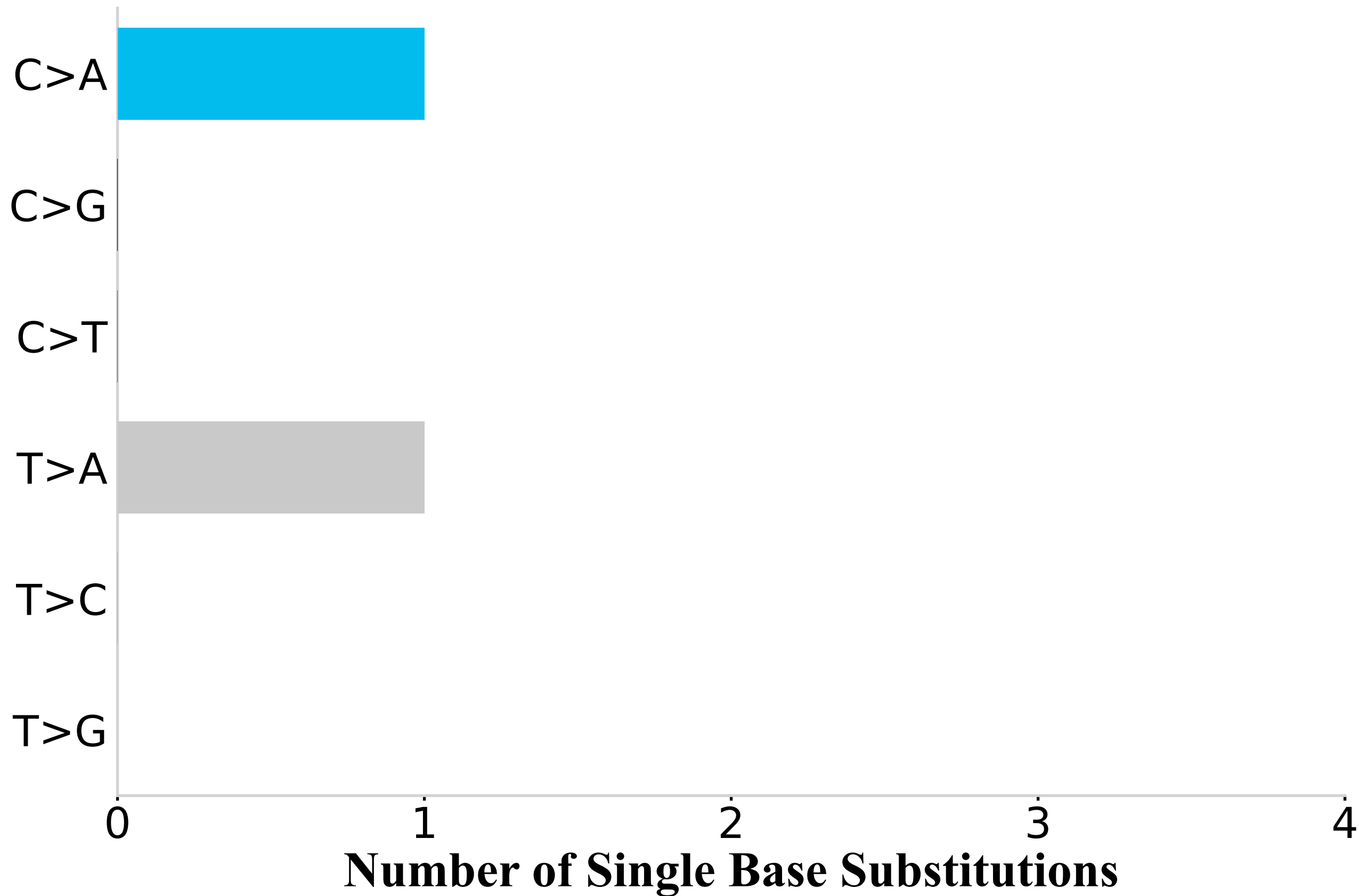
**P-0005854-T01-IM5: 5 subs**



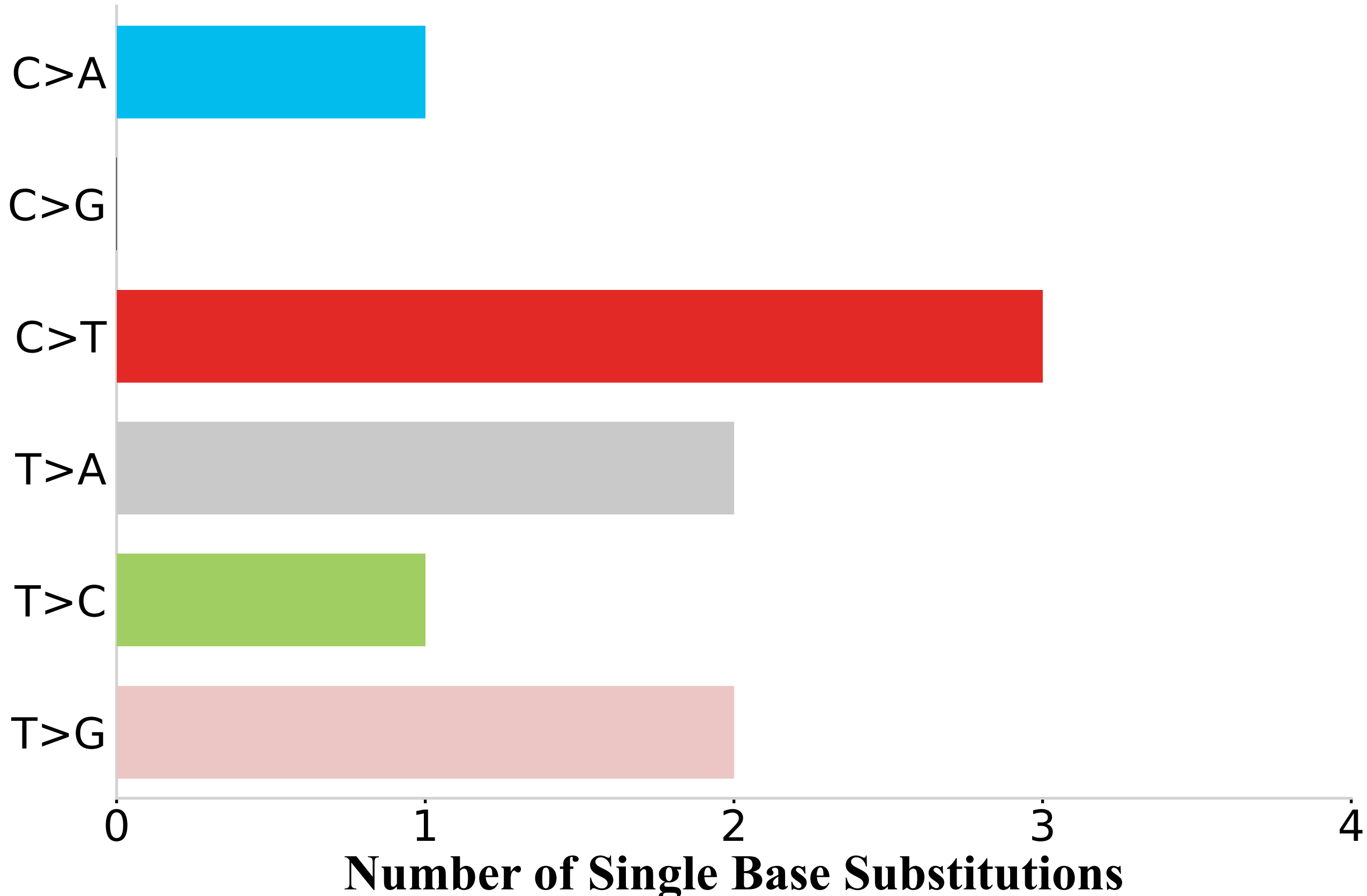
**P-0006082-T01-IM5: 3 subs**



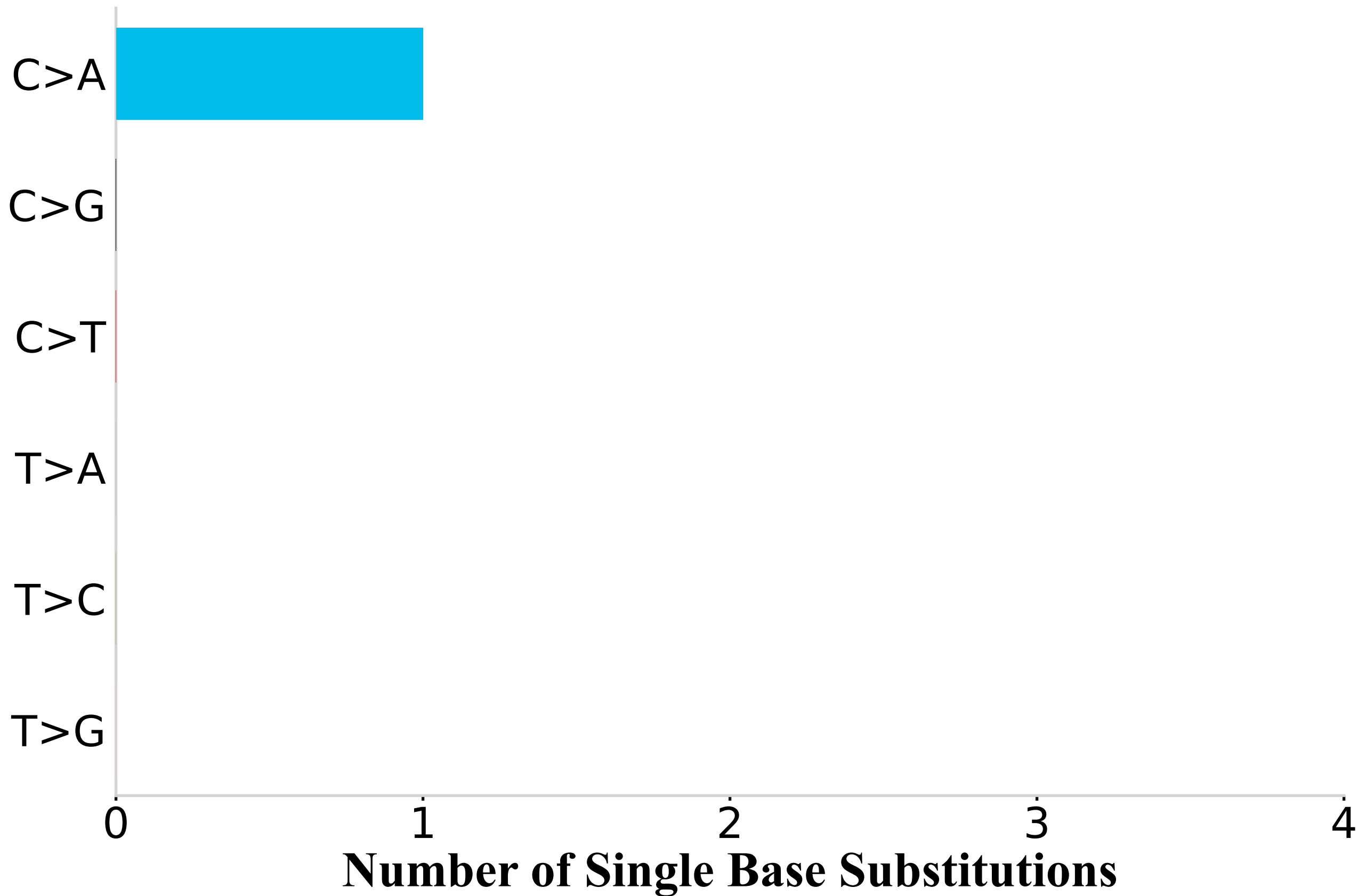
**P-0006102-T01-IM5: 2 subs**



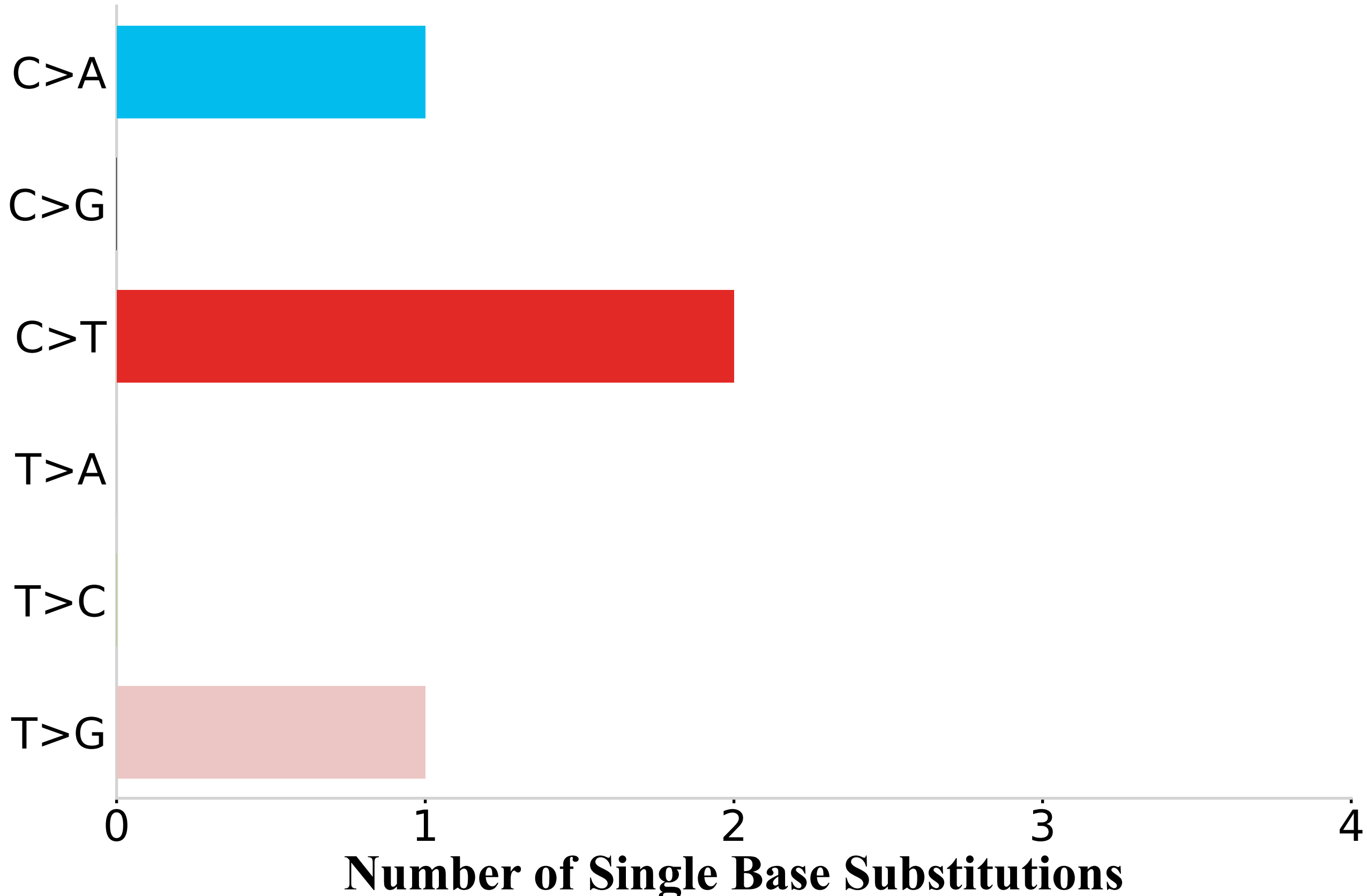
**P-0006245-T02-IM5: 9 subs**



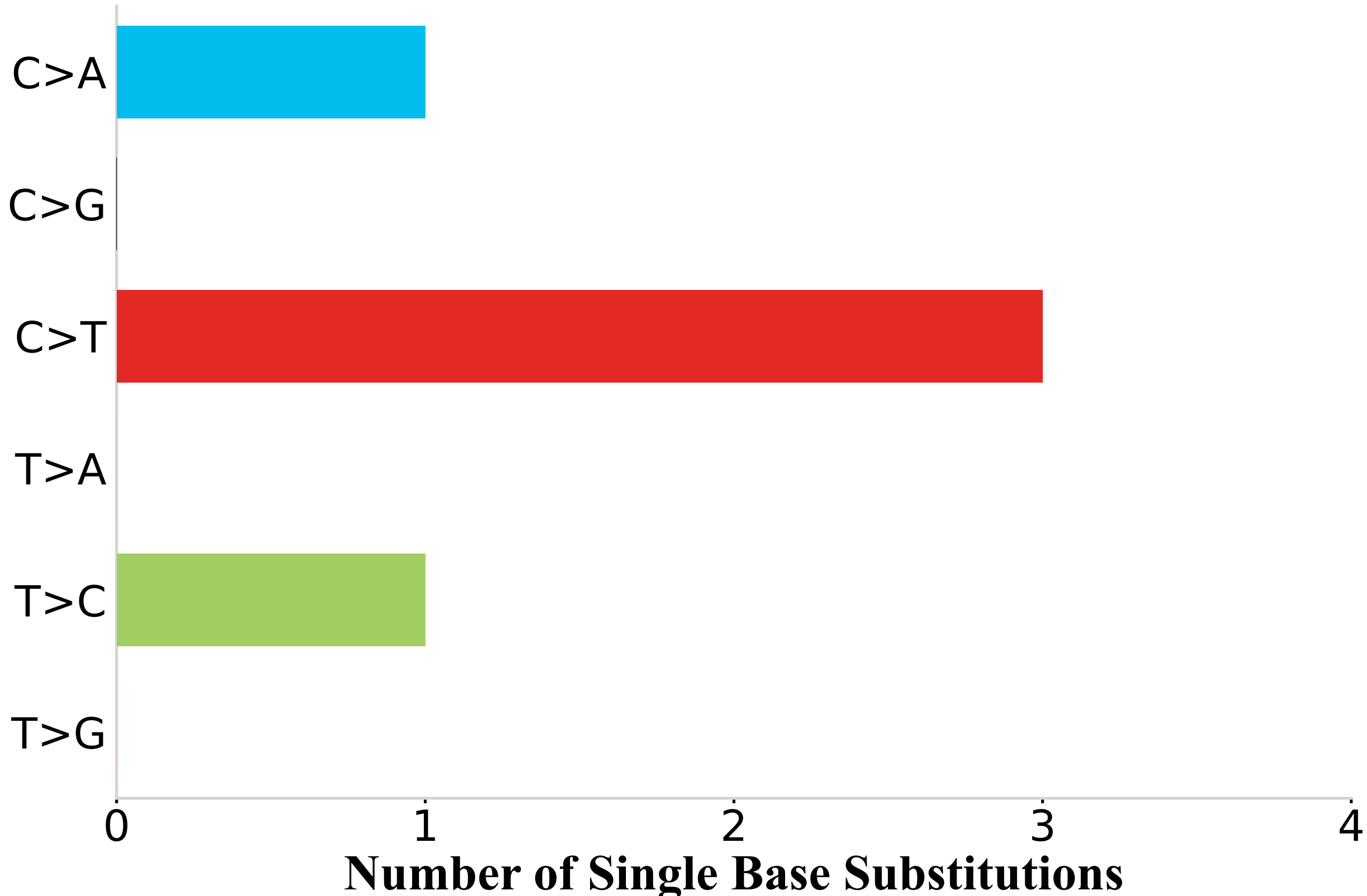
**P-0006403-T01-IM5: 1 subs**



**P-0006538-T01-IM5: 4 subs**

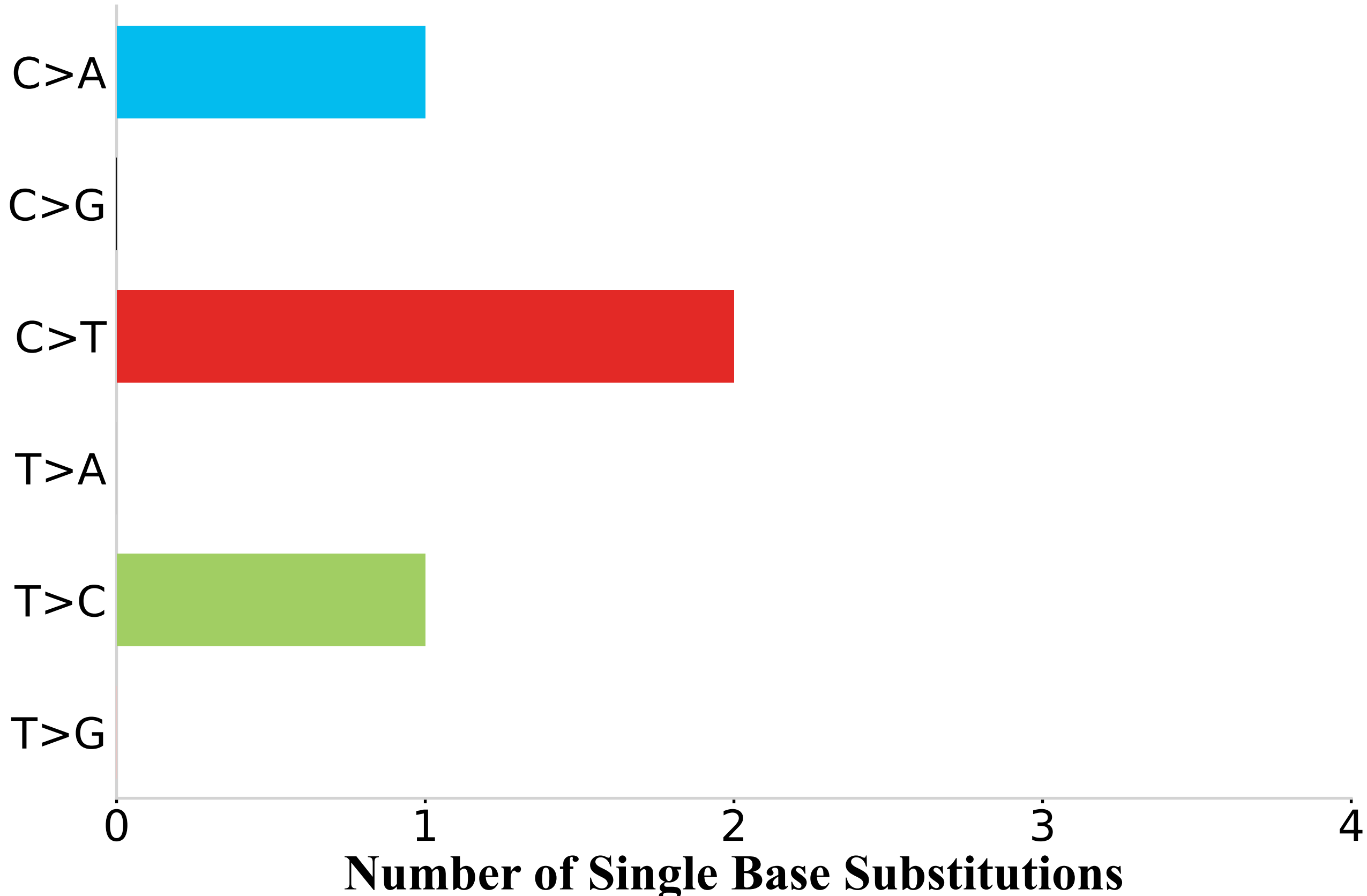


**P-0006599-T01-IM5: 5 subs**

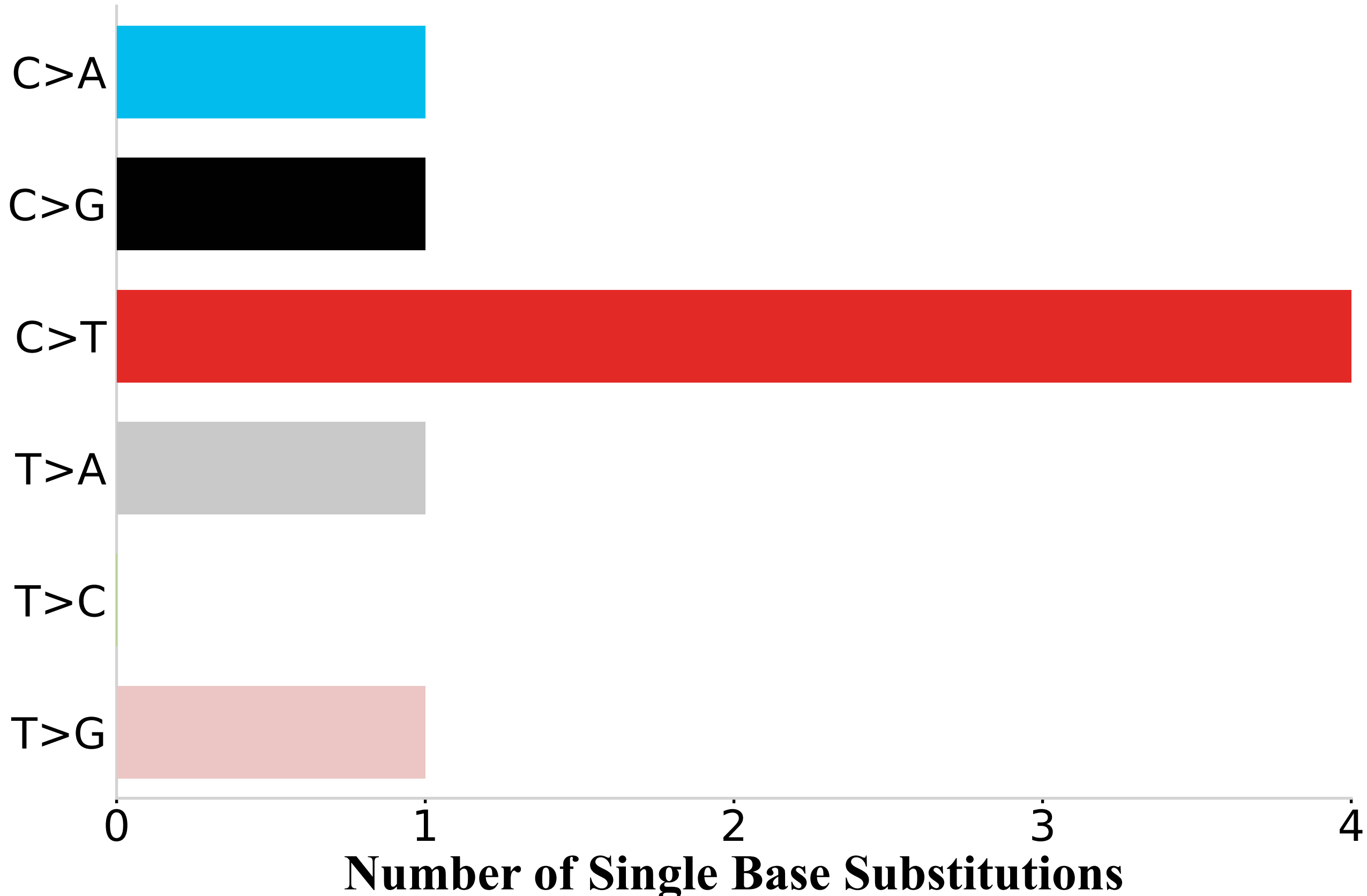




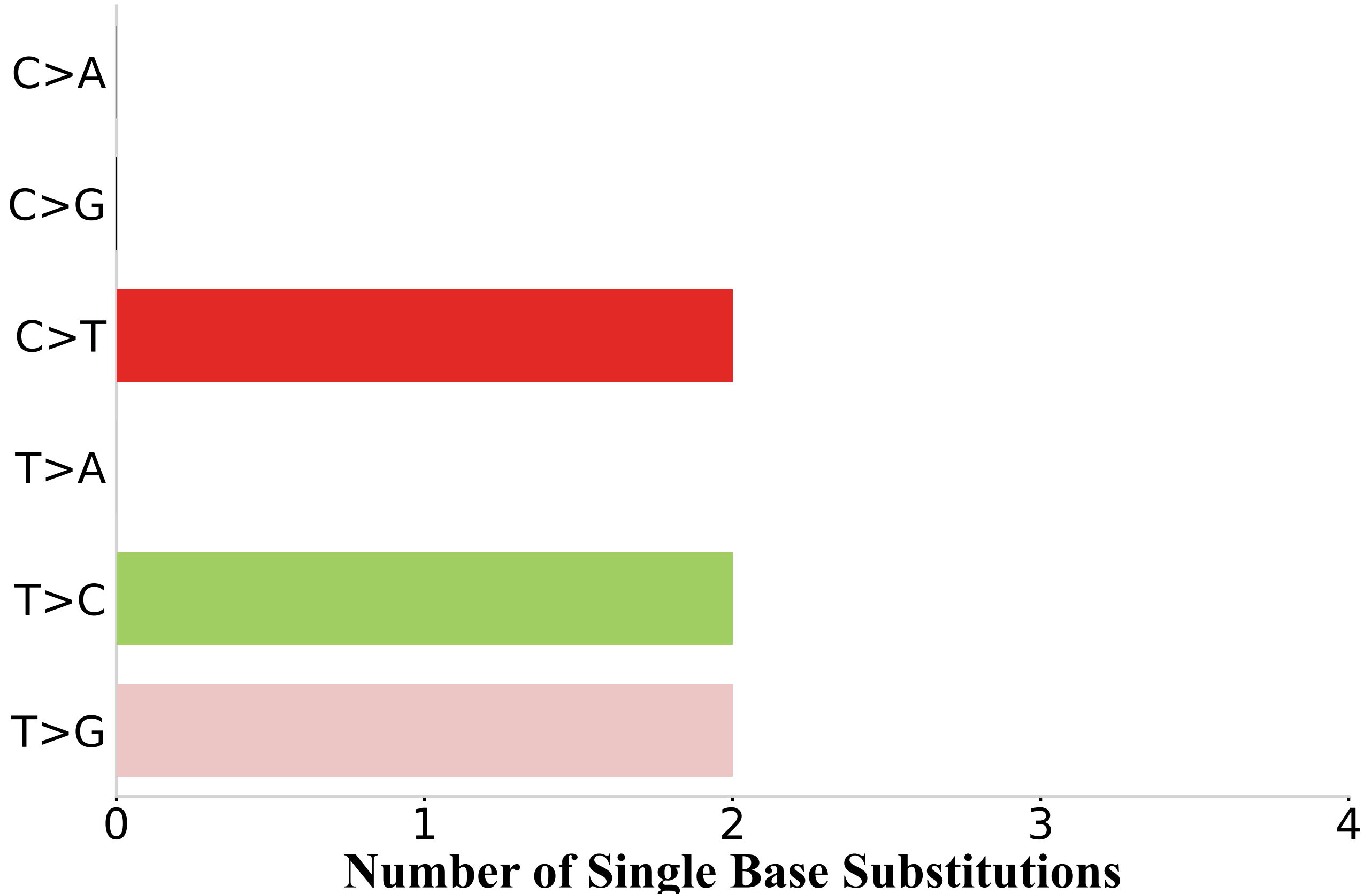
**P-0006633-T01-IM5: 4 subs**



**P-0006662-T01-IM5: 8 subs**



**P-0007157-T01-IM5: 6 subs**



**P-0007348-T01-IM5: 3 subs**

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C>G

C>T

T>A

T>C

T>G

0

1

2

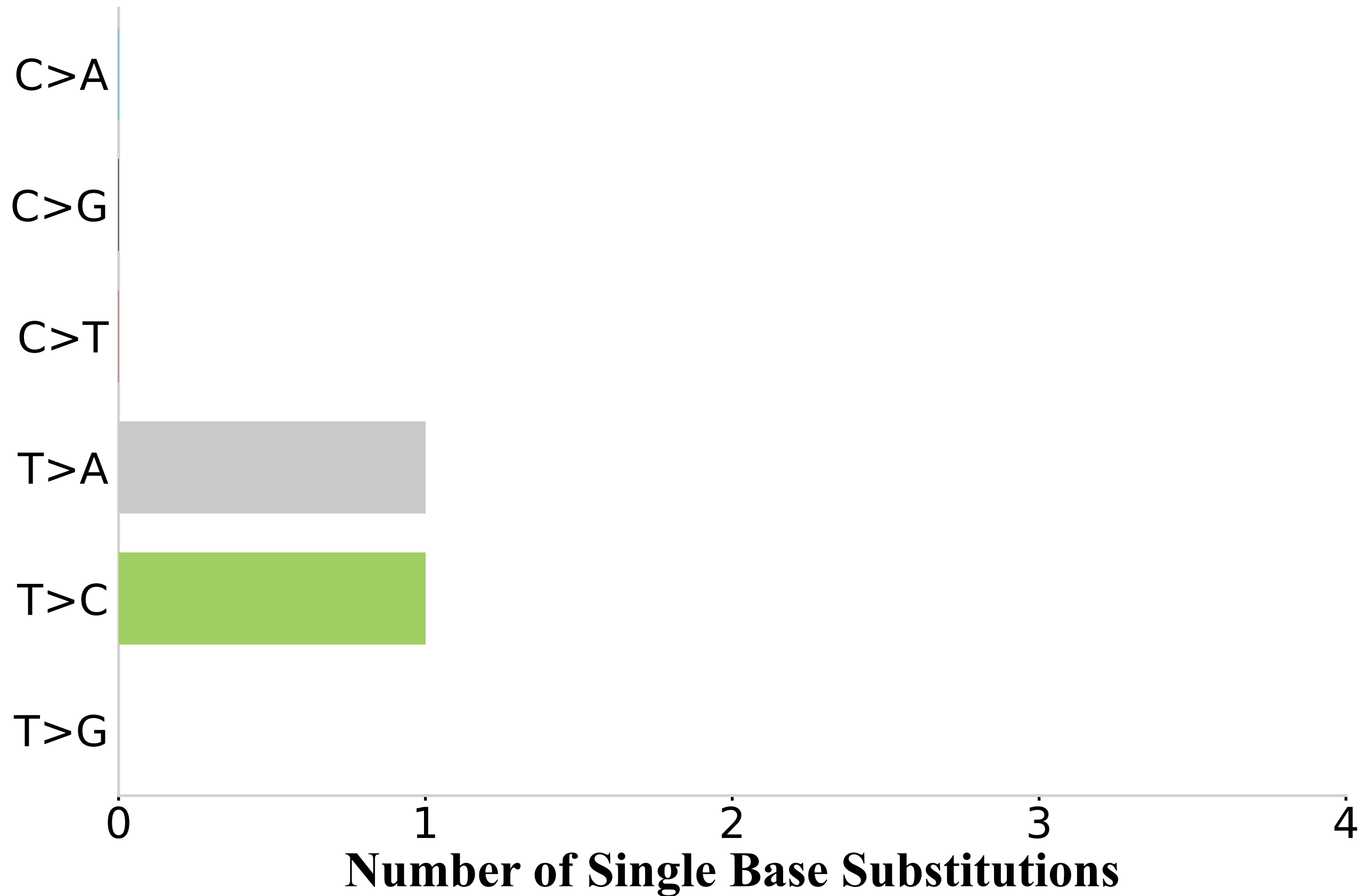
3

4

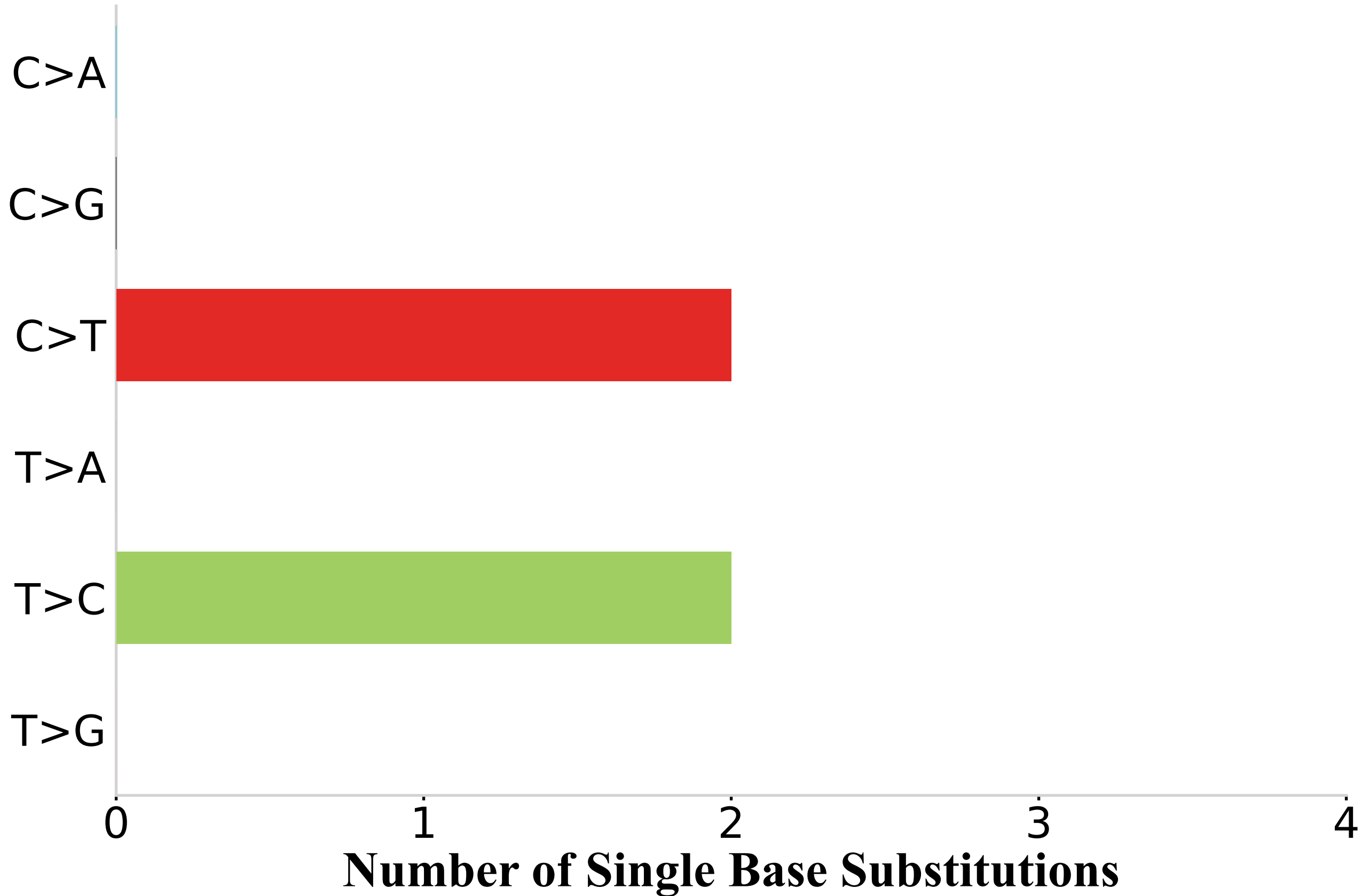
**Number of Single Base Substitutions**



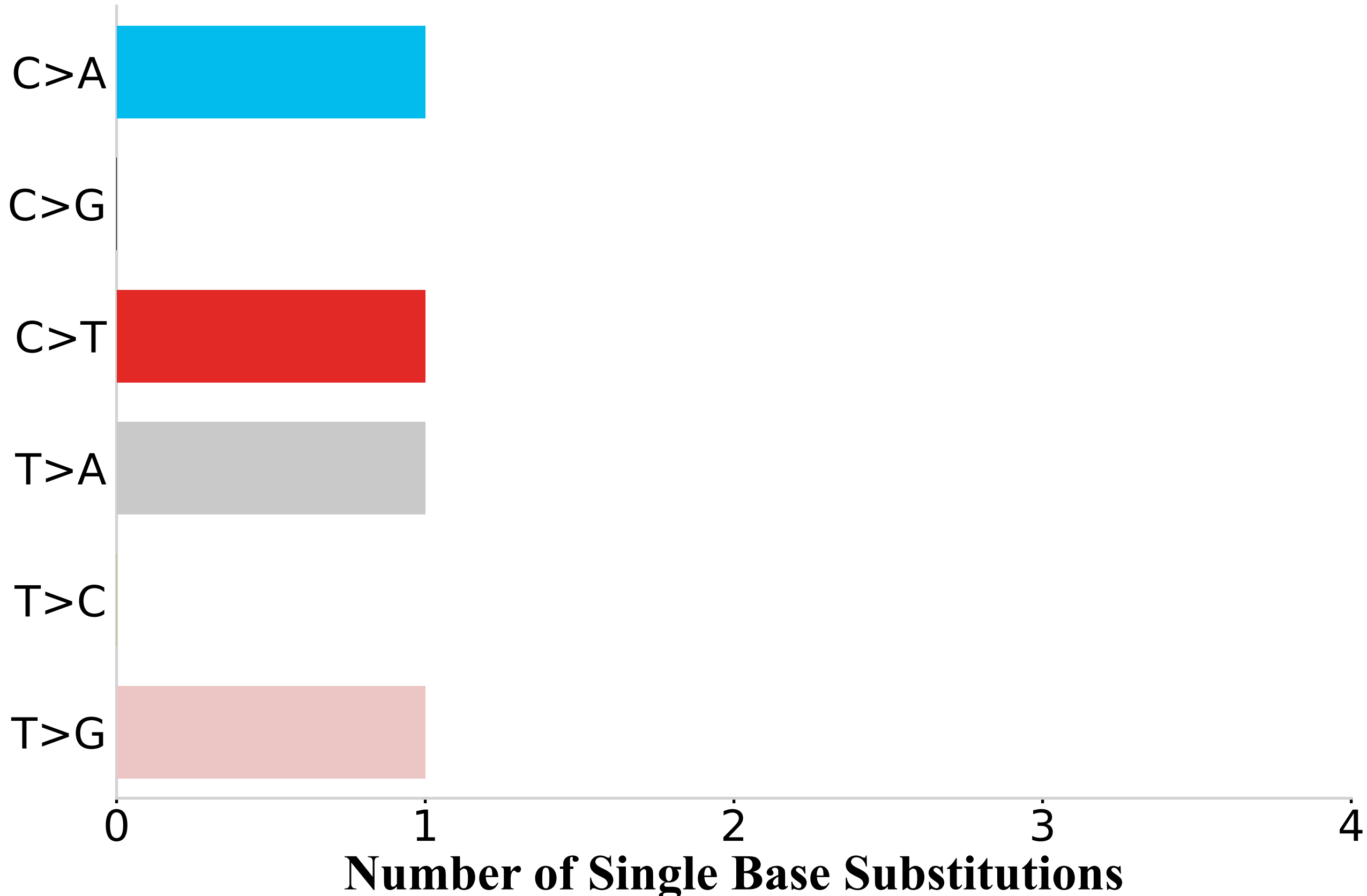
**P-0007353-T01-IM5: 2 subs**



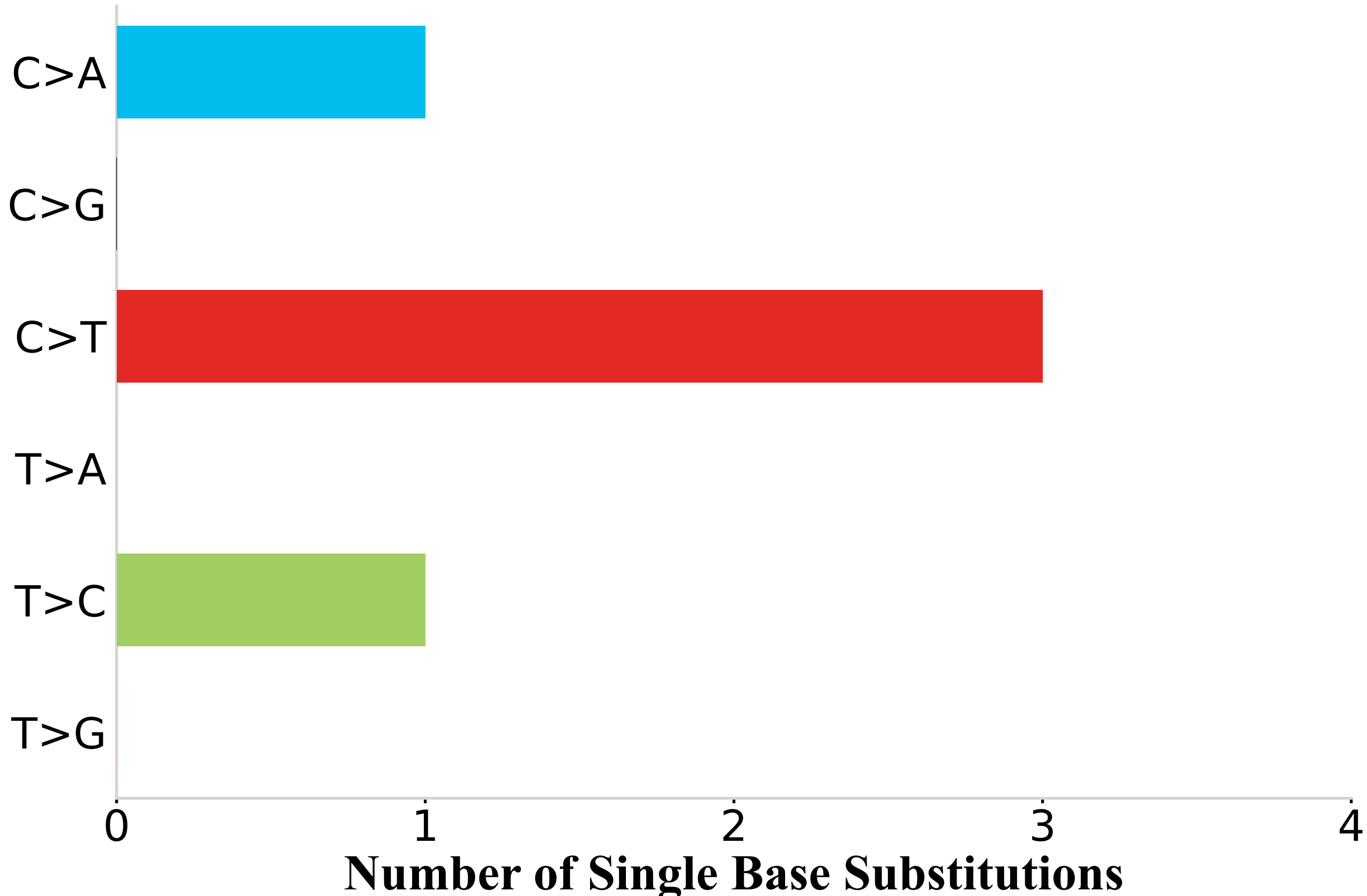
**P-0007505-T01-IM5: 4 subs**



**P-0007773-T01-IM5: 4 subs**

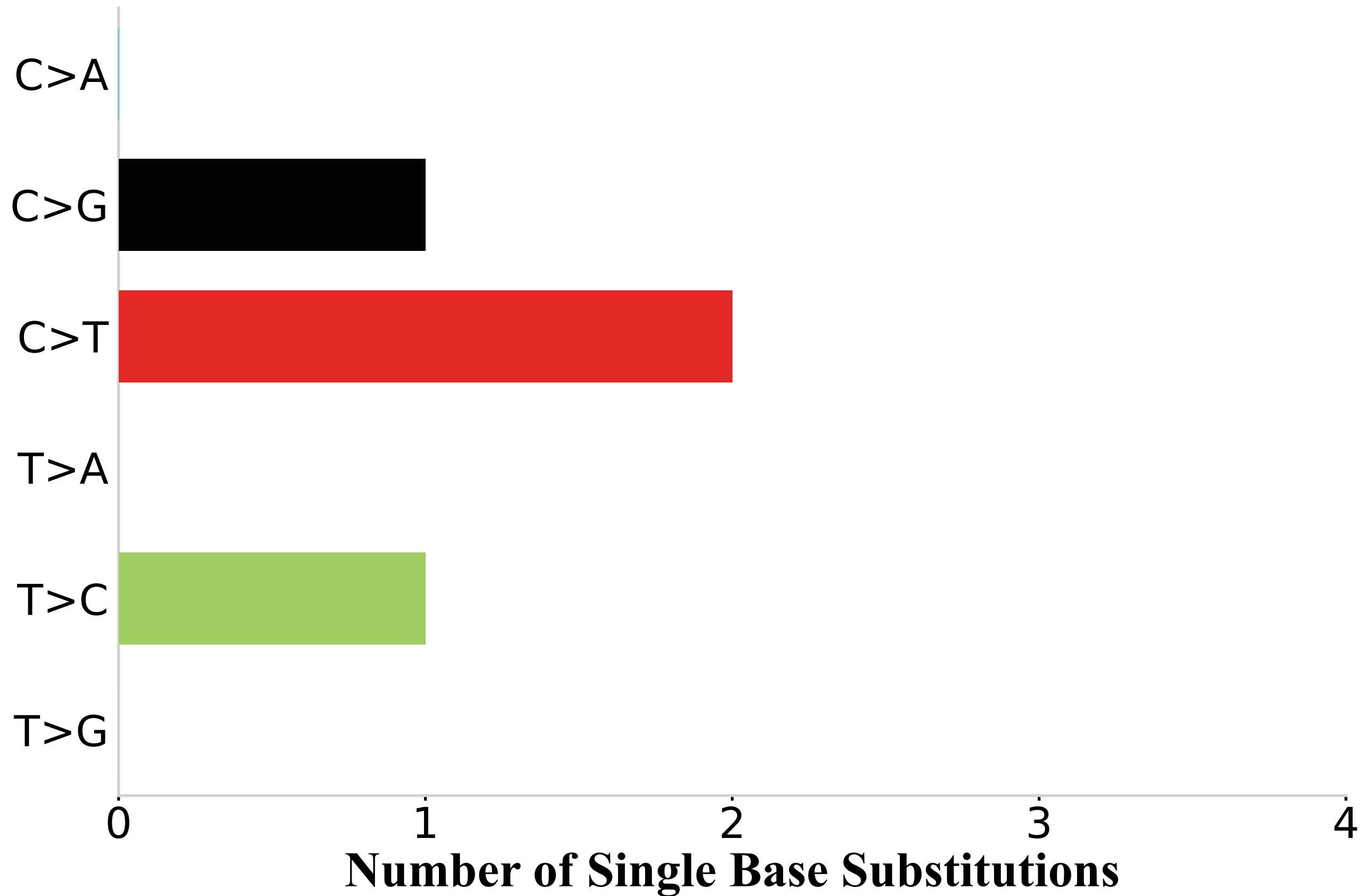


**P-0007787-T01-IM5: 5 subs**

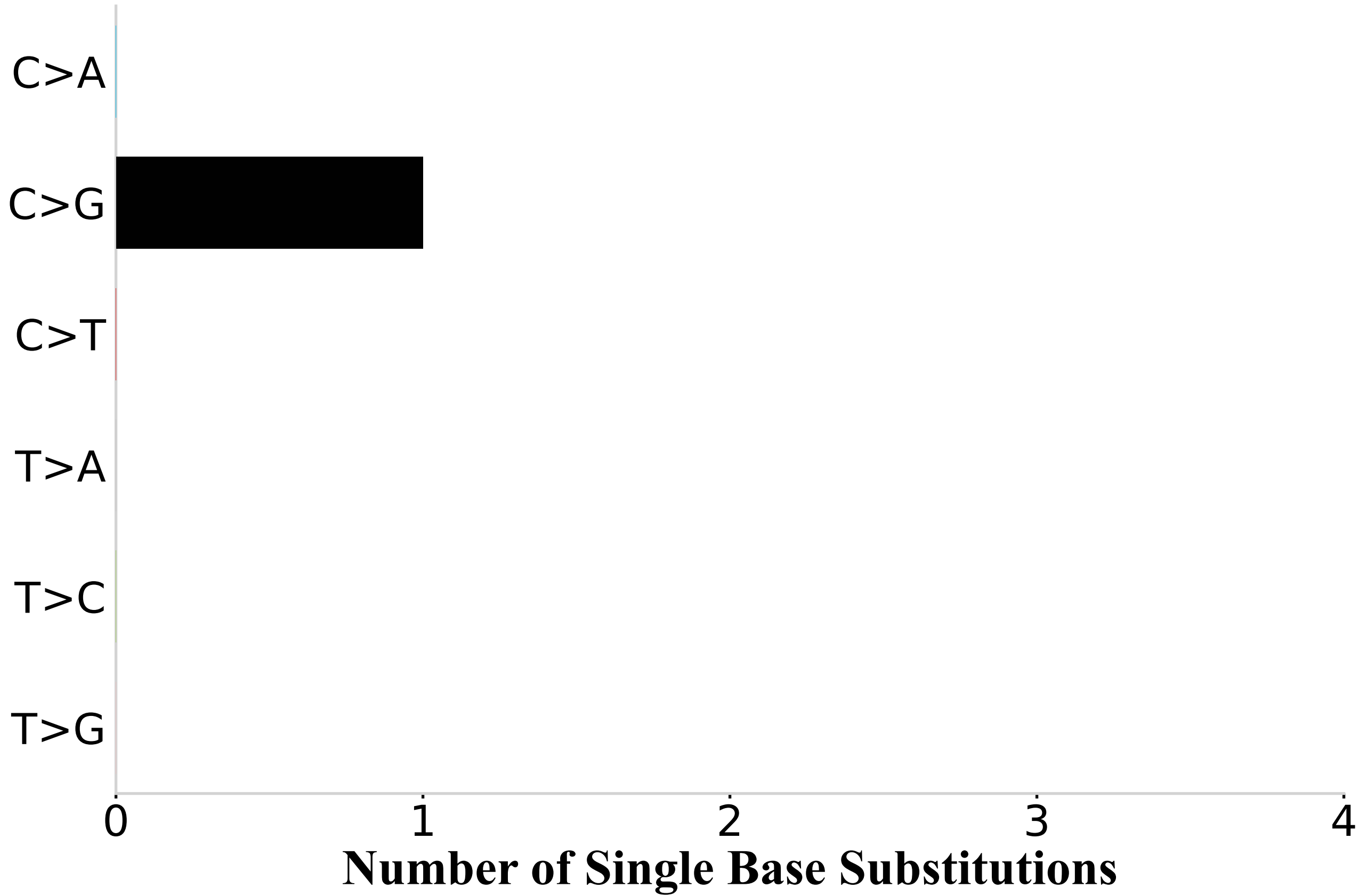




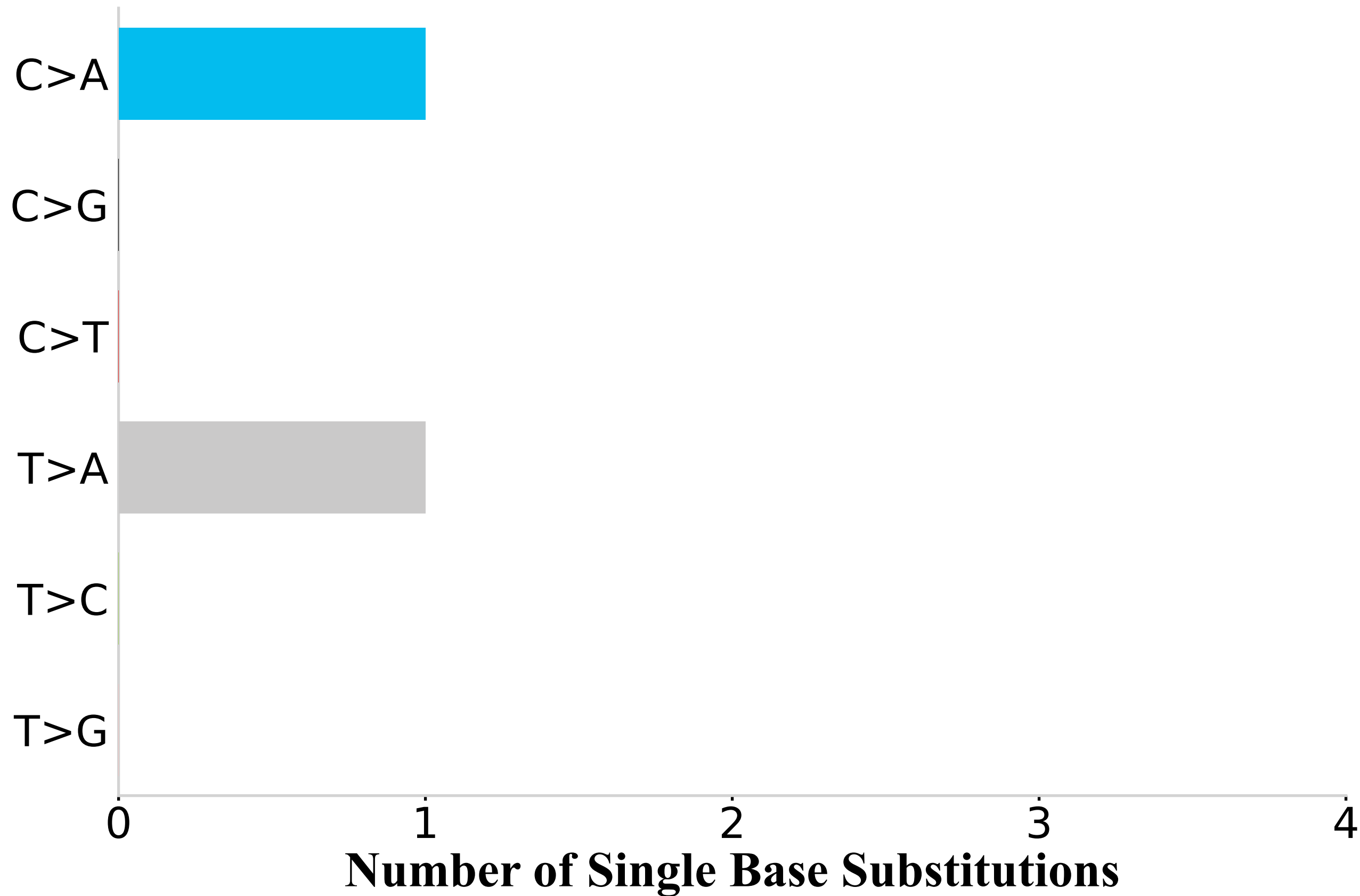
**P-0007905-T01-IM5: 4 subs**



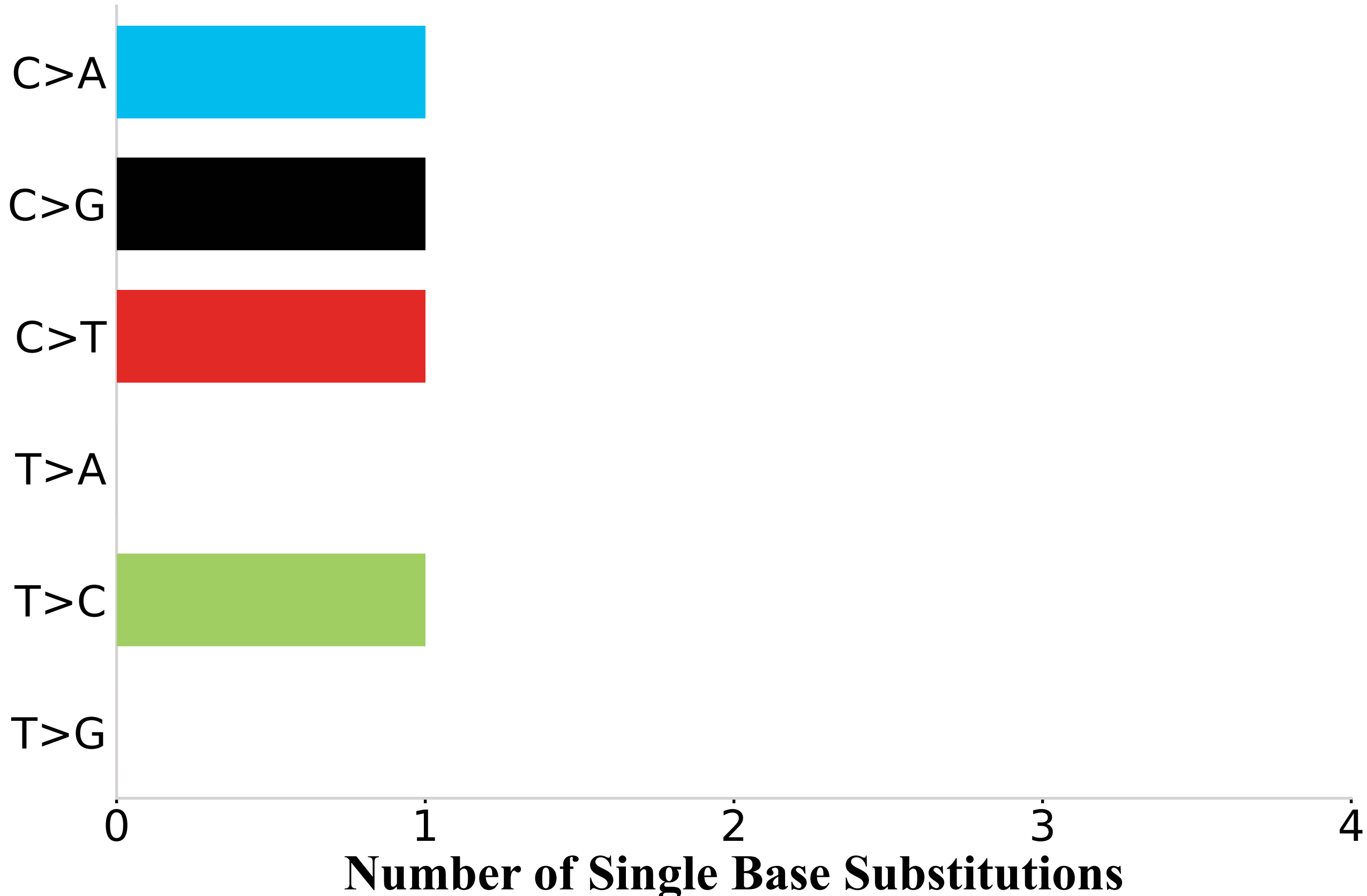
**P-0008555-T01-IM5: 1 subs**



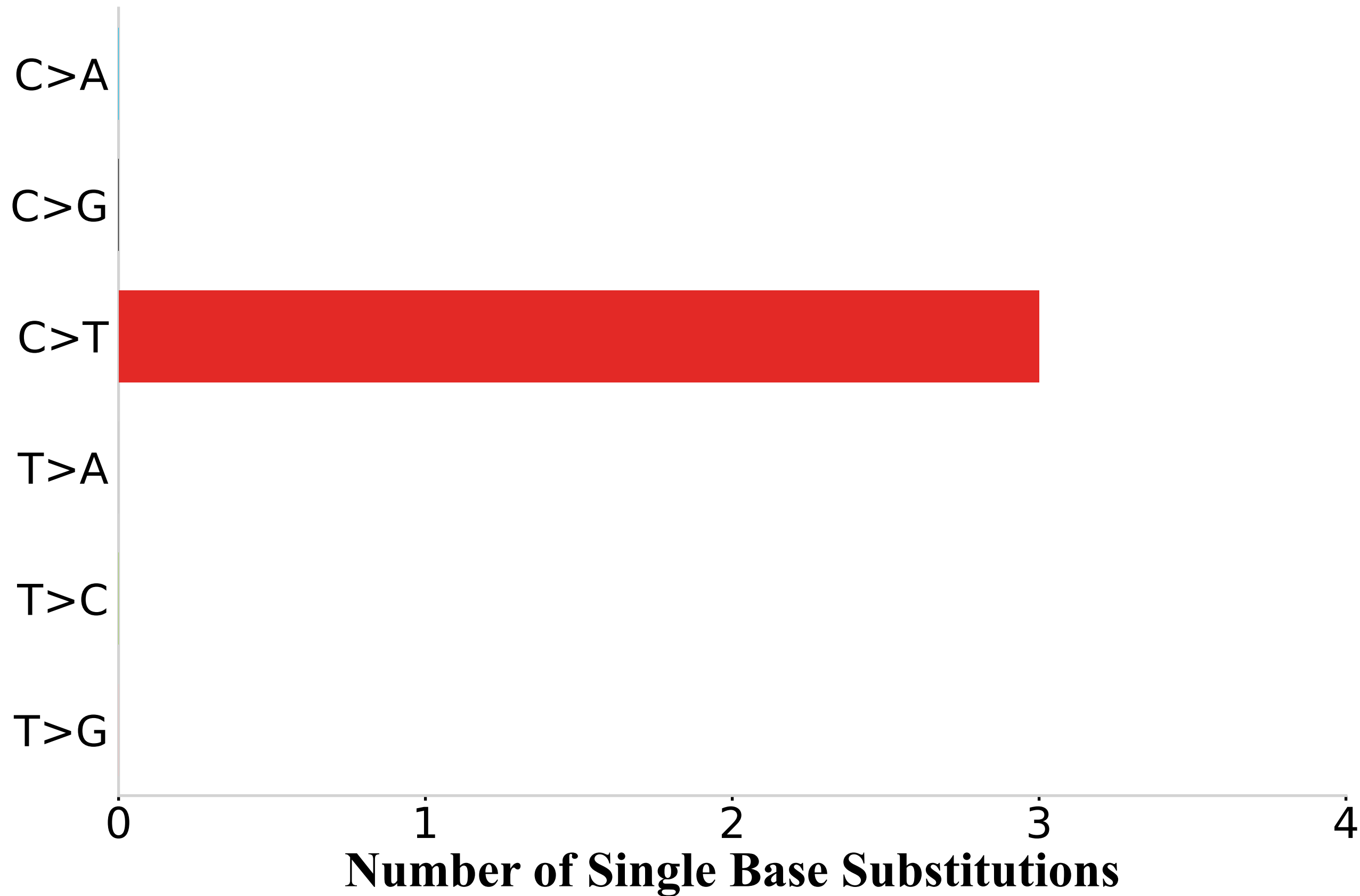
**P-0008564-T01-IM5: 2 subs**



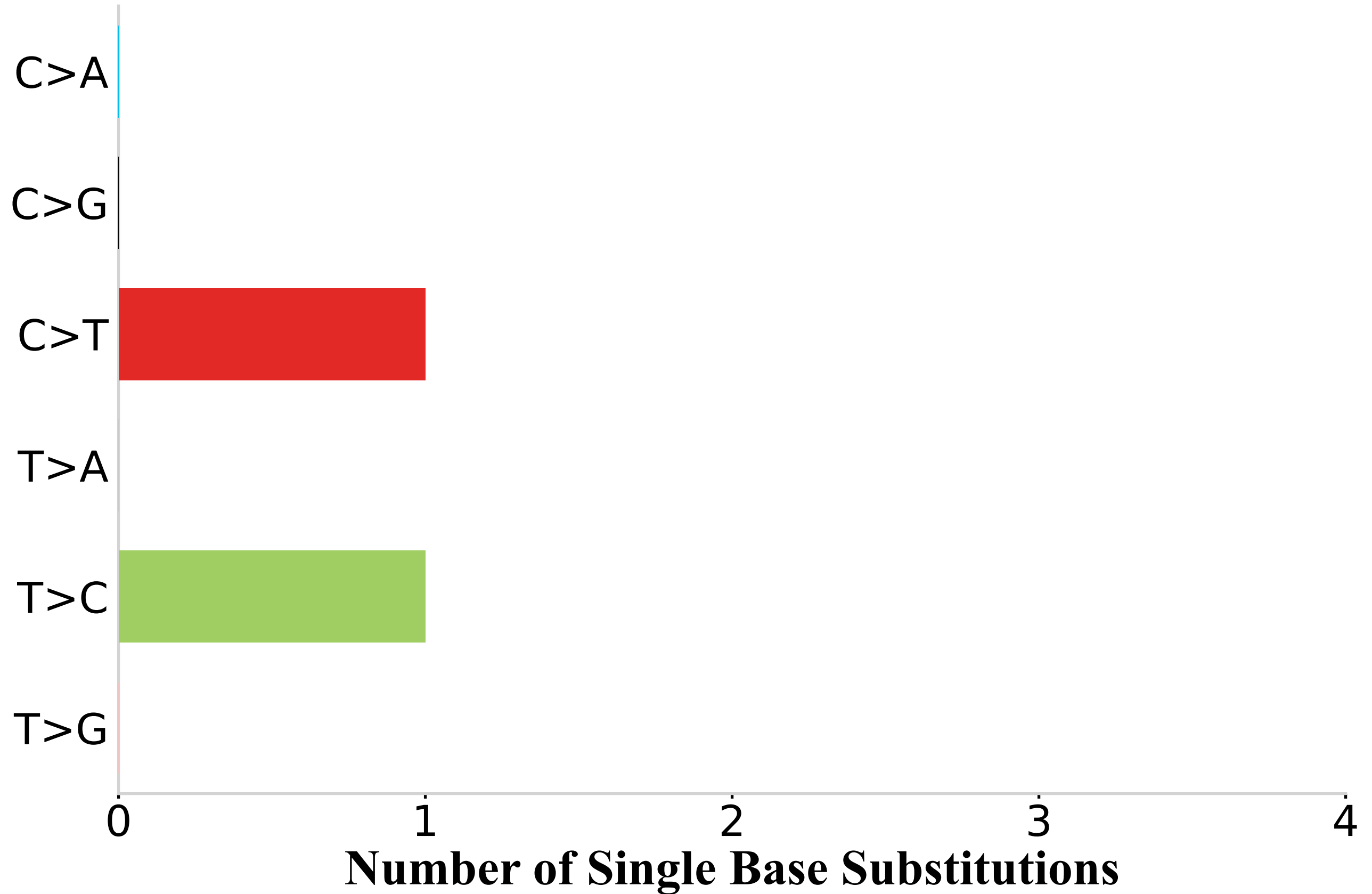
**P-0008750-T01-IM5: 4 subs**



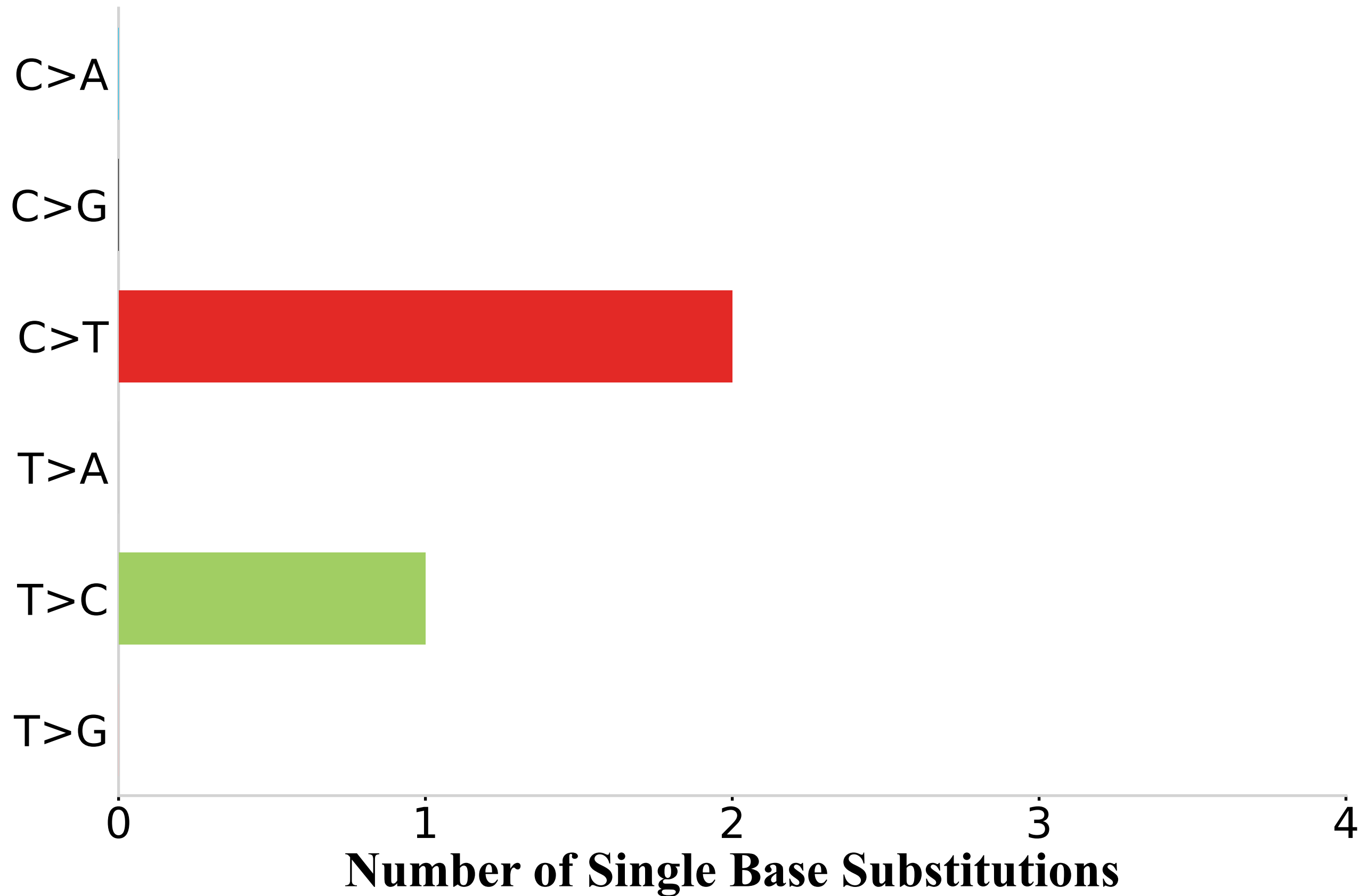
**P-0009331-T01-IM5: 3 subs**



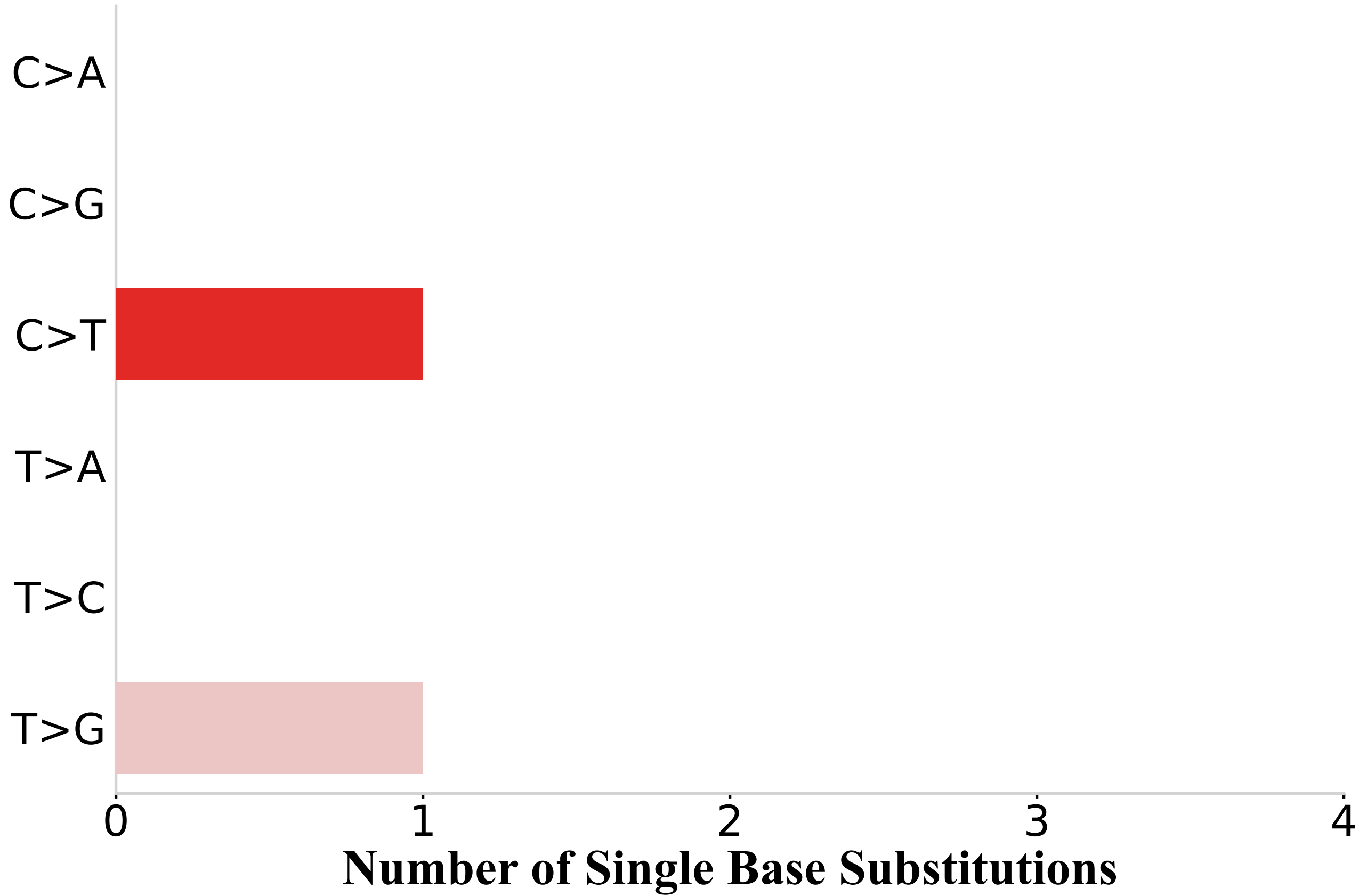
**P-0009500-T01-IM5: 2 subs**



**P-0009540-T01-IM5: 3 subs**

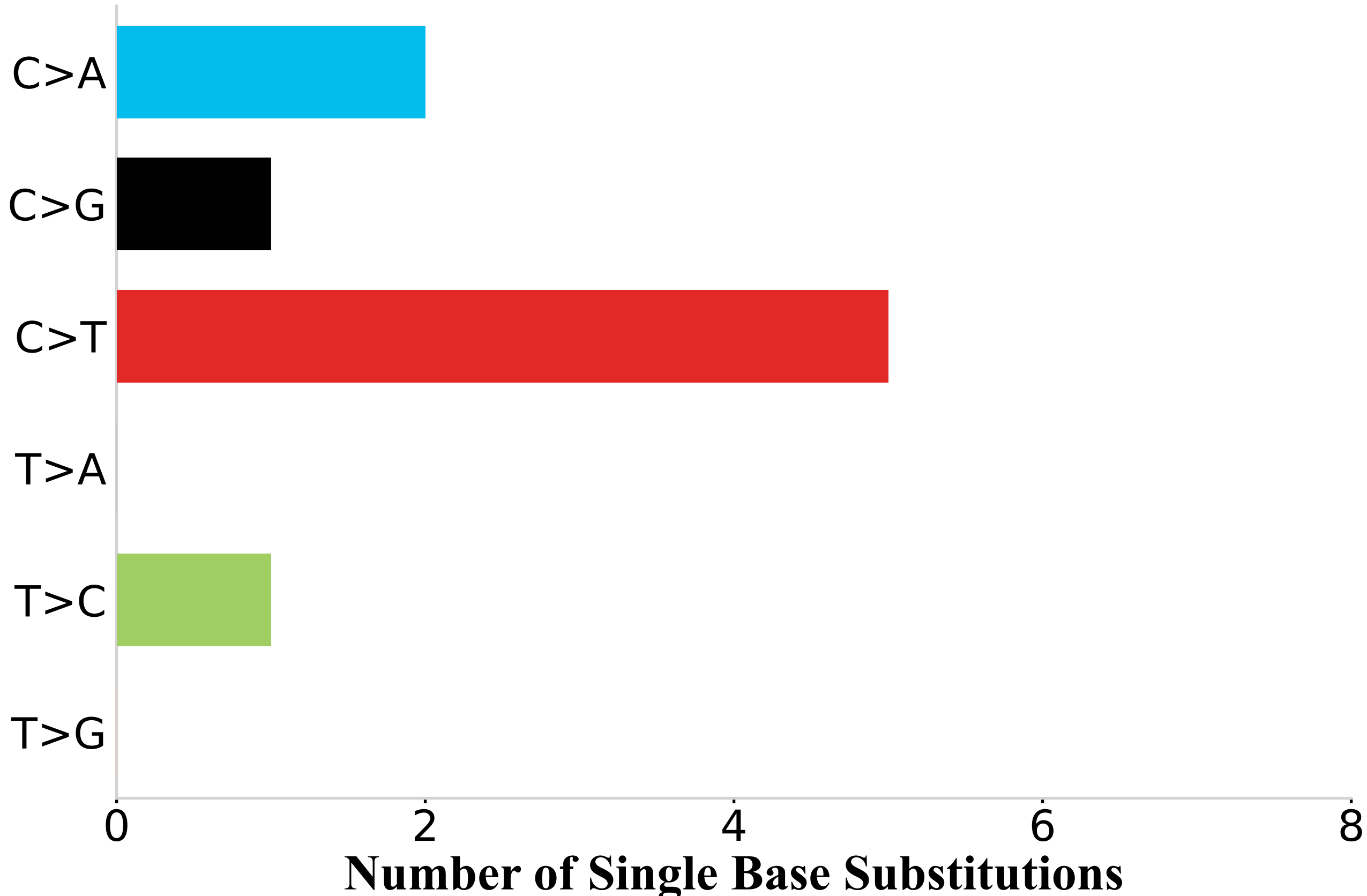


**P-0009644-T01-IM5: 2 subs**

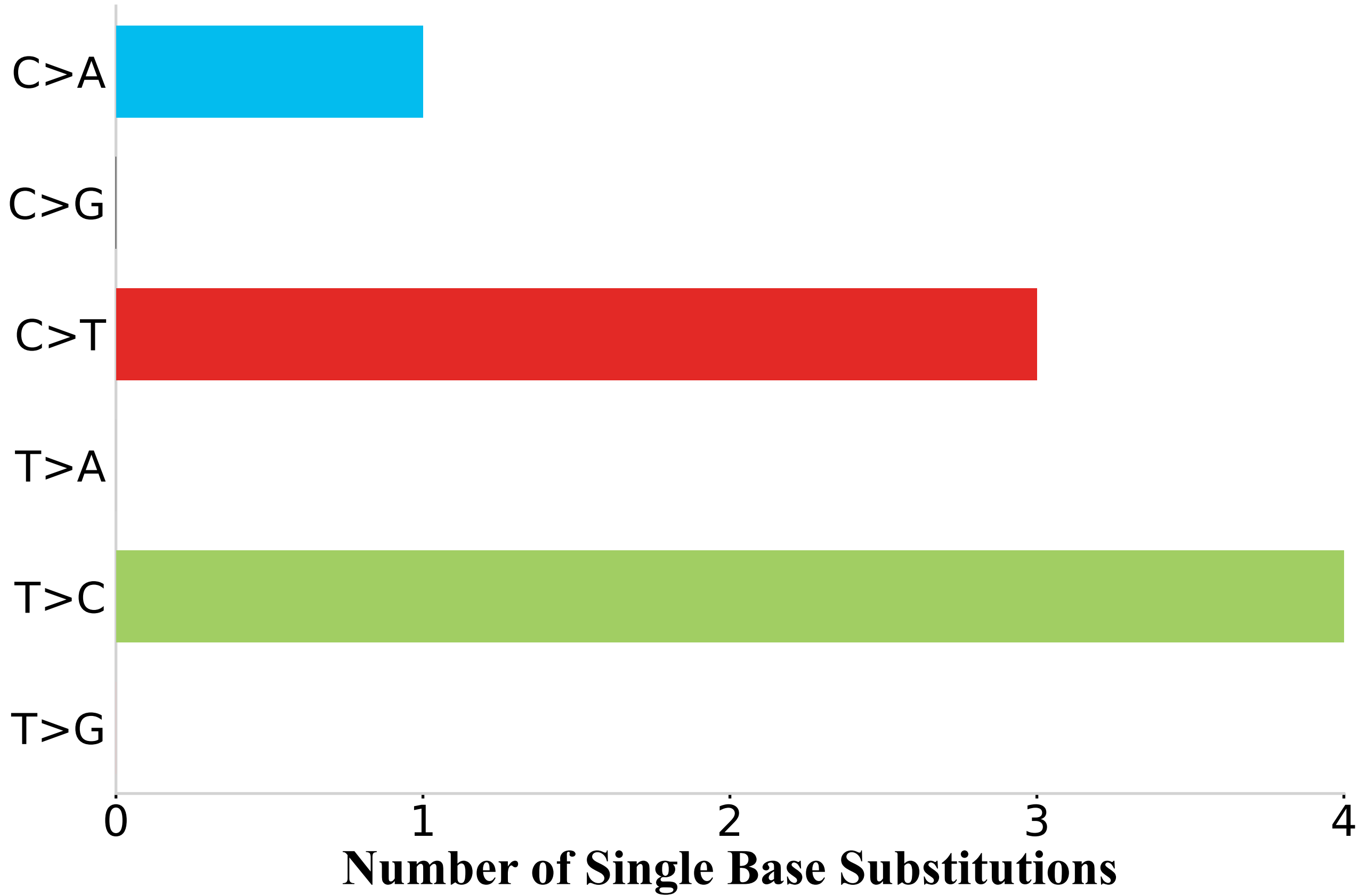




**P-0009664-T01-IM5: 9 subs**



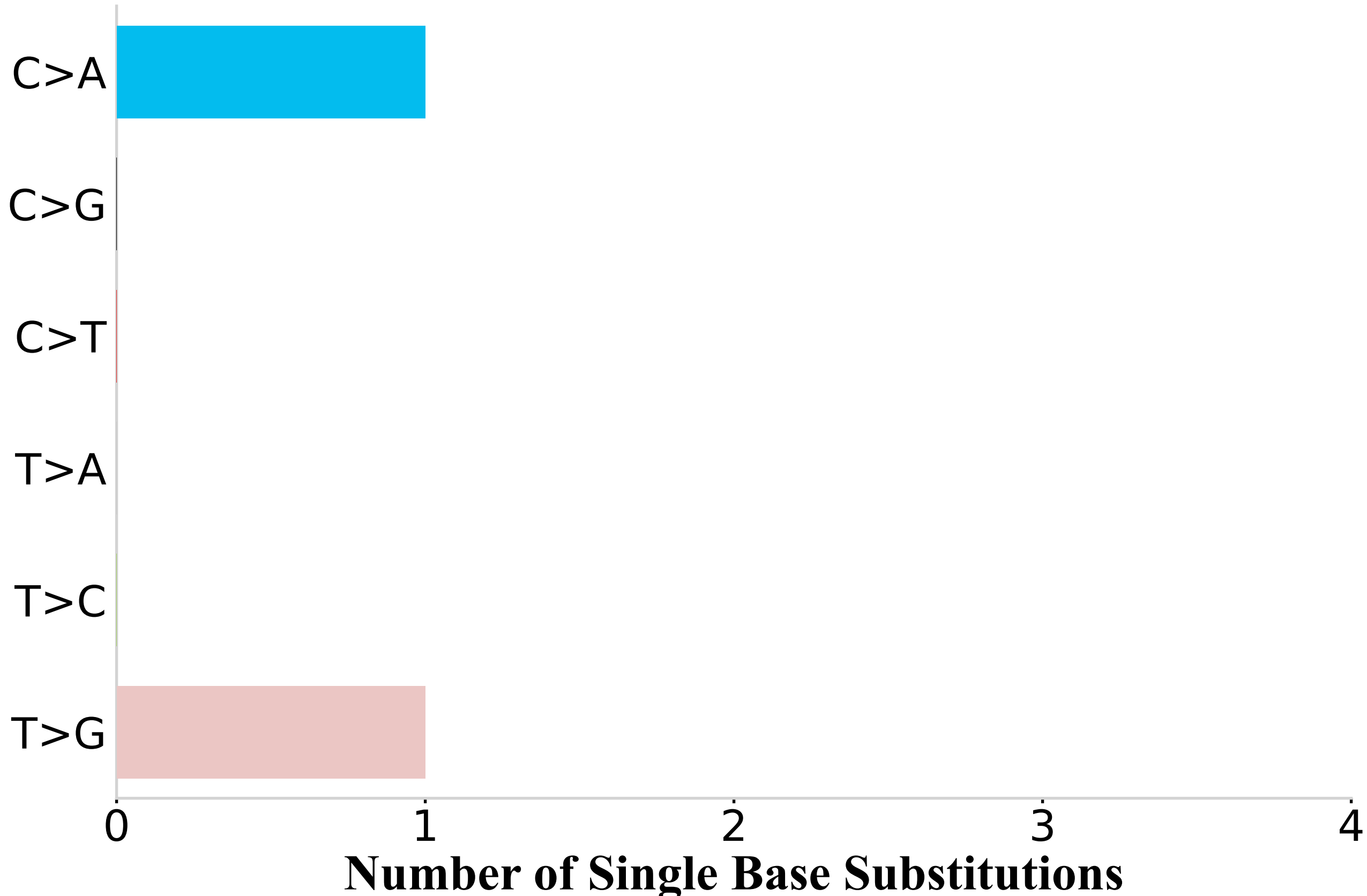
**P-0010119-T01-IM5: 8 subs**



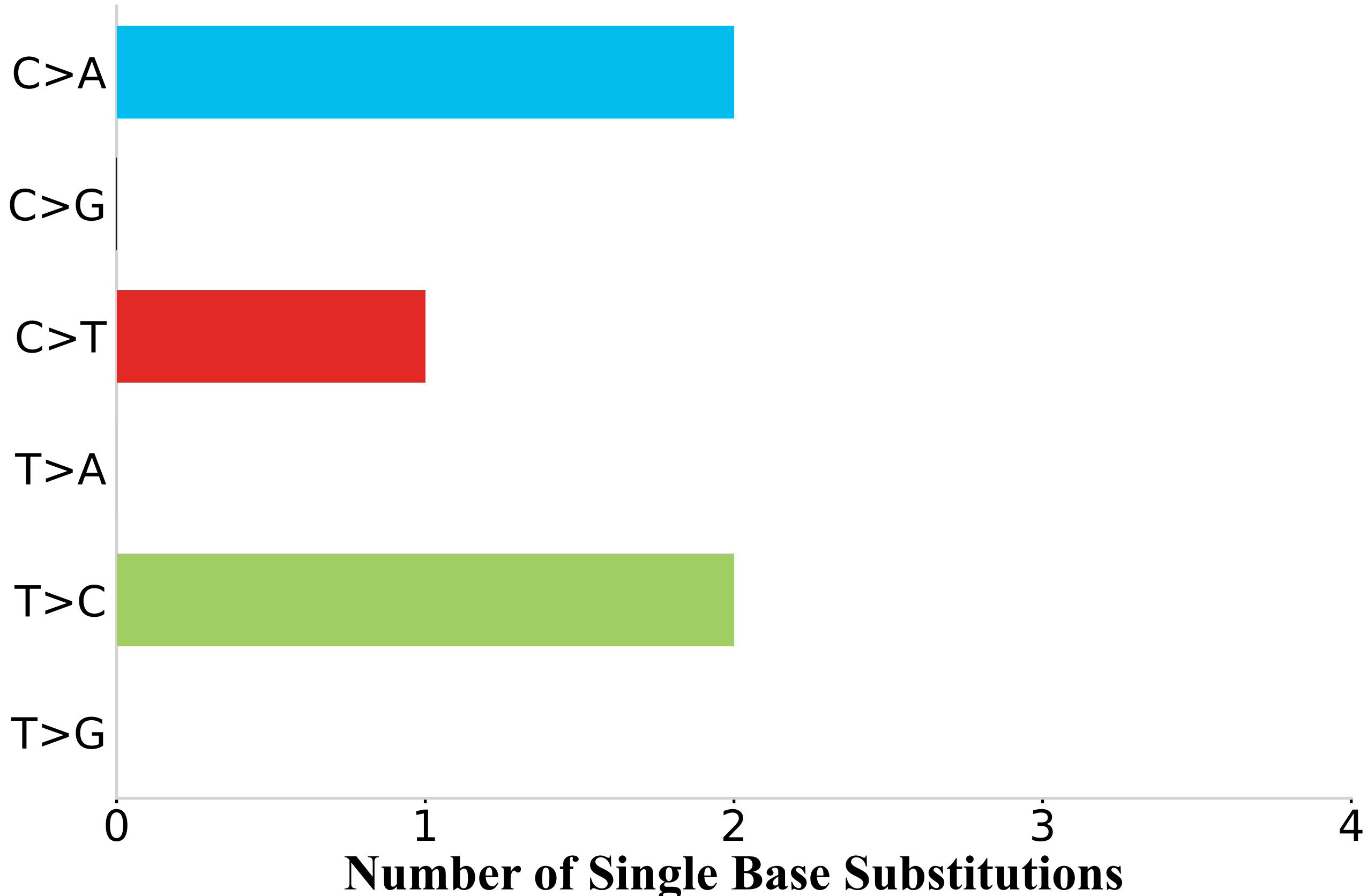
**P-0010148-T01-IM5: 1 subs**



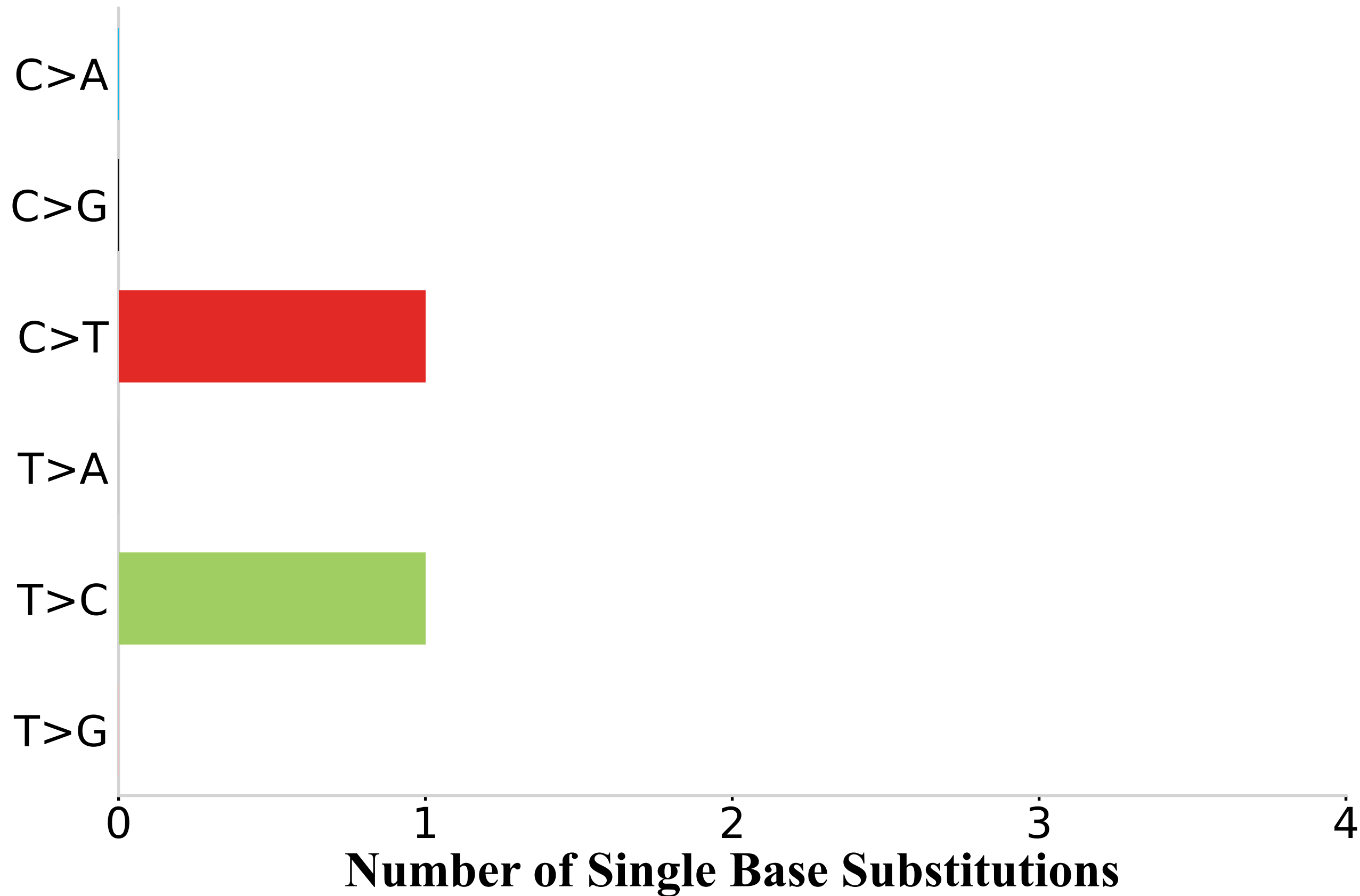
**P-0010226-T01-IM5: 2 subs**



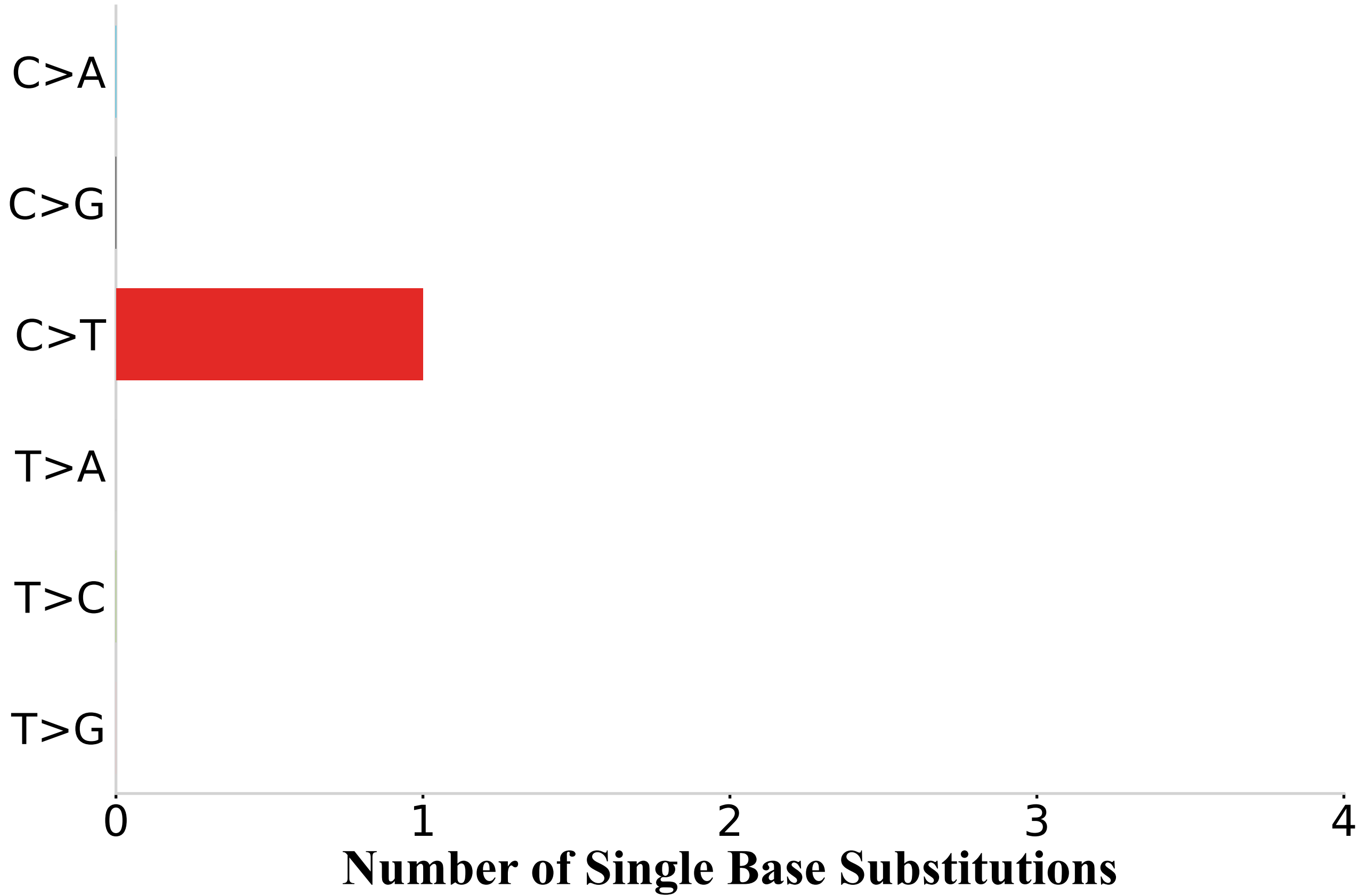
**P-0010346-T01-IM5: 5 subs**



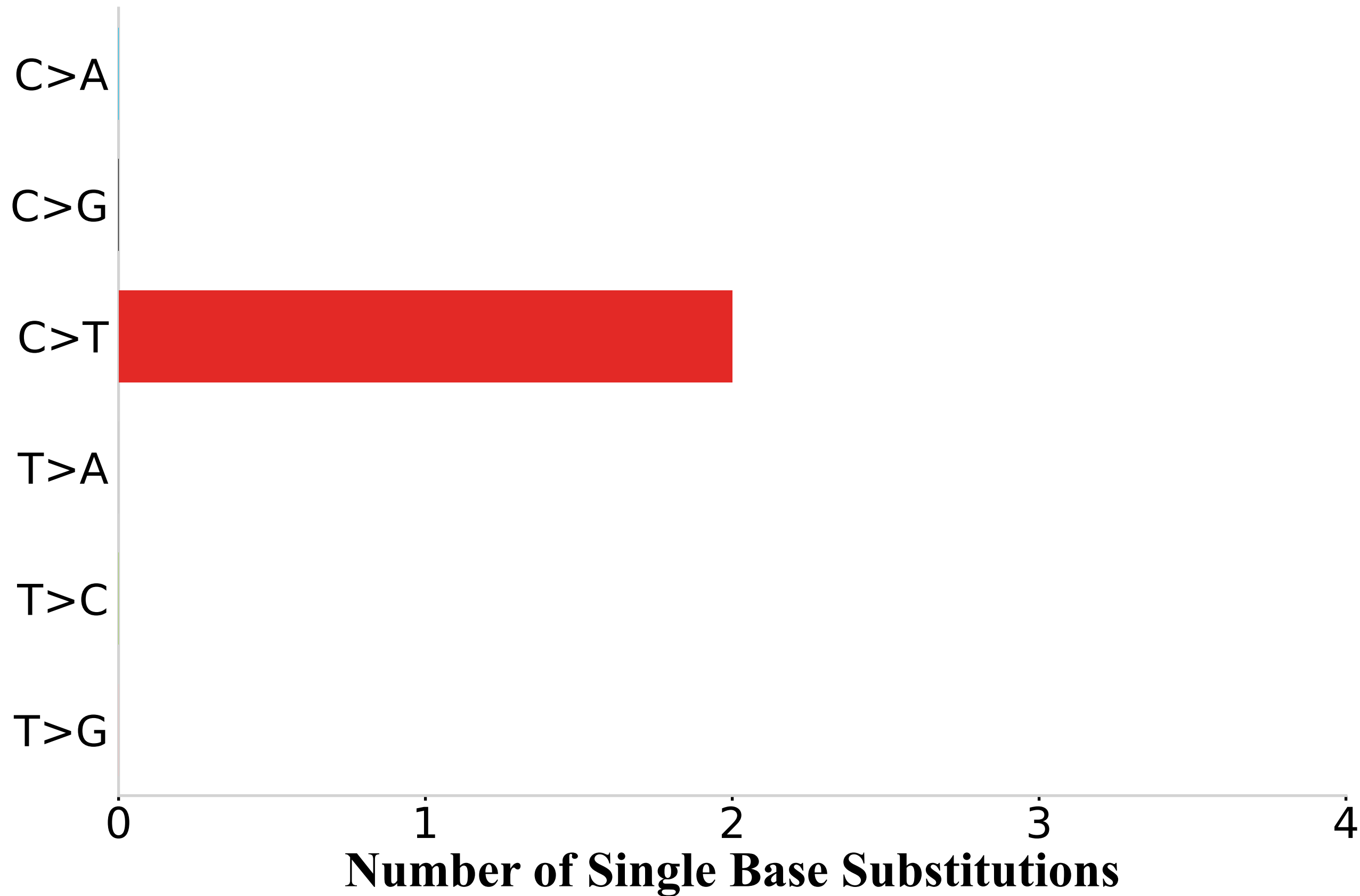
**P-0010388-T01-IM5: 2 subs**



**P-0010451-T01-IM5: 1 subs**

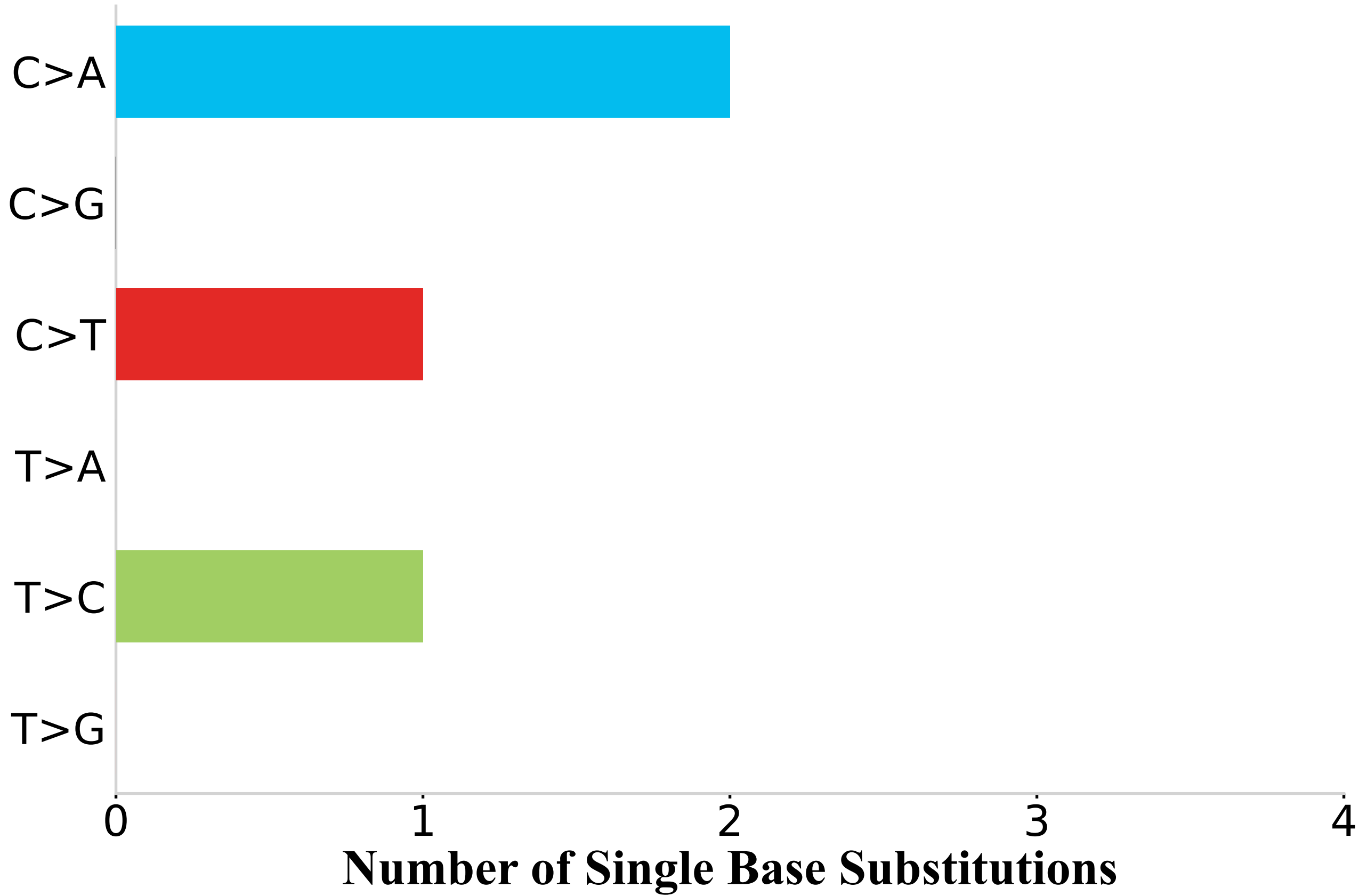


**P-0010584-T01-IM5: 2 subs**

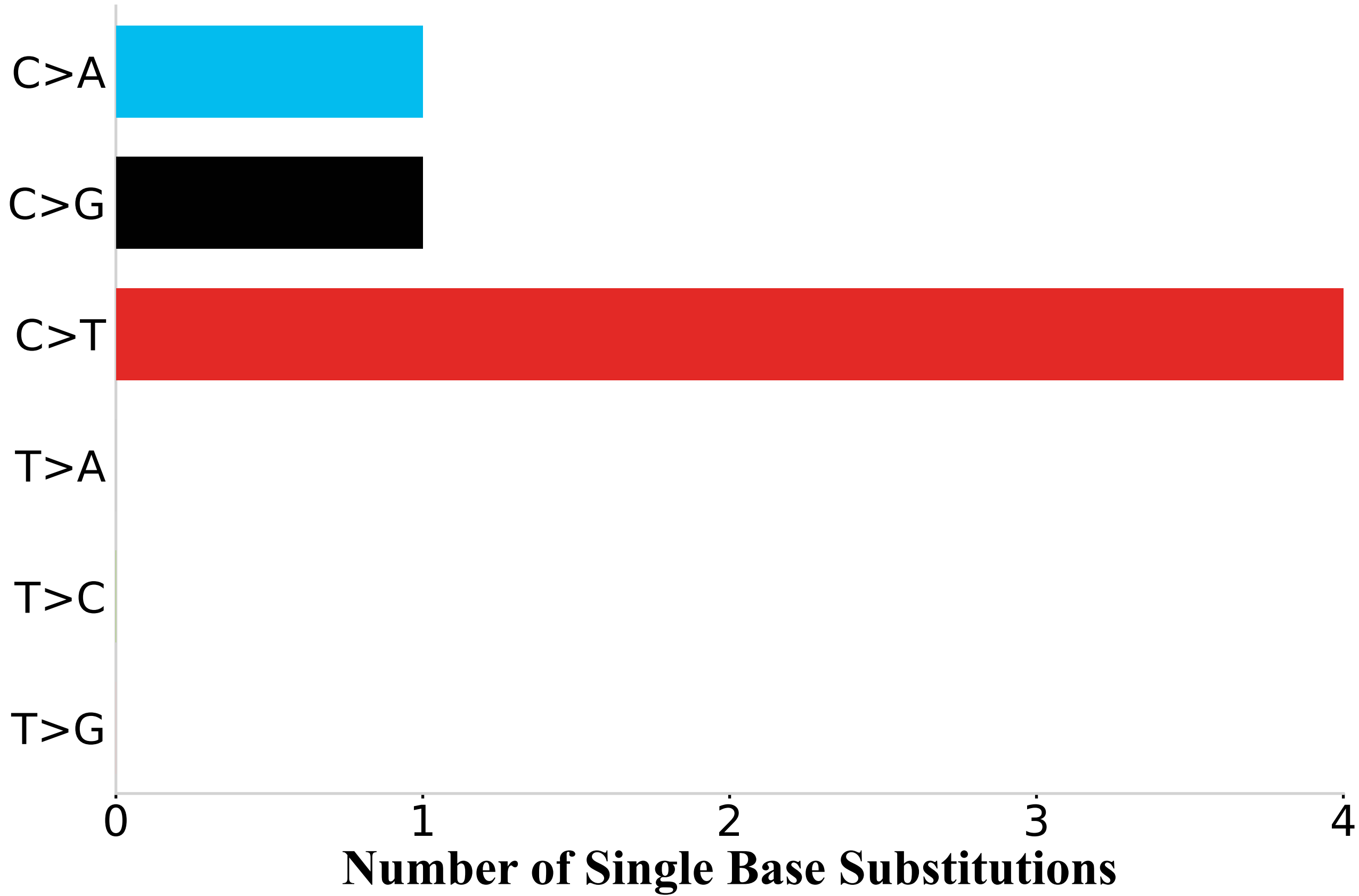




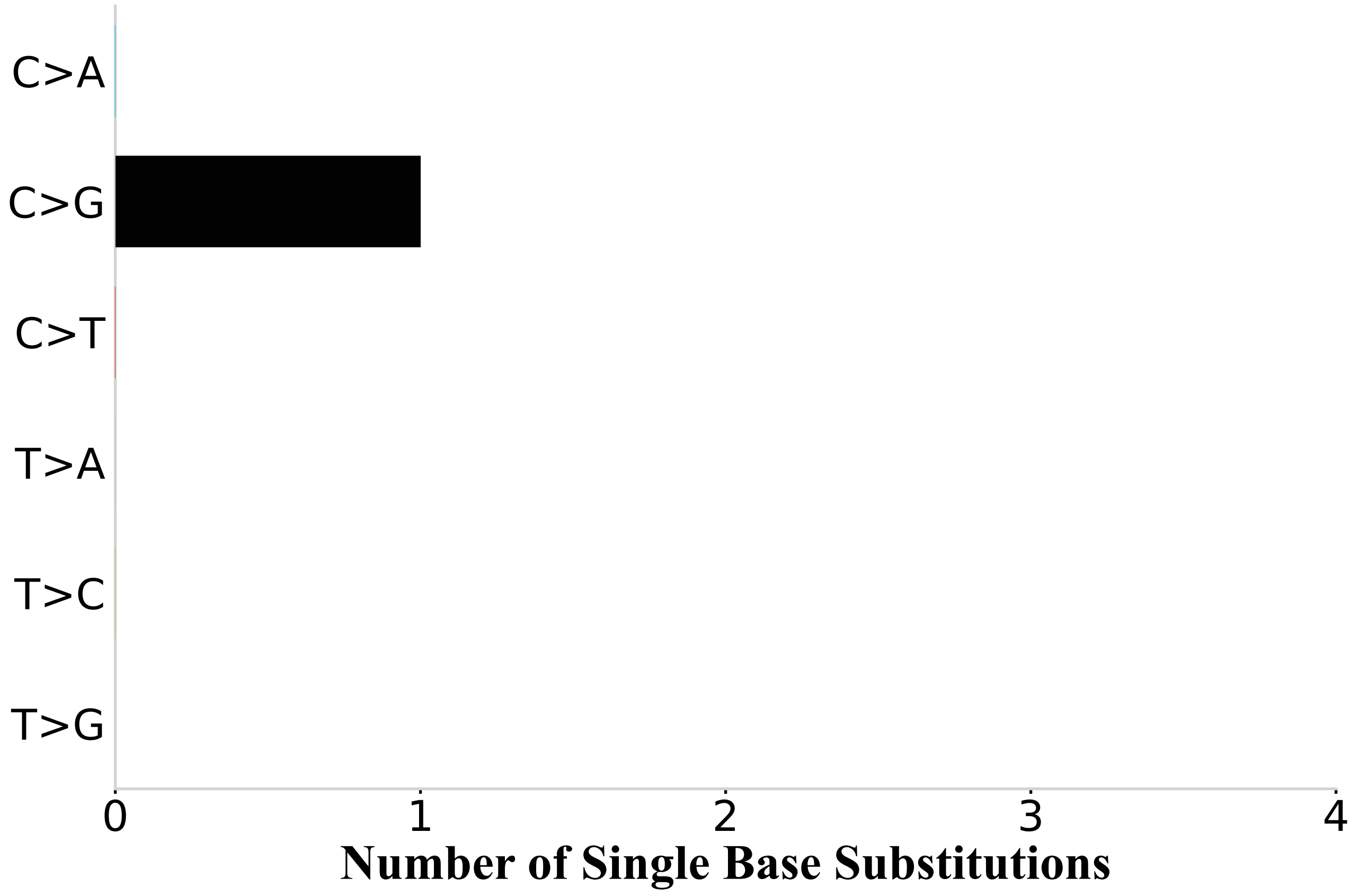
**P-0011085-T01-IM5: 4 subs**



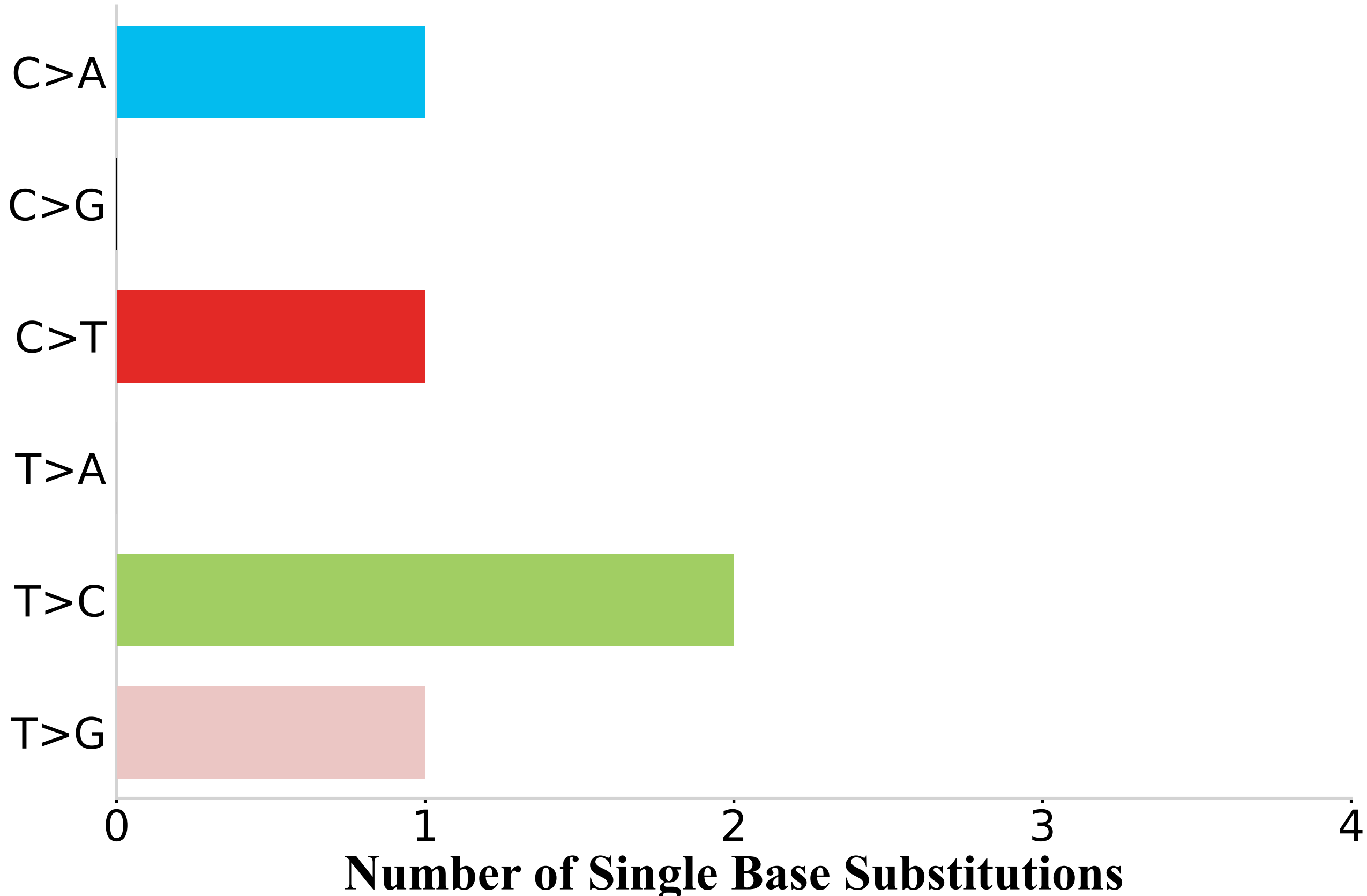
**P-0011128-T01-IM5: 6 subs**



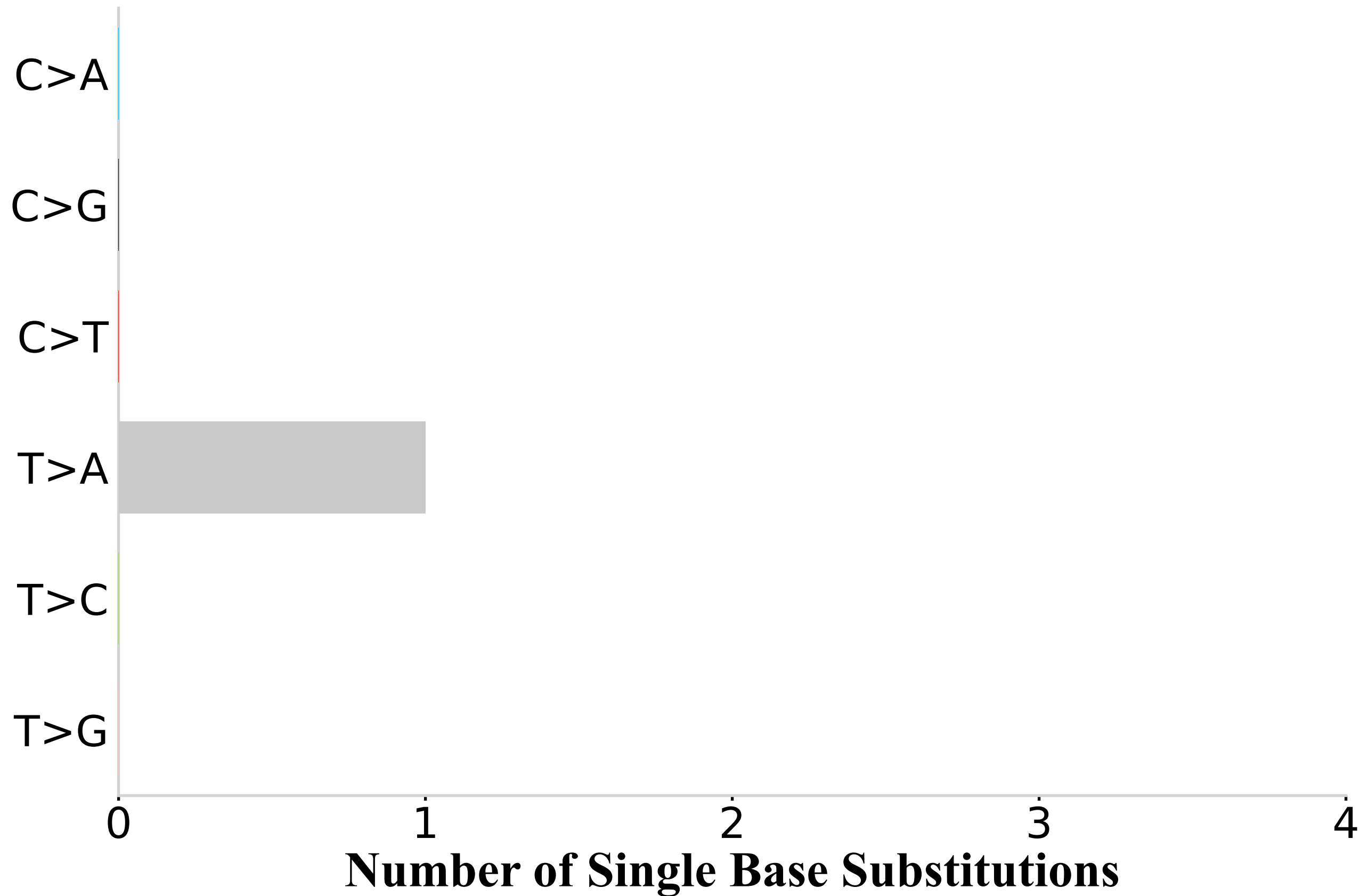
**P-0011530-T01-IM5: 1 subs**



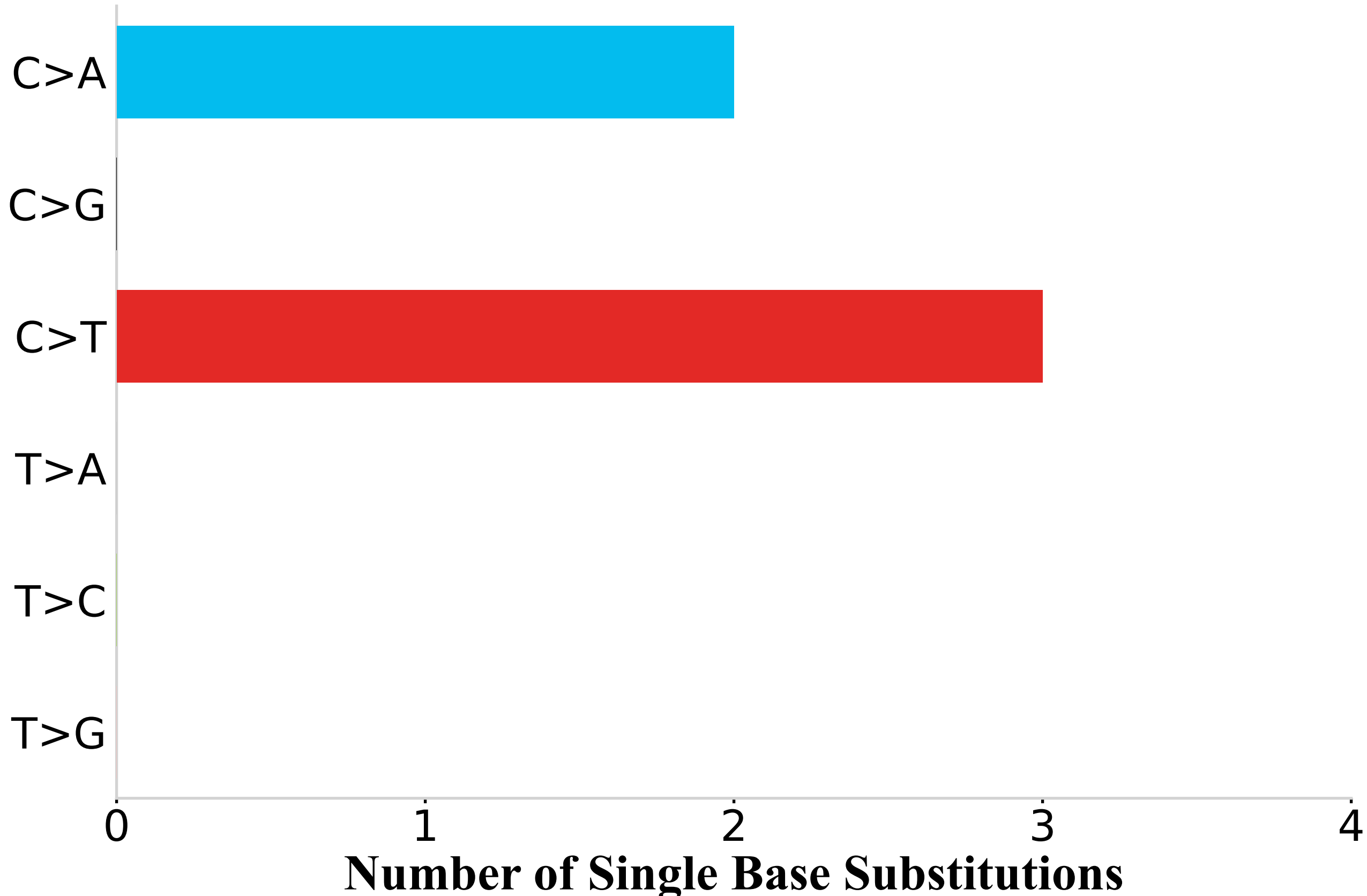
**P-0012068-T01-IM5: 5 subs**



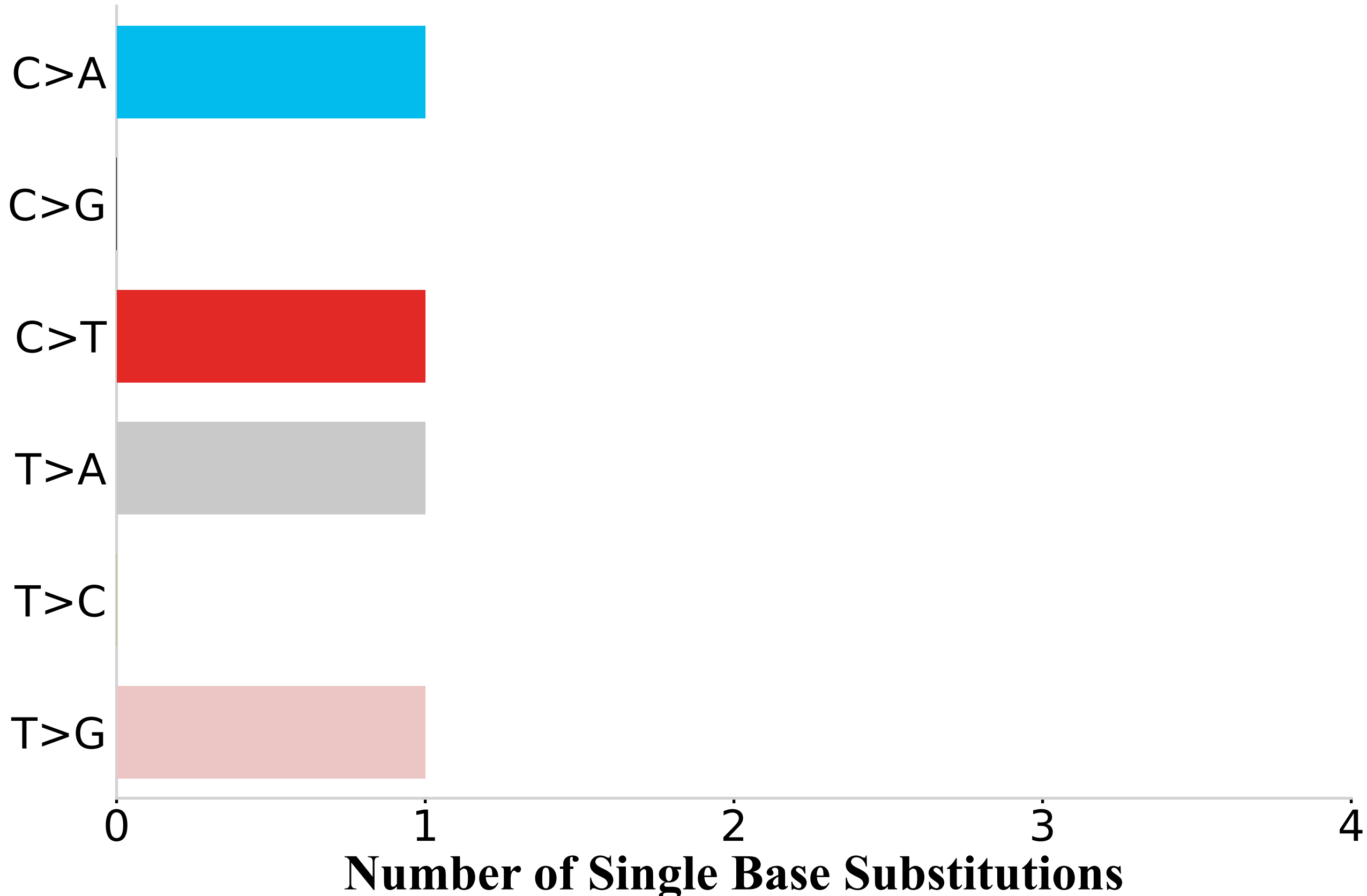
**P-0012099-T01-IM5: 1 subs**



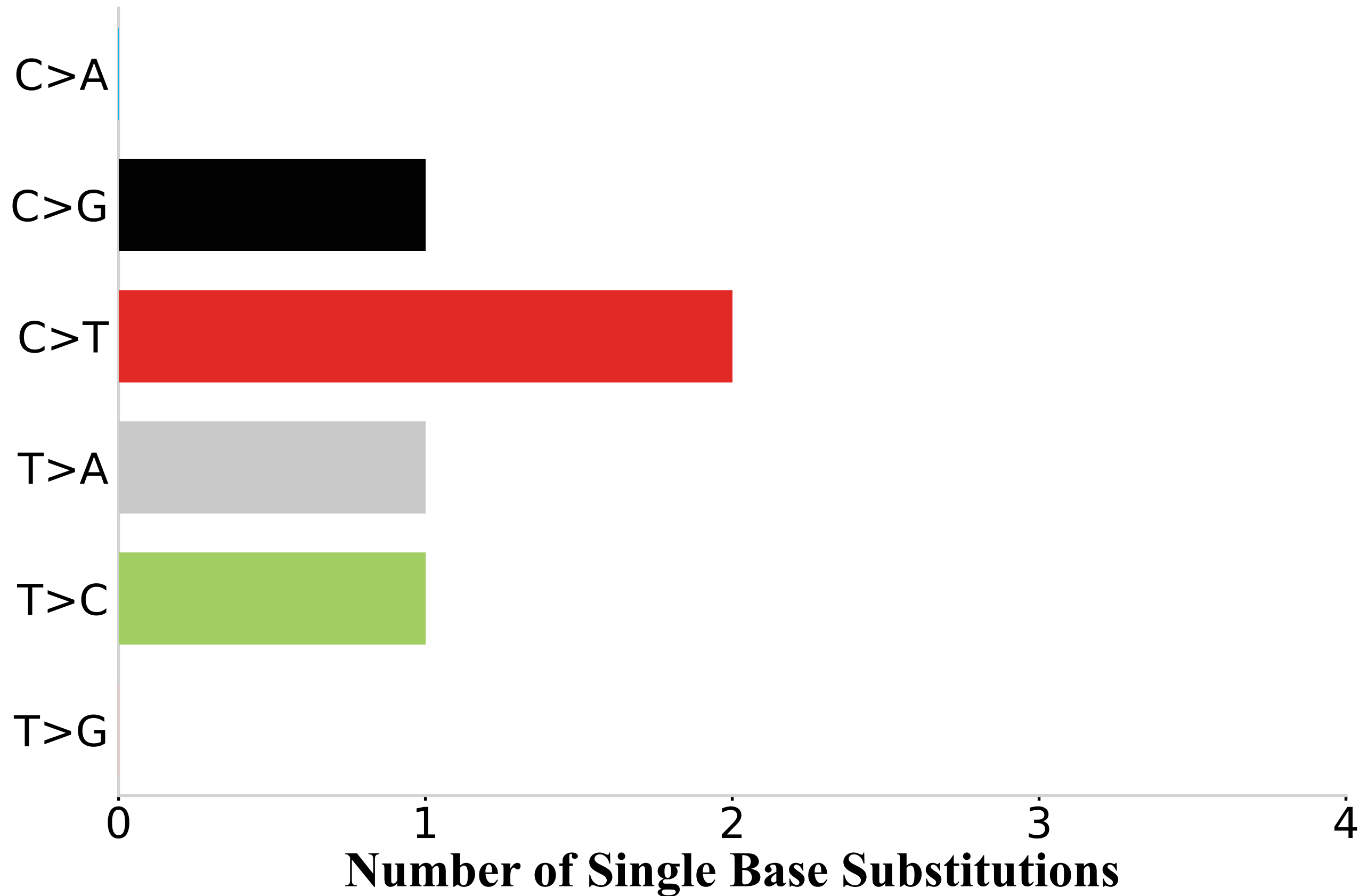
**P-0012150-T01-IM5: 5 subs**



**P-0012182-T01-IM5: 4 subs**

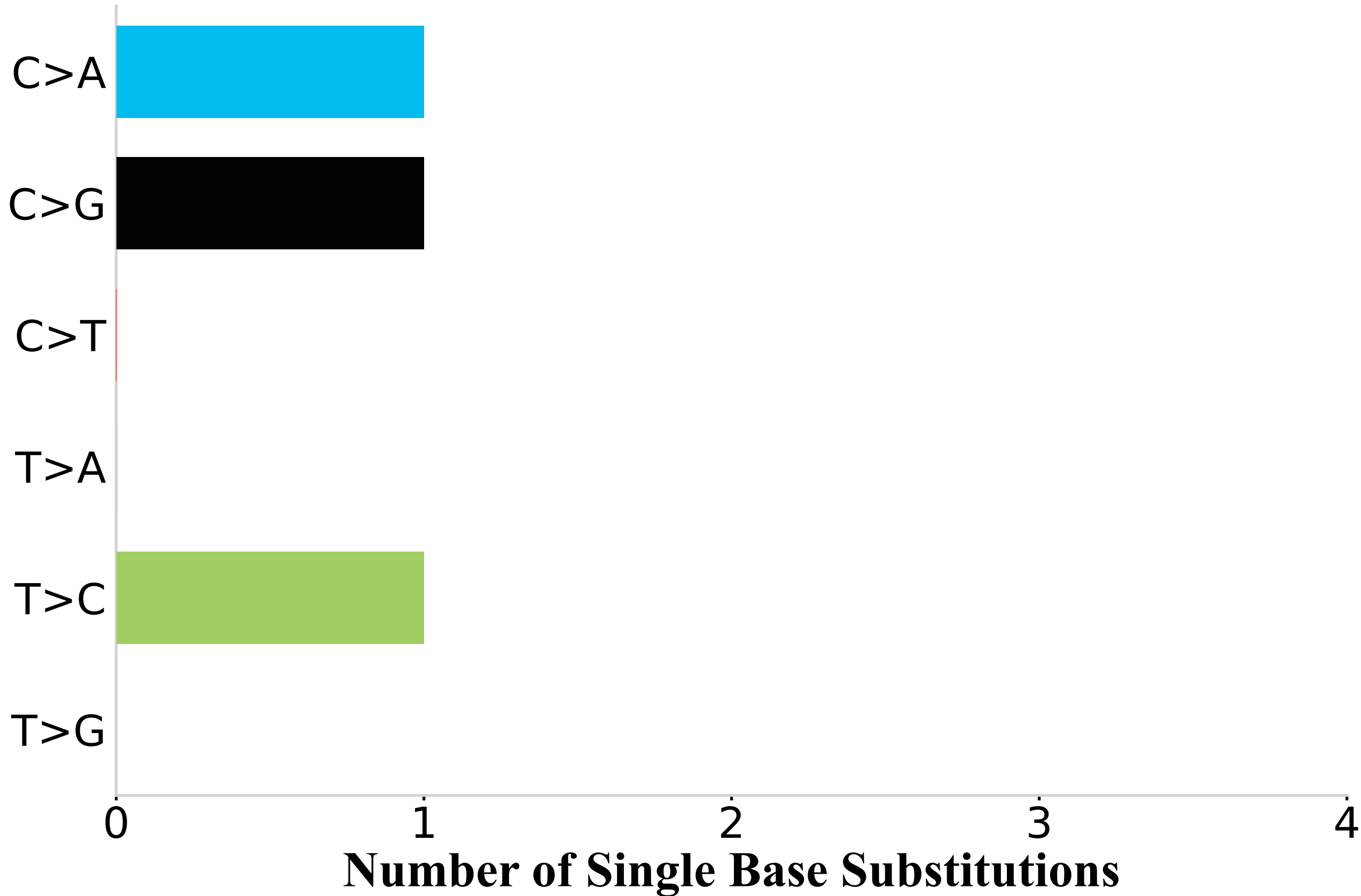


**P-0012198-T02-IM5: 5 subs**

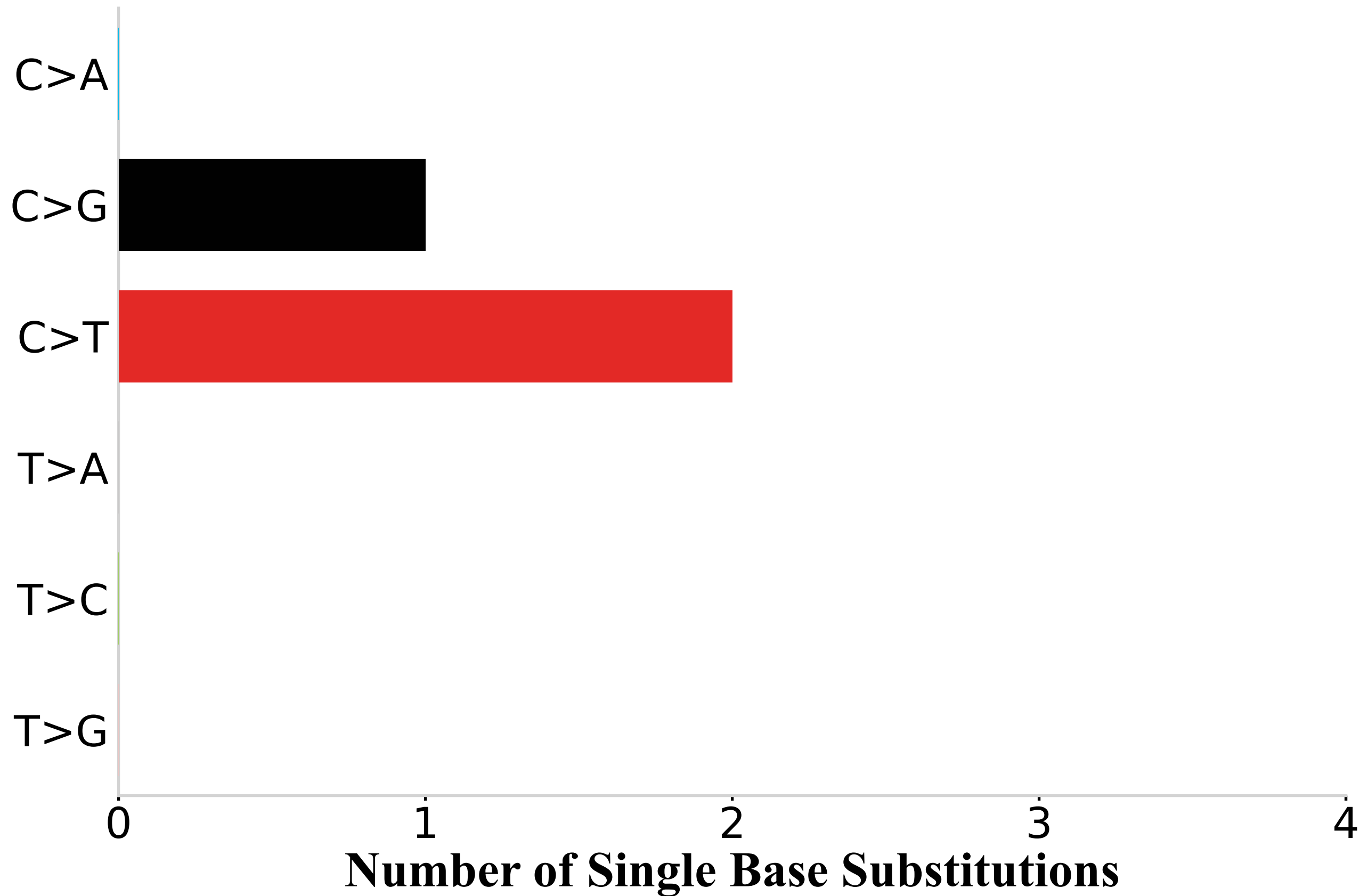




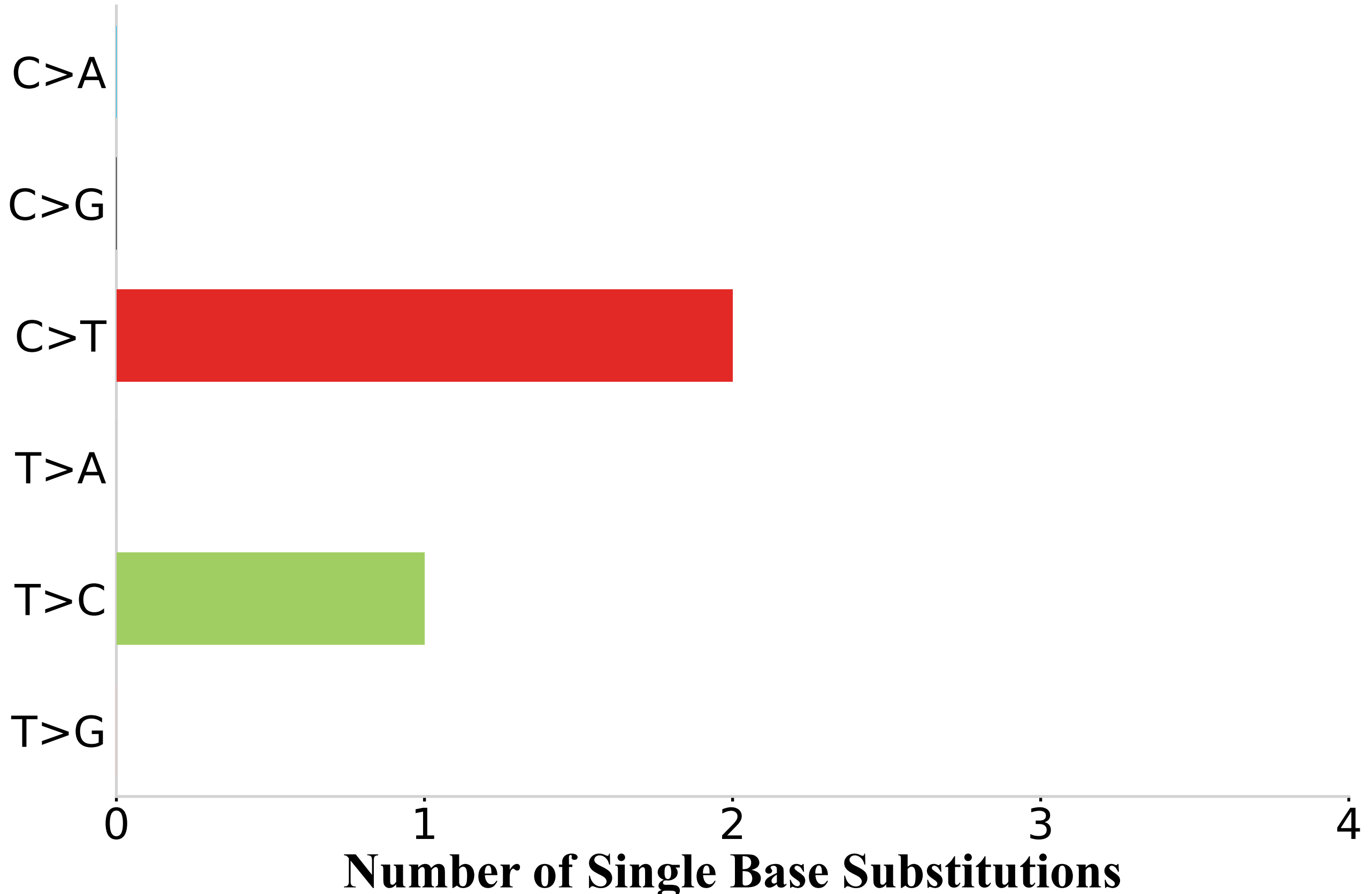
**P-0012276-T01-IM5: 3 subs**



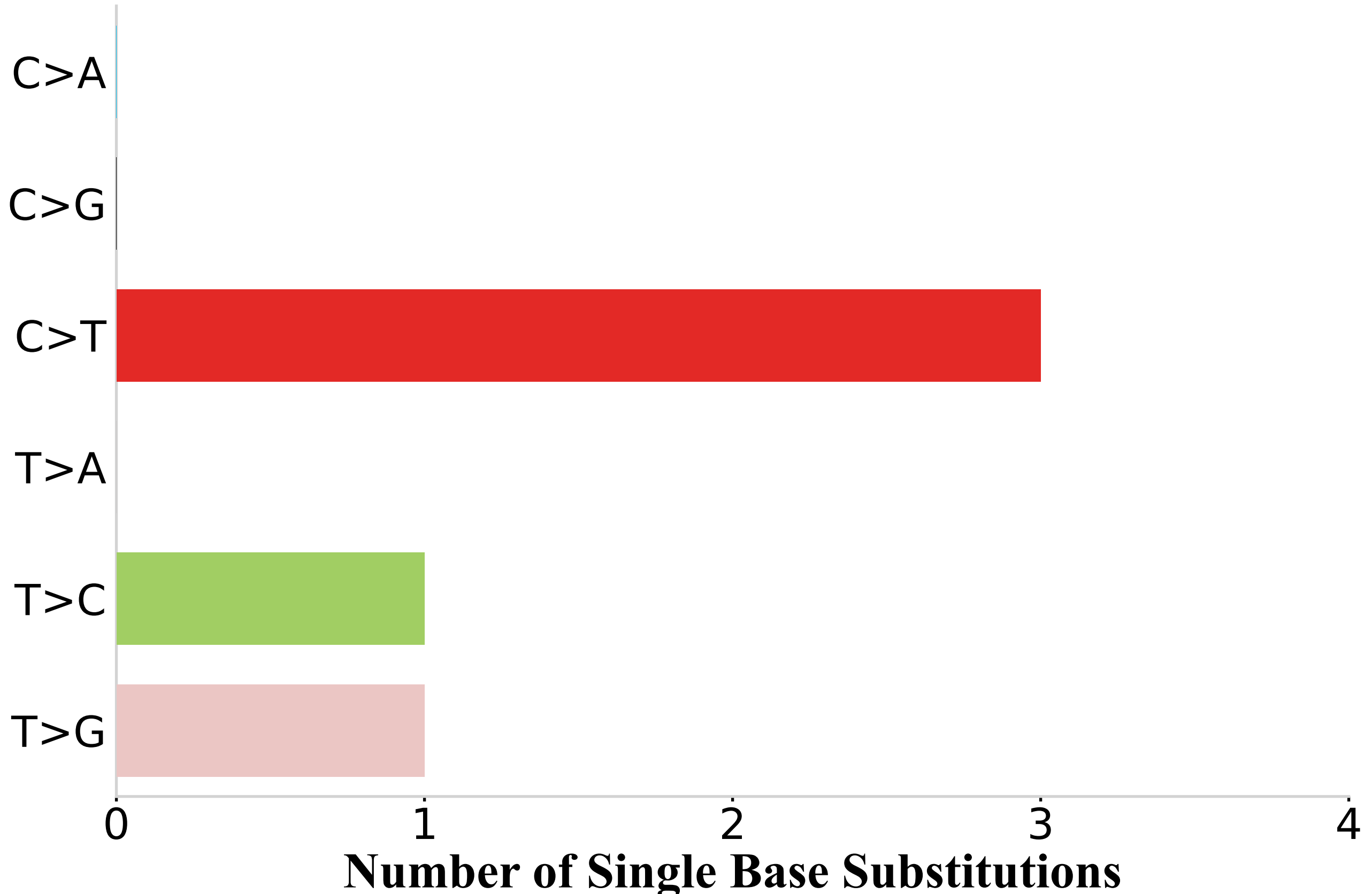
**P-0012317-T01-IM5: 3 subs**



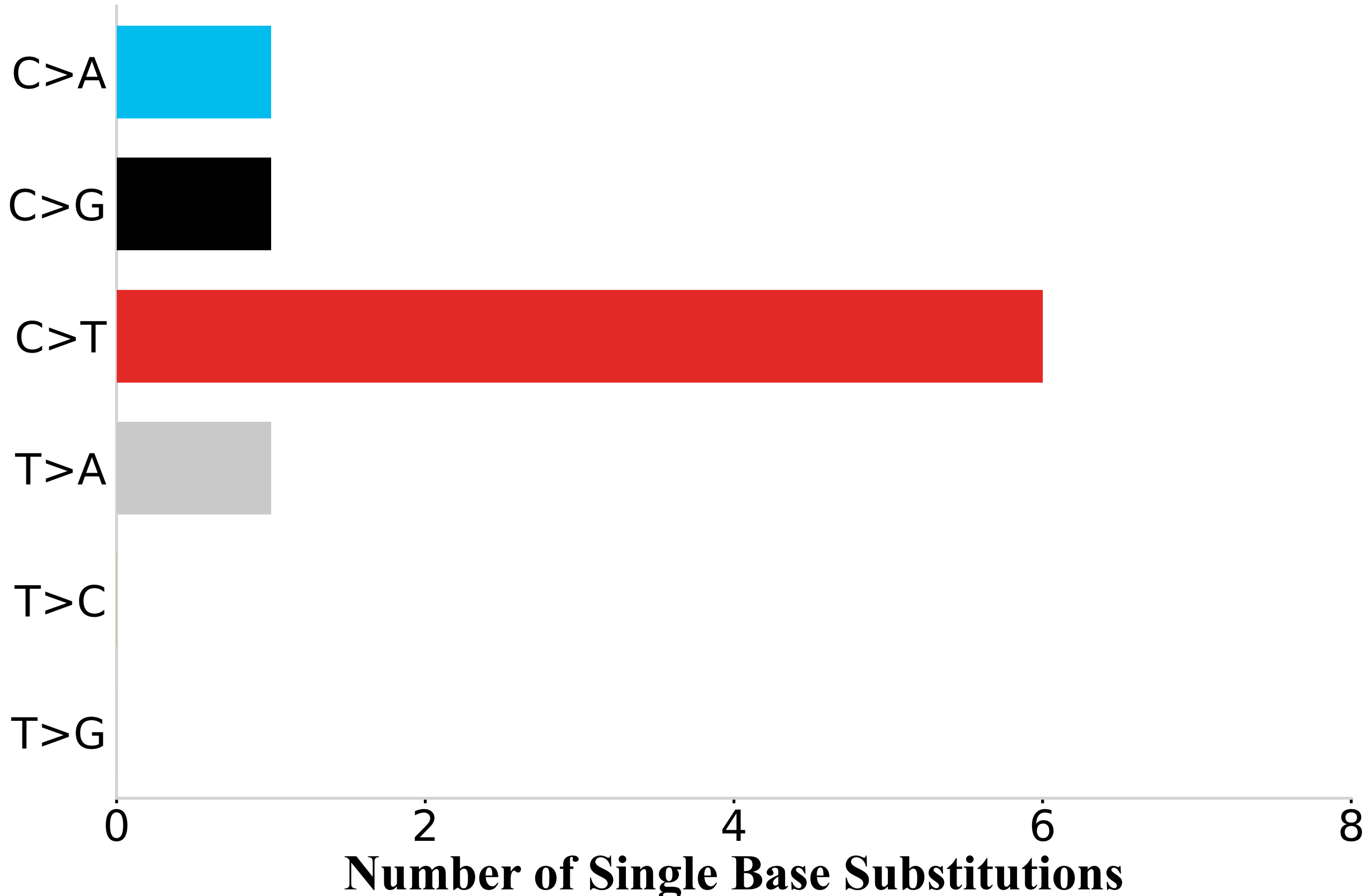
**P-0012628-T01-IM5: 3 subs**



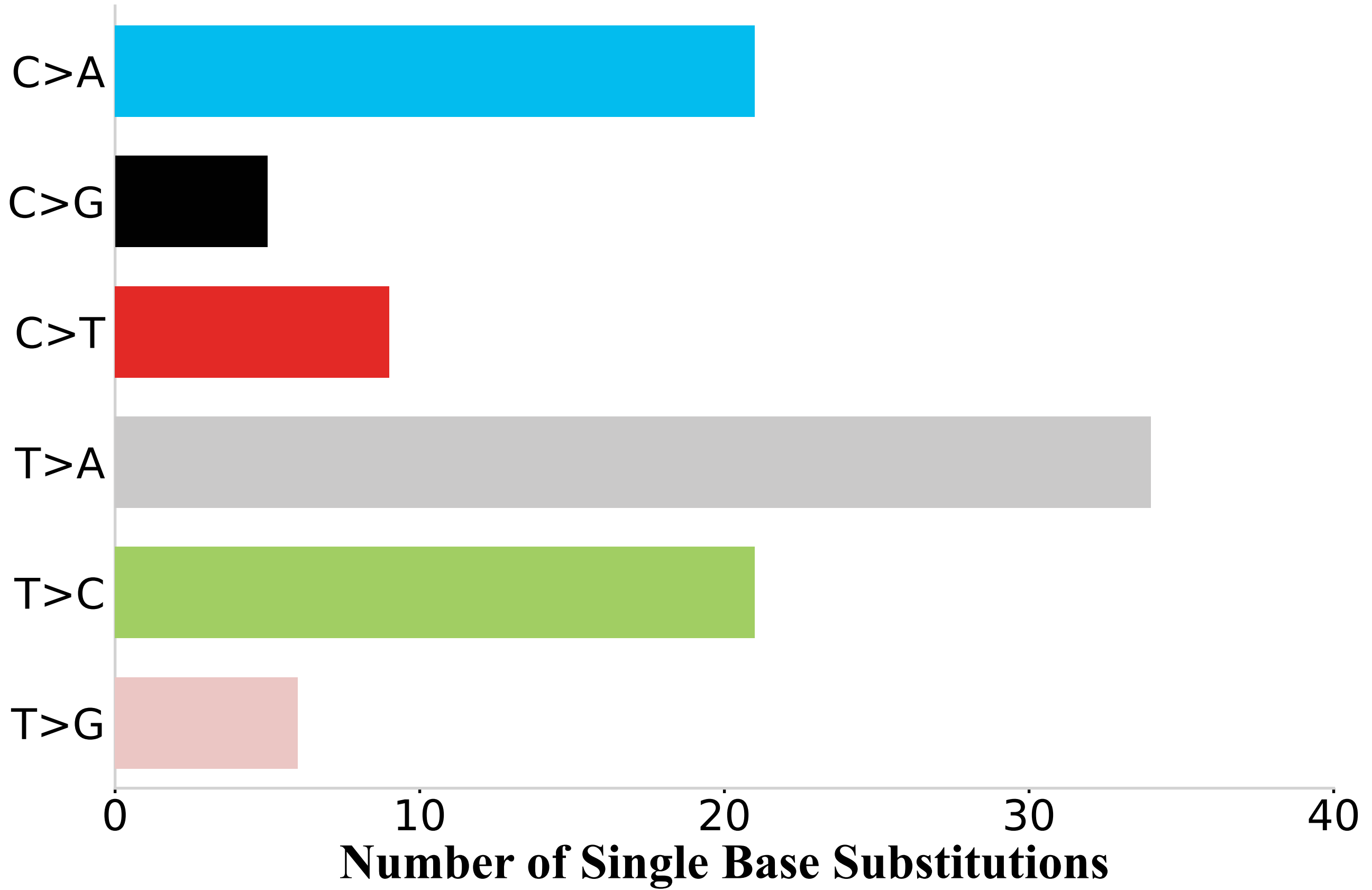
**P-0012941-T01-IM5: 5 subs**



**P-0012947-T01-IM5: 9 subs**



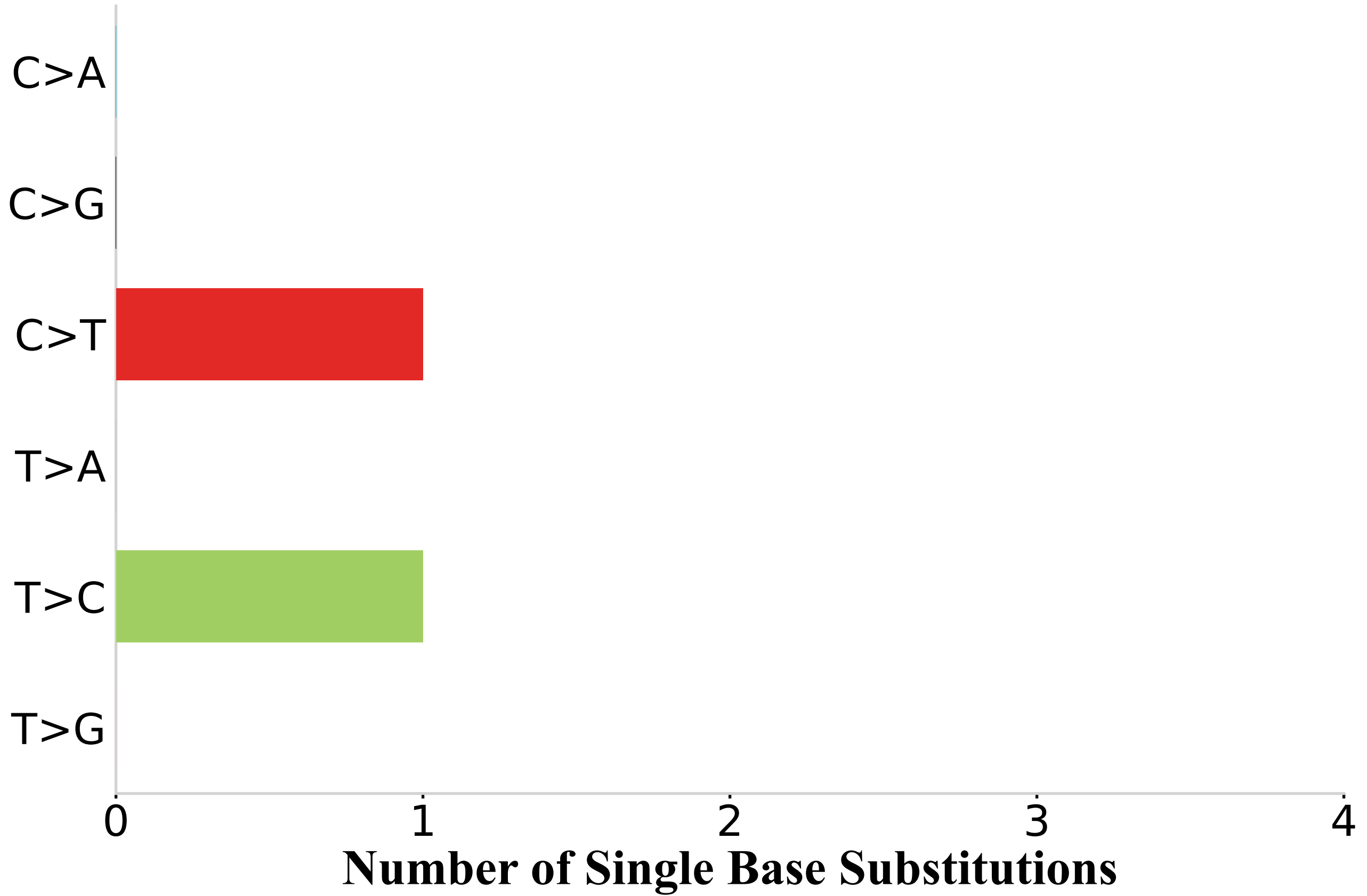
**P-0013060-T01-IM5: 96 subs**



**P-0013075-T01-IM5: 2 subs**

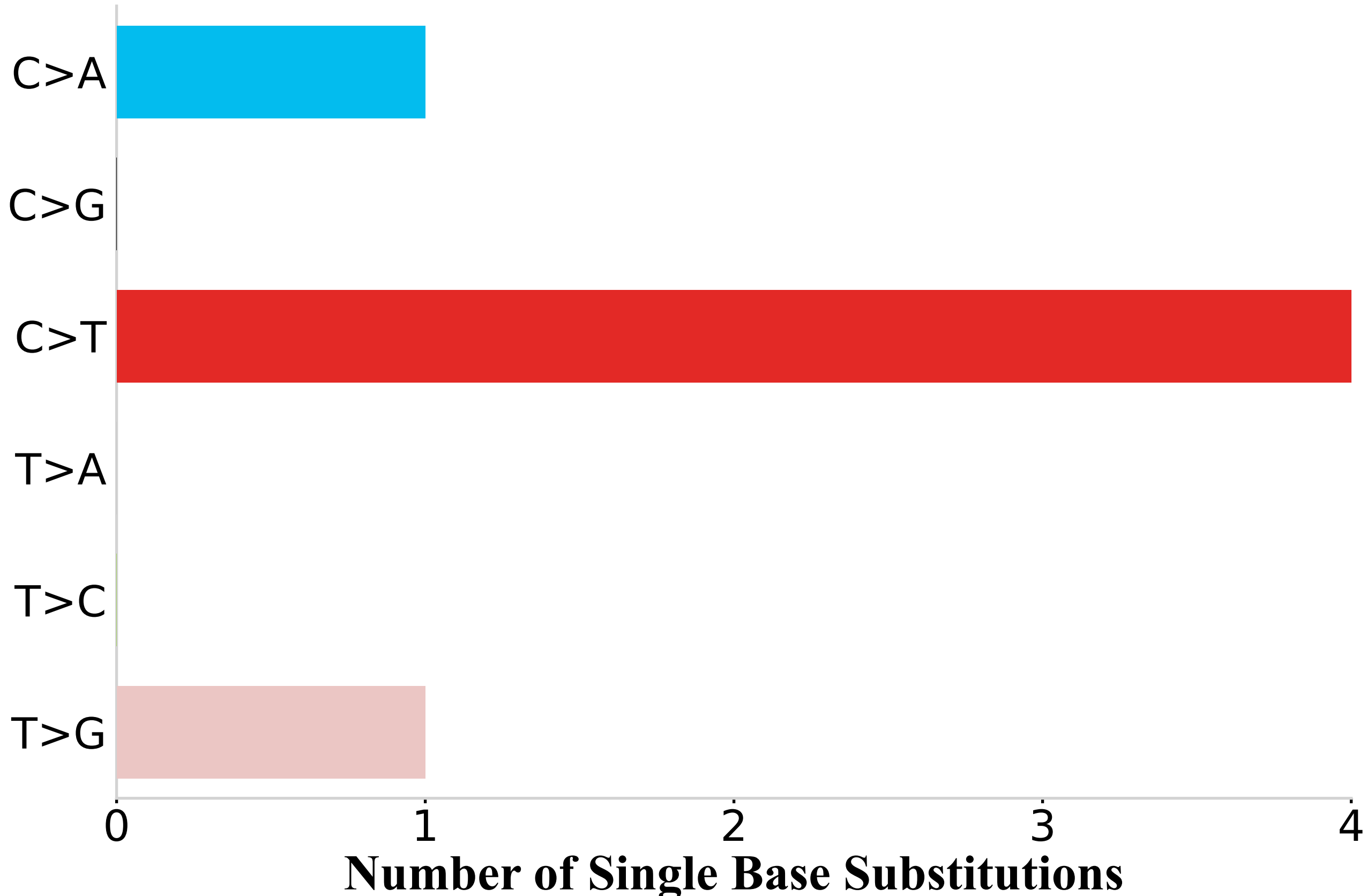


**P-0013161-T01-IM5: 2 subs**

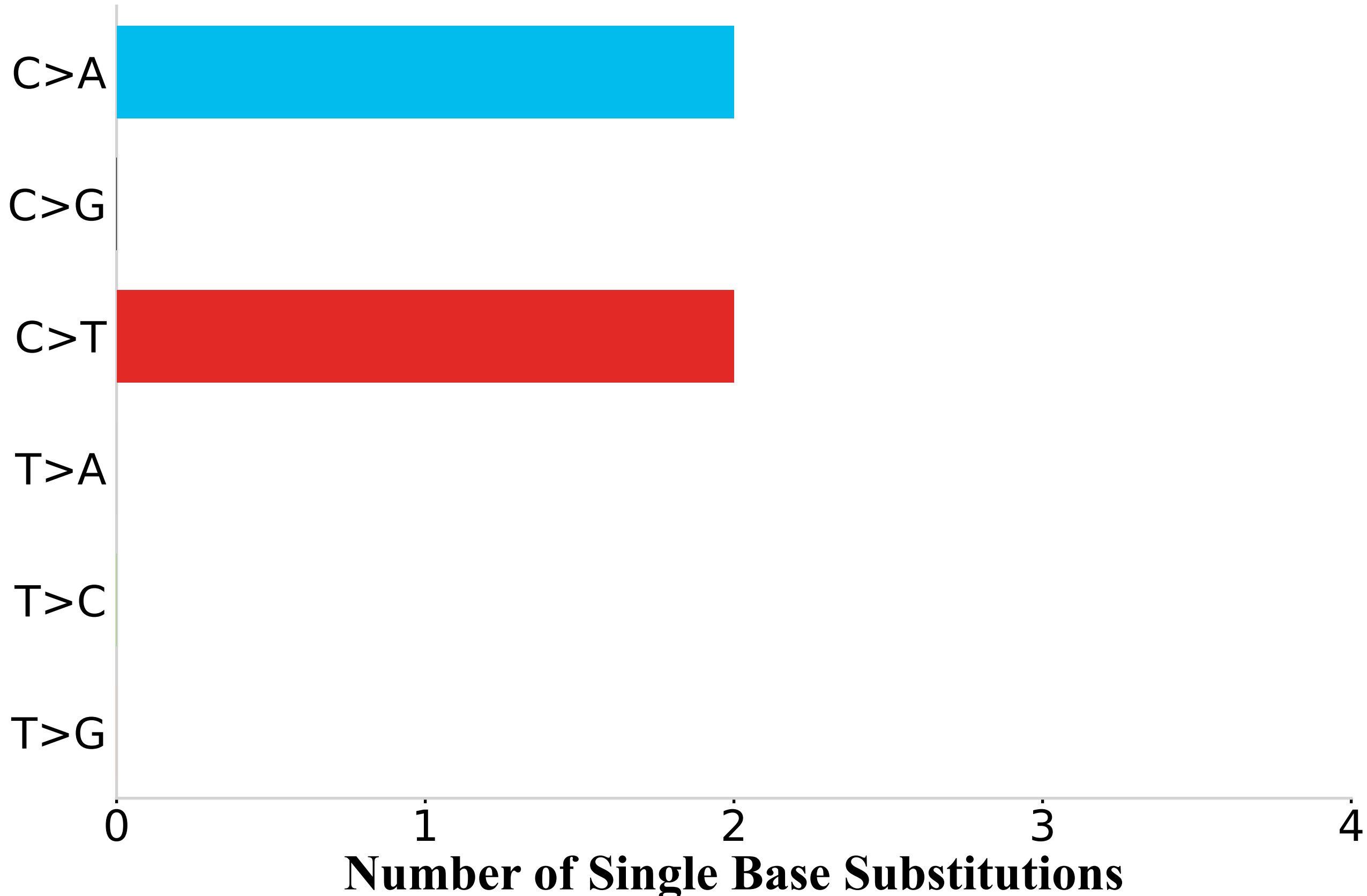




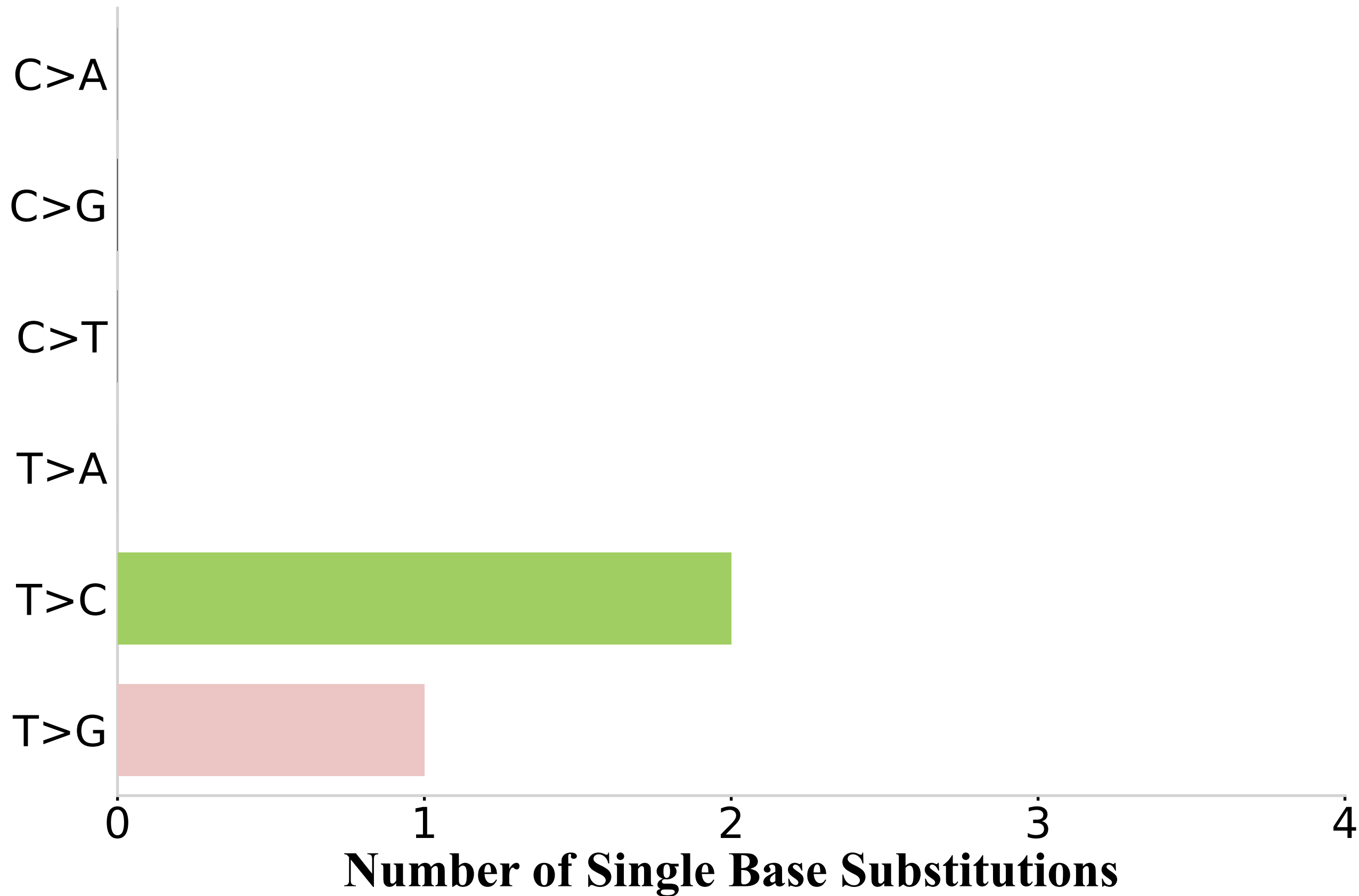
**P-0013312-T01-IM5: 6 subs**



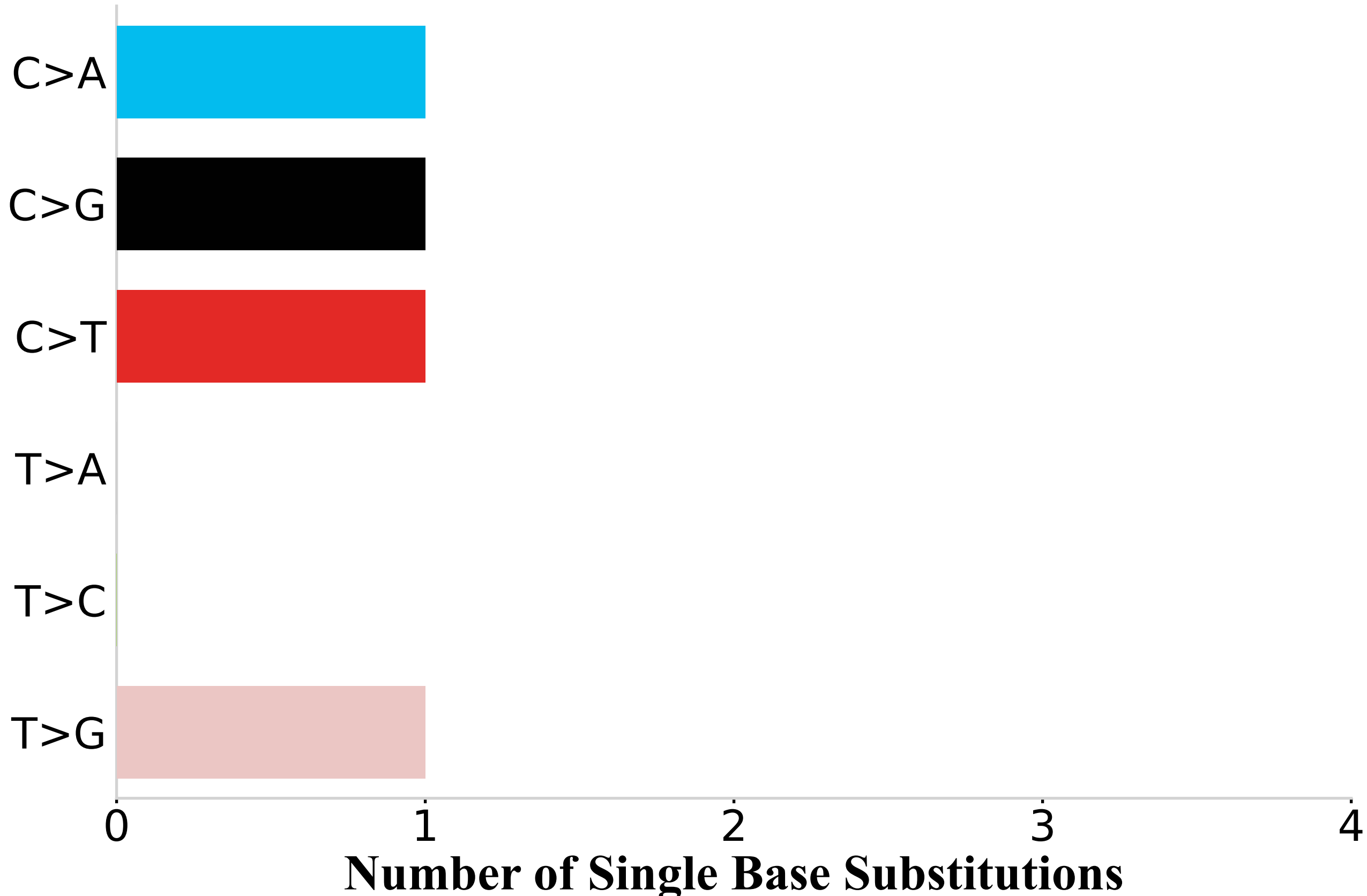
**P-0013464-T01-IM5: 4 subs**



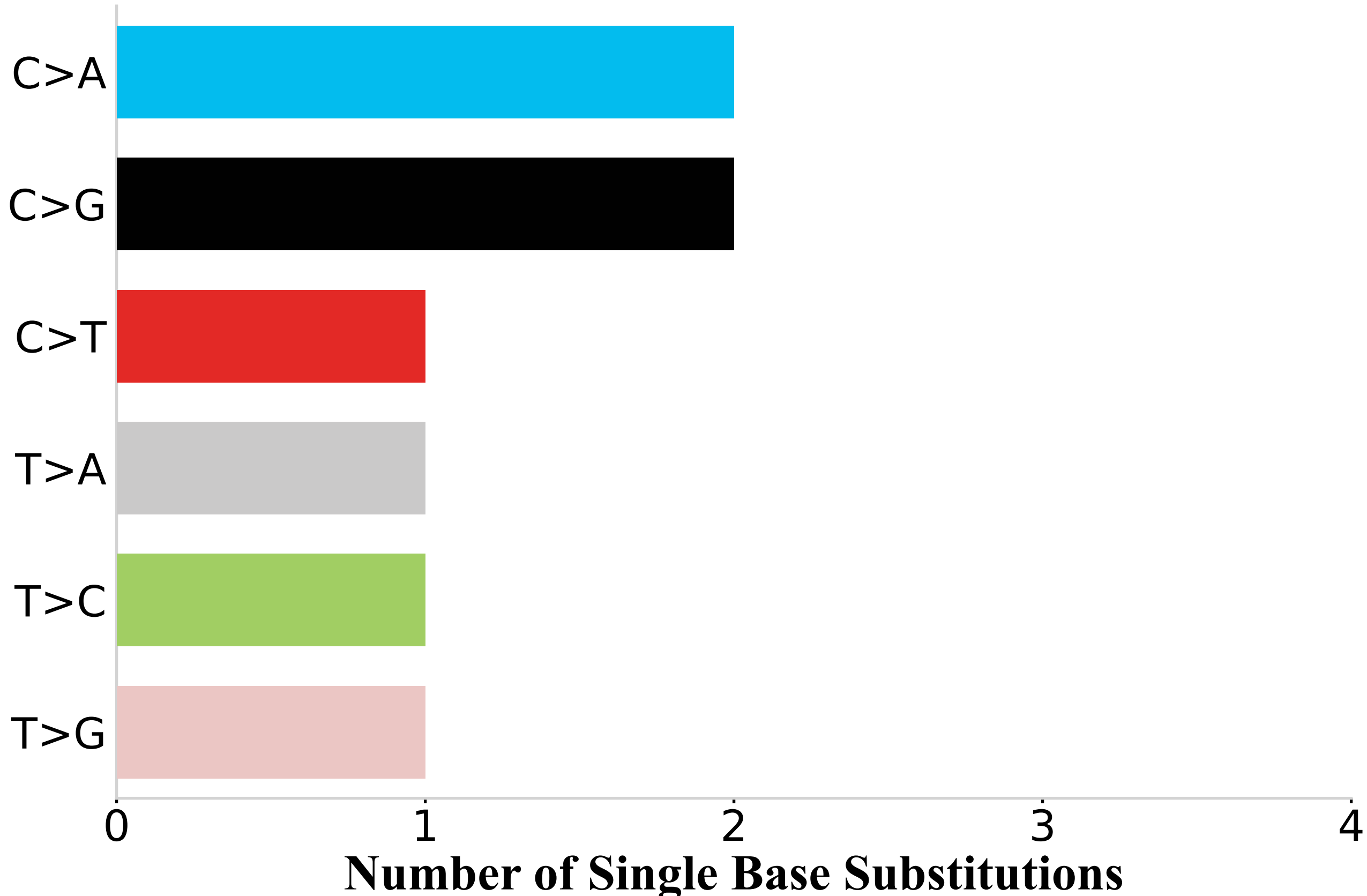
**P-0013549-T01-IM5: 3 subs**



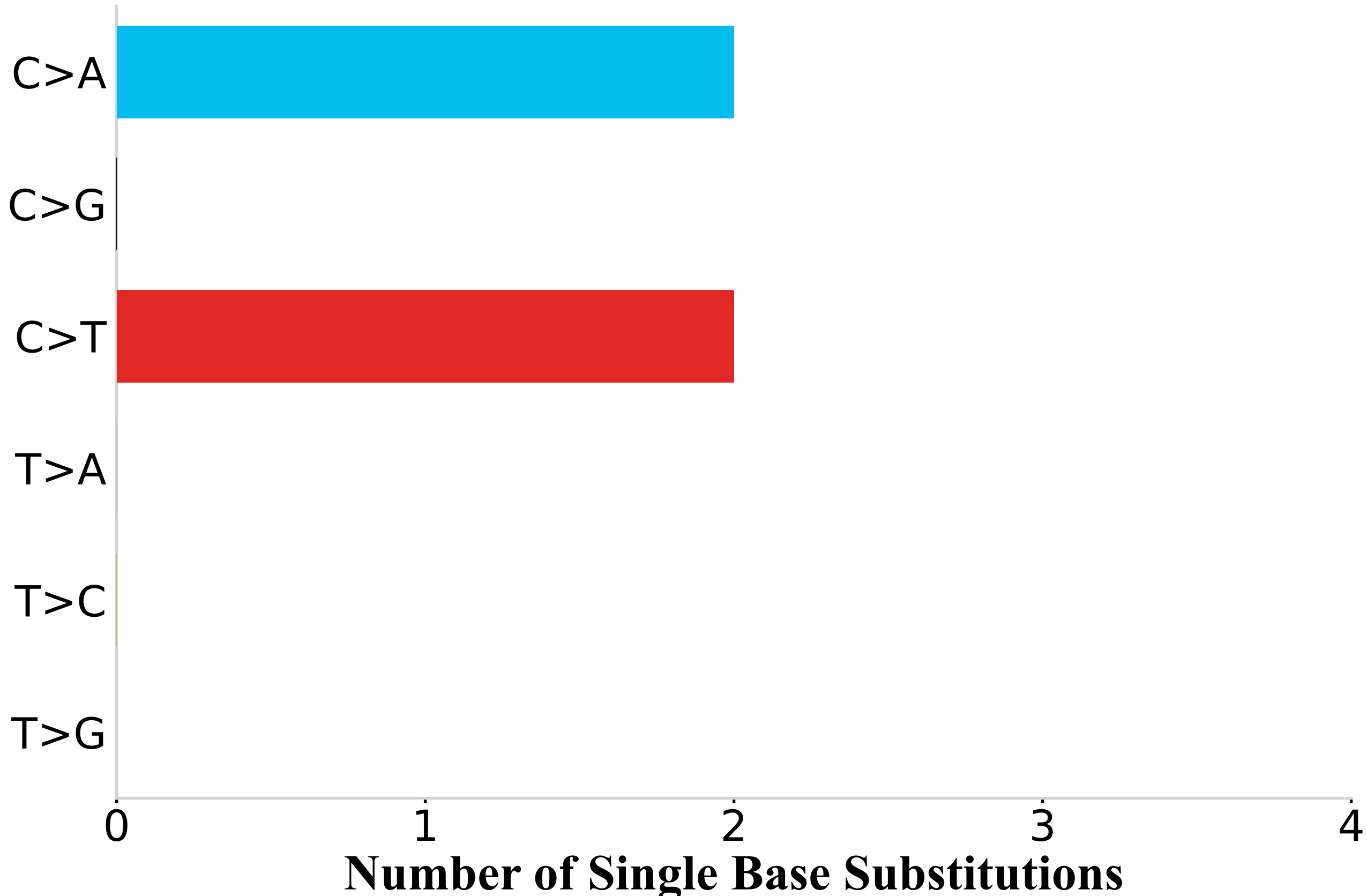
**P-0013553-T01-IM5: 4 subs**



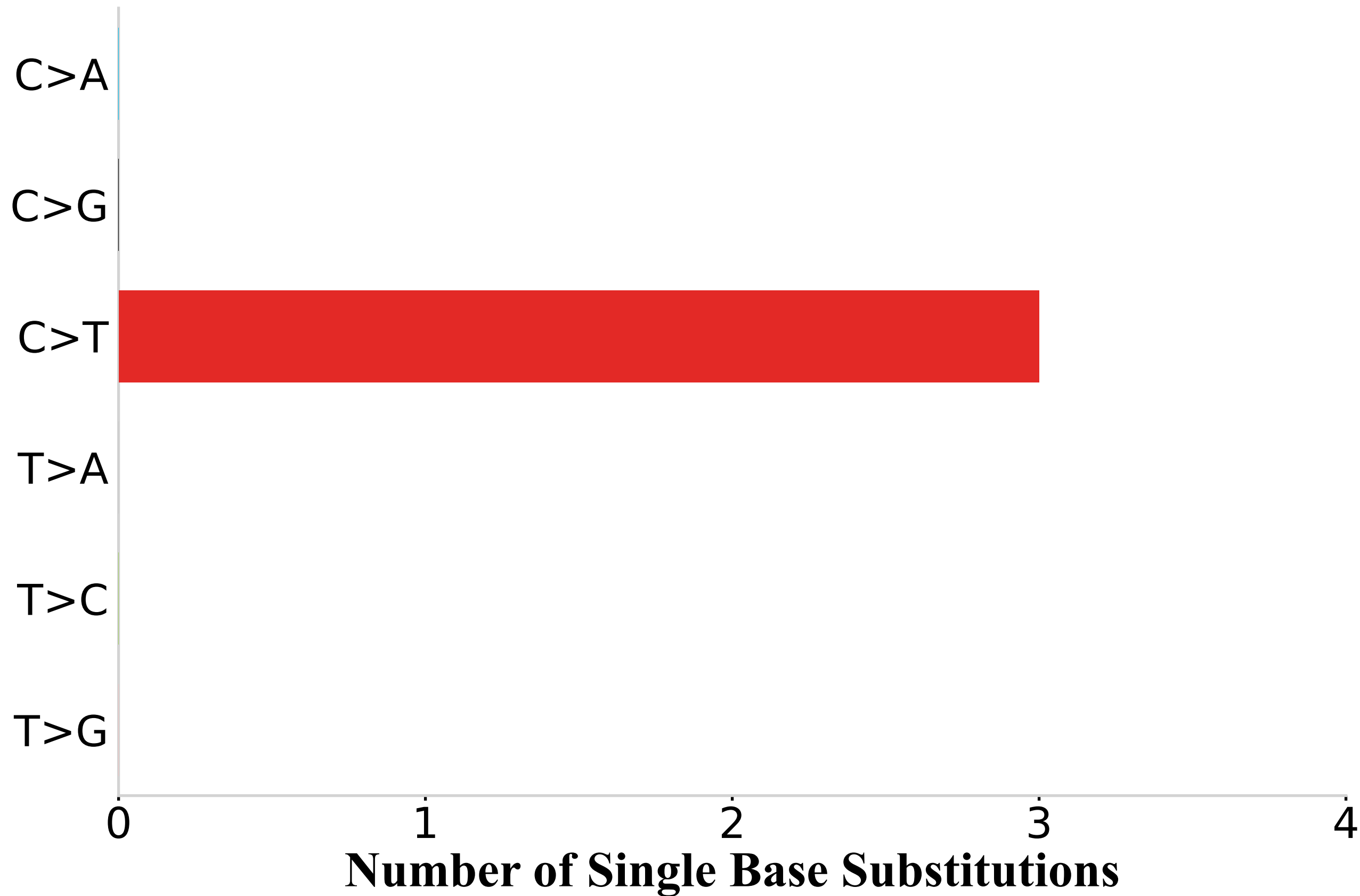
**P-0013934-T02-IM6: 8 subs**



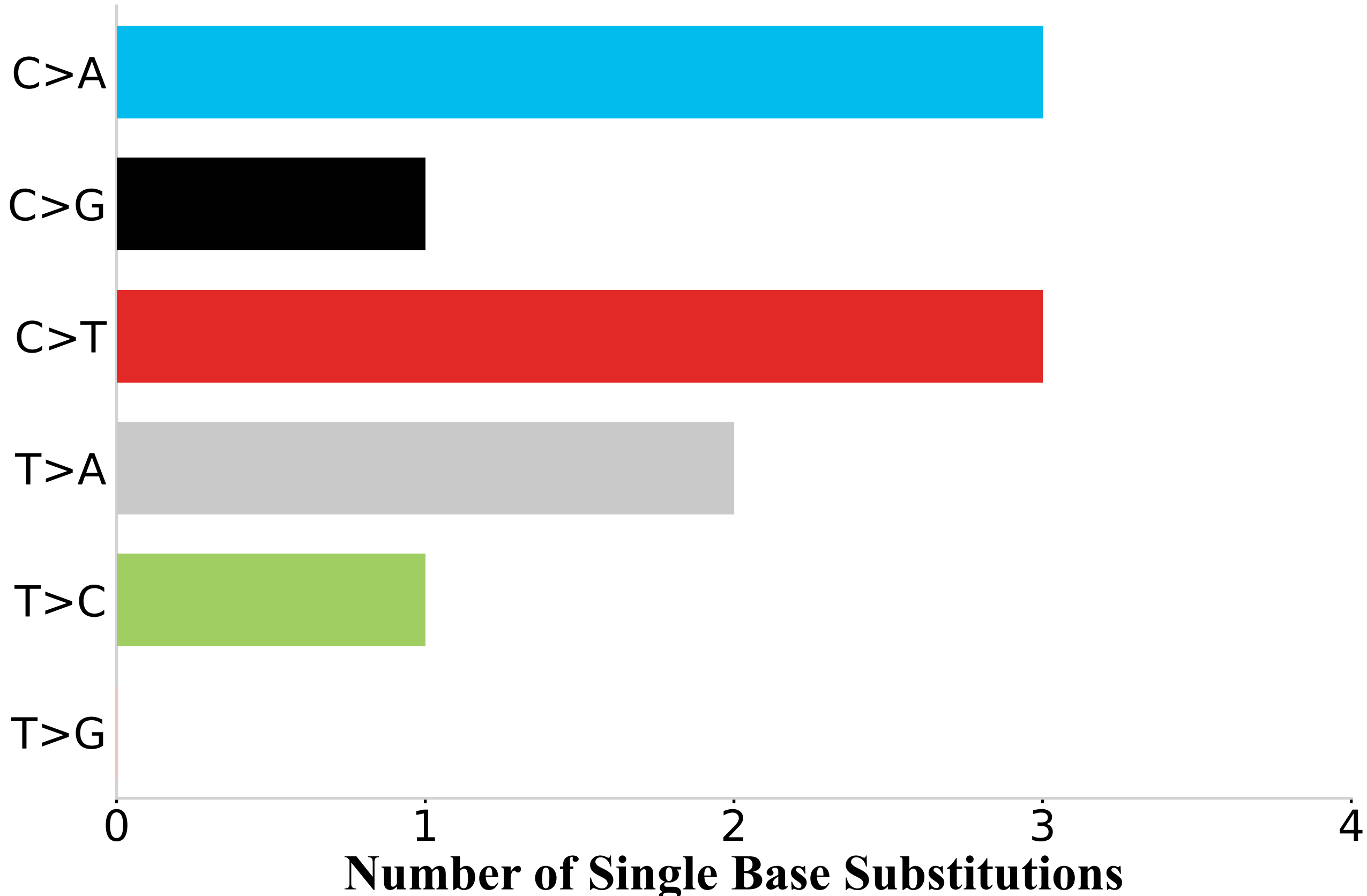
**P-0014151-T01-IM5: 4 subs**



**P-0014668-T01-IM6: 3 subs**

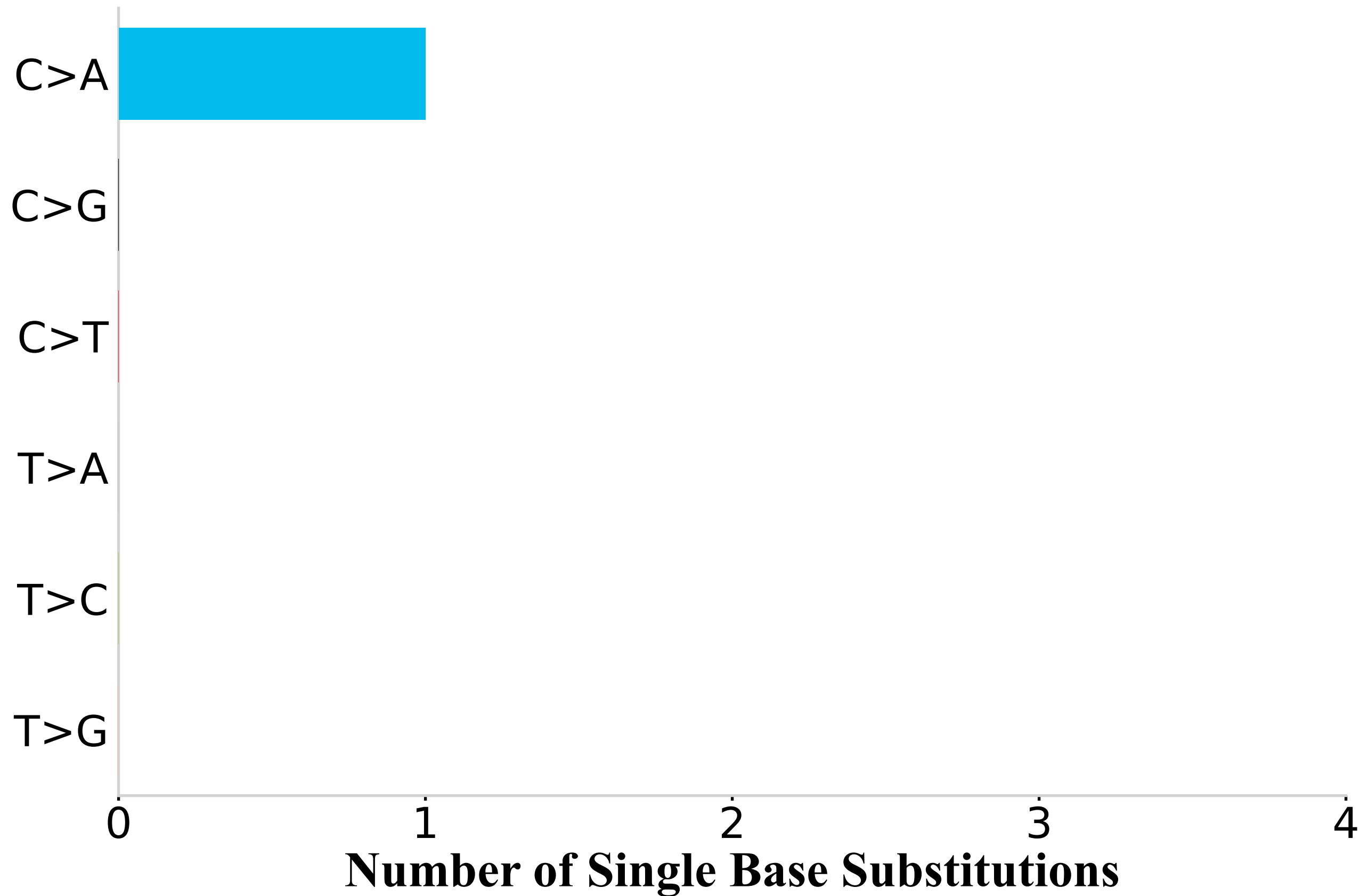


**P-0015203-T01-IM6: 10 subs**

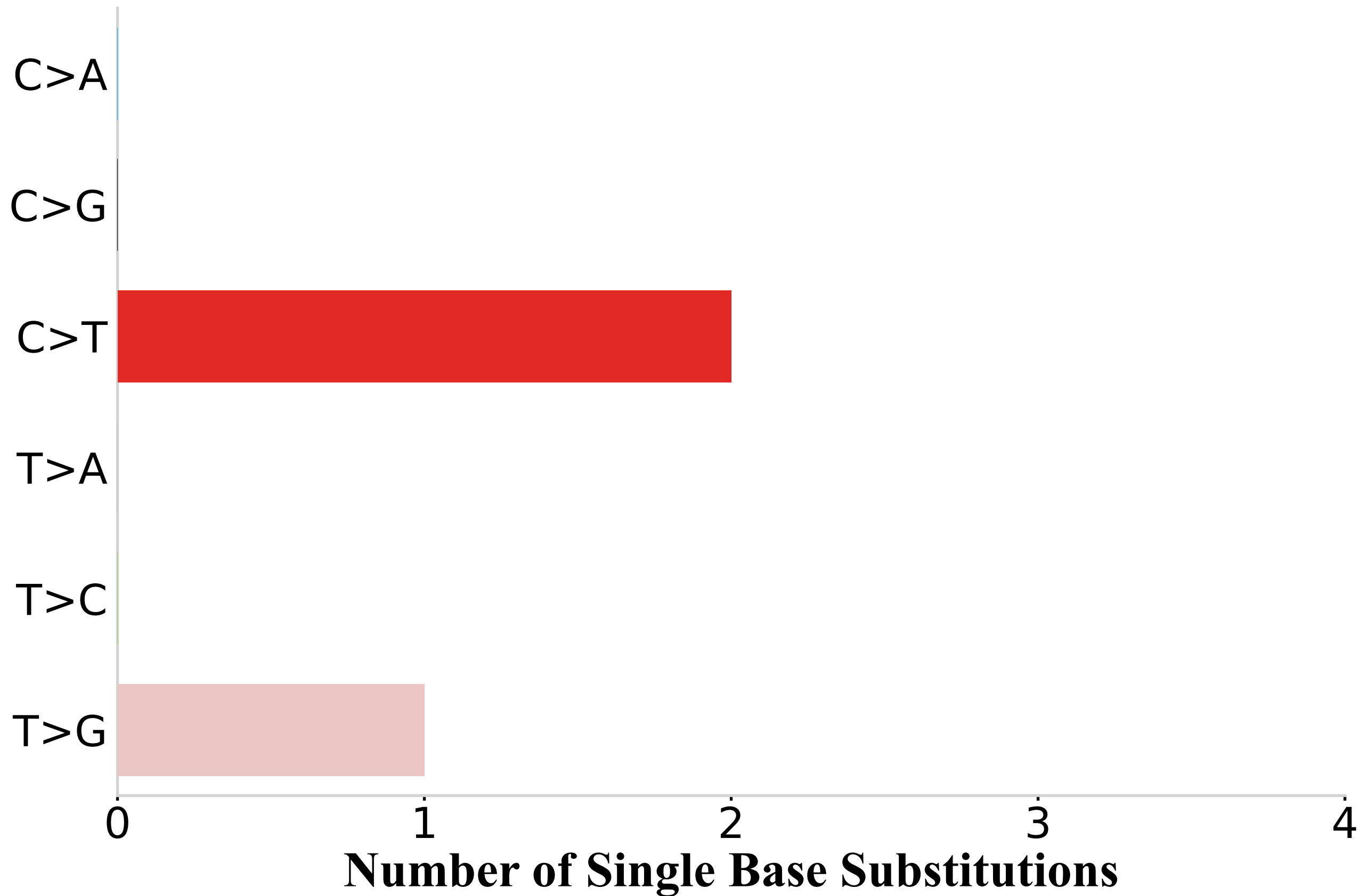




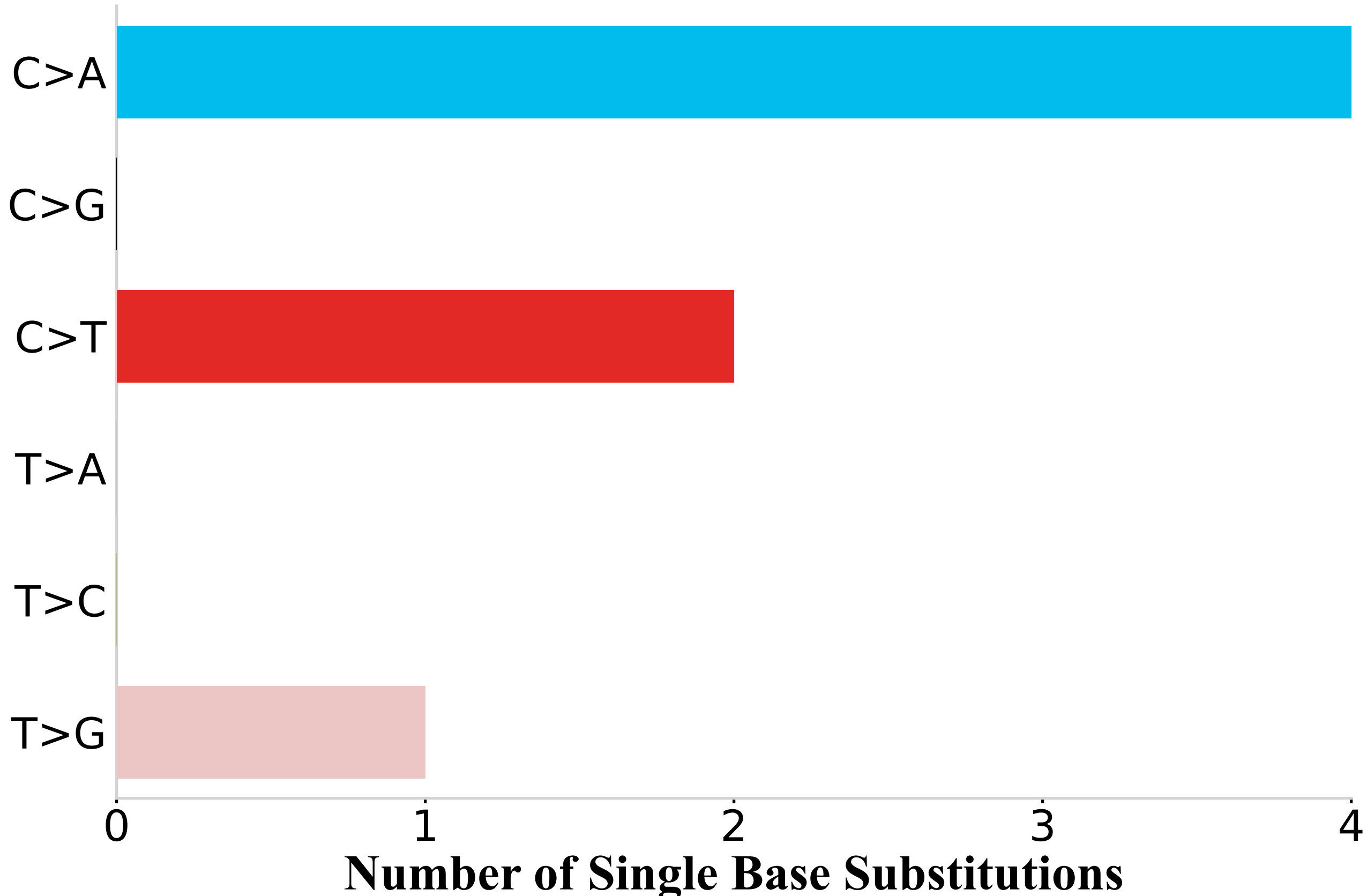
**P-0015581-T01-IM6: 1 subs**



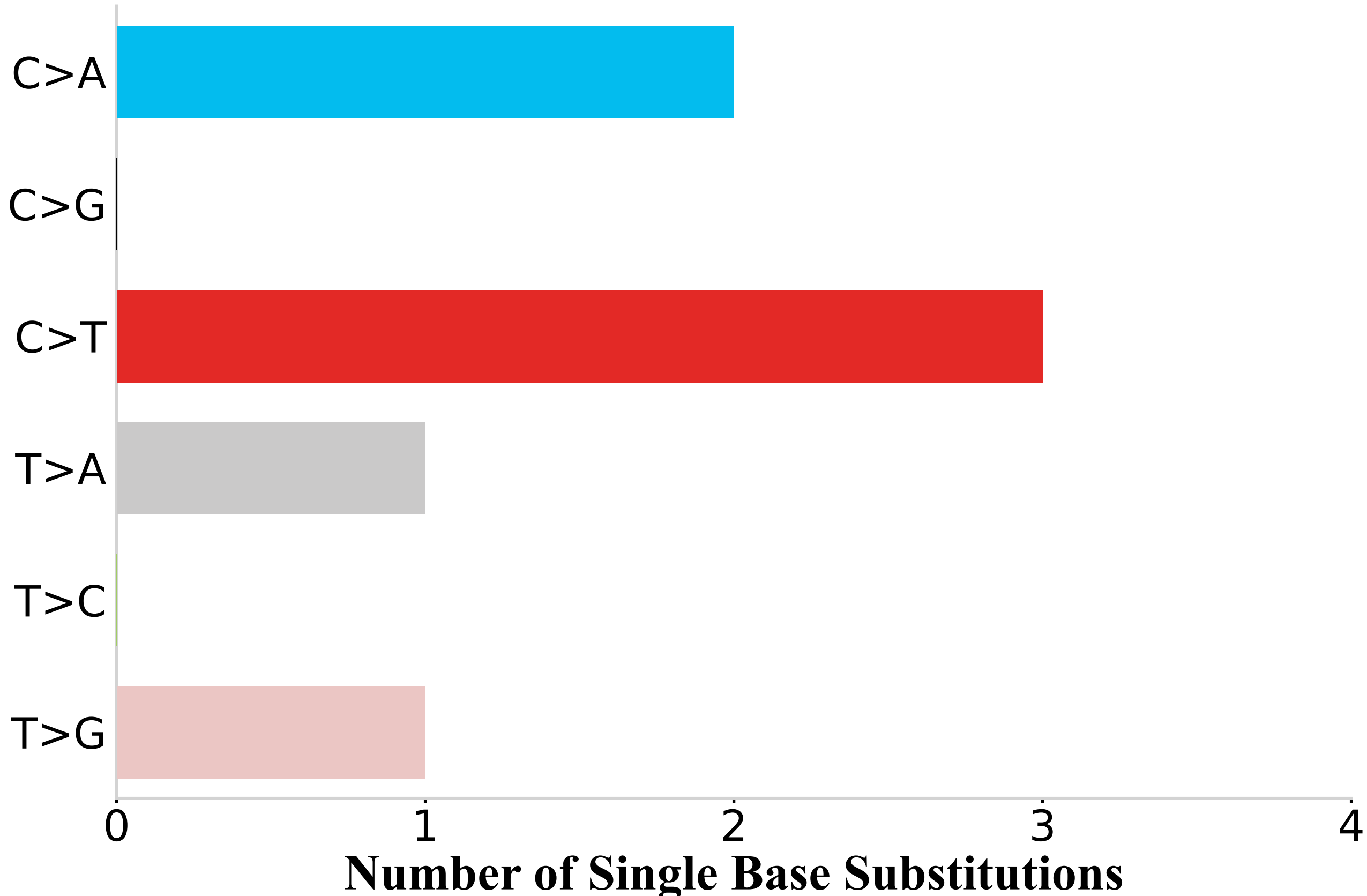
**P-0015687-T01-IM6: 3 subs**



**P-0015853-T01-IM6: 7 subs**



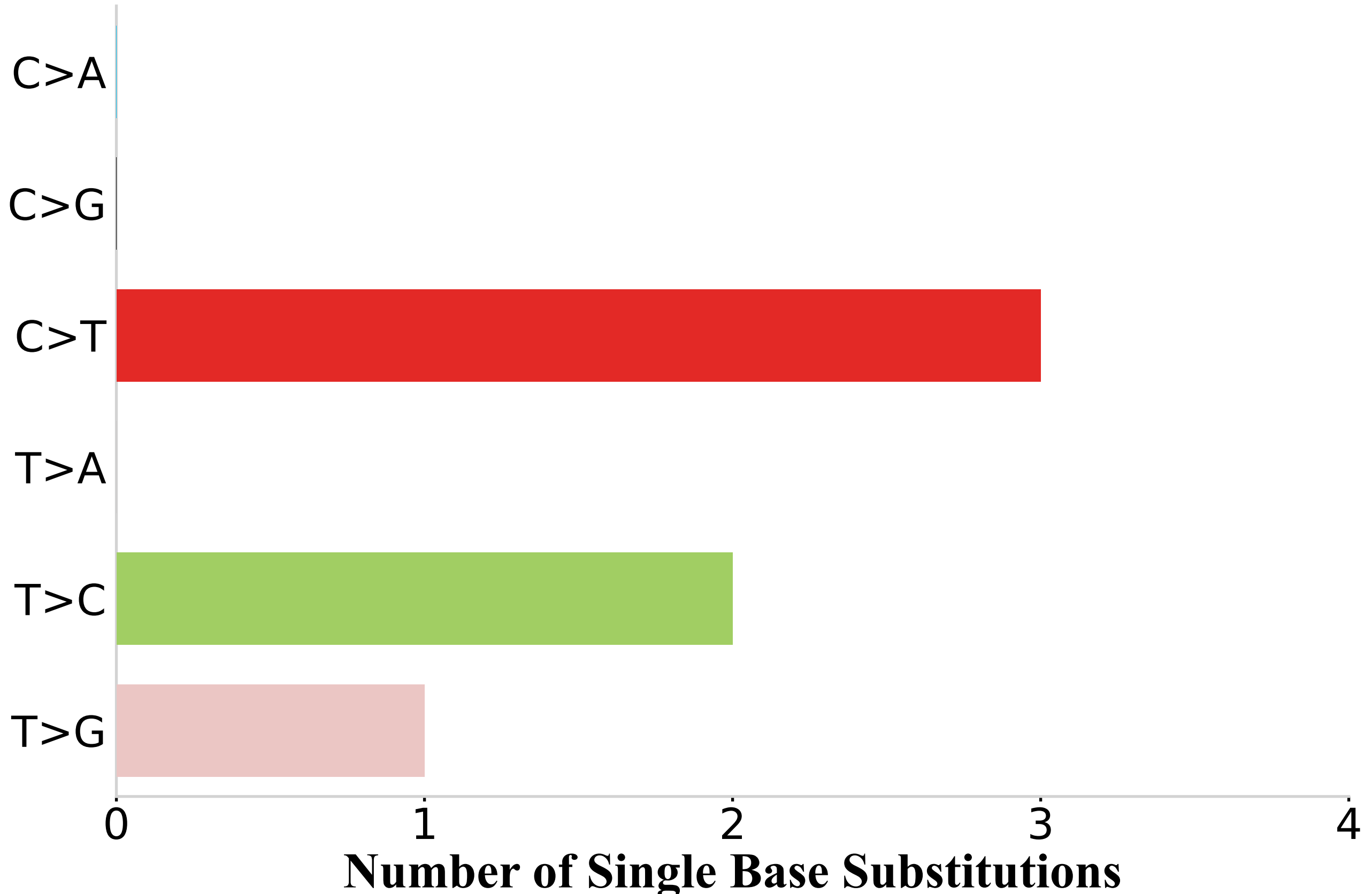
**P-0016070-T01-IM6: 7 subs**



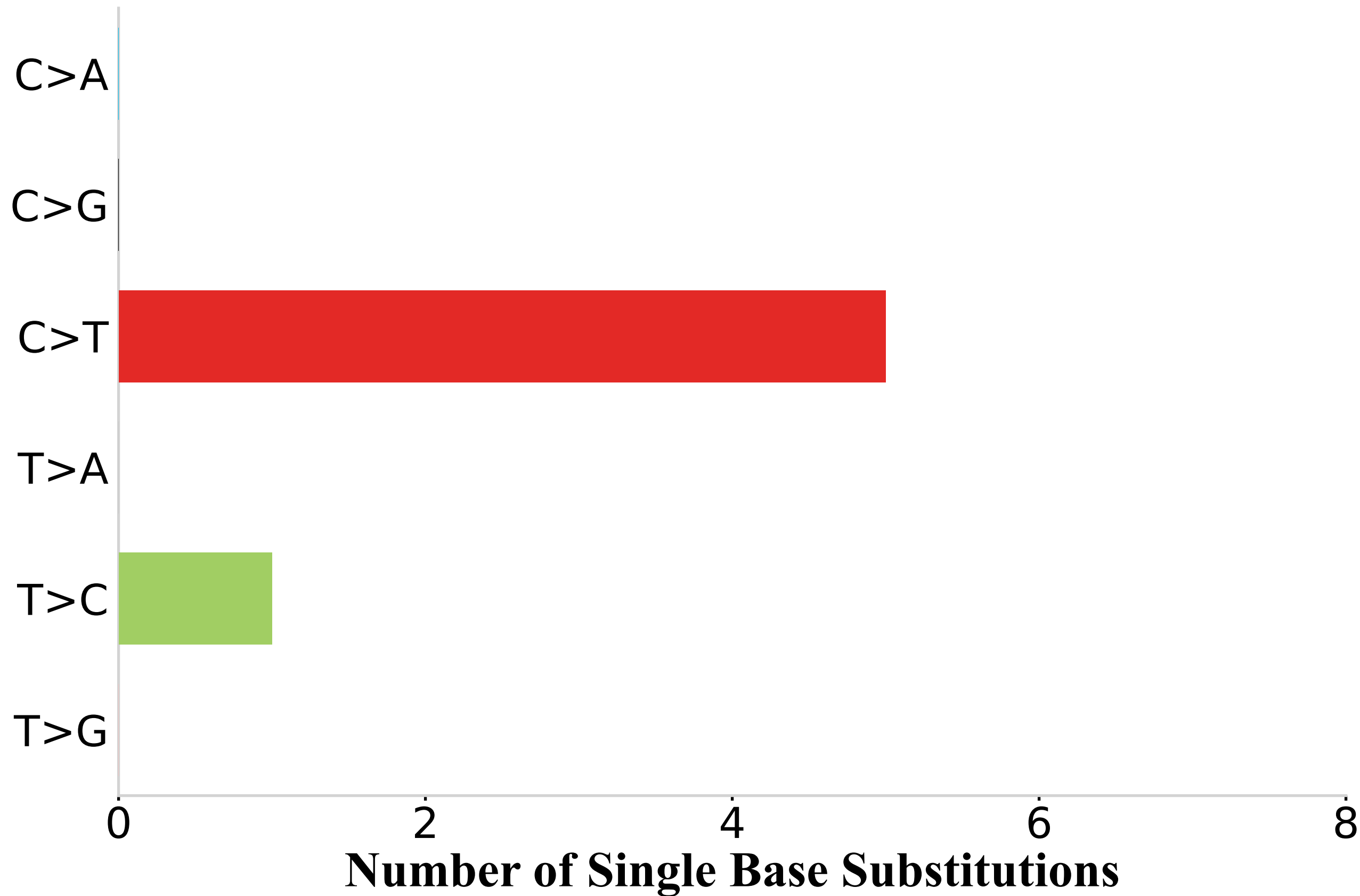
**P-0016245-T01-IM6: 1 subs**



**P-0017246-T01-IM6: 6 subs**



**P-0017412-T01-IM6: 6 subs**

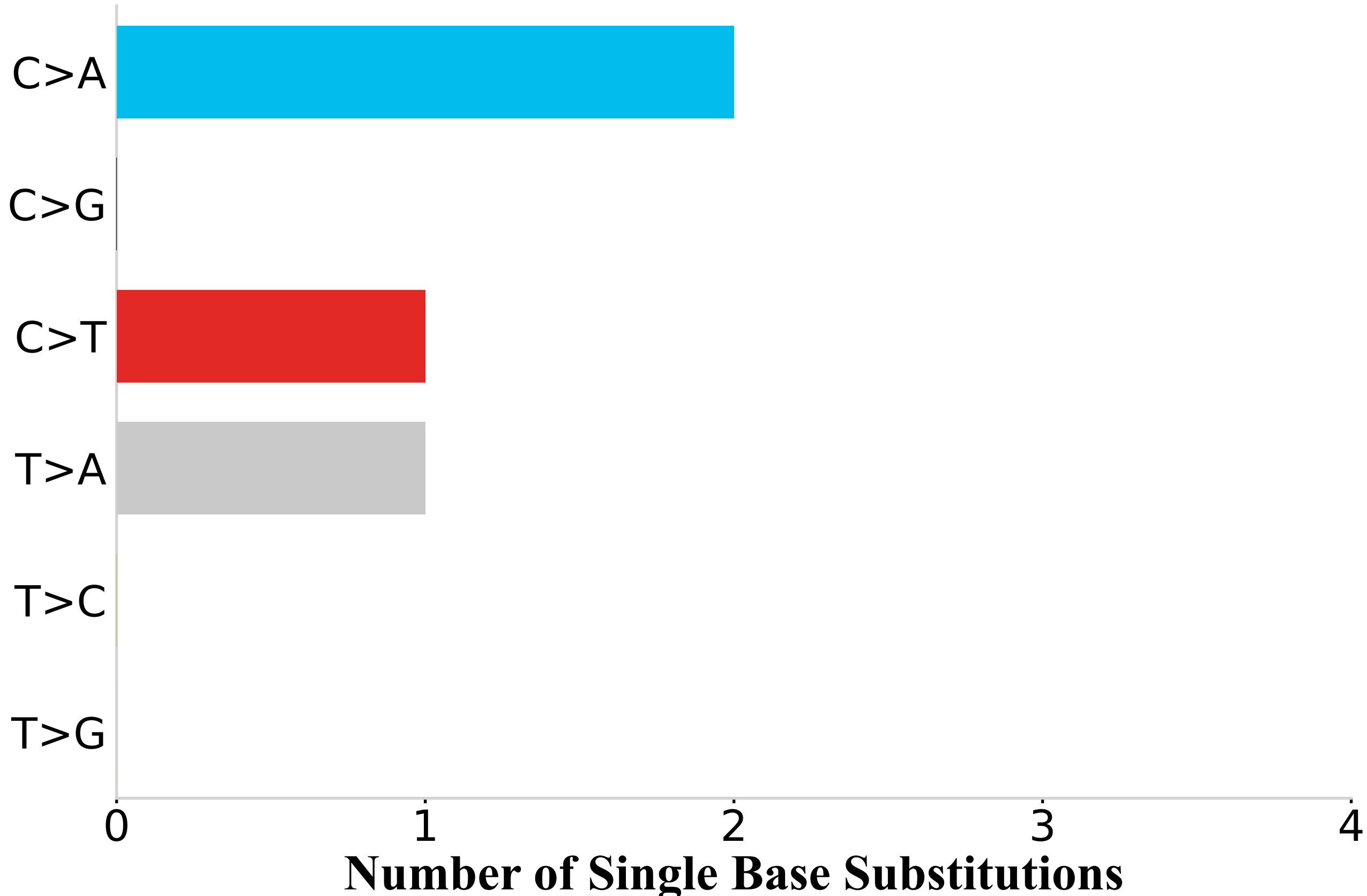


**P-0017415-T01-IM6: 9 subs**

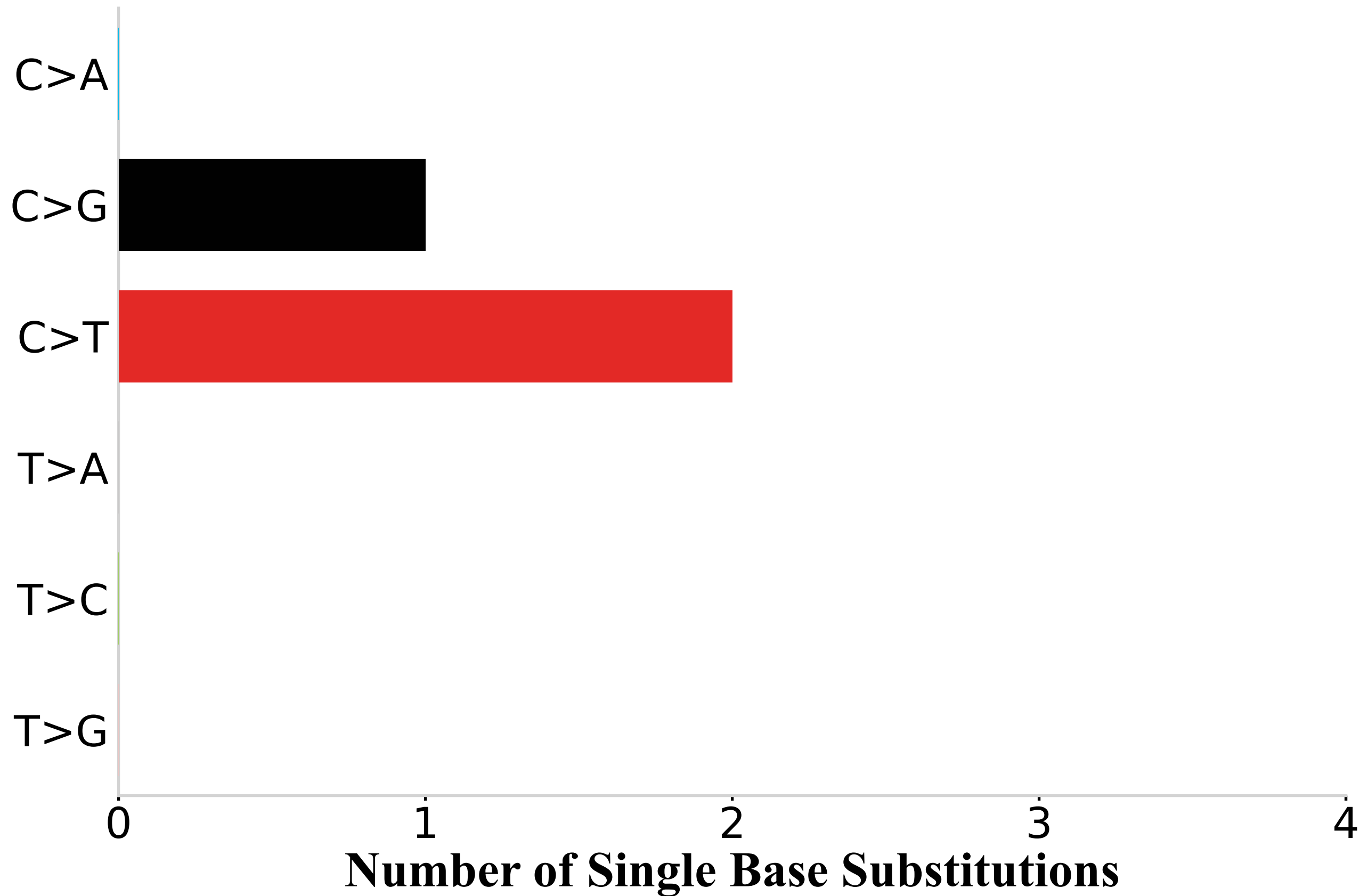




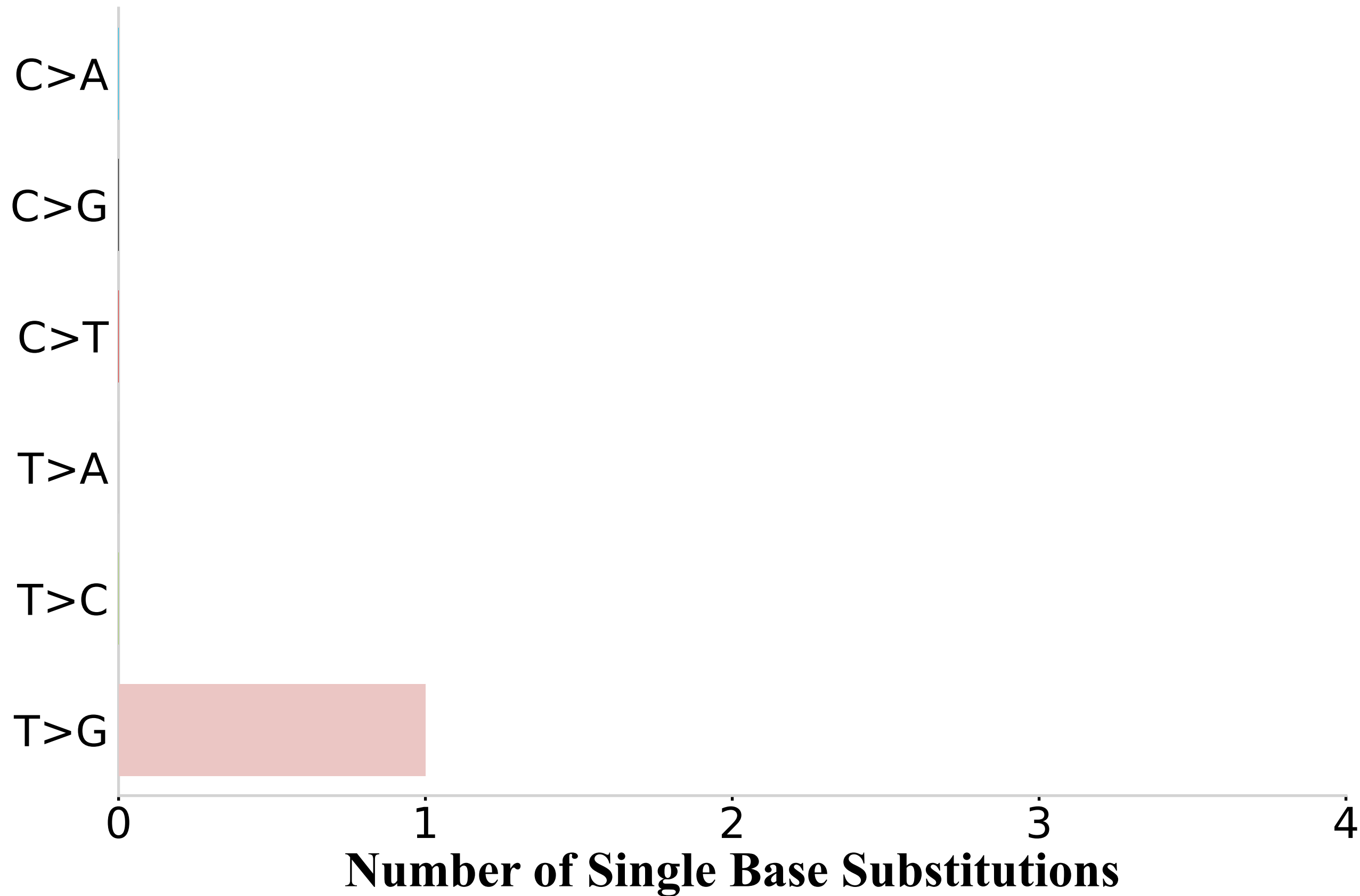
**P-0017499-T01-IM6: 4 subs**



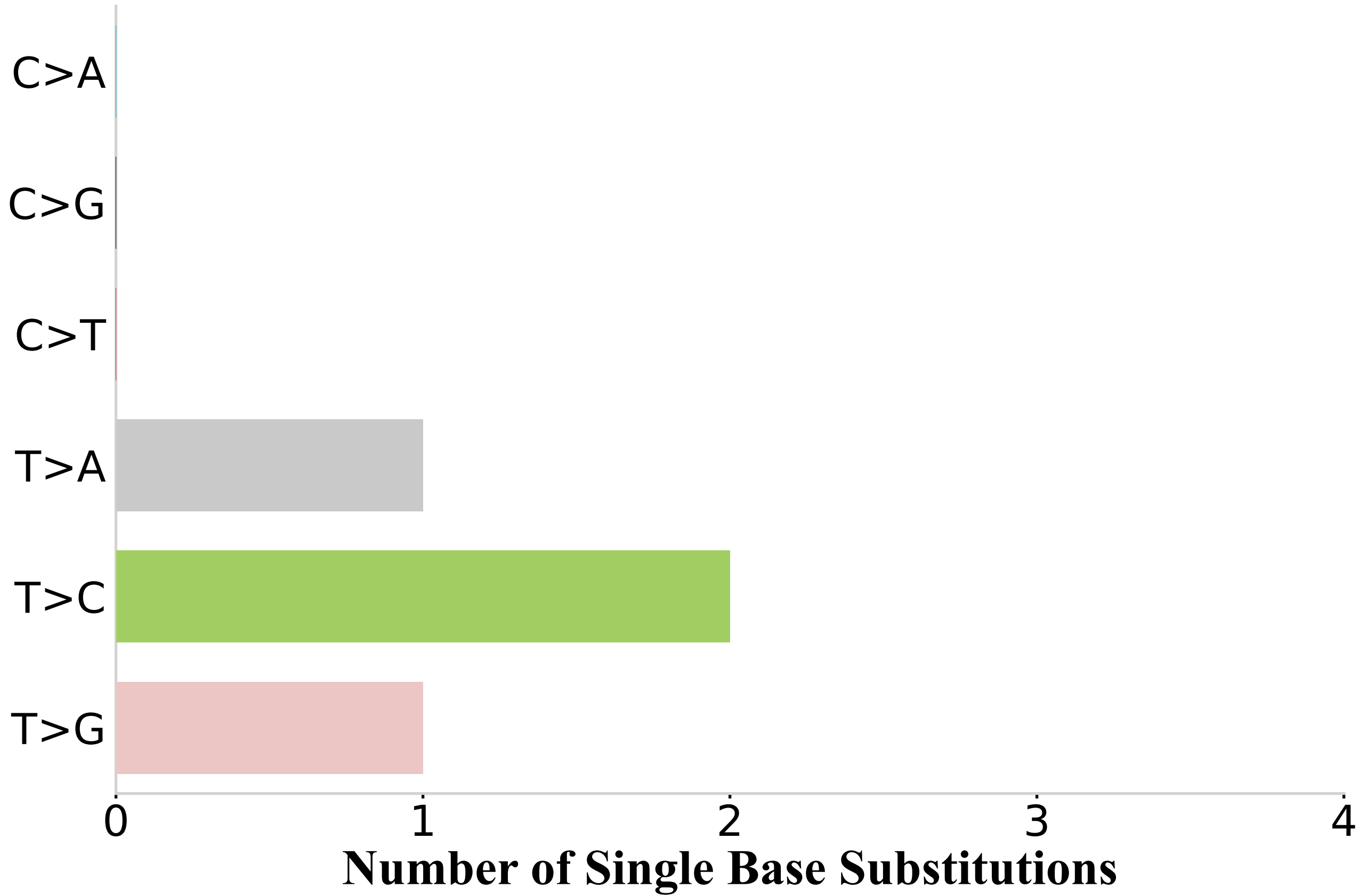
**P-0017520-T01-IM6: 3 subs**



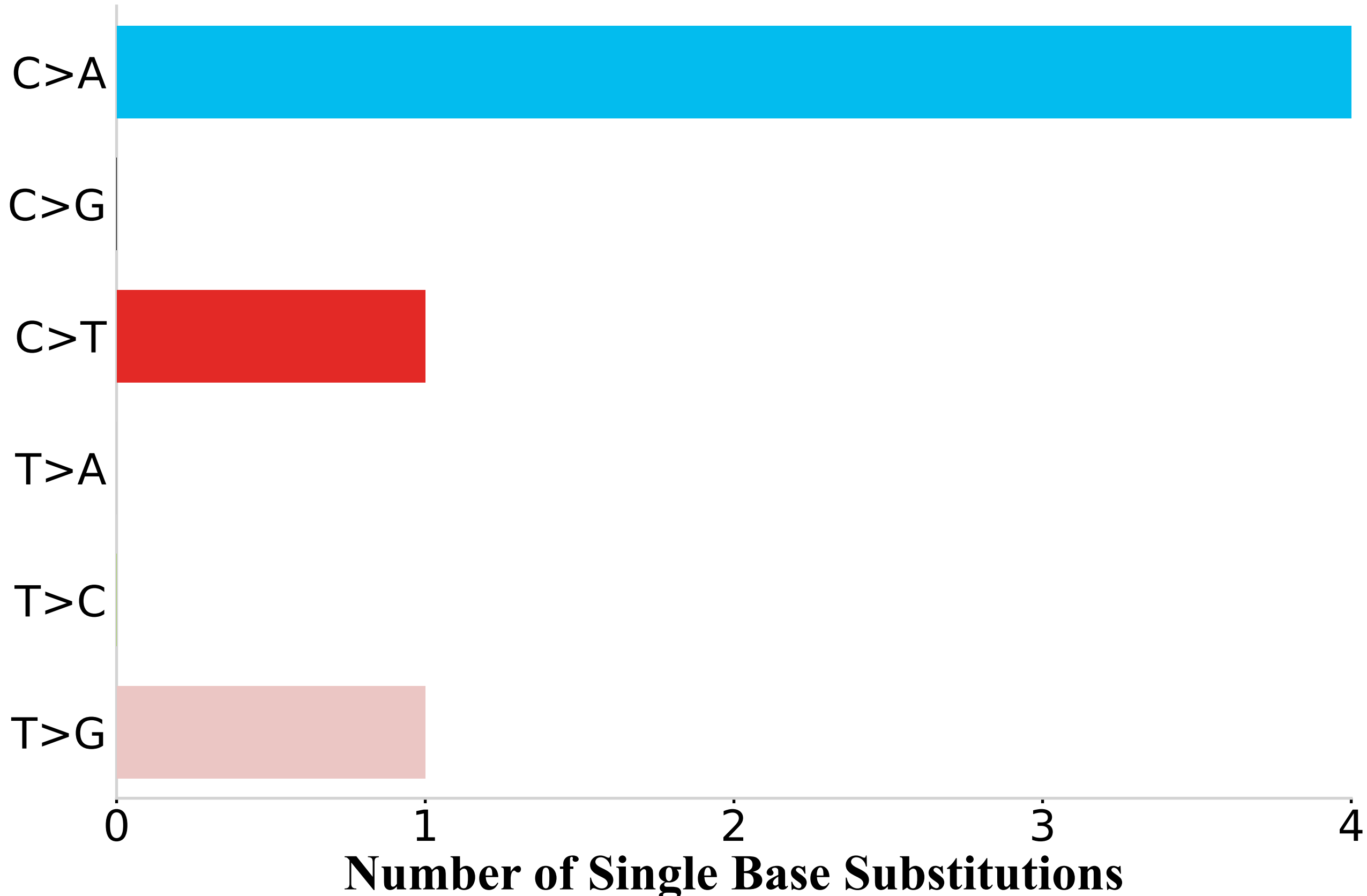
**P-0017630-T02-IM6: 1 subs**



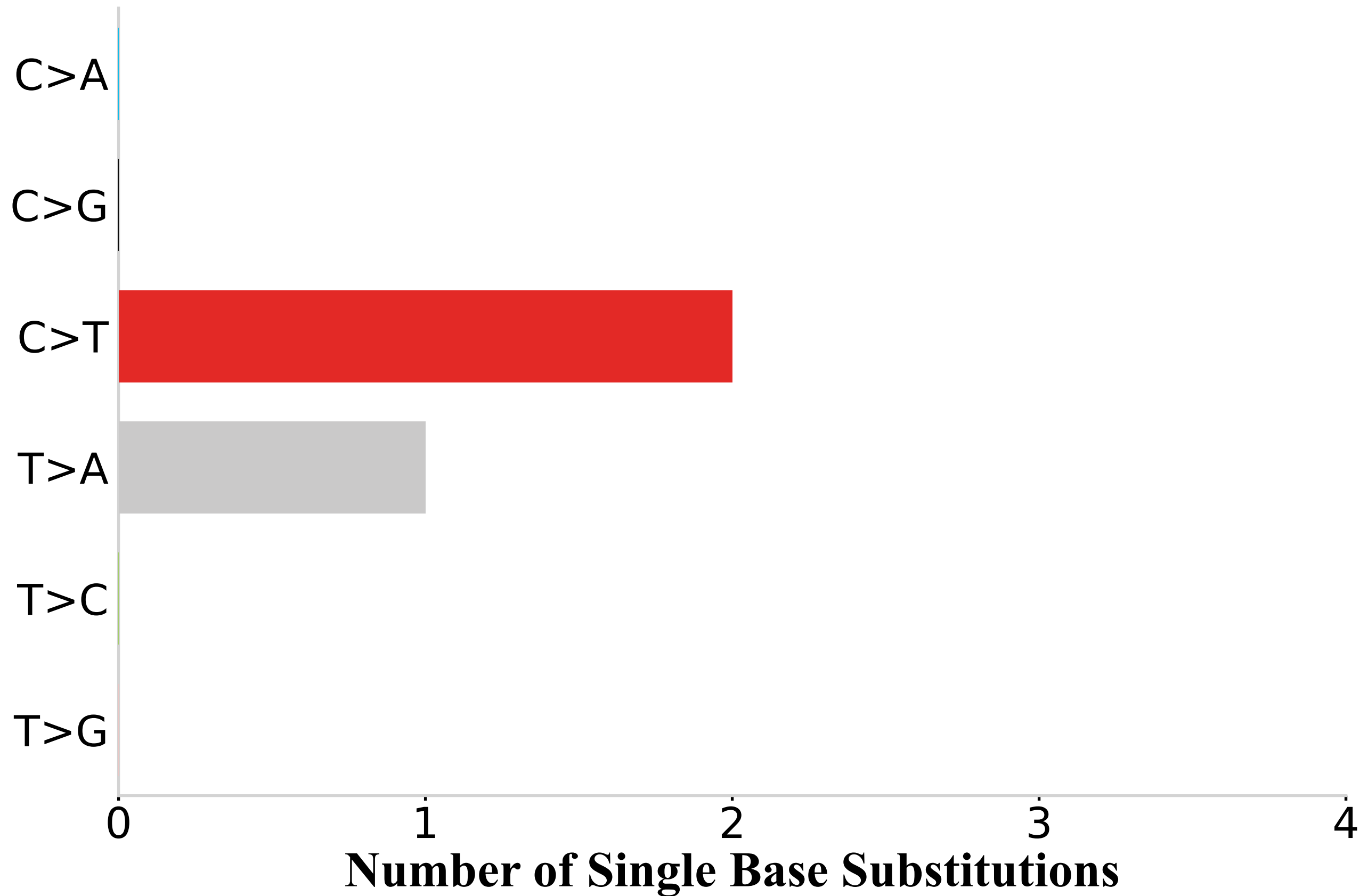
**P-0017698-T02-IM6: 4 subs**



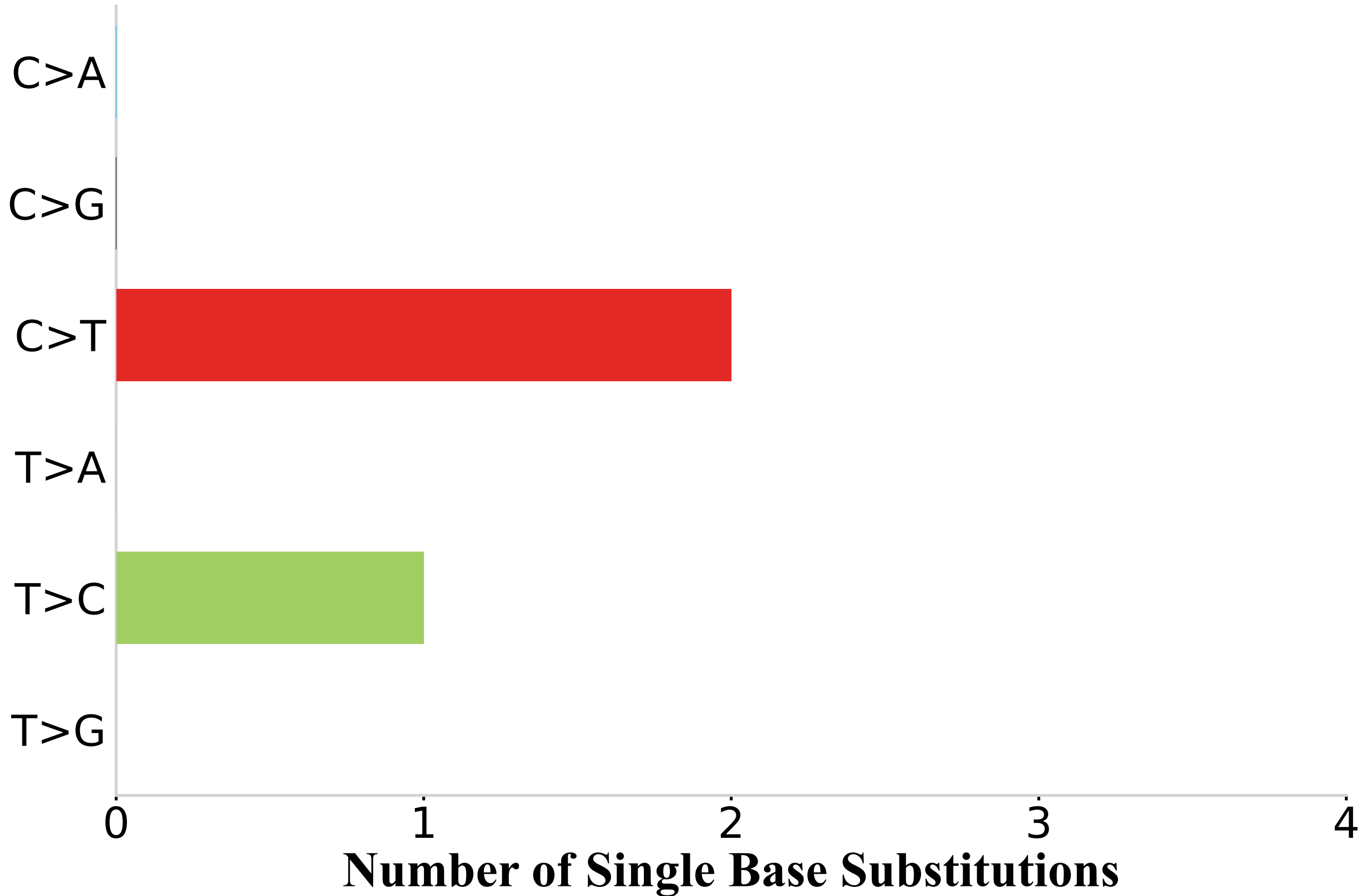
**P-0017715-T01-IM6: 6 subs**



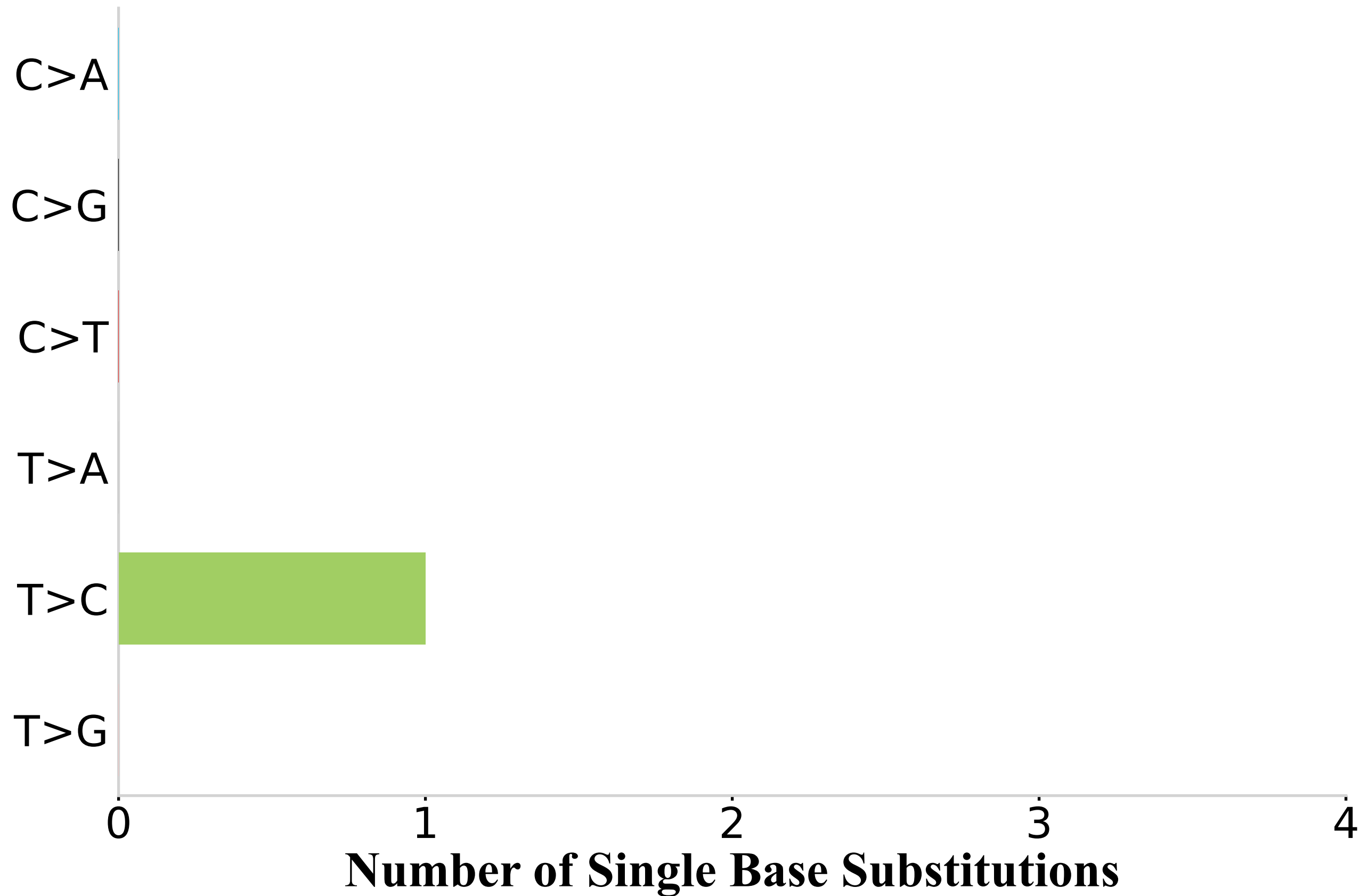
**P-0017748-T01-IM6: 3 subs**



**P-0017908-T01-IM6: 3 subs**

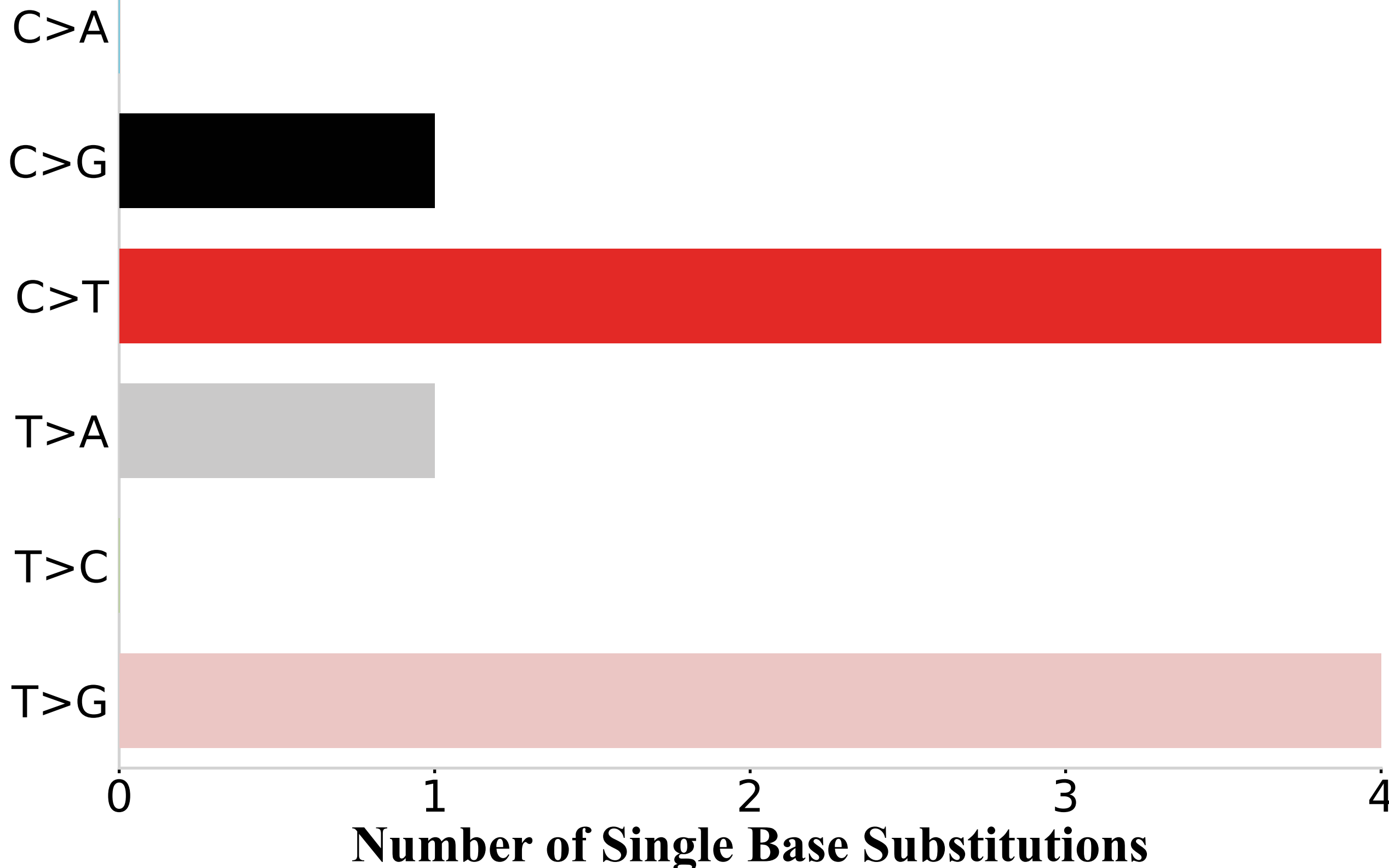


**P-0018657-T01-IM6: 1 subs**

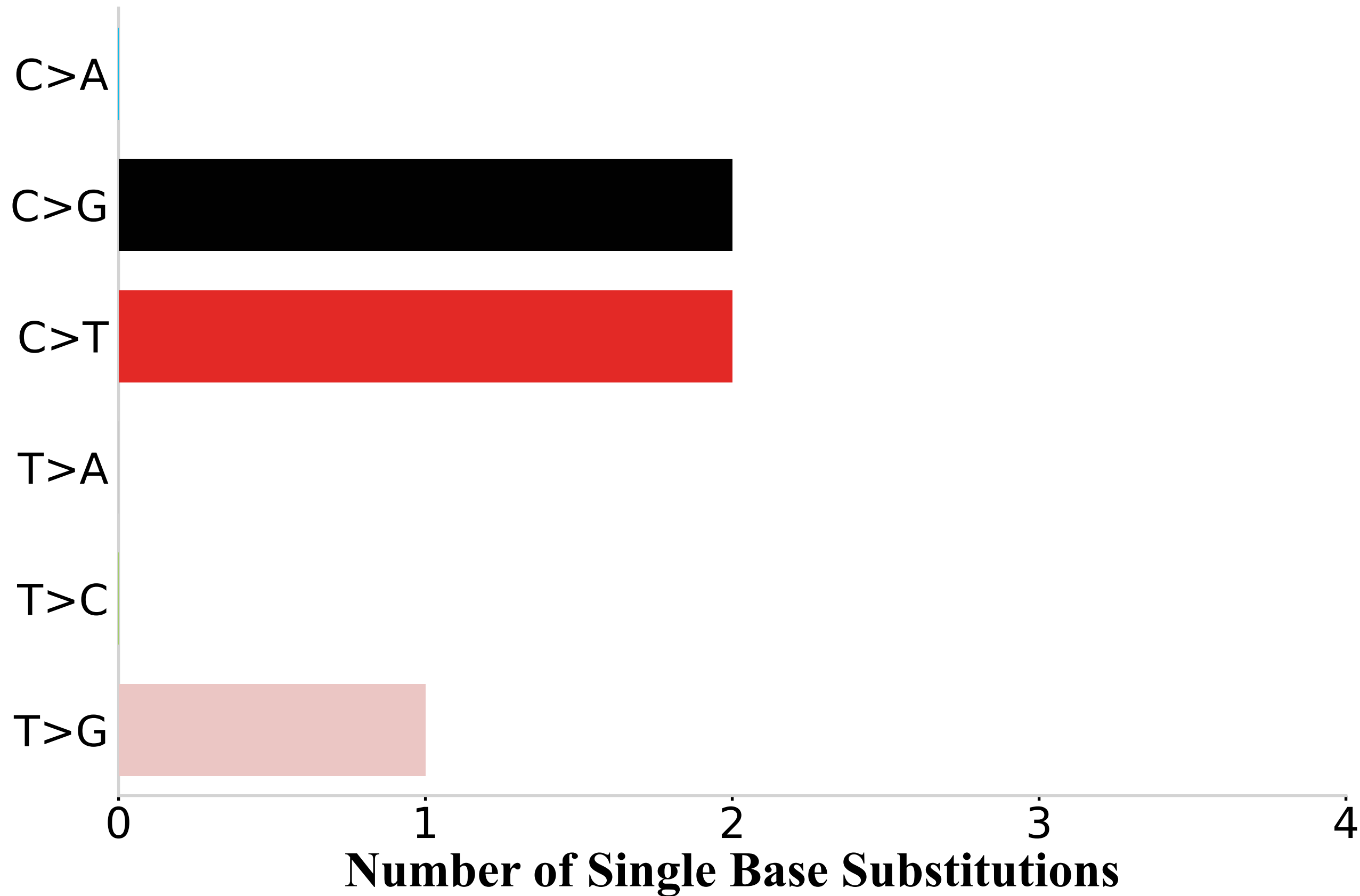




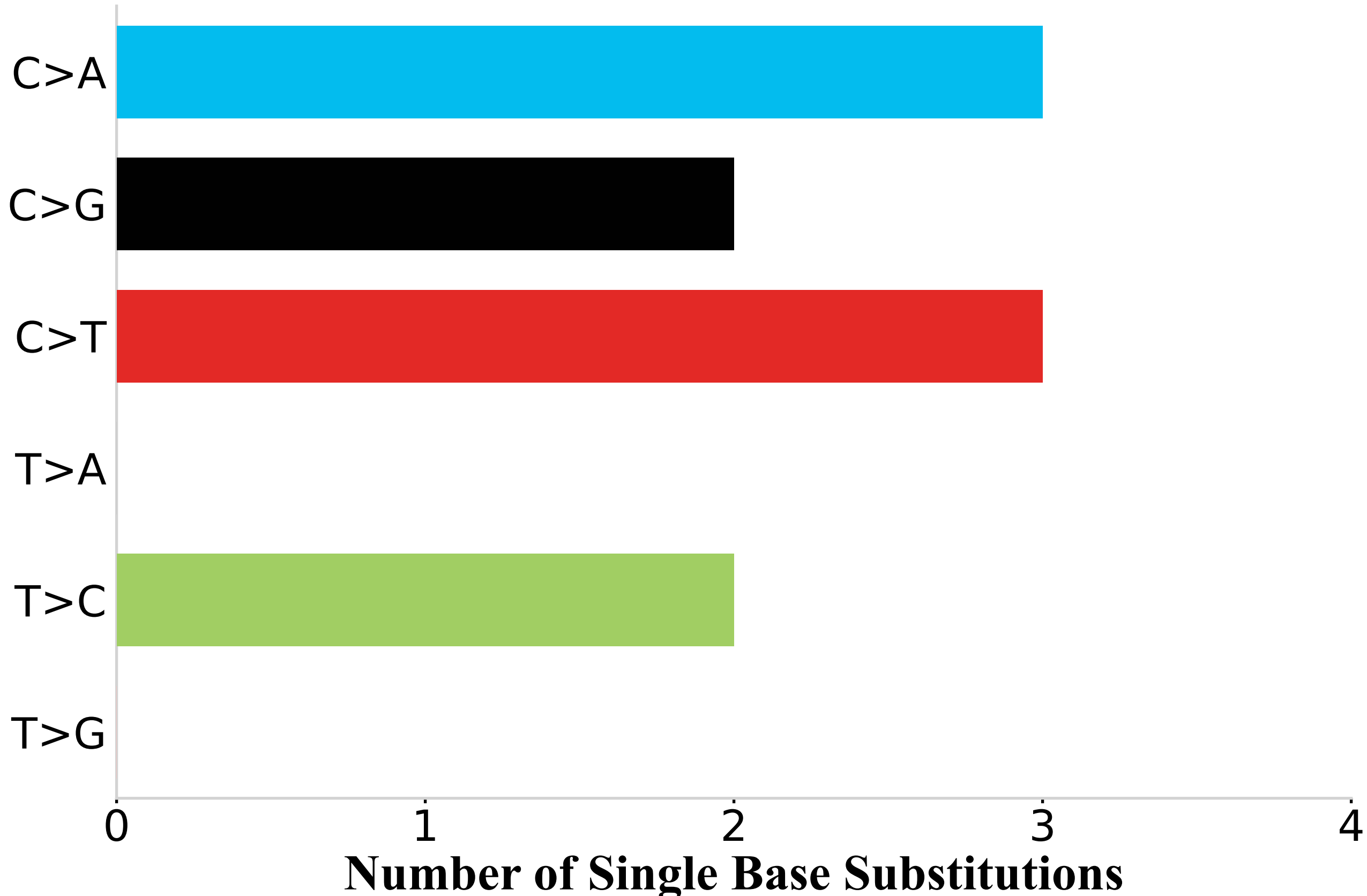
**P-0018788-T01-IM6: 10 subs**



**P-0019058-T01-IM6: 5 subs**



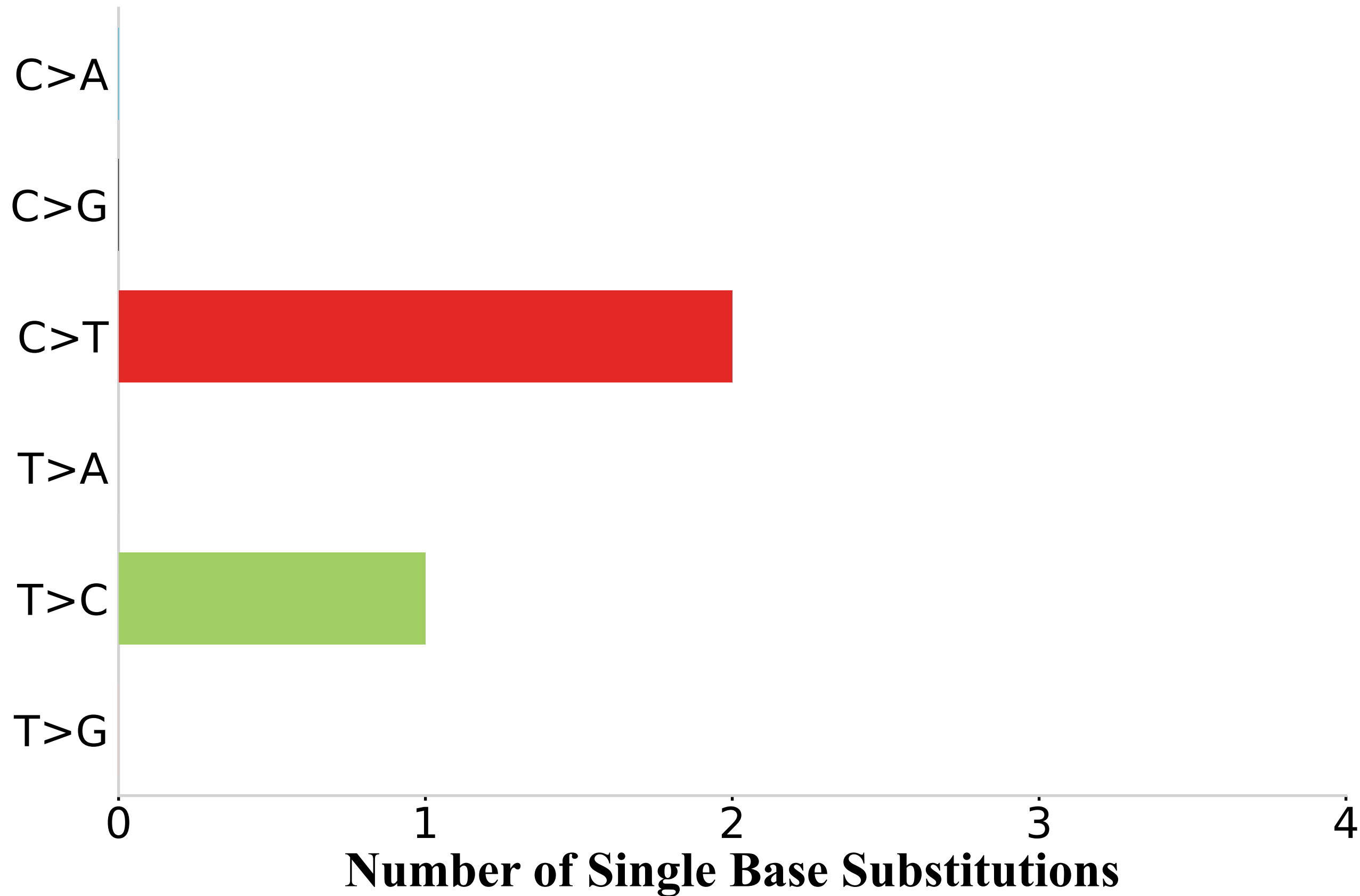
**P-0019238-T01-IM6: 10 subs**



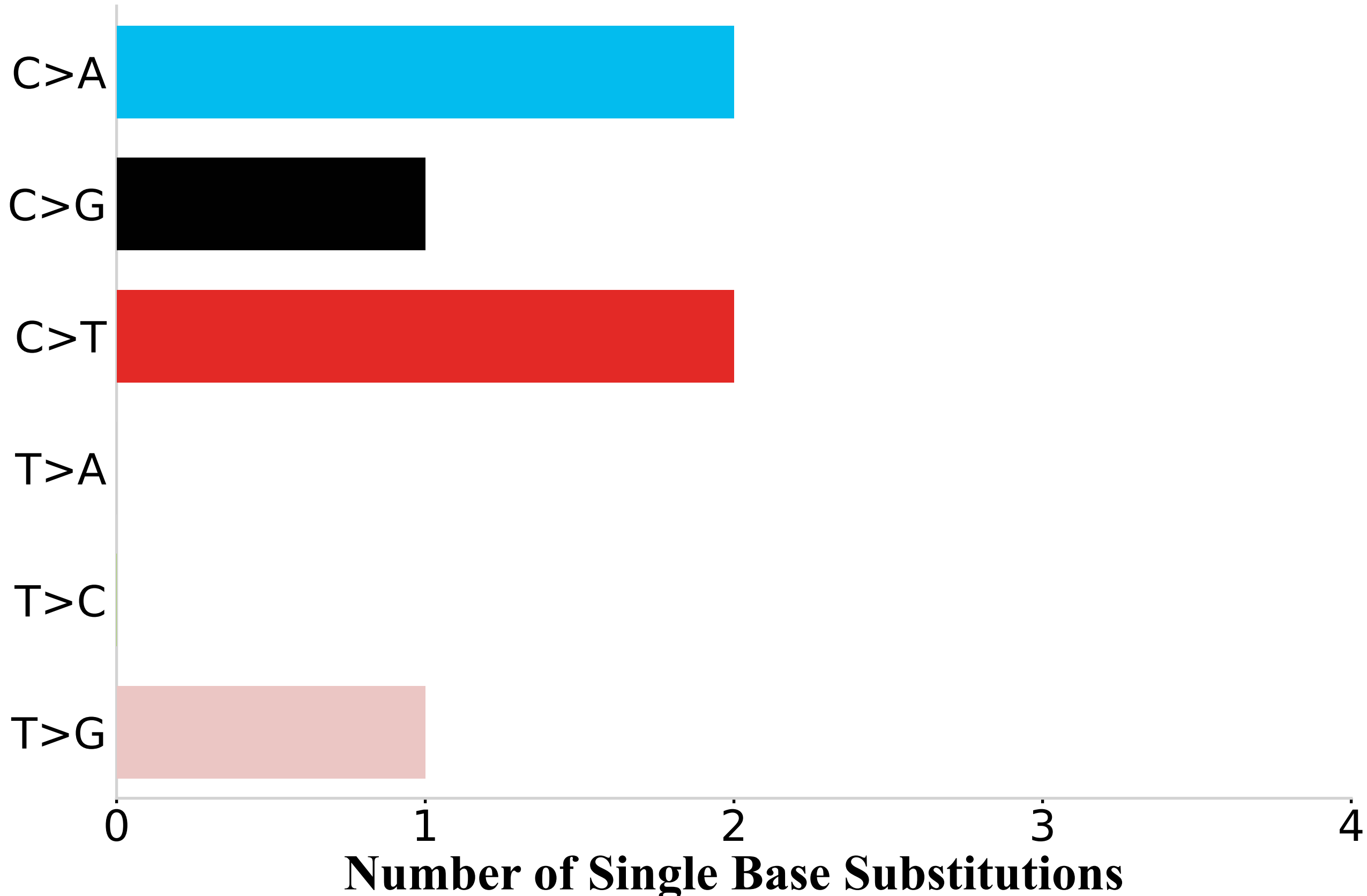
**P-0019283-T01-IM6: 1 subs**



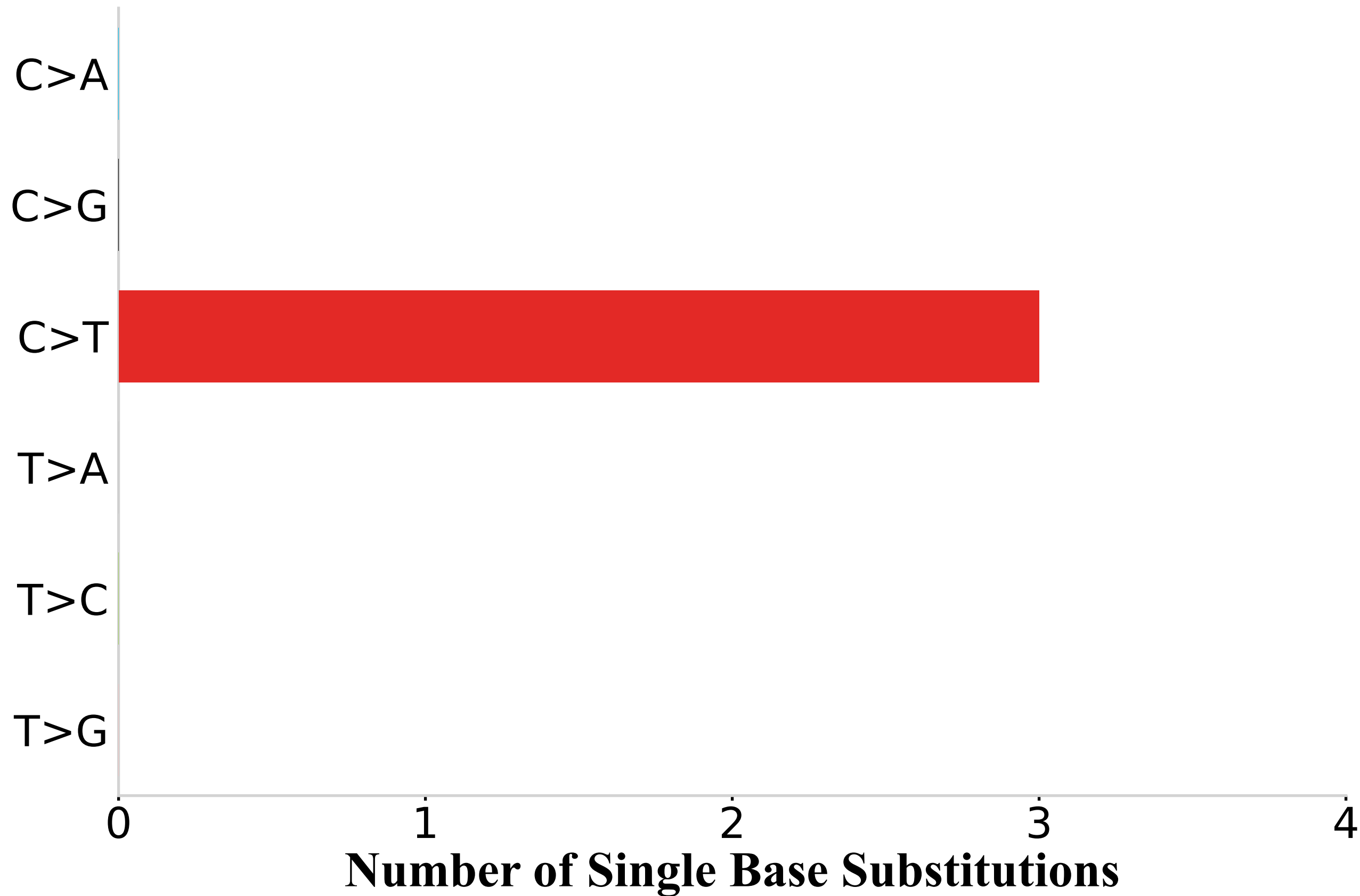
**P-0019613-T01-IM6: 3 subs**



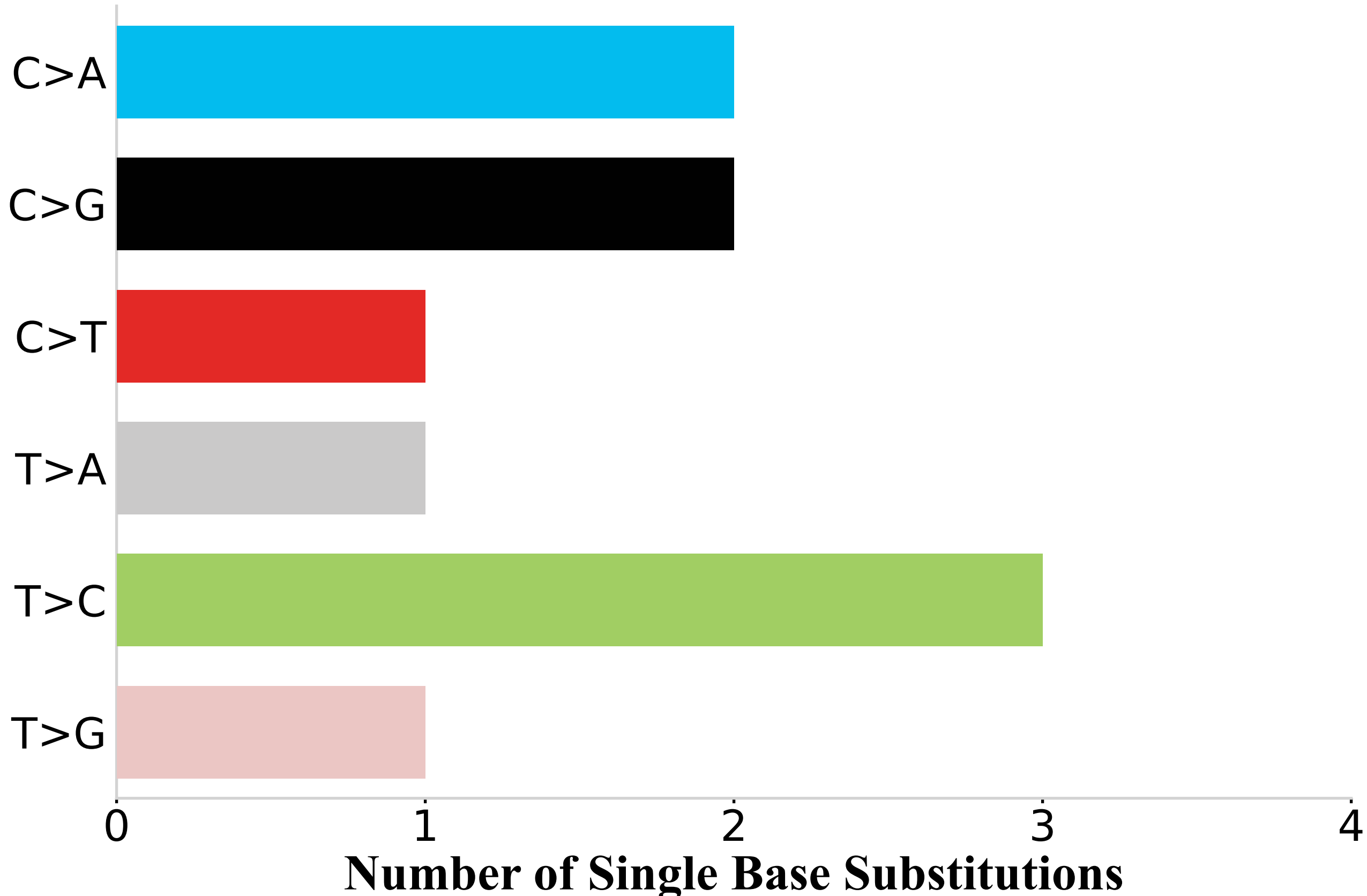
**P-0019614-T01-IM6: 6 subs**



**P-0019616-T01-IM6: 3 subs**

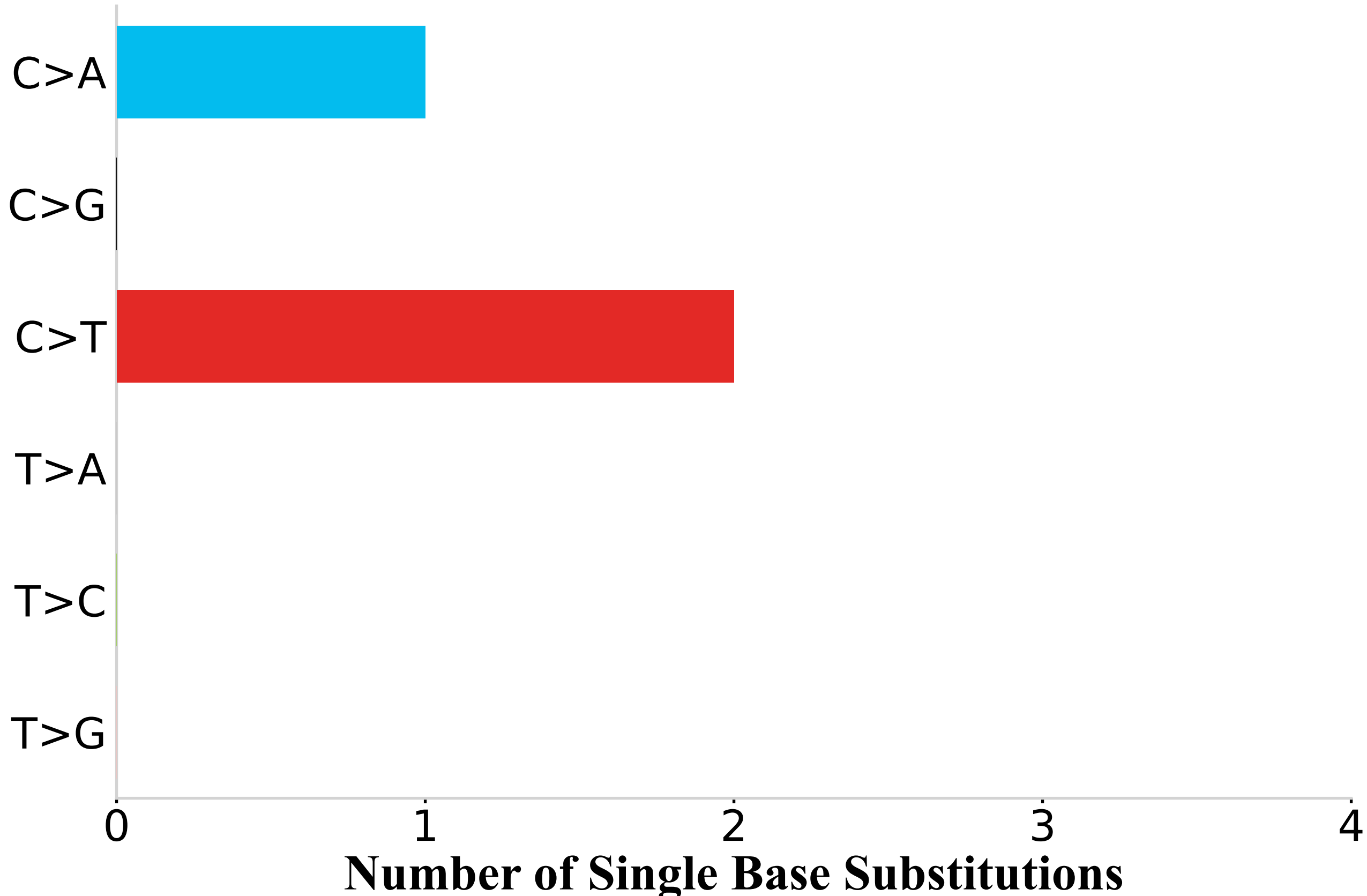


**P-0020304-T01-IM6: 10 subs**

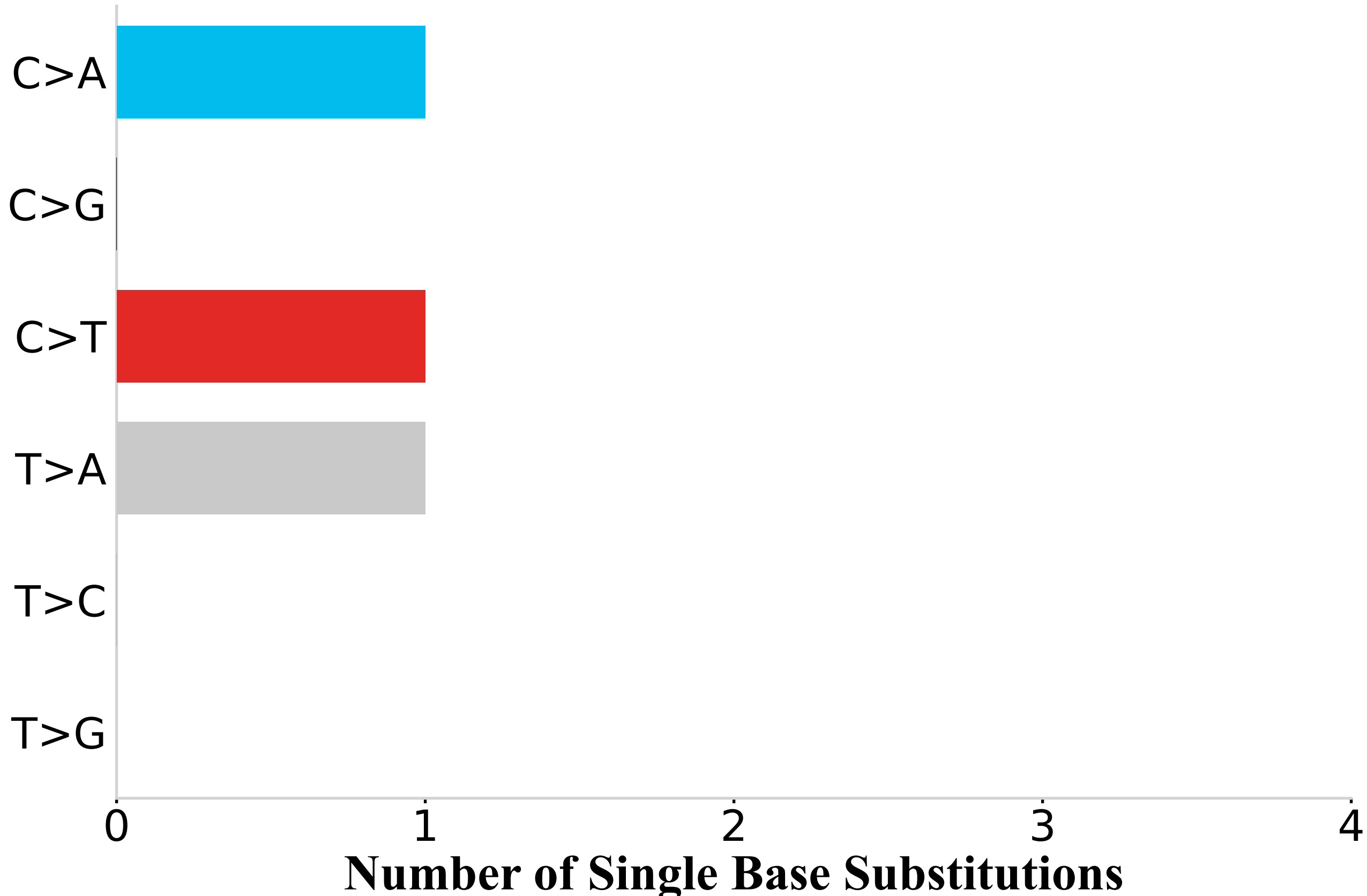




**P-0020359-T01-IM6: 3 subs**



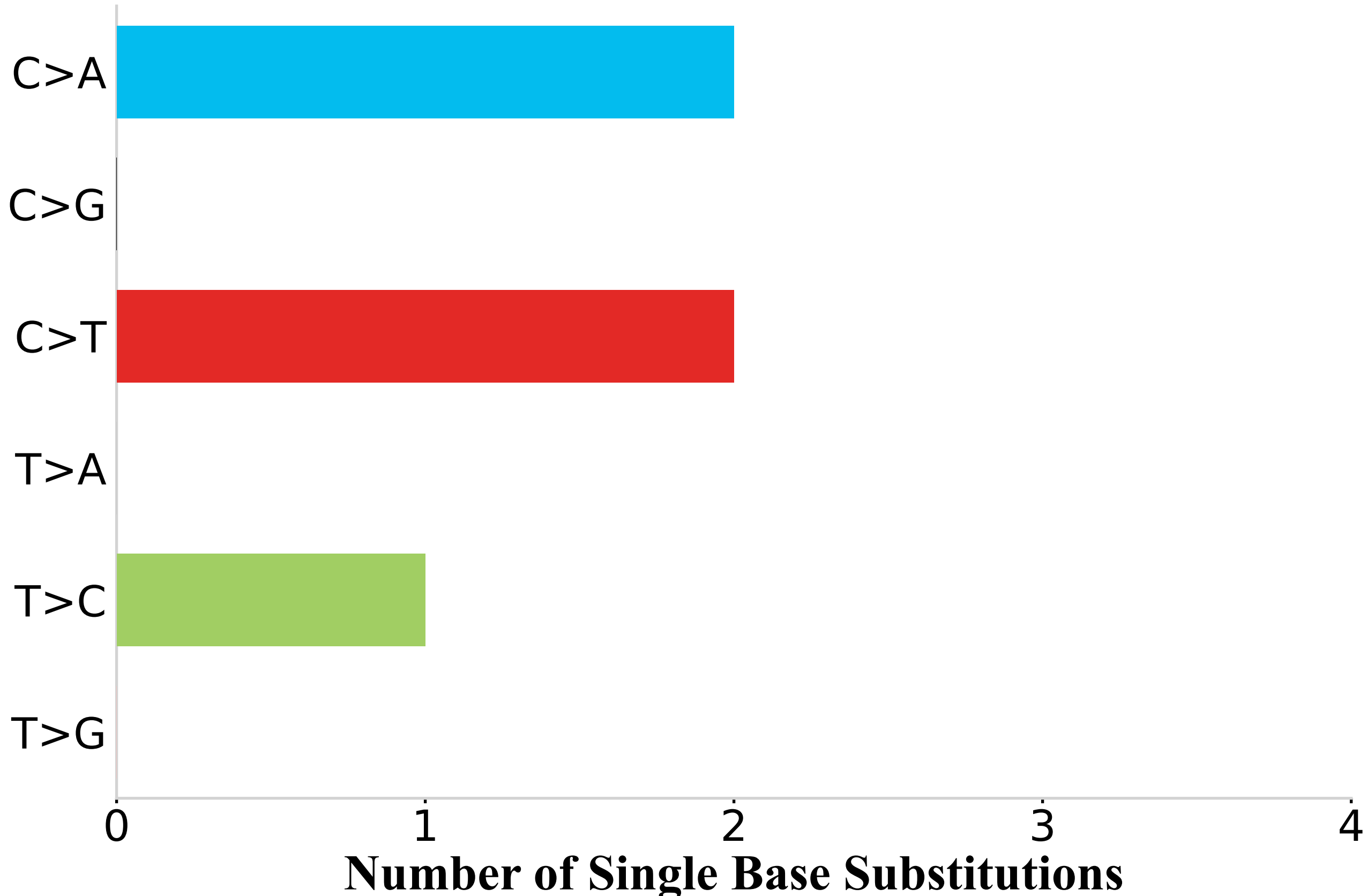
**P-0020428-T01-IM6: 3 subs**



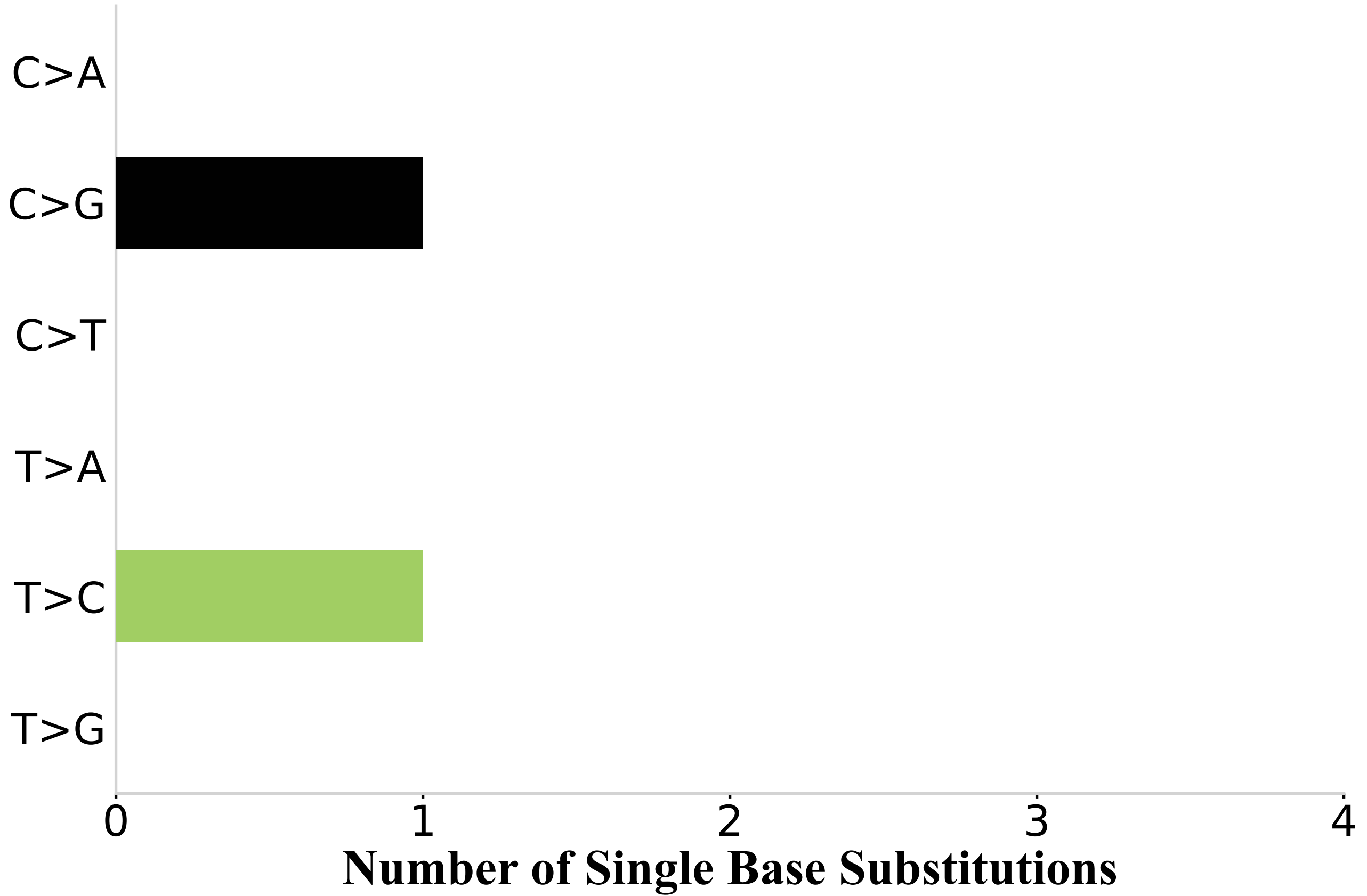
**P-0020620-T01-IM6: 1 subs**



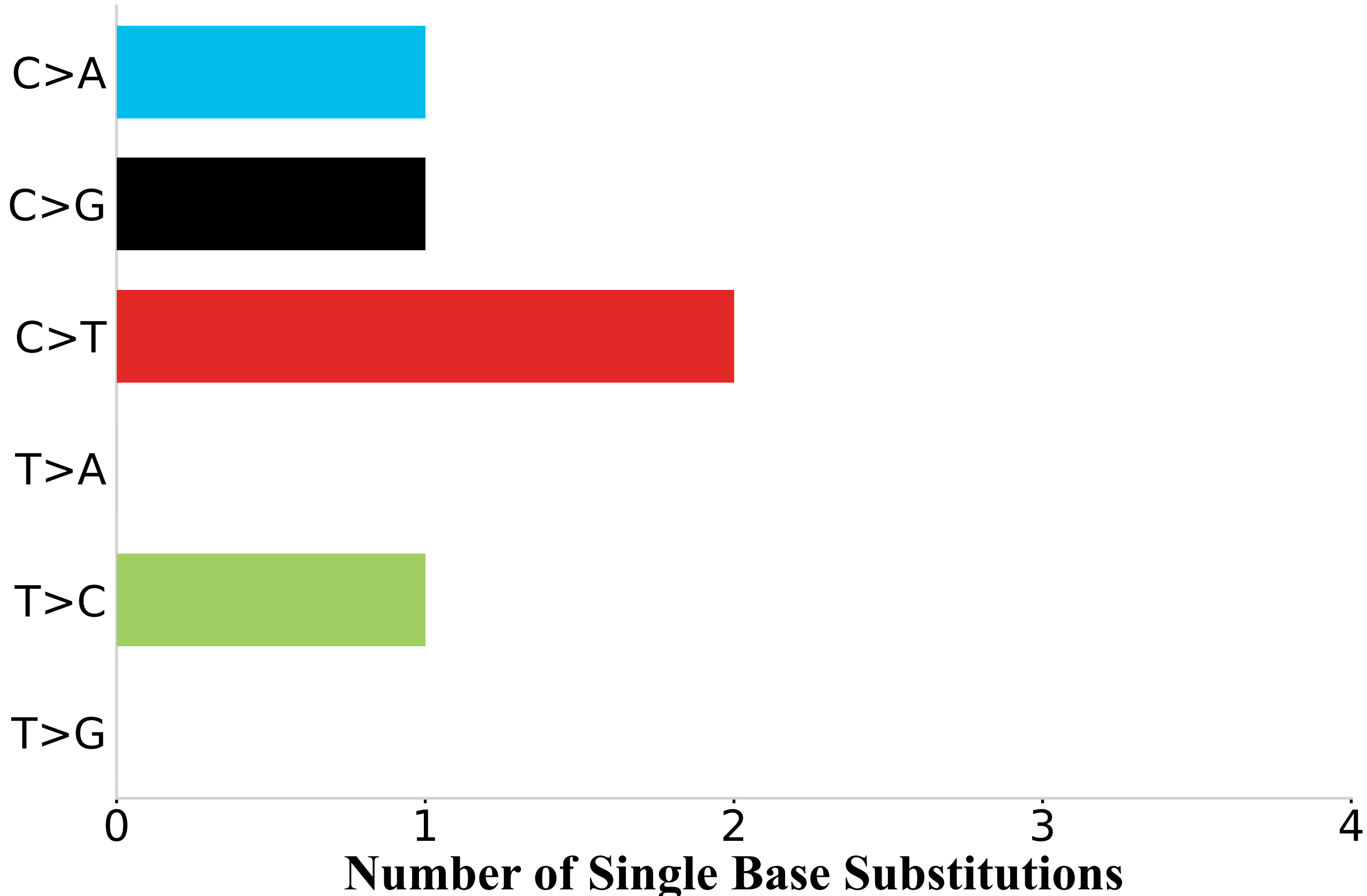
**P-0020720-T01-IM6: 5 subs**



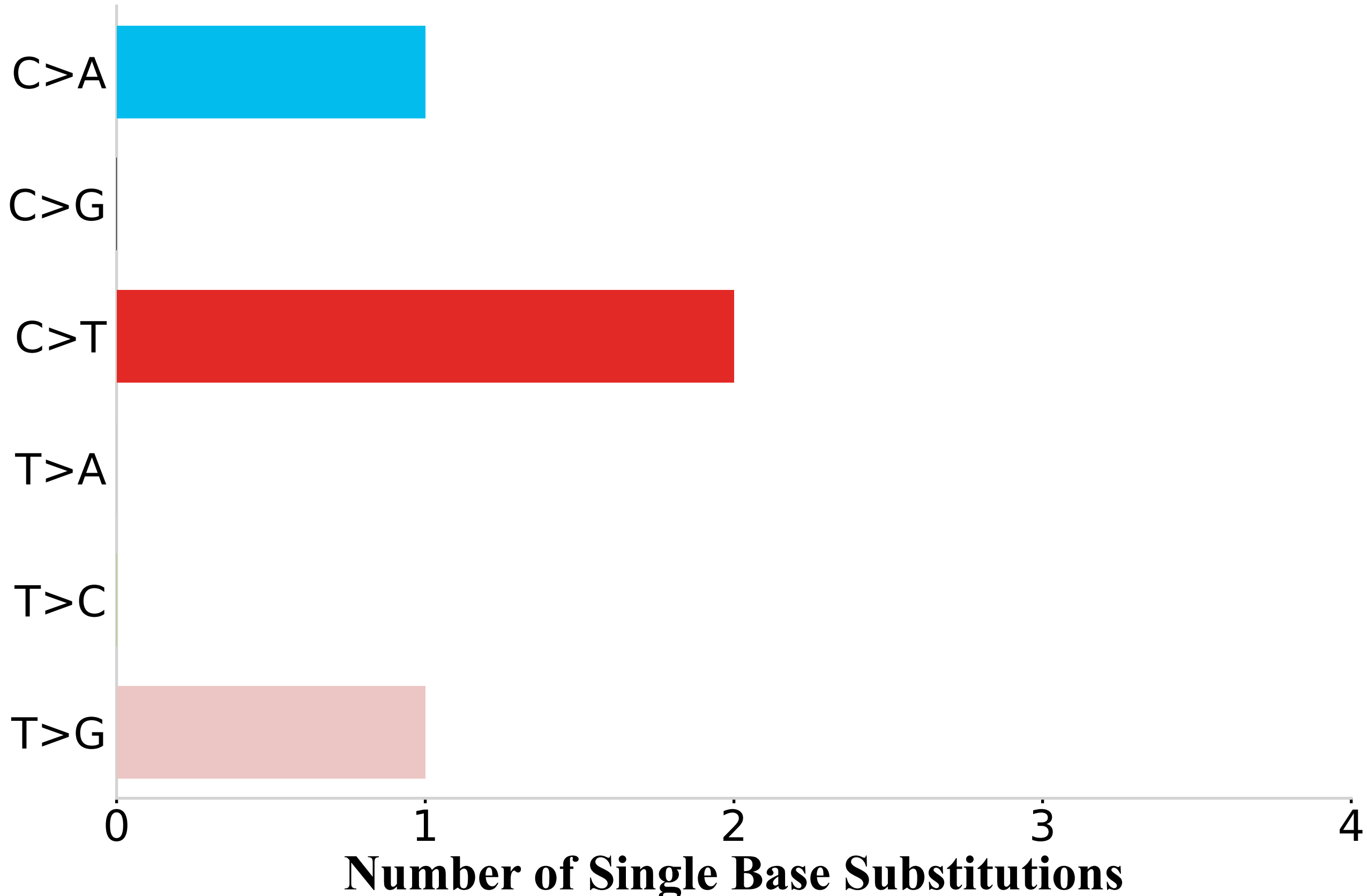
**P-0020910-T01-IM6: 2 subs**



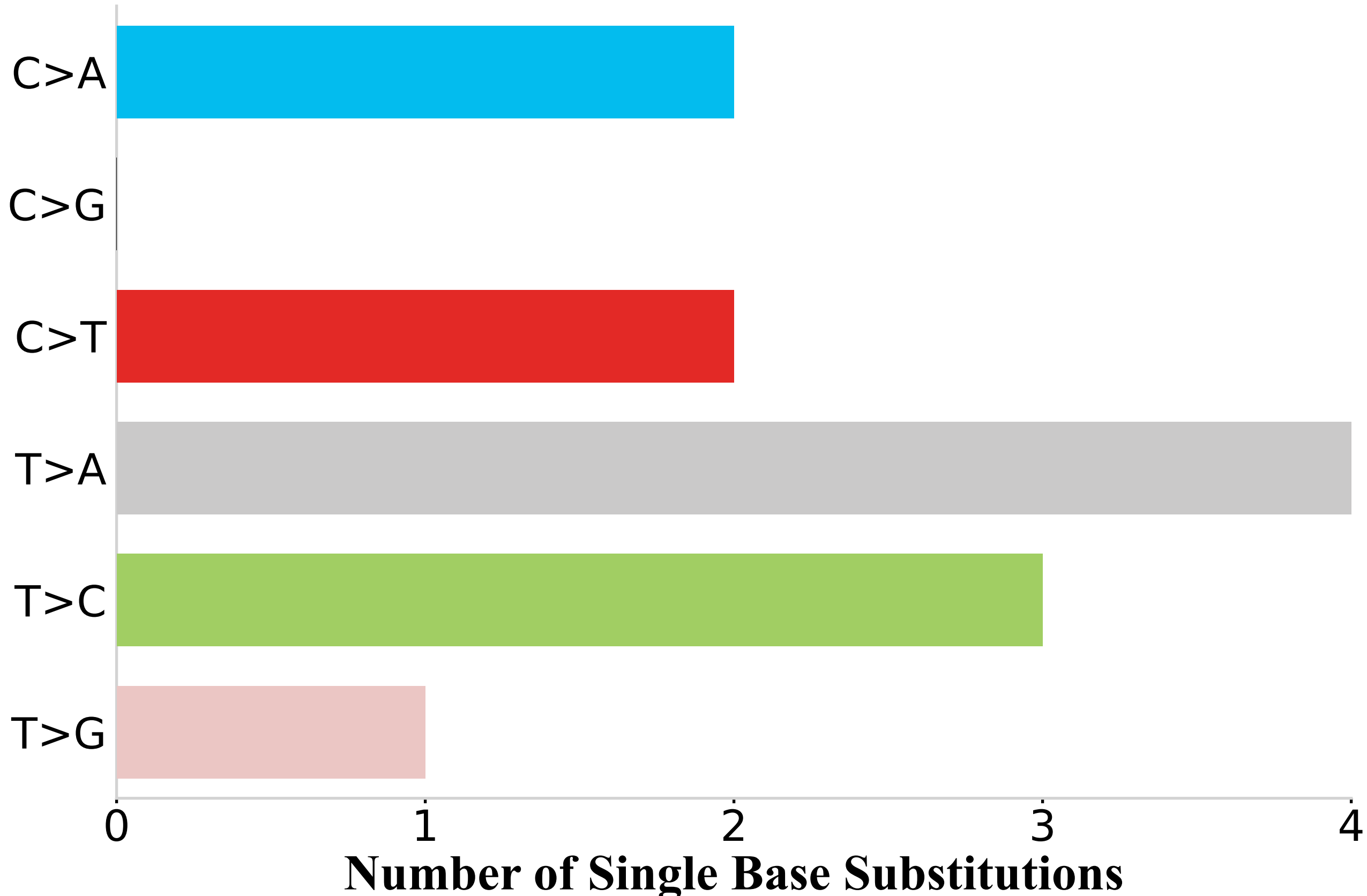
**P-0020987-T01-IM6: 5 subs**



**P-0021001-T01-IM6: 4 subs**

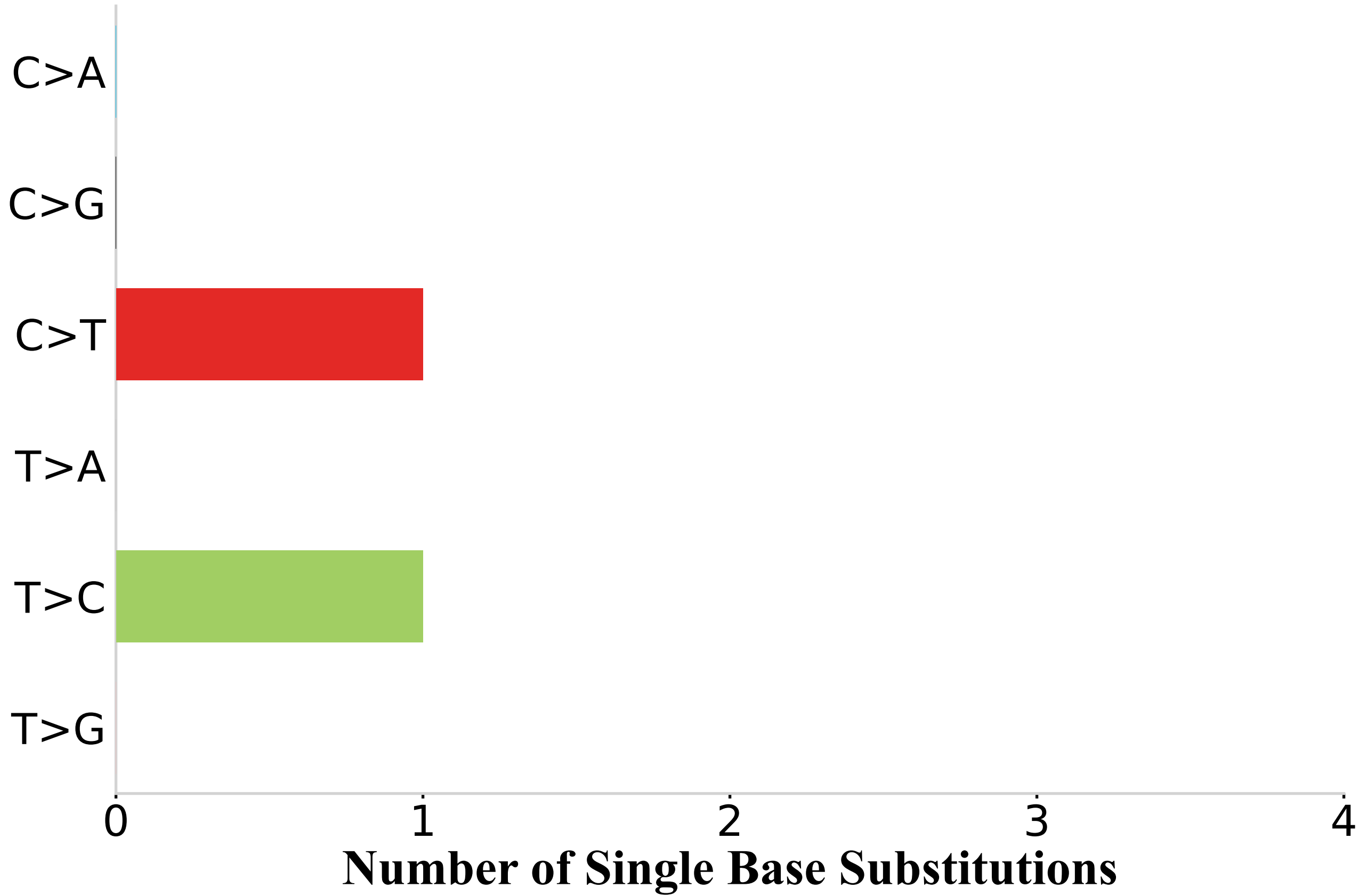


**P-0021059-T01-IM6: 12 subs**

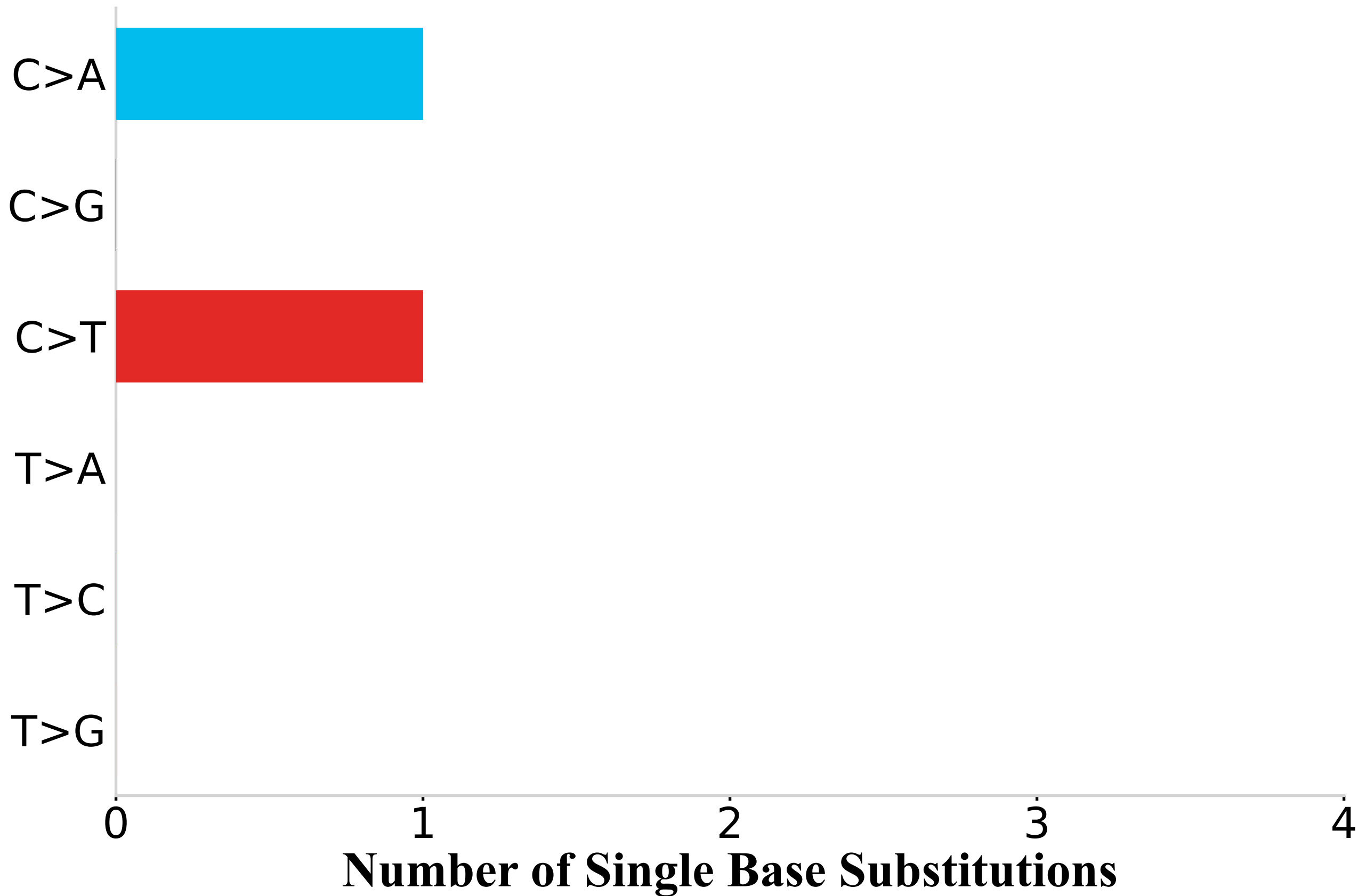




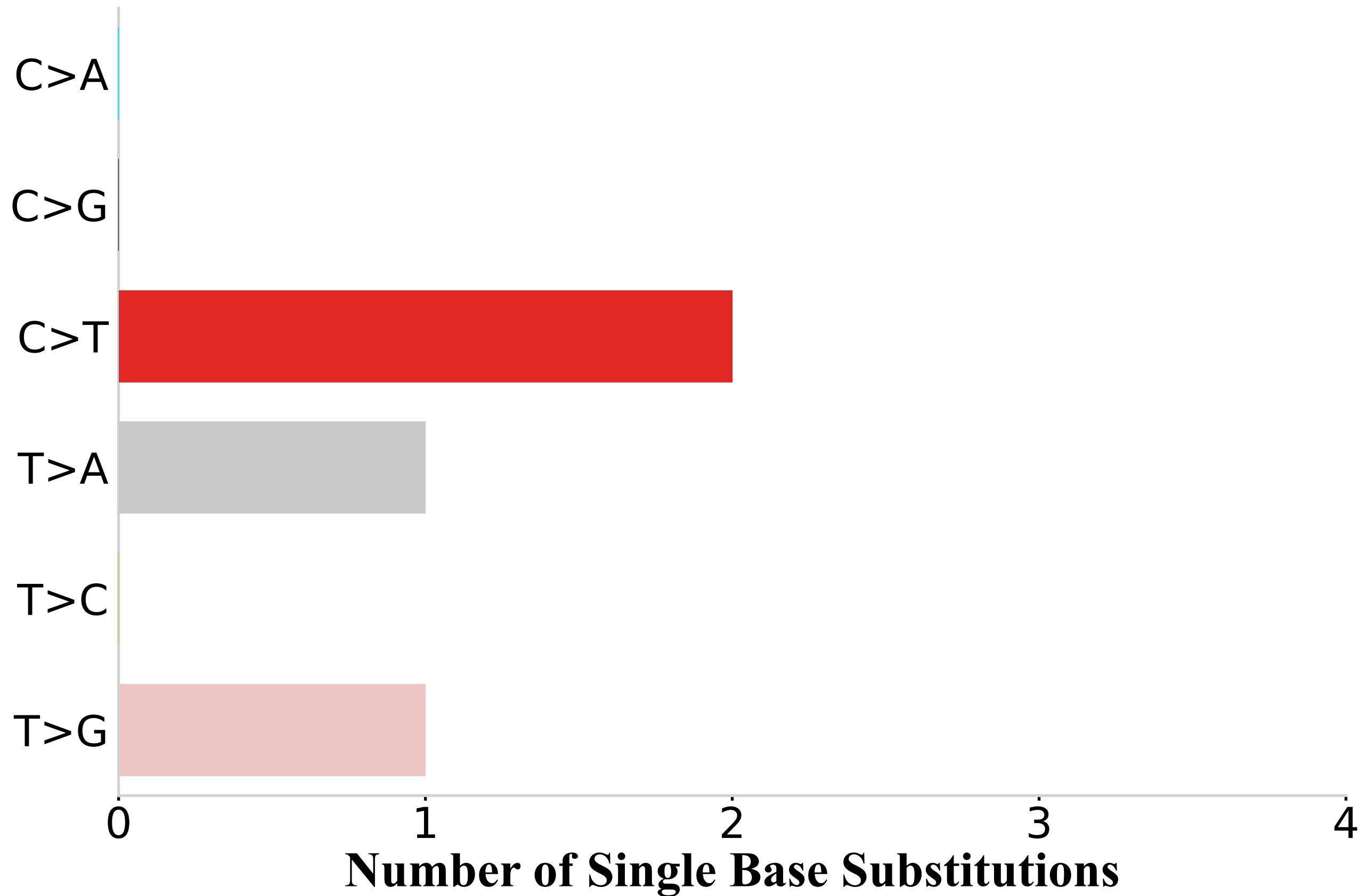
**P-0021288-T01-IM6: 2 subs**



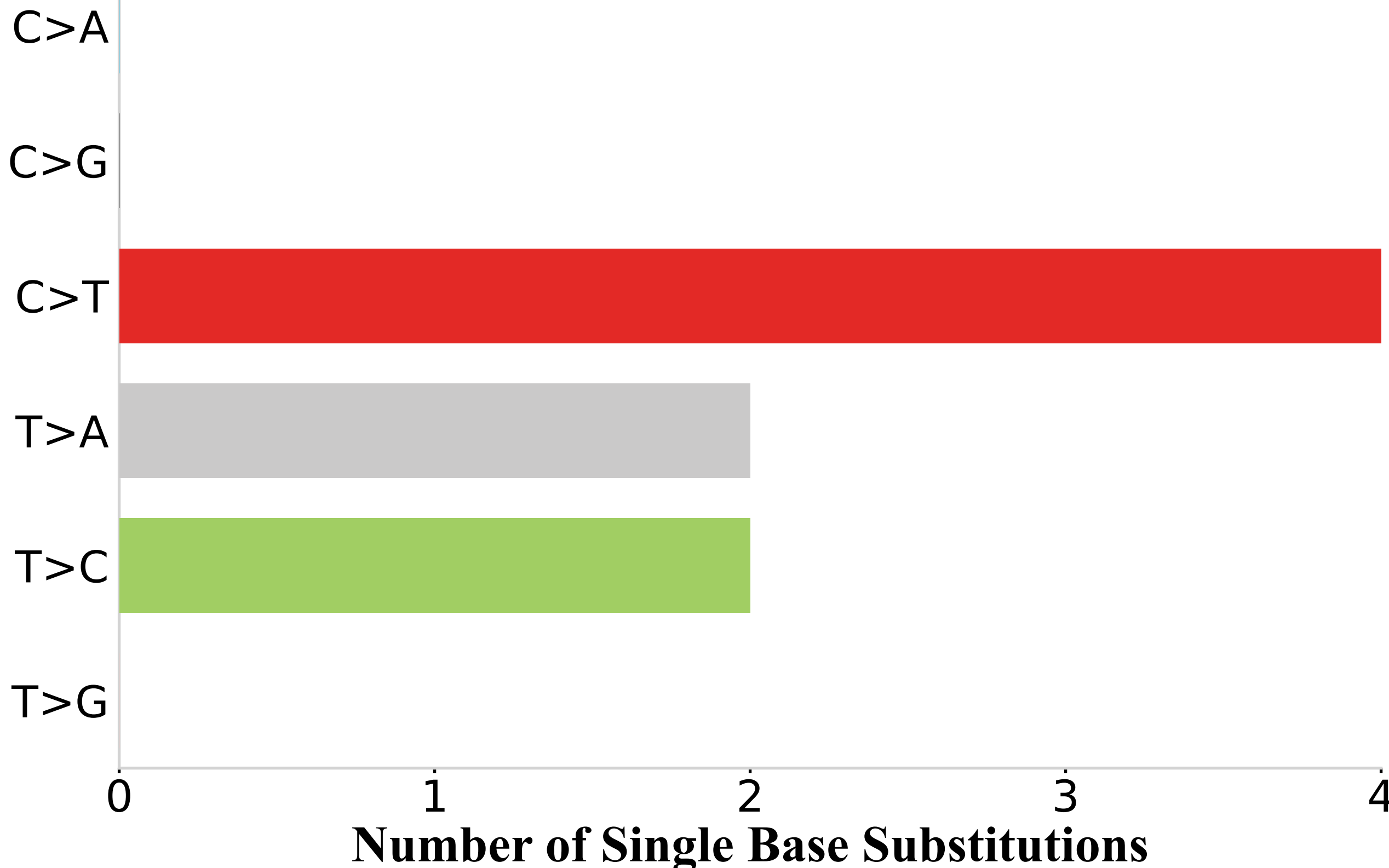
**P-0022348-T01-IM6: 2 subs**



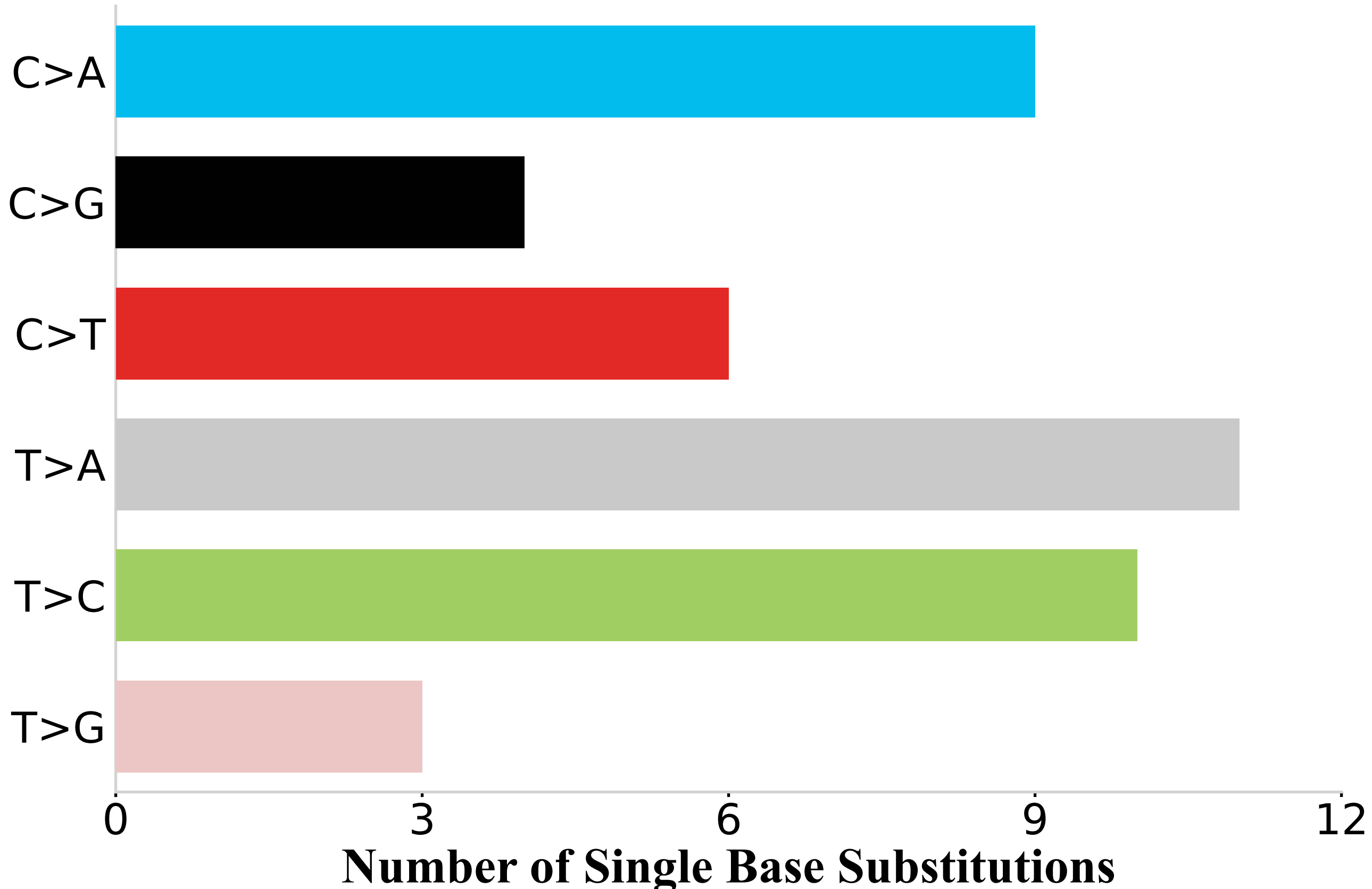
# P-0023554-T01-IM6: 4 subs



**P-0023715-T02-IM6: 8 subs**



**P-0024293-T01-IM6: 43 subs**



**P-0024343-T01-IM6: 3 subs**

C>A

C>G

C>T

T>A

T>C

T>G

0

1

2

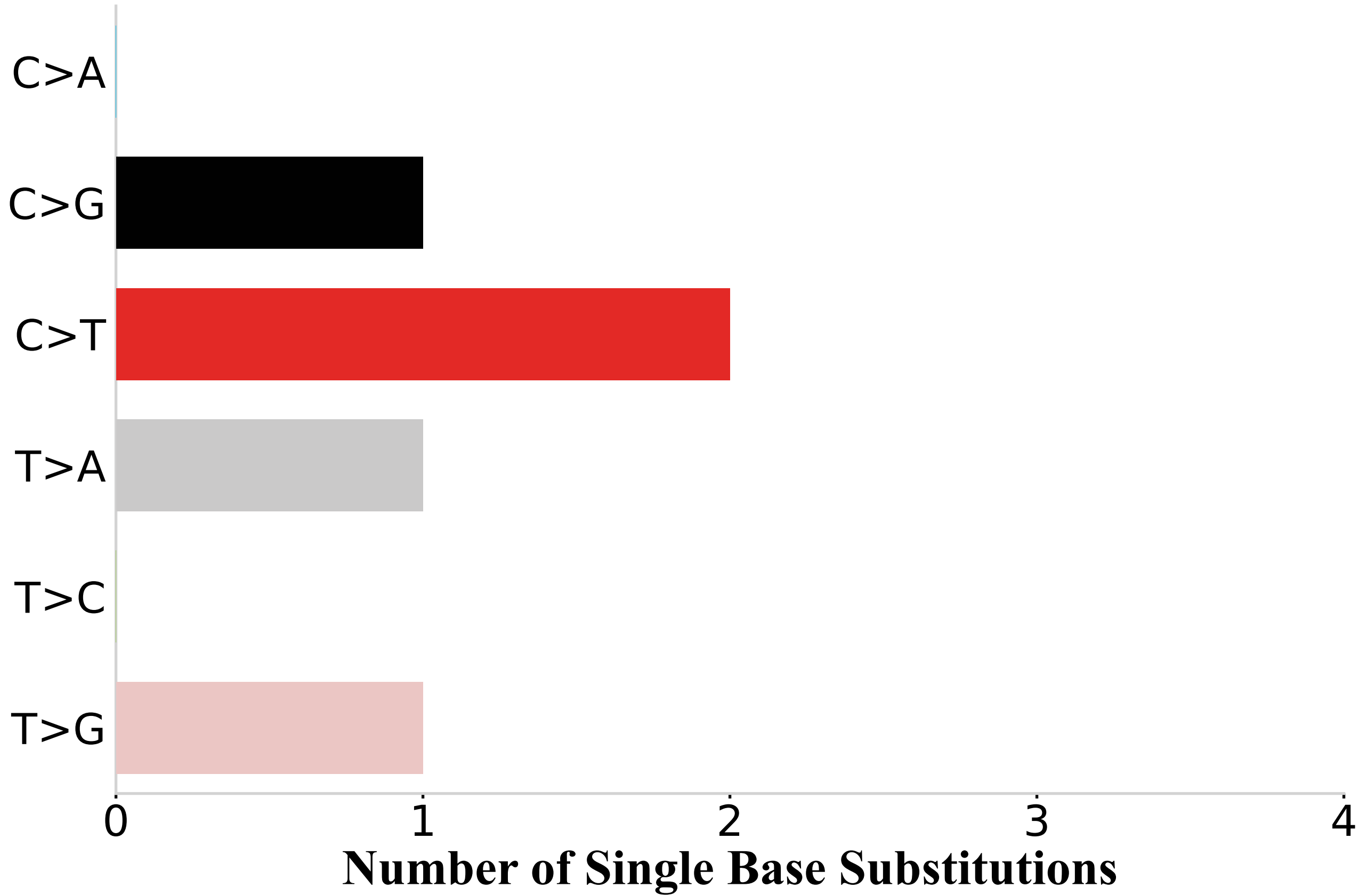
3

4

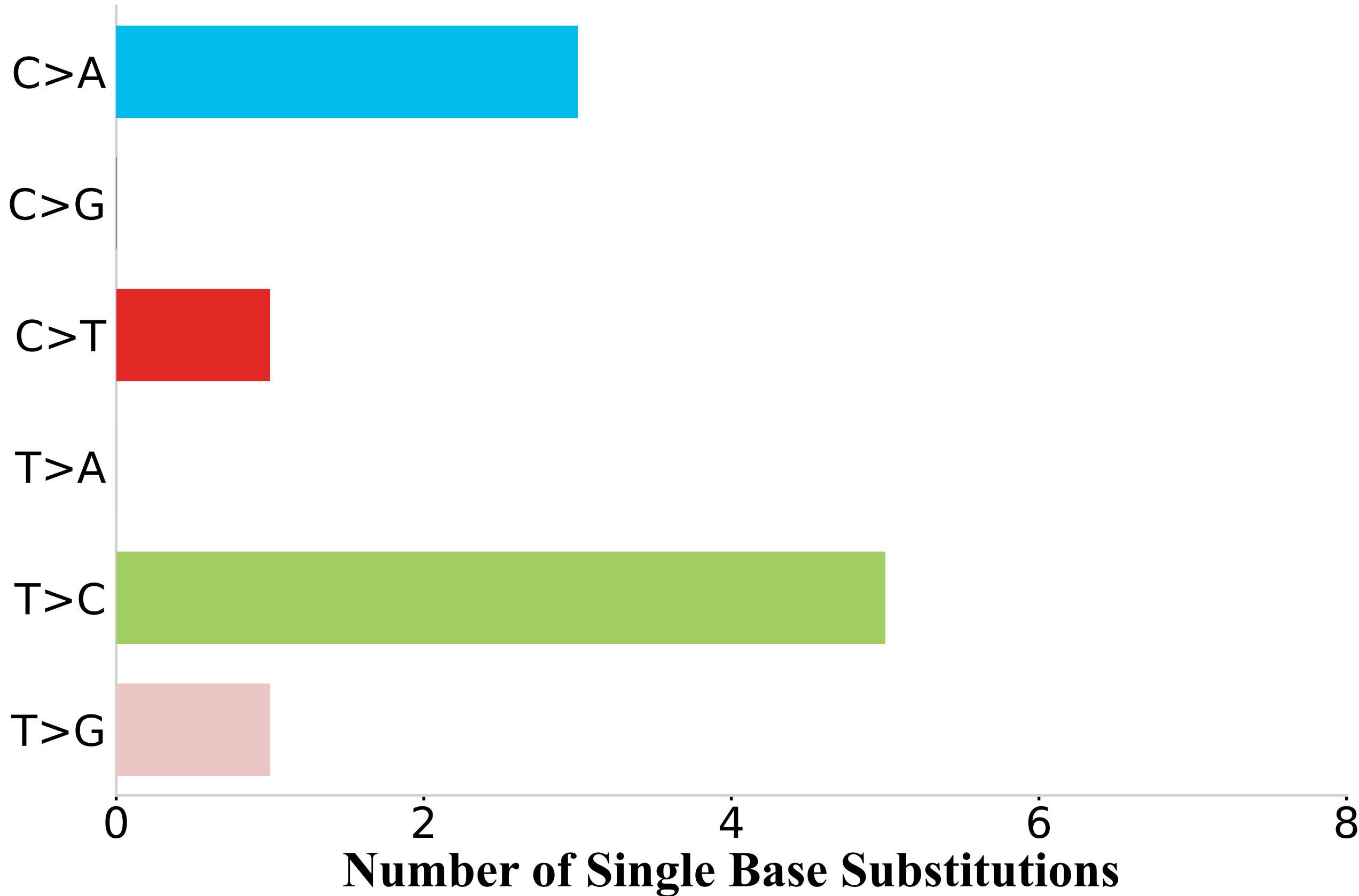
**Number of Single Base Substitutions**



**P-0024611-T01-IM6: 5 subs**

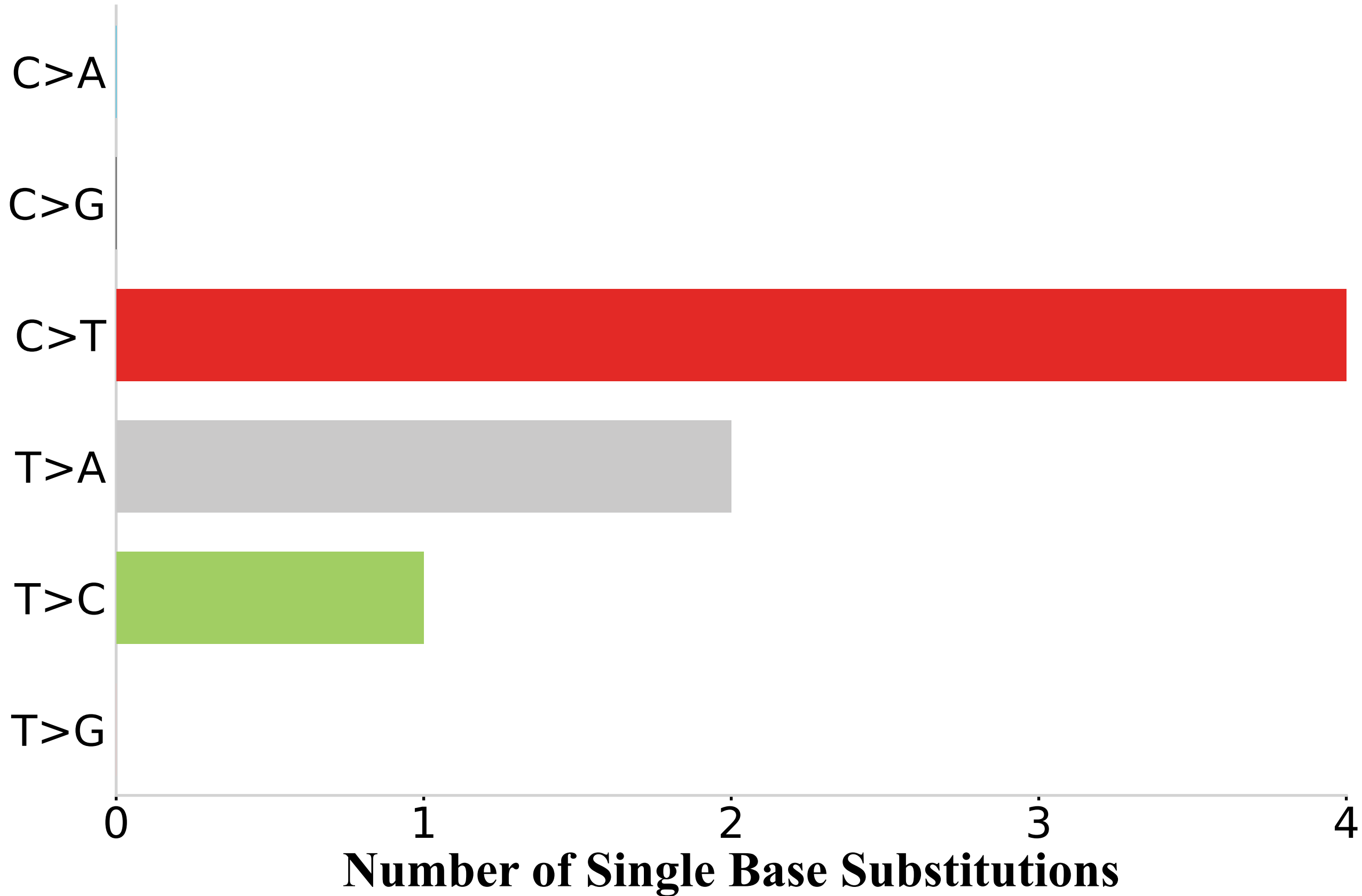


**P-0024663-T01-IM6: 10 subs**

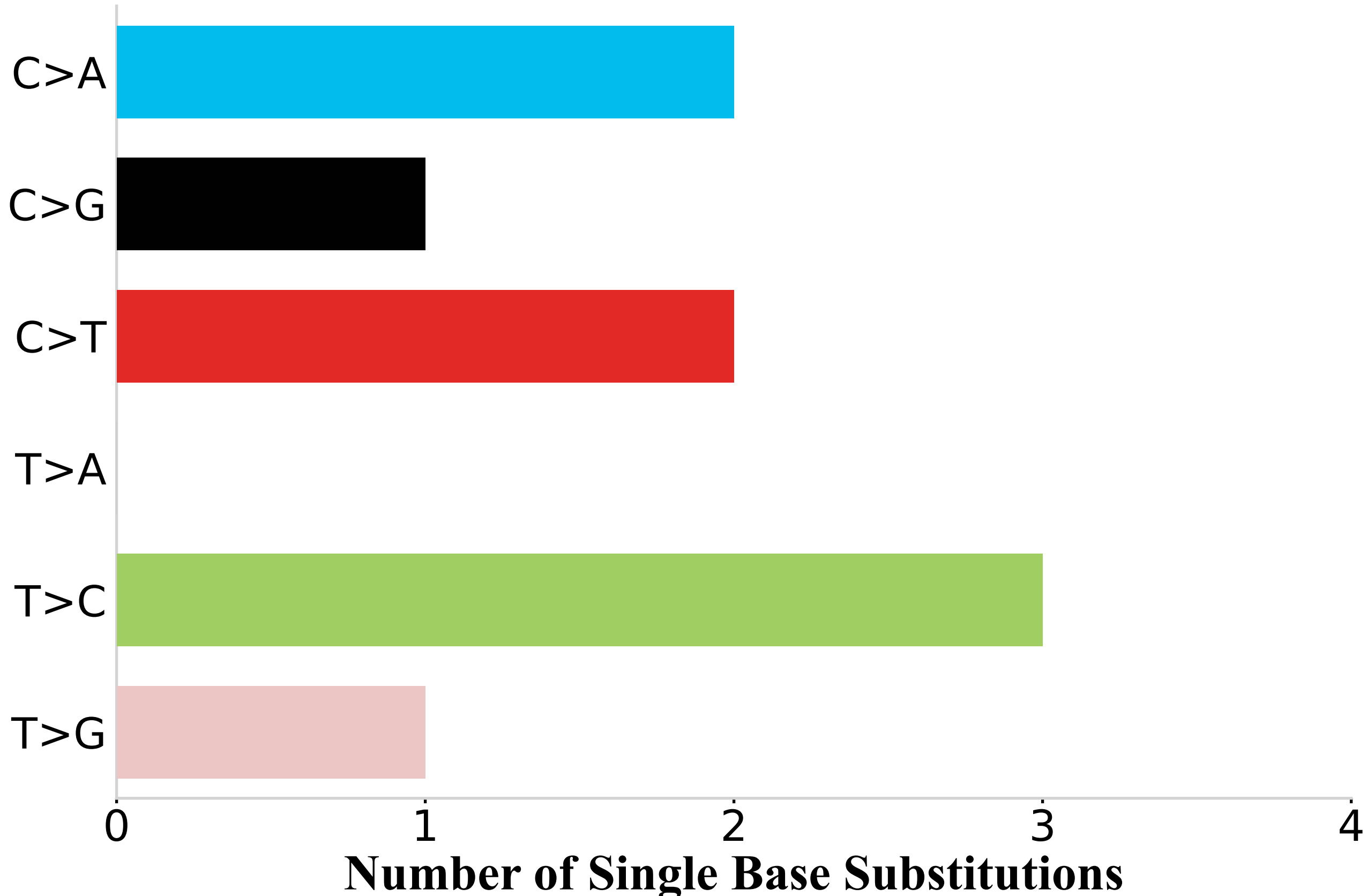




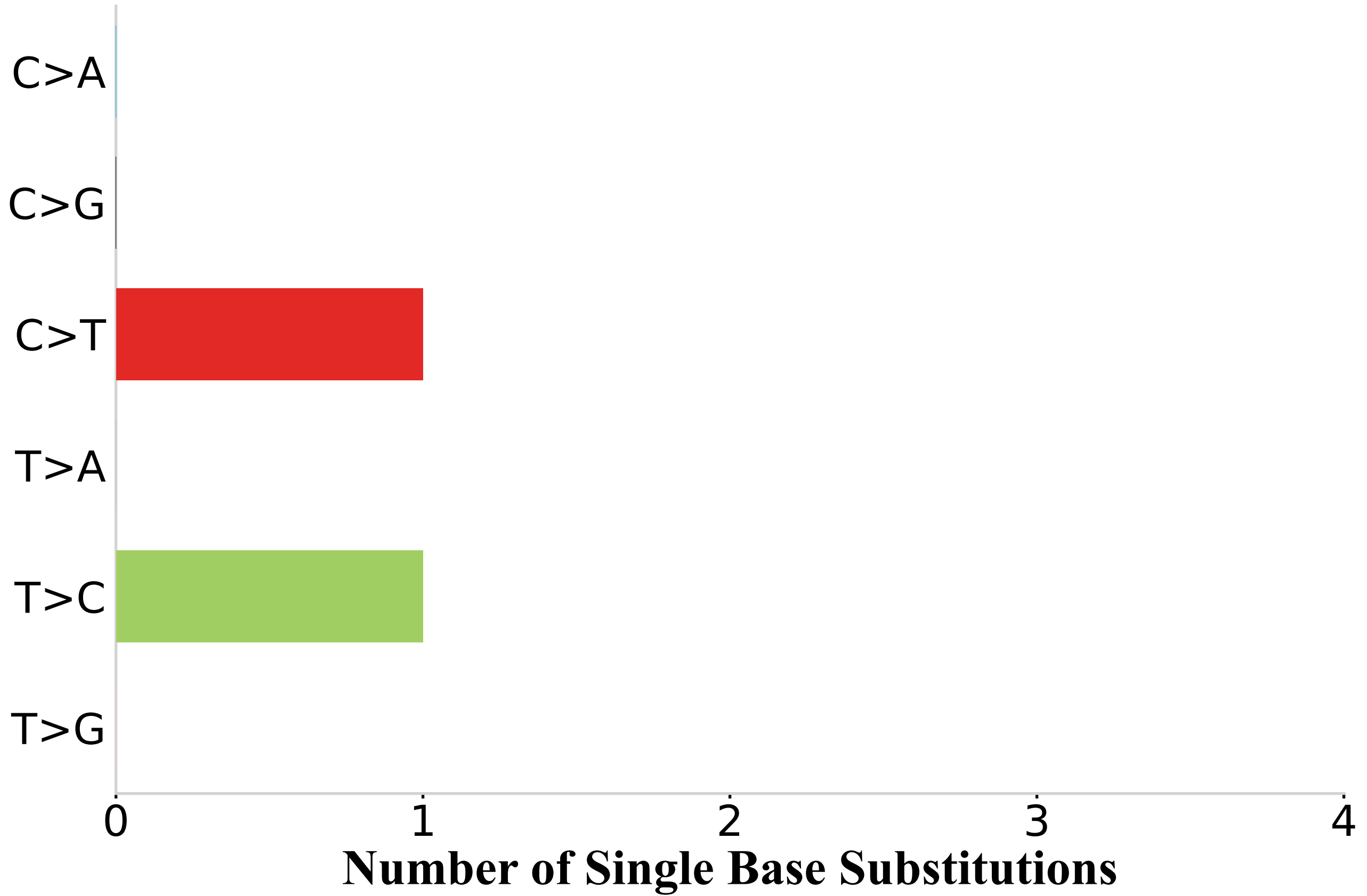
**P-0025379-T01-IM6: 7 subs**



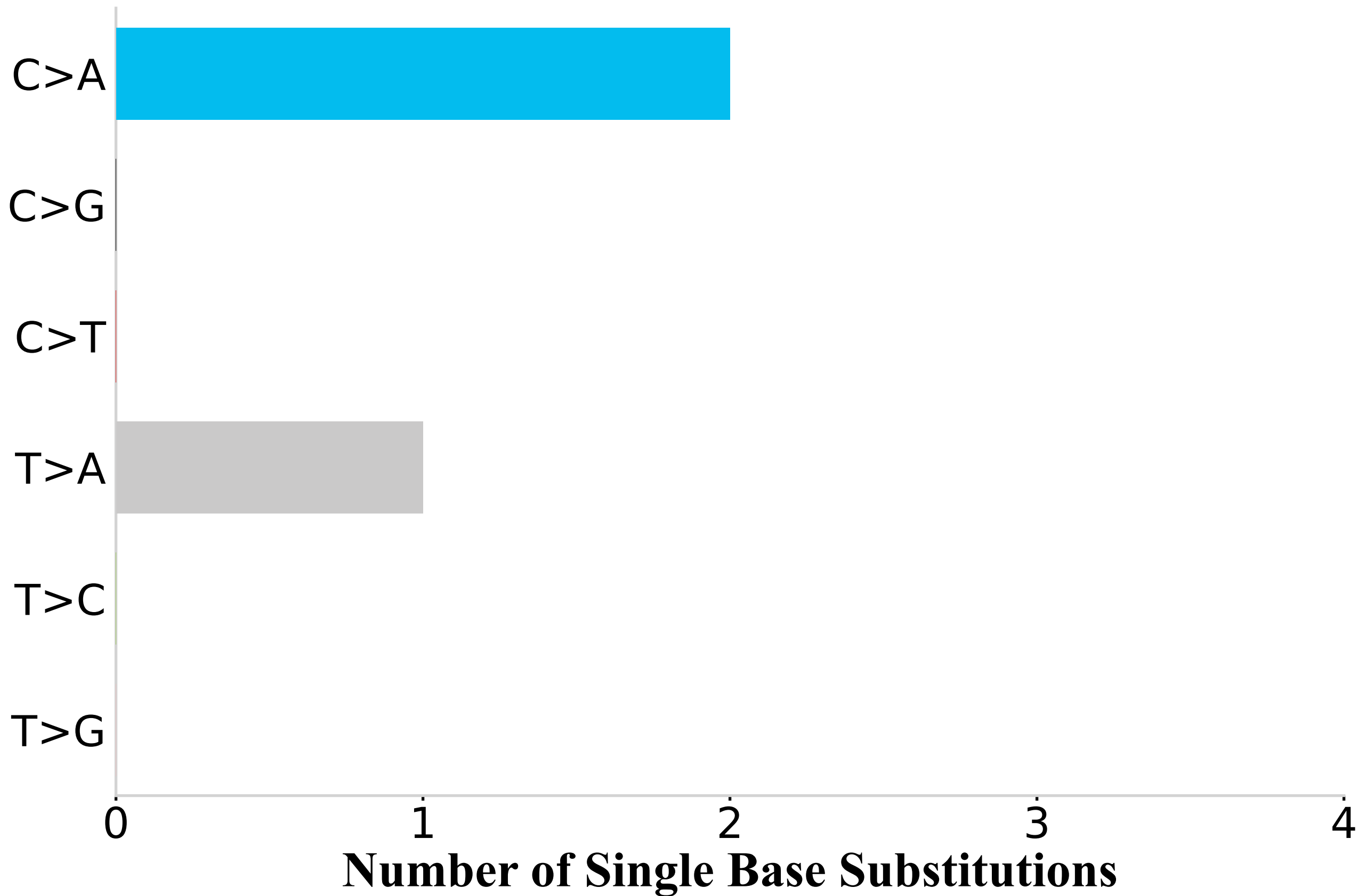
**P-0025462-T01-IM6: 9 subs**



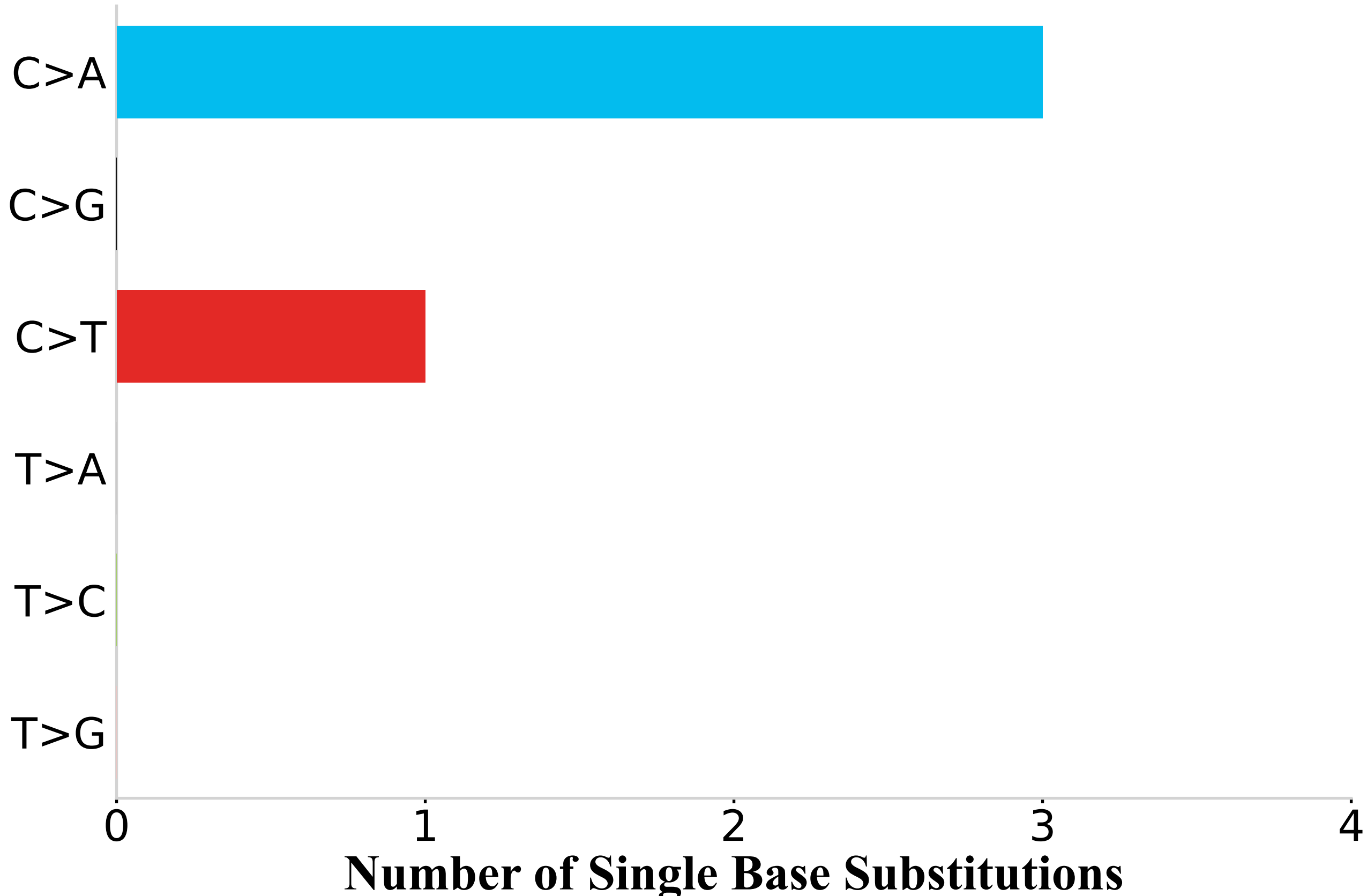
**P-0026437-T01-IM6: 2 subs**



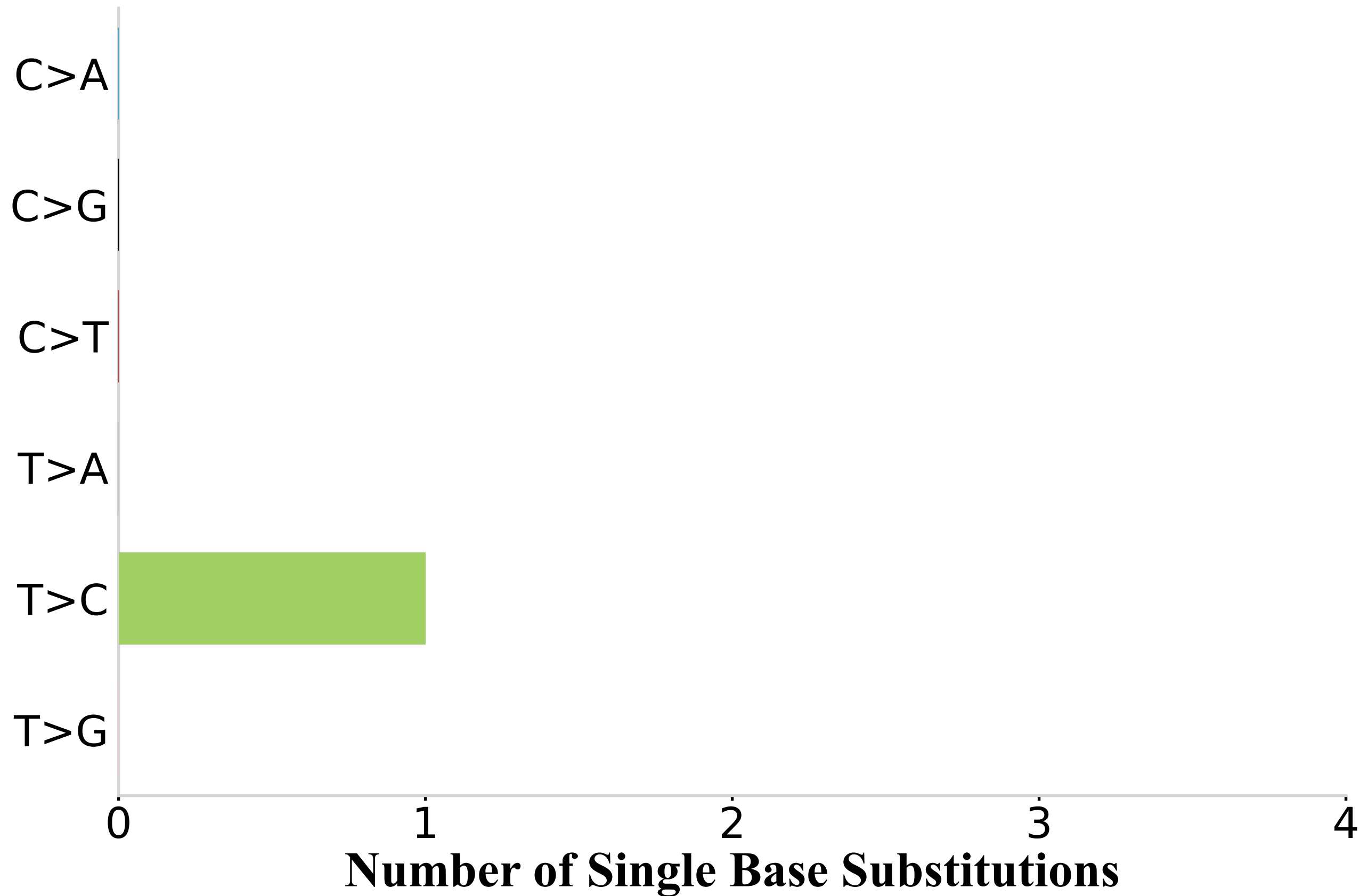
**P-0026798-T02-IM6: 3 subs**



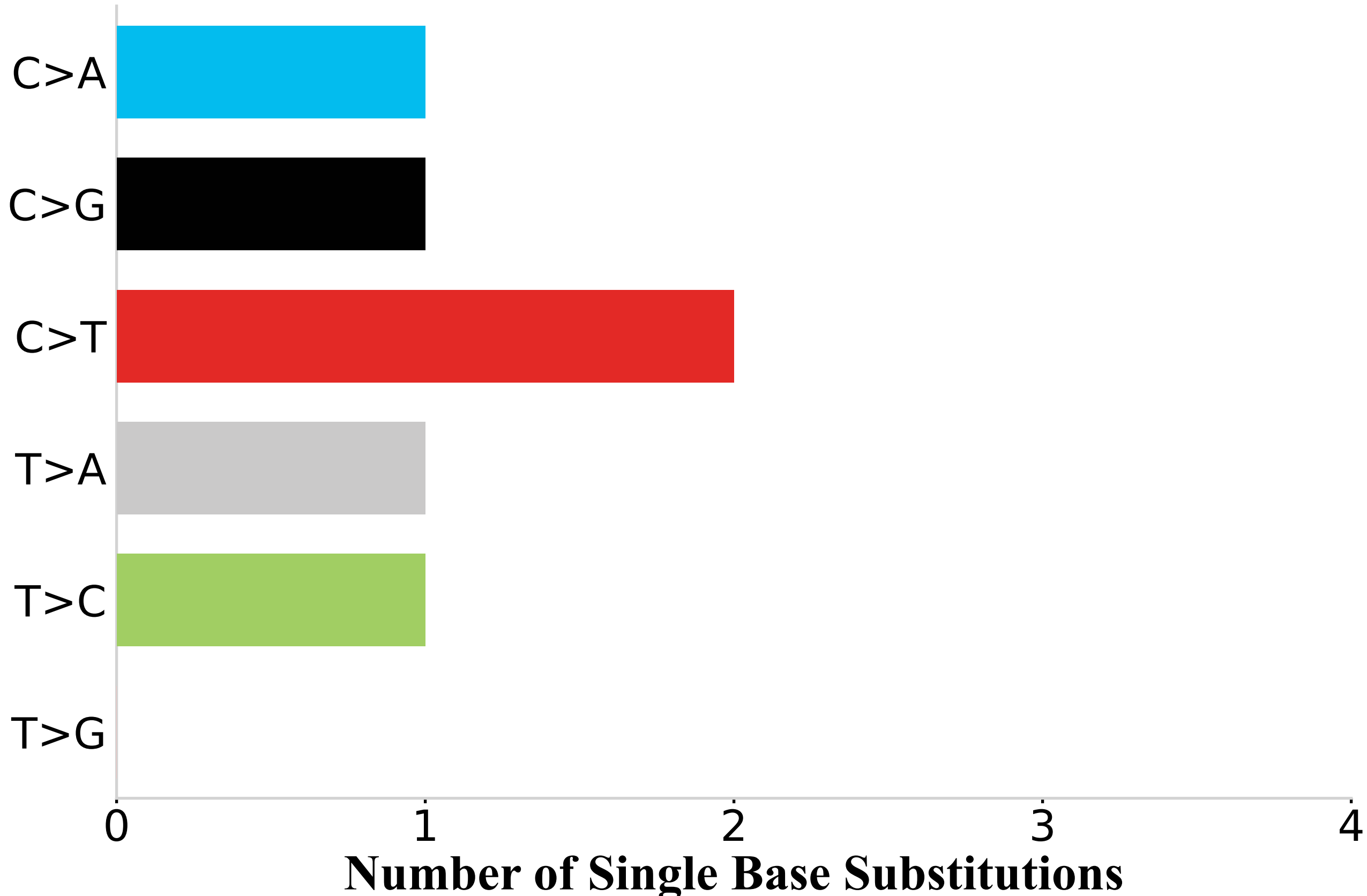
**P-0028246-T01-IM6: 4 subs**



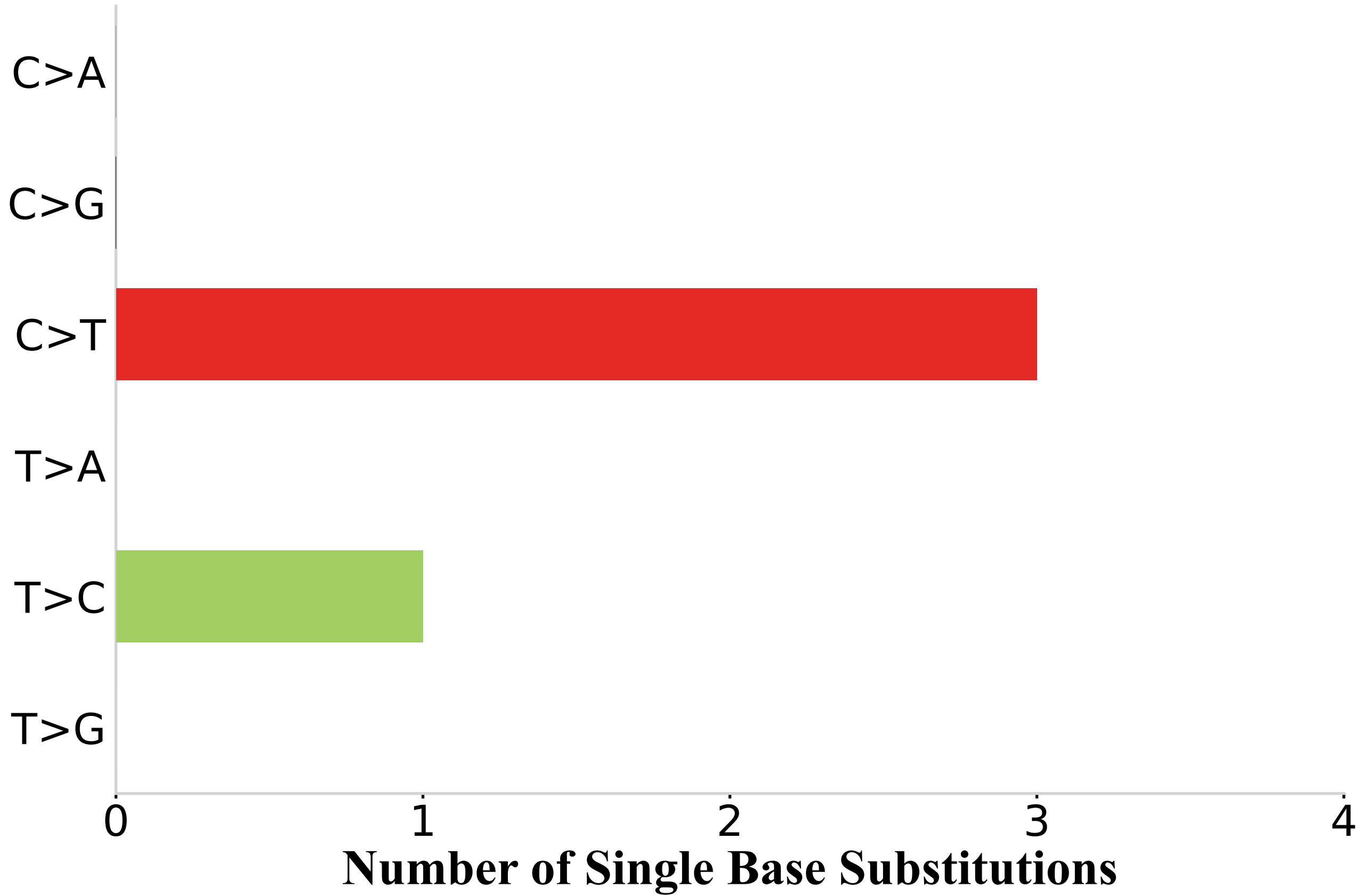
**P-0028542-T01-IM6: 1 subs**



**P-0028705-T01-IM6: 6 subs**

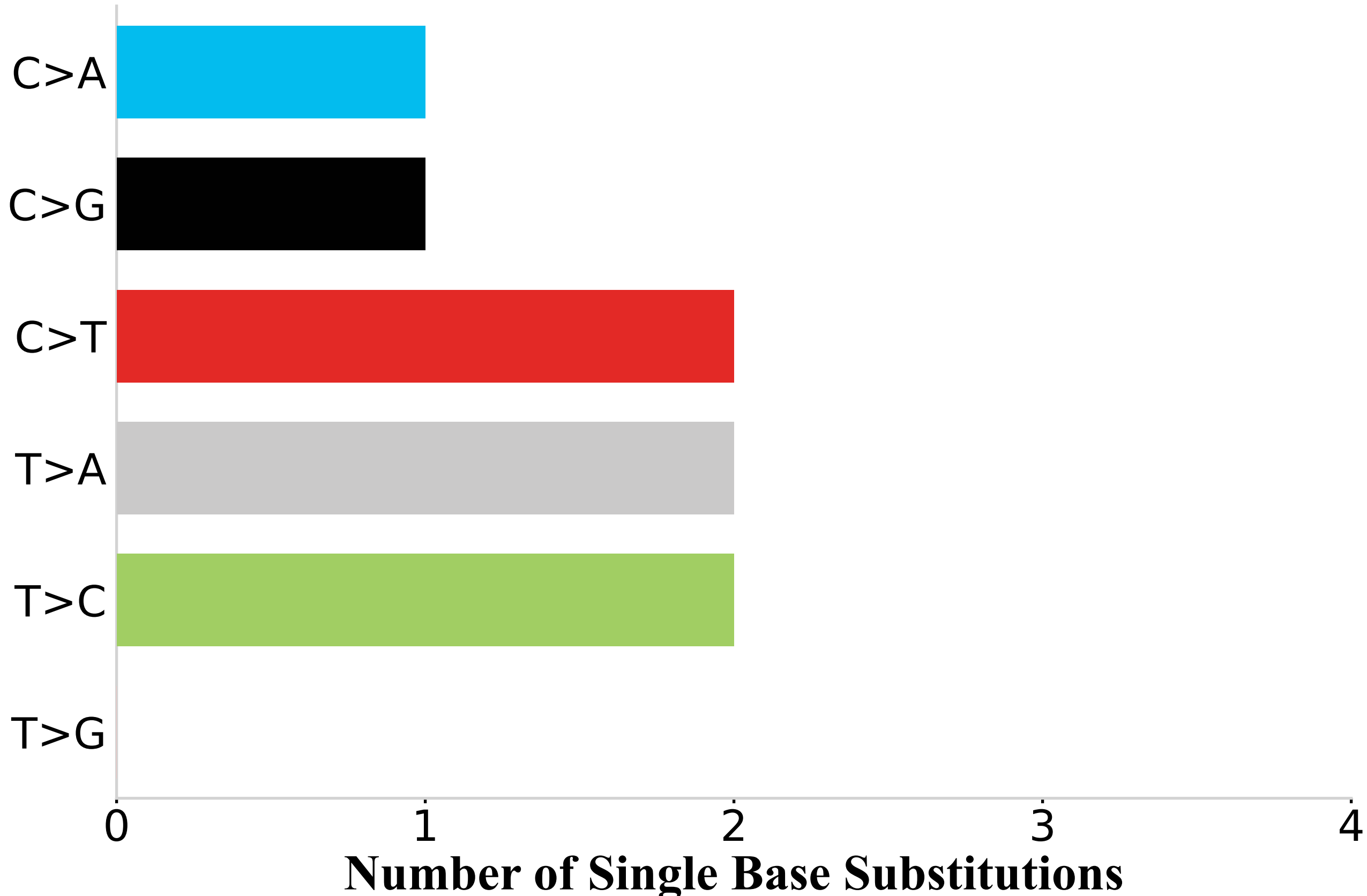


**P-0028761-T01-IM6: 4 subs**

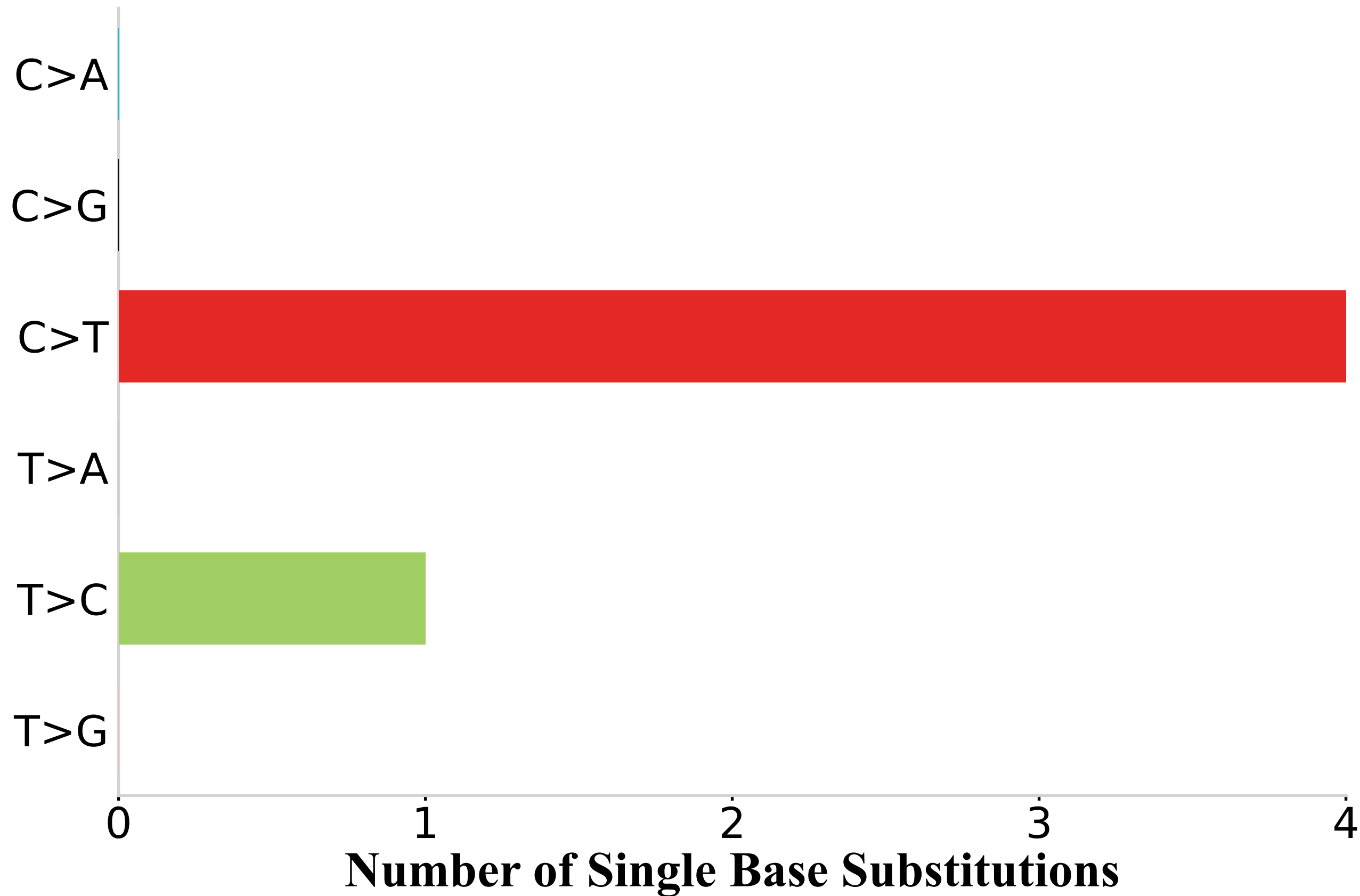




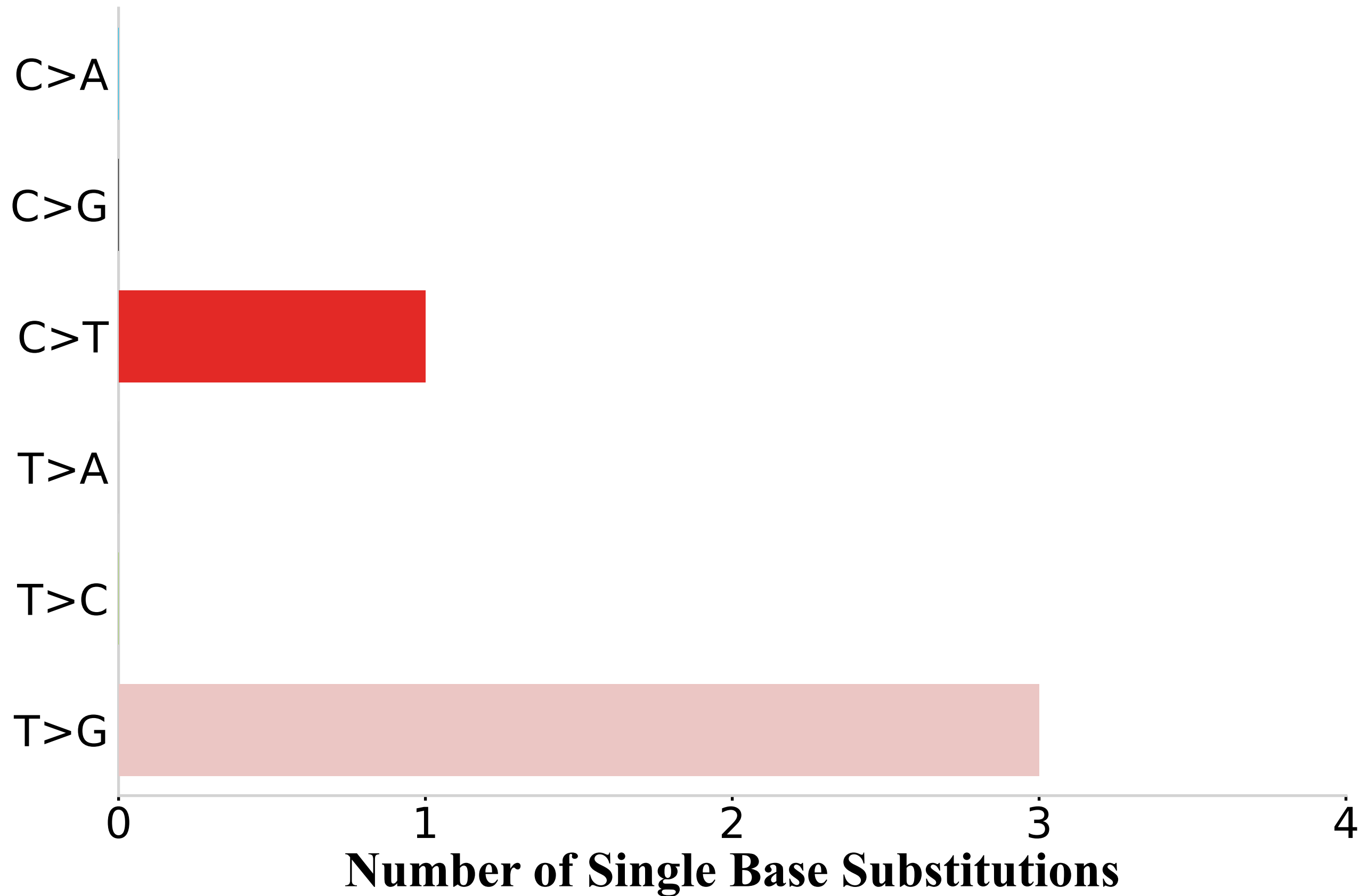
**P-0029068-T01-IM6: 8 subs**



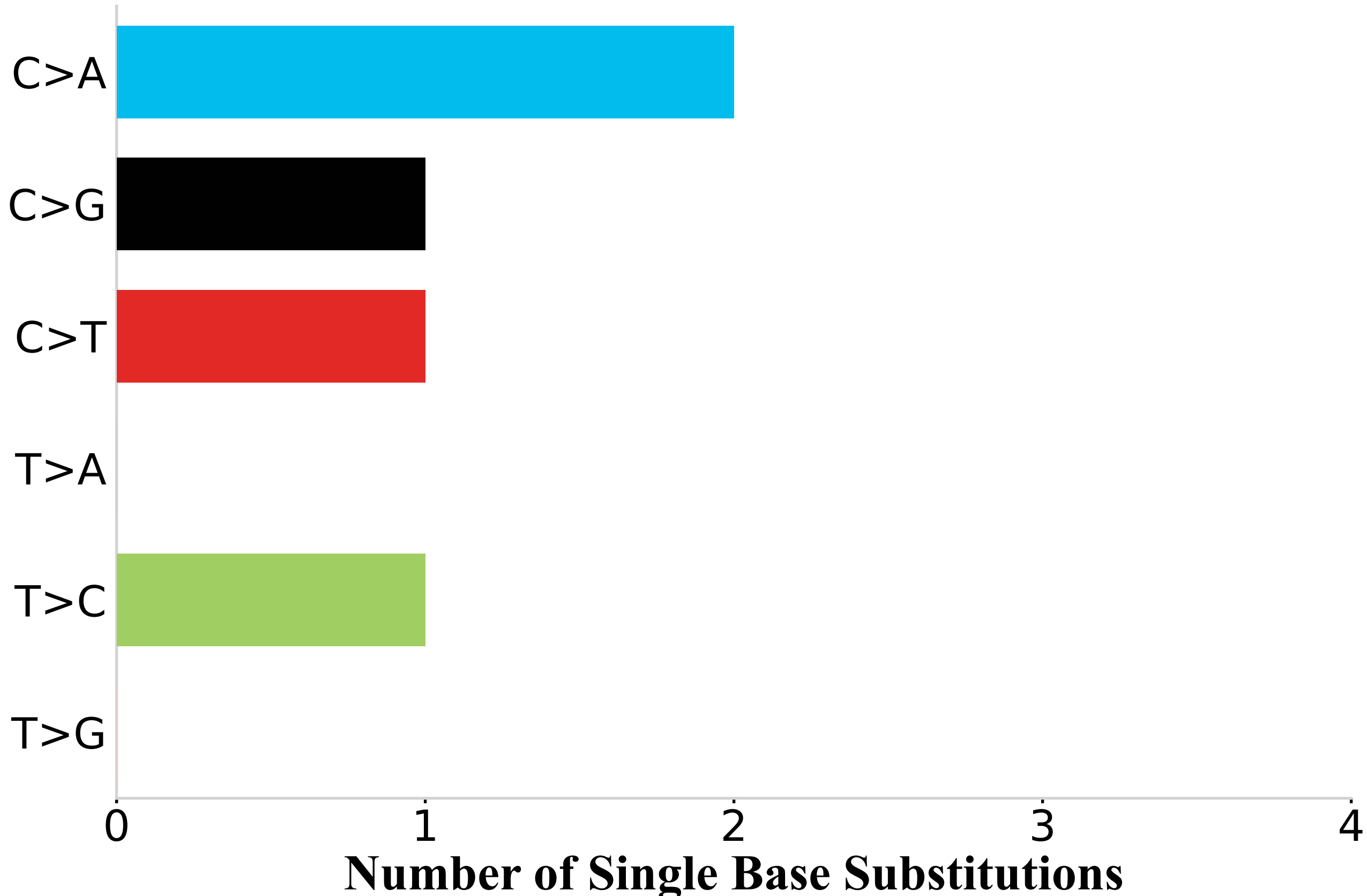
**P-0029273-T01-IM6: 5 subs**



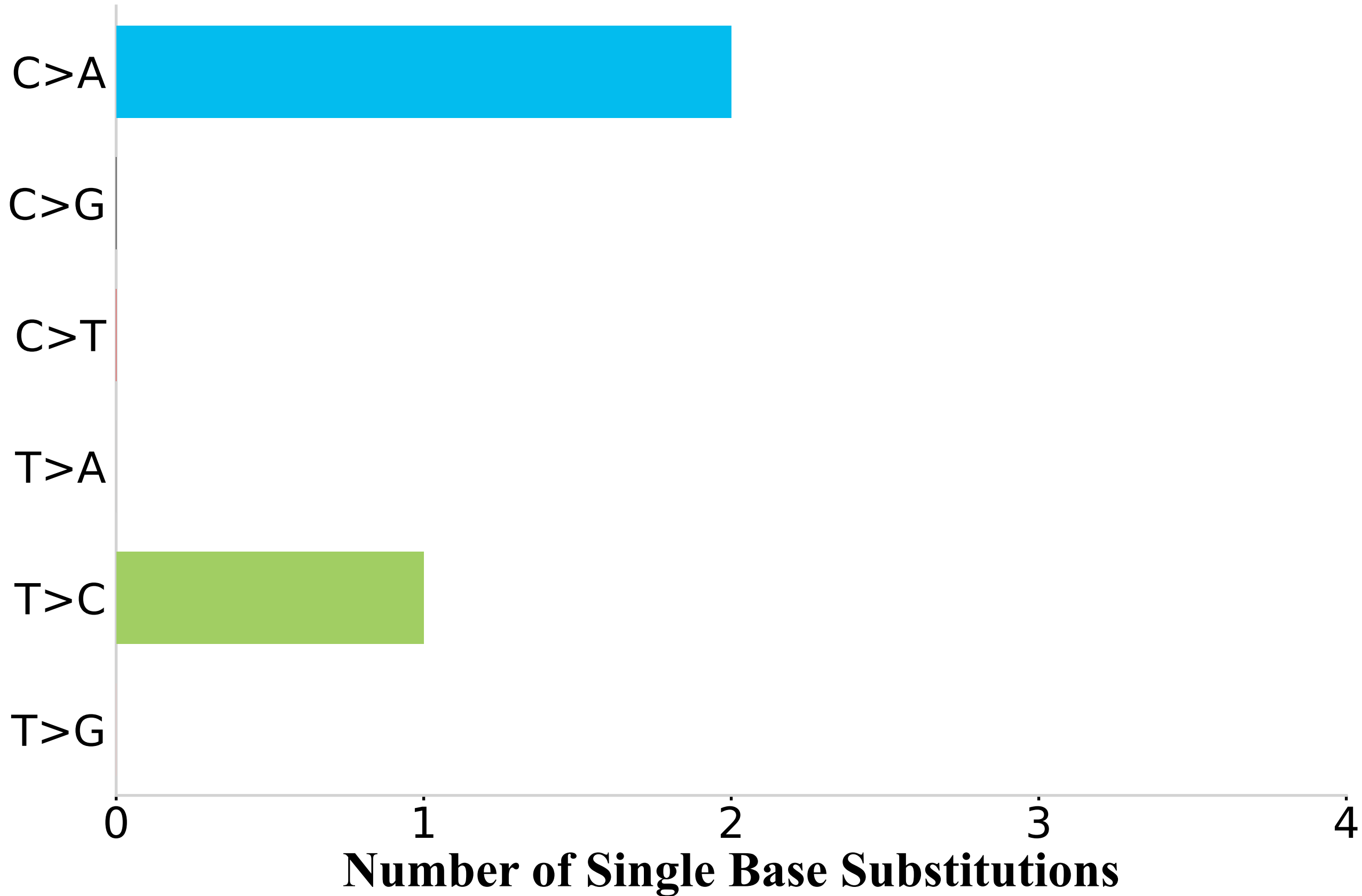
**P-0029668-T01-IM6: 4 subs**



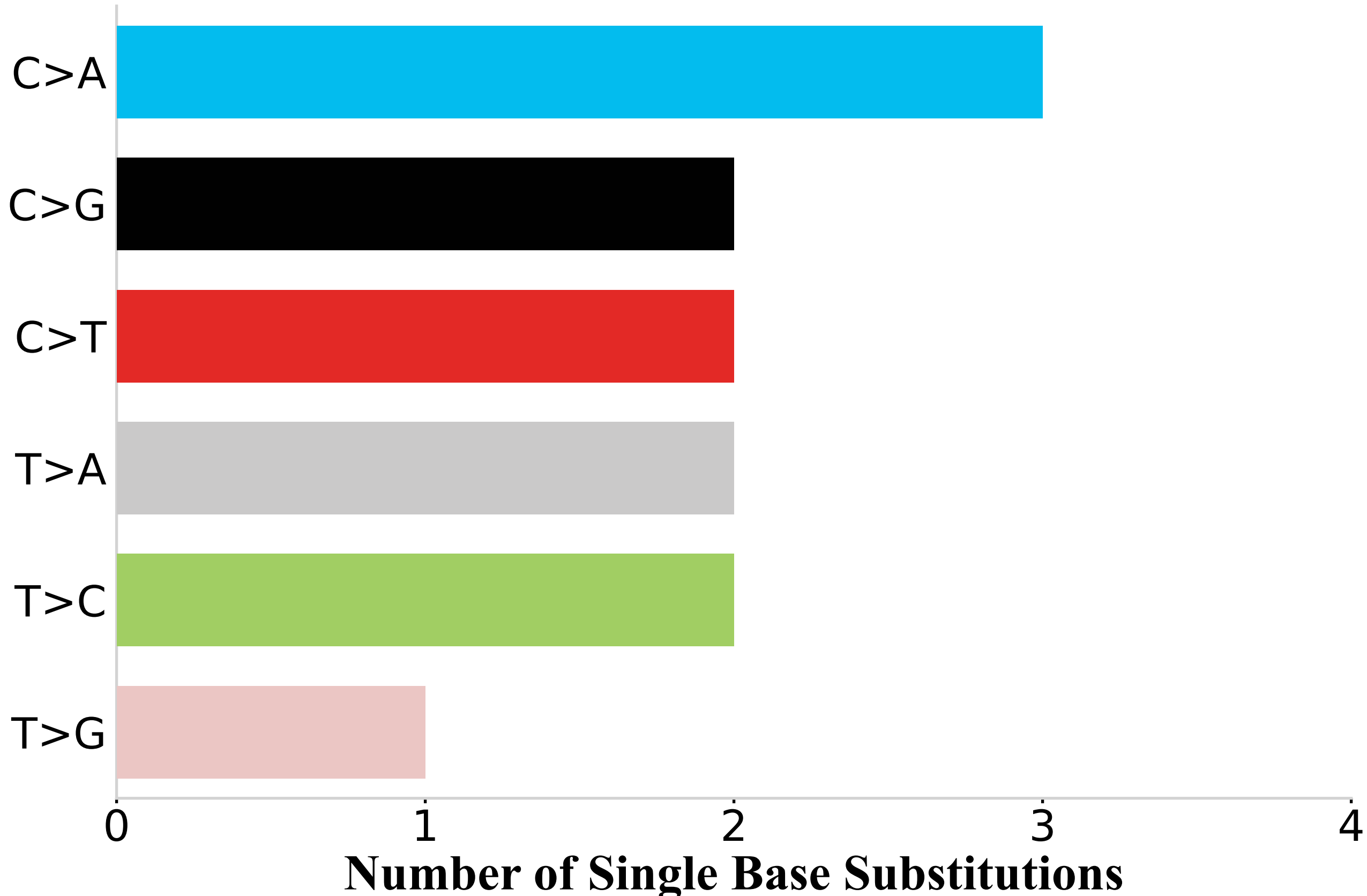
**P-0029935-T01-IM6: 5 subs**



**P-0030486-T01-IM6: 3 subs**



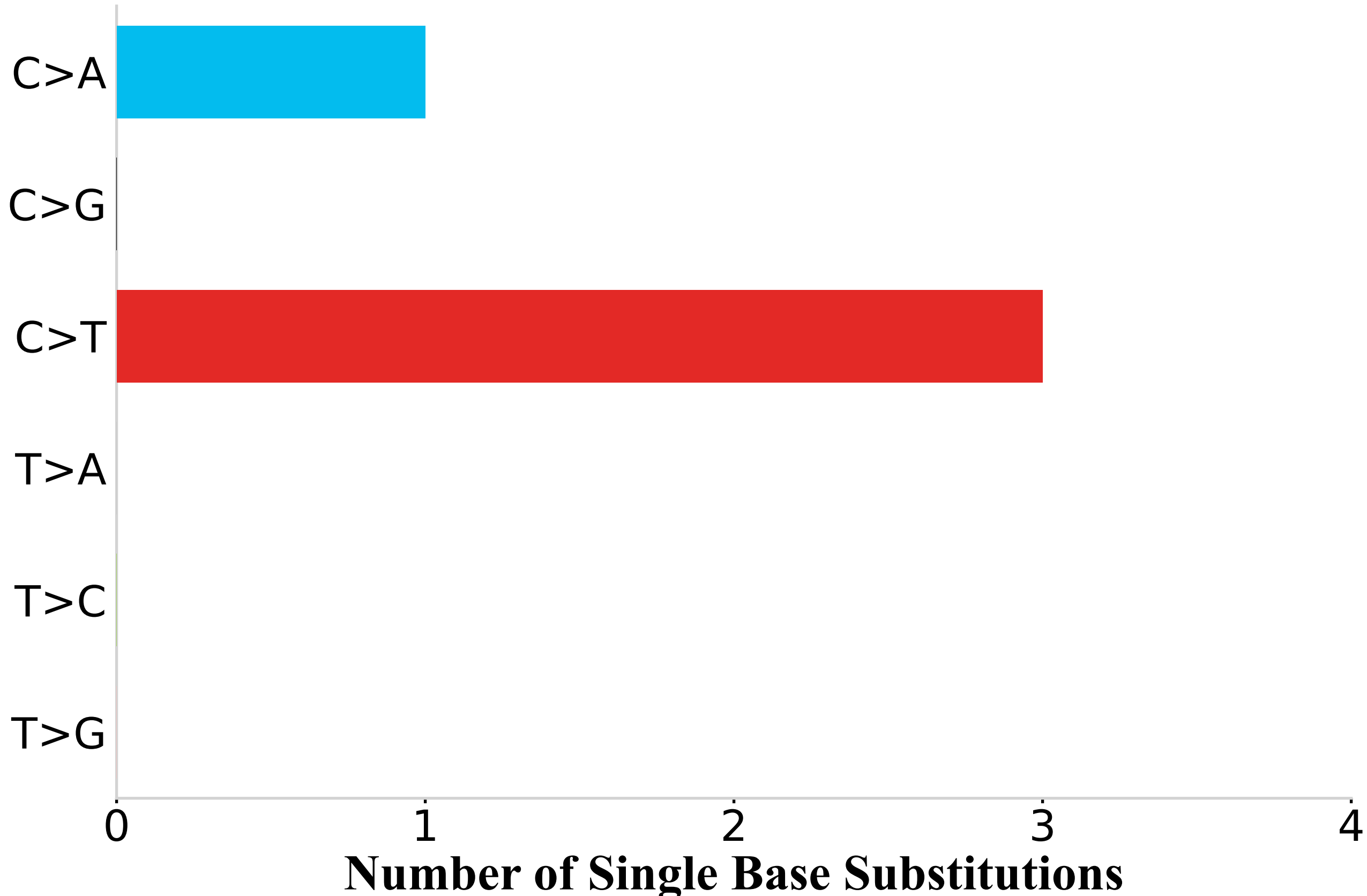
**P-0030734-T01-IM6: 12 subs**



**P-0031657-T01-IM6: 7 subs**



**P-0032460-T01-IM6: 4 subs**

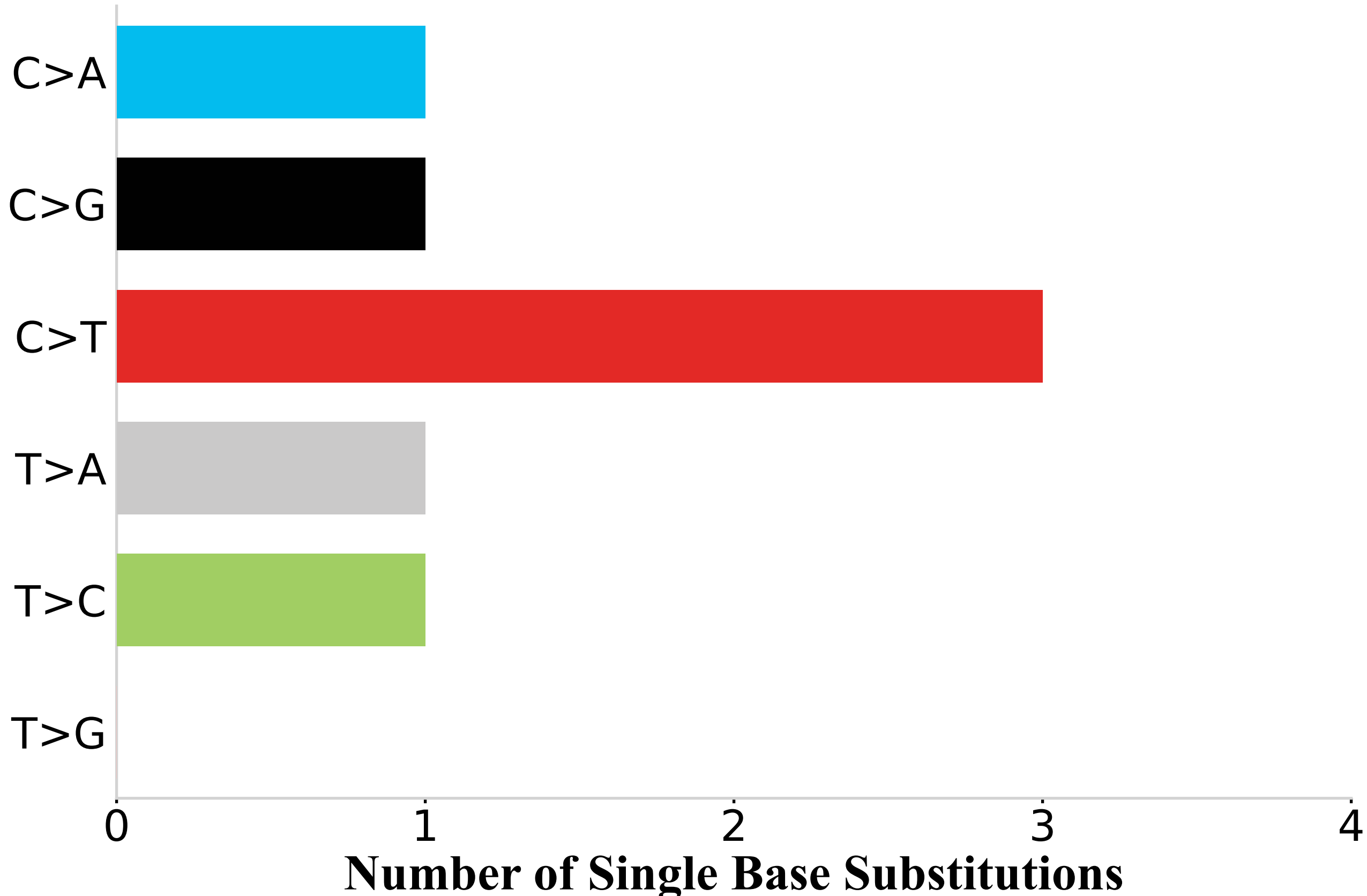




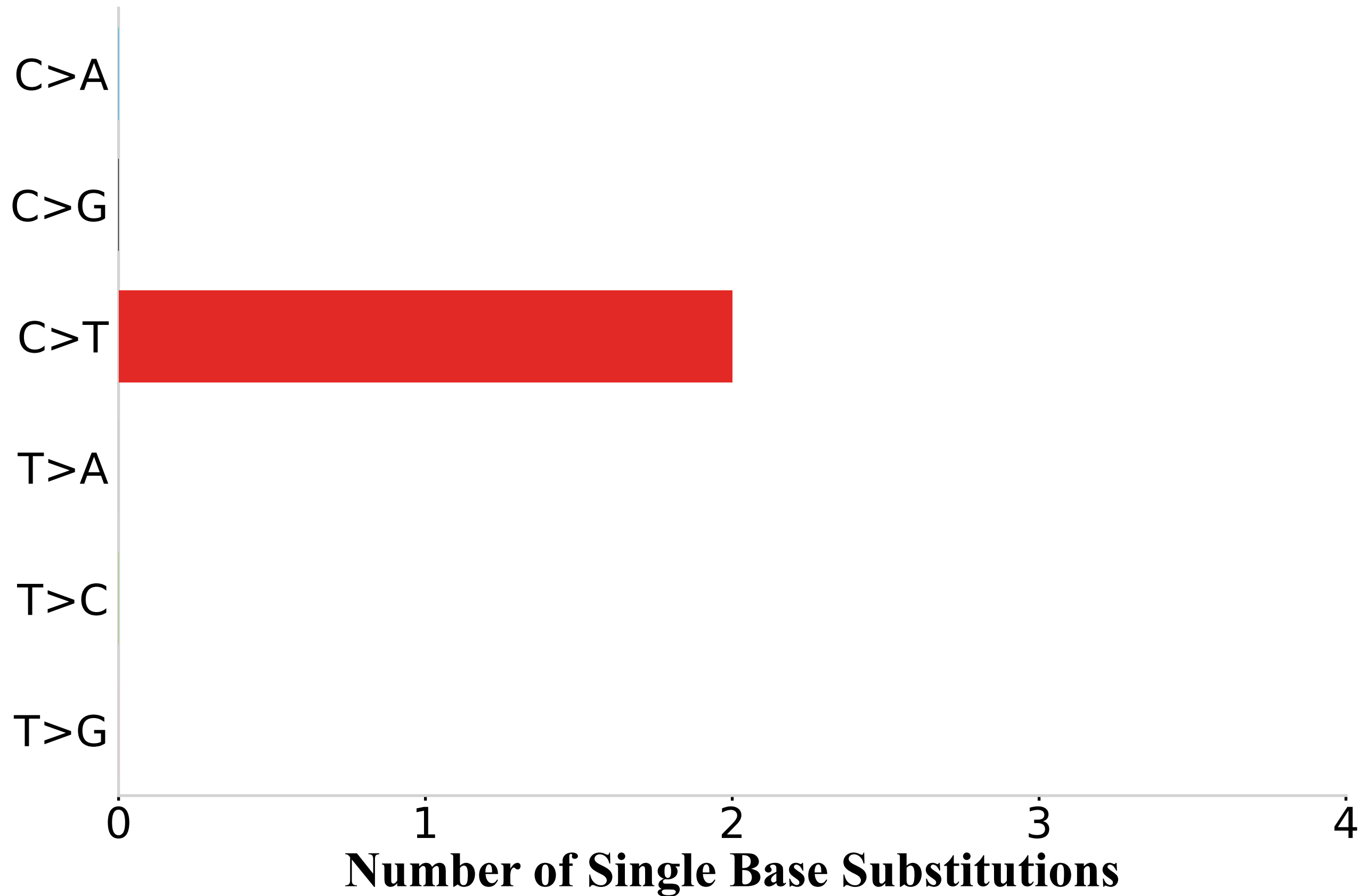
**P-0032958-T01-IM6: 2 subs**



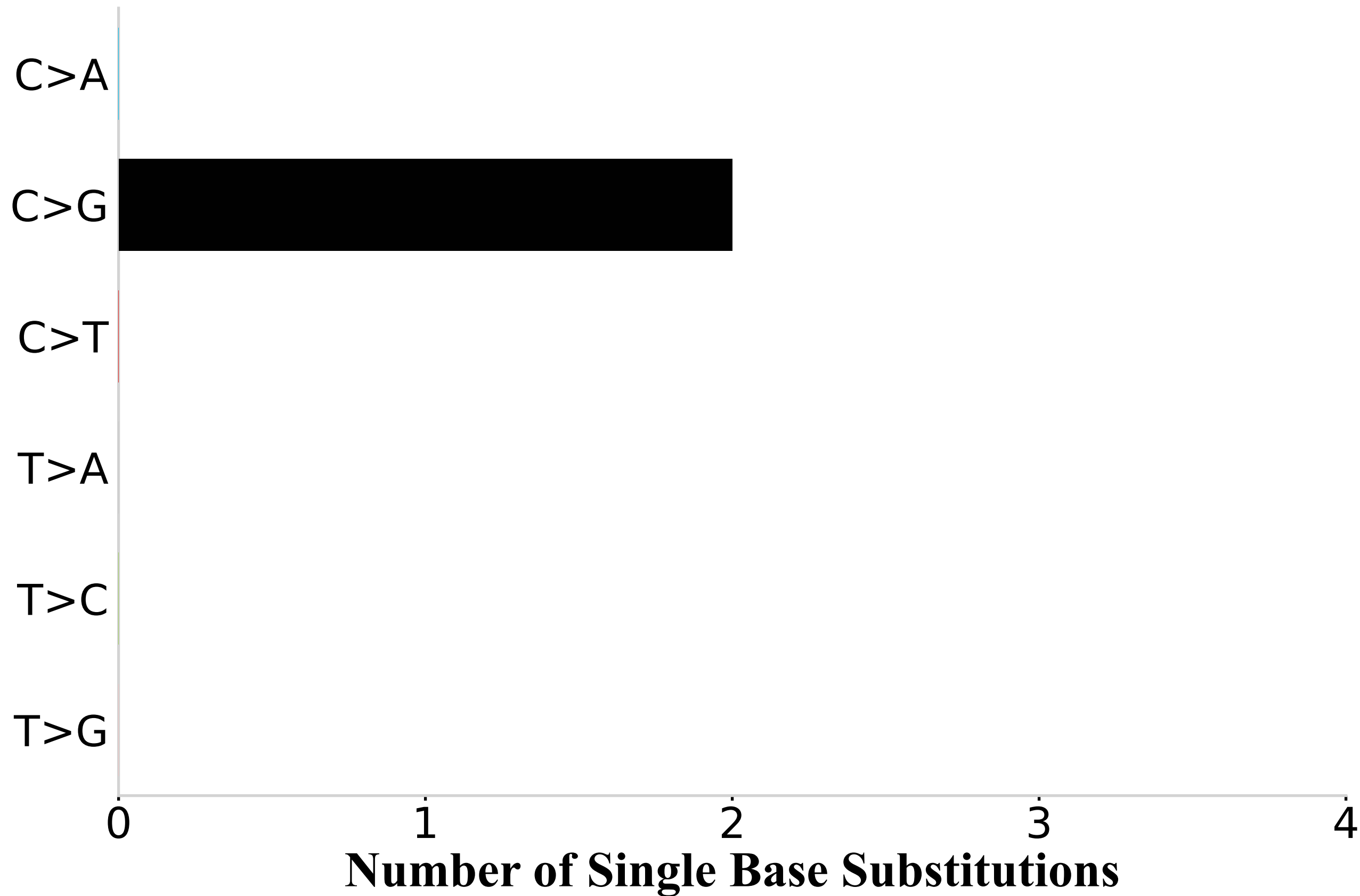
**P-0032988-T01-IM6: 7 subs**



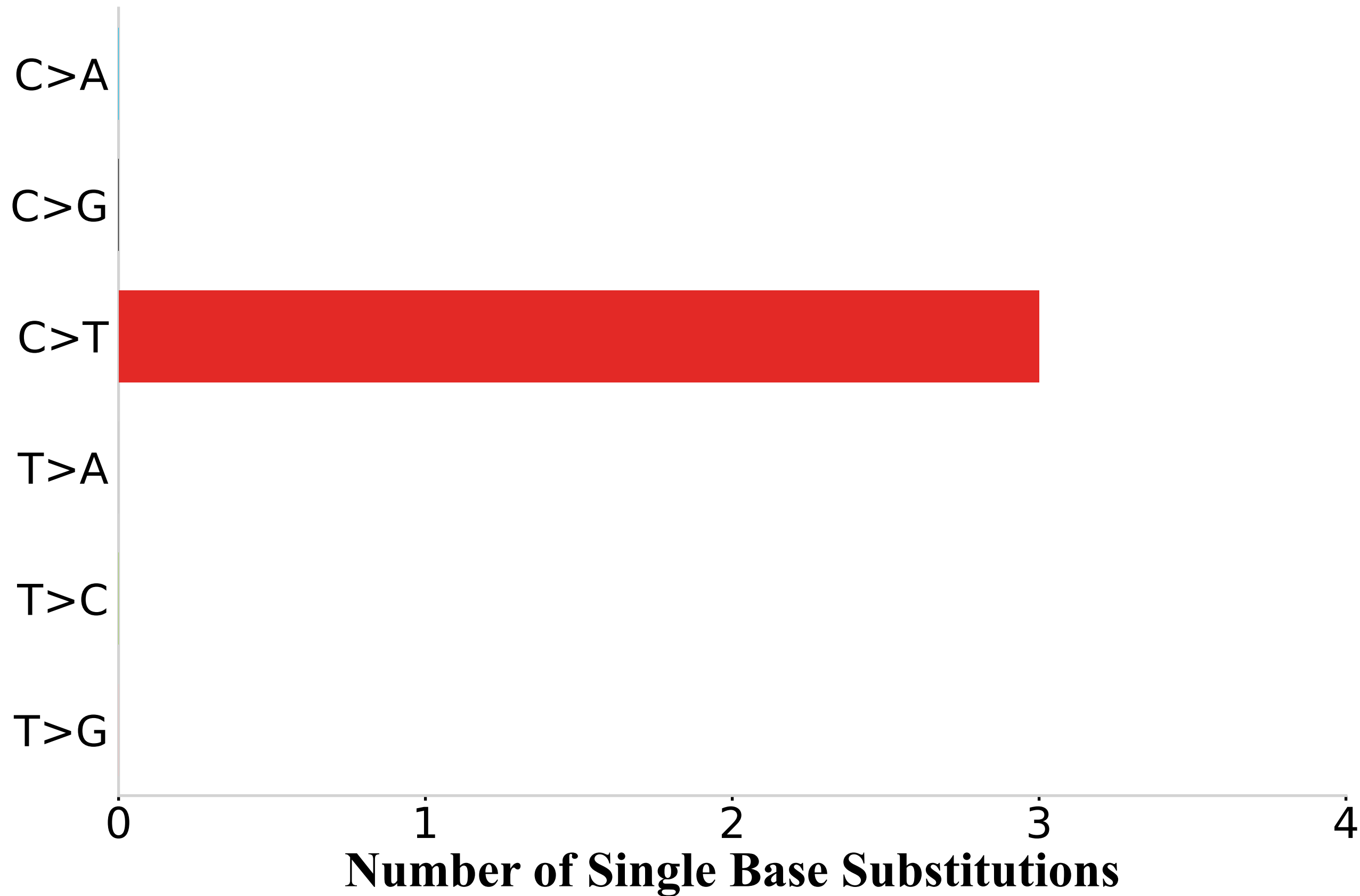
**P-0032991-T01-IM6: 2 subs**



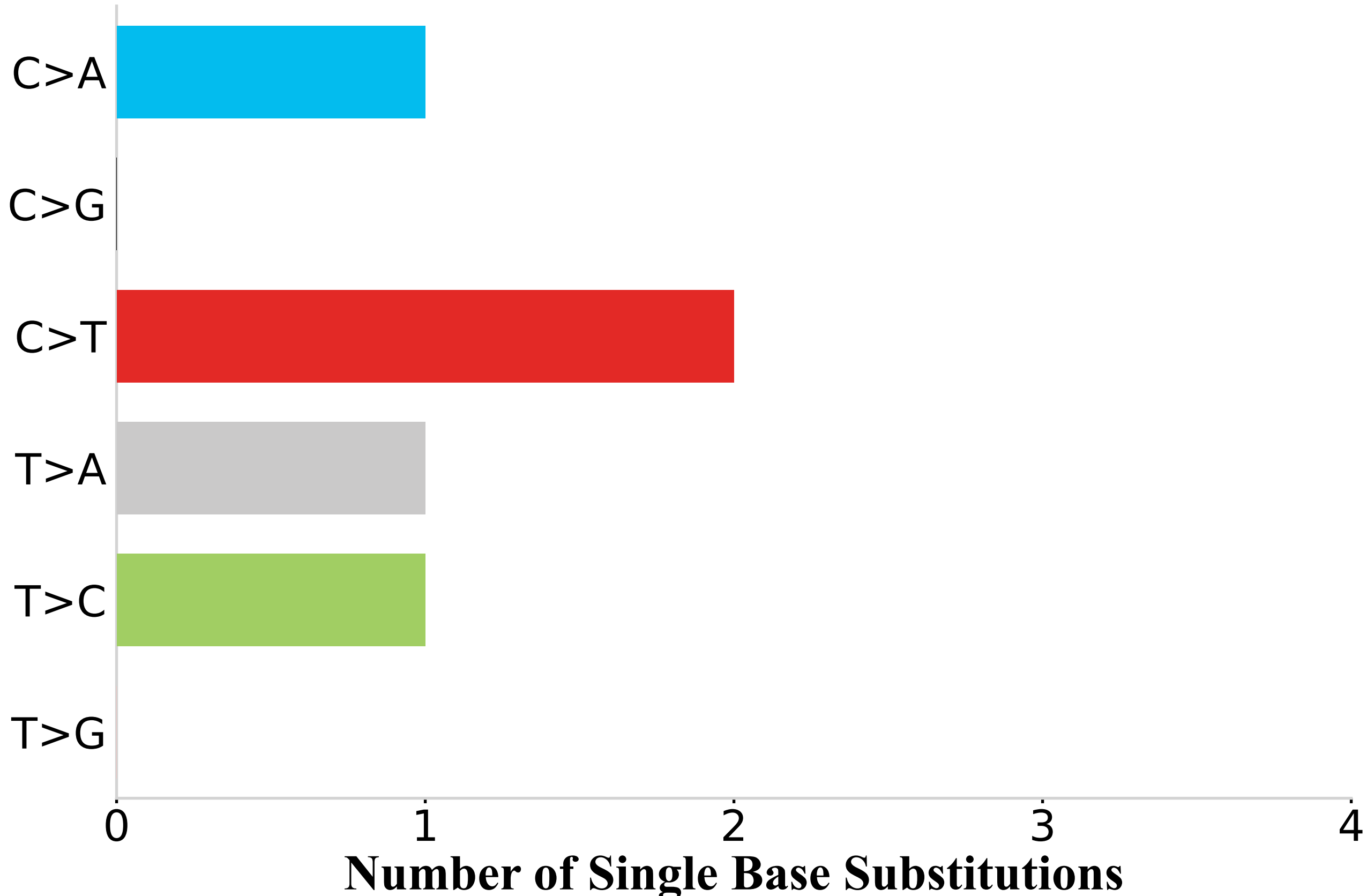
**P-0032993-T01-IM6: 2 subs**



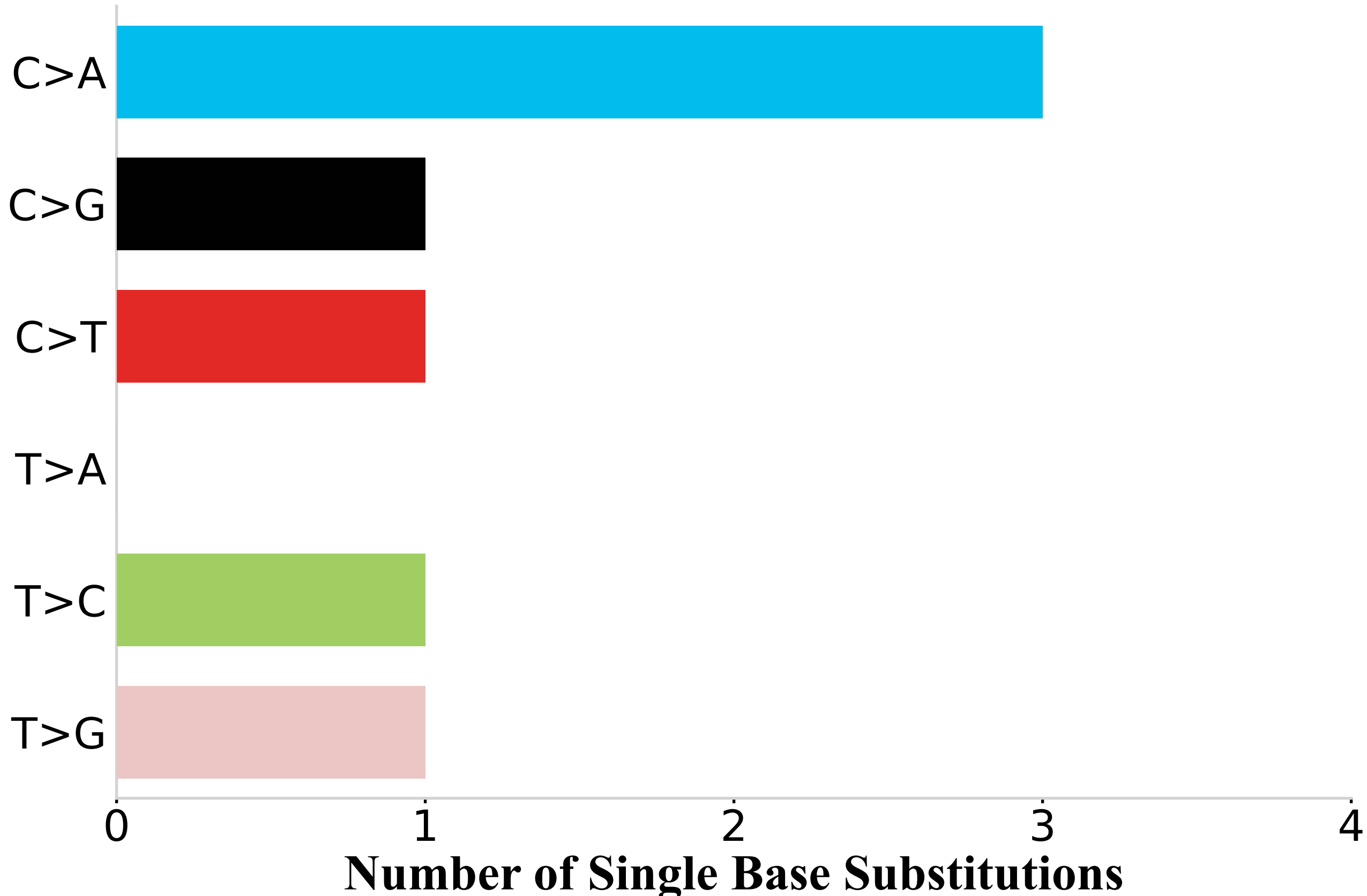
**P-0033442-T01-IM6: 3 subs**



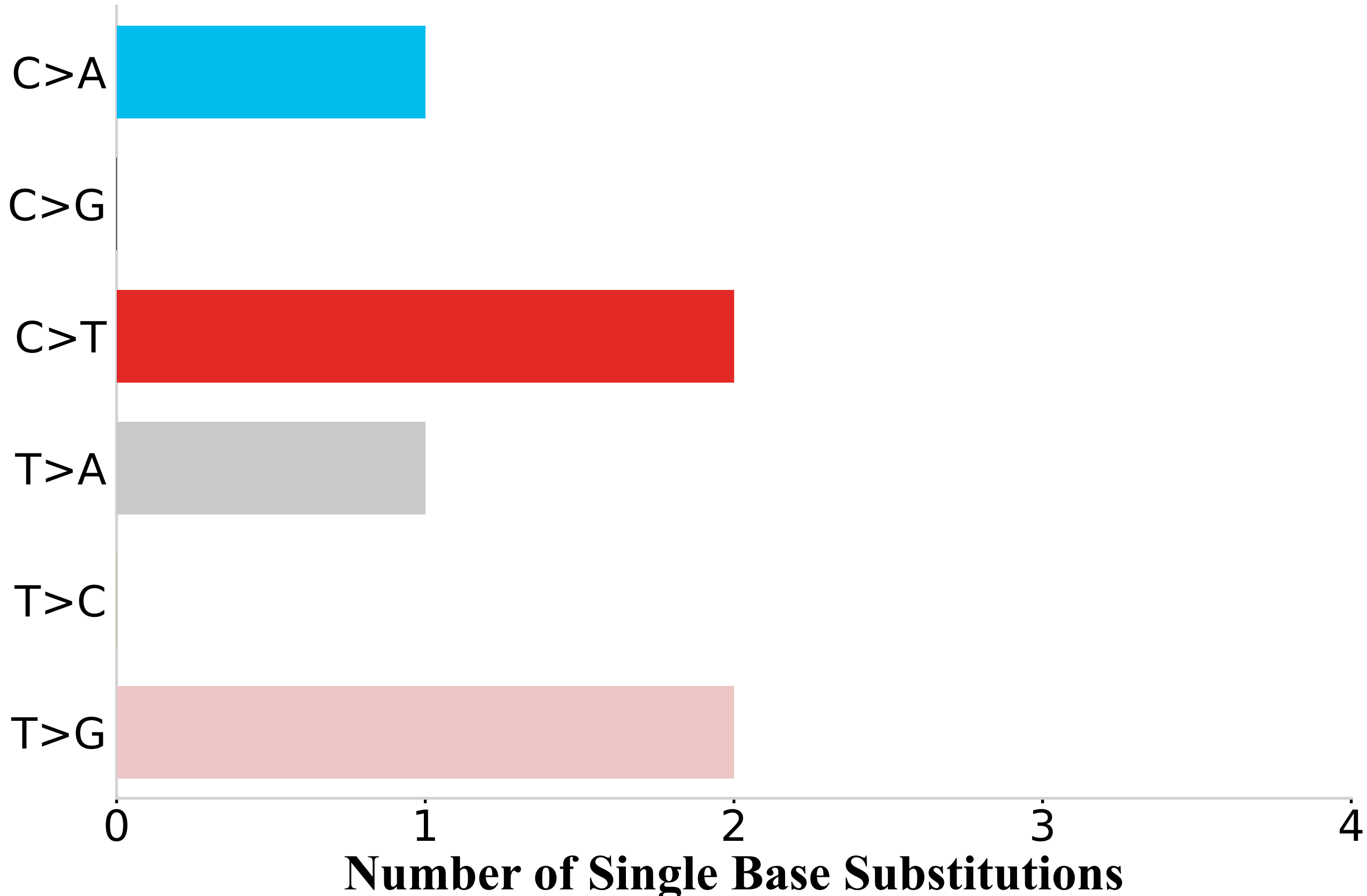
**P-0033443-T01-IM6: 5 subs**



**P-0033445-T01-IM6: 7 subs**



**P-0033633-T01-IM6: 6 subs**





**P-0033955-T01-IM6: 6 subs**

C>A

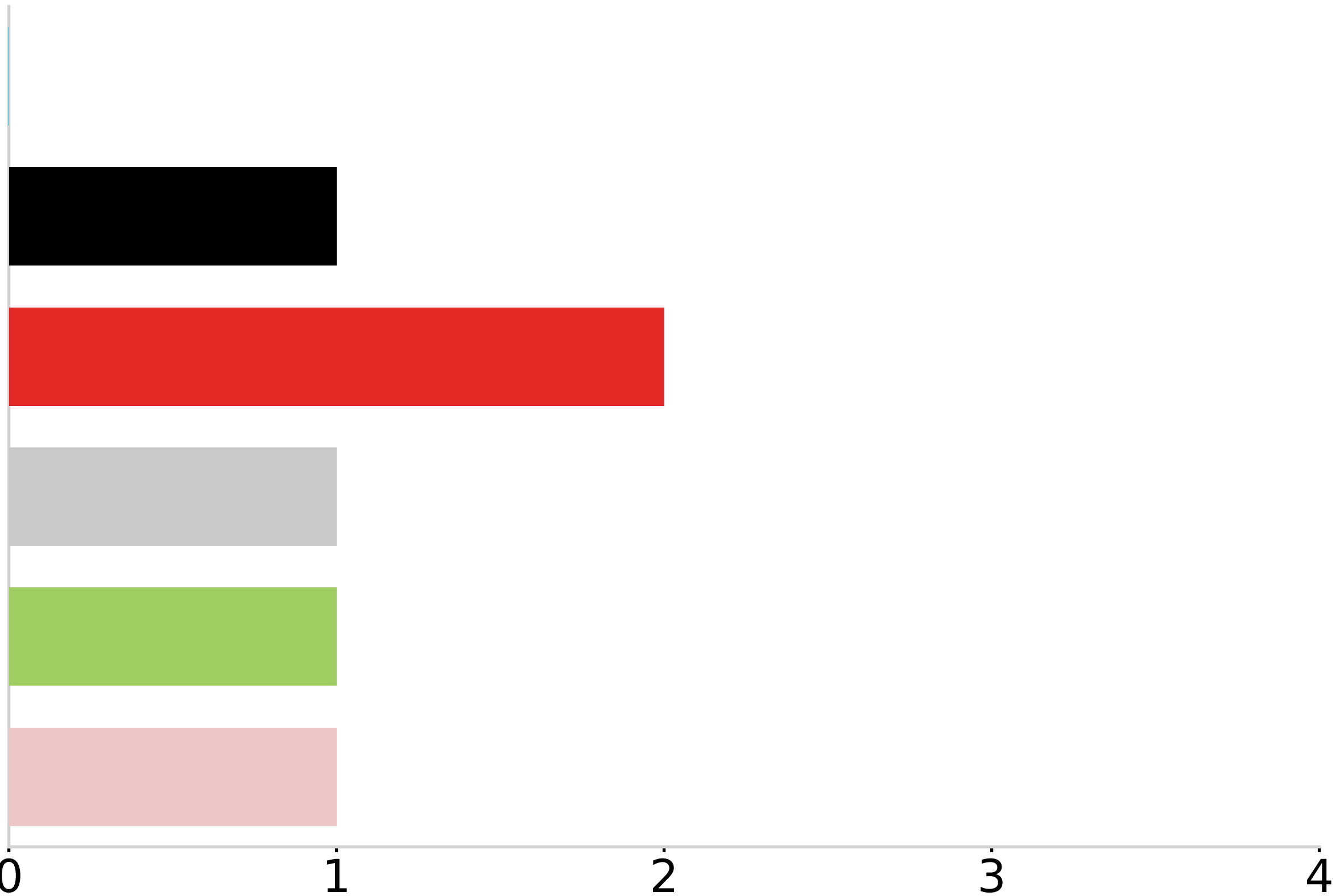
C>G

C>T

T>A

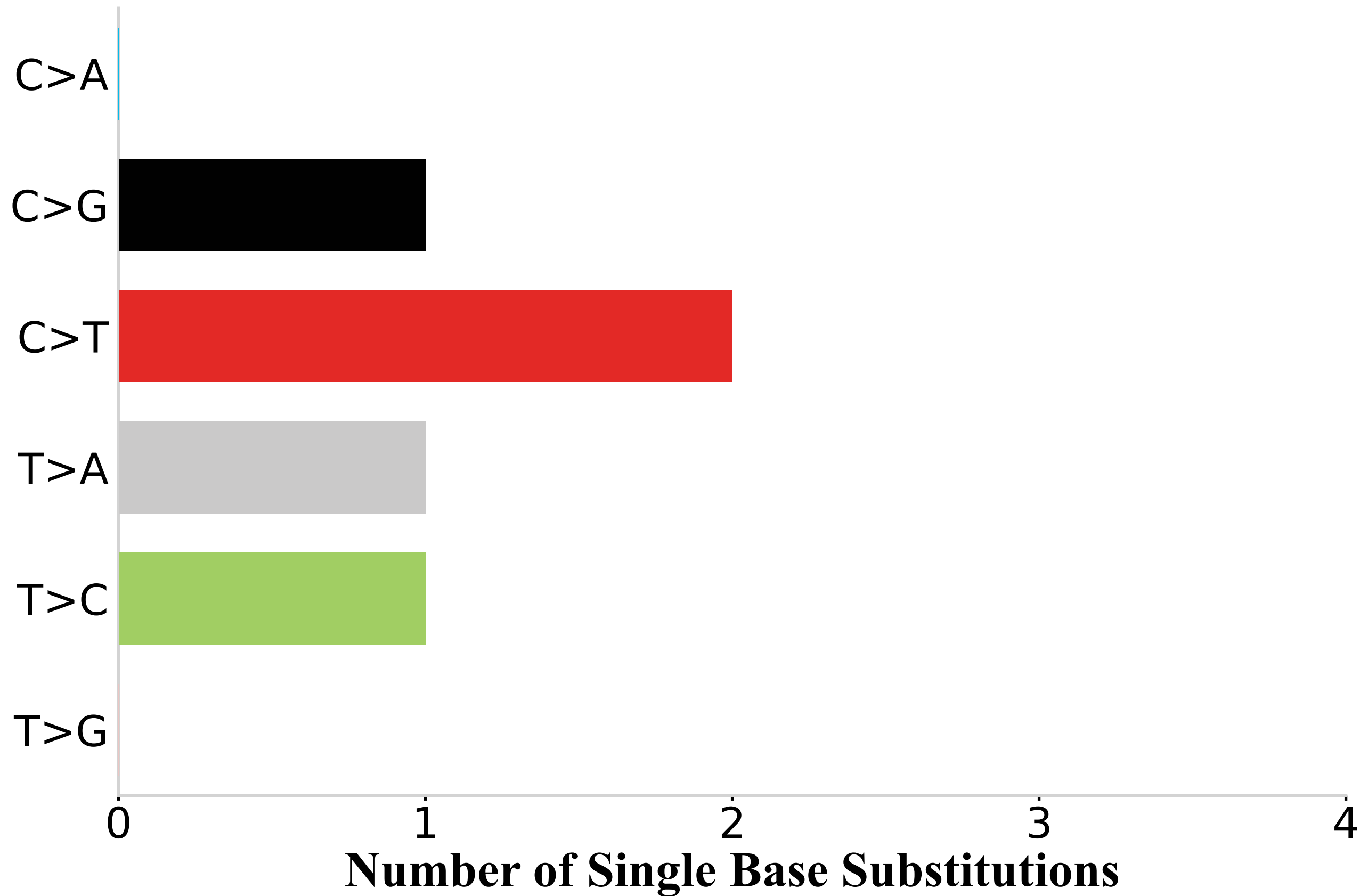
T>C

T>G

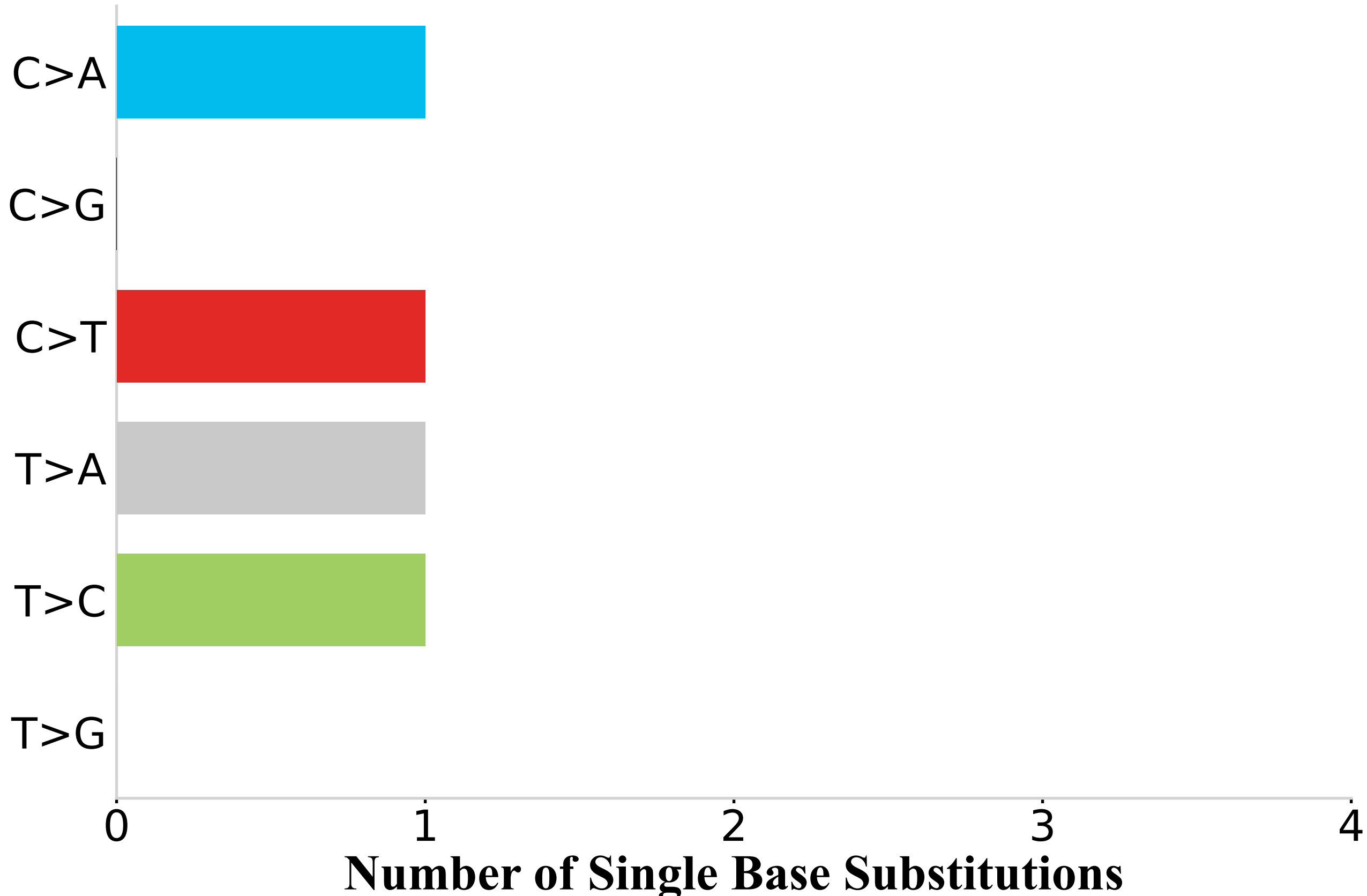


**Number of Single Base Substitutions**

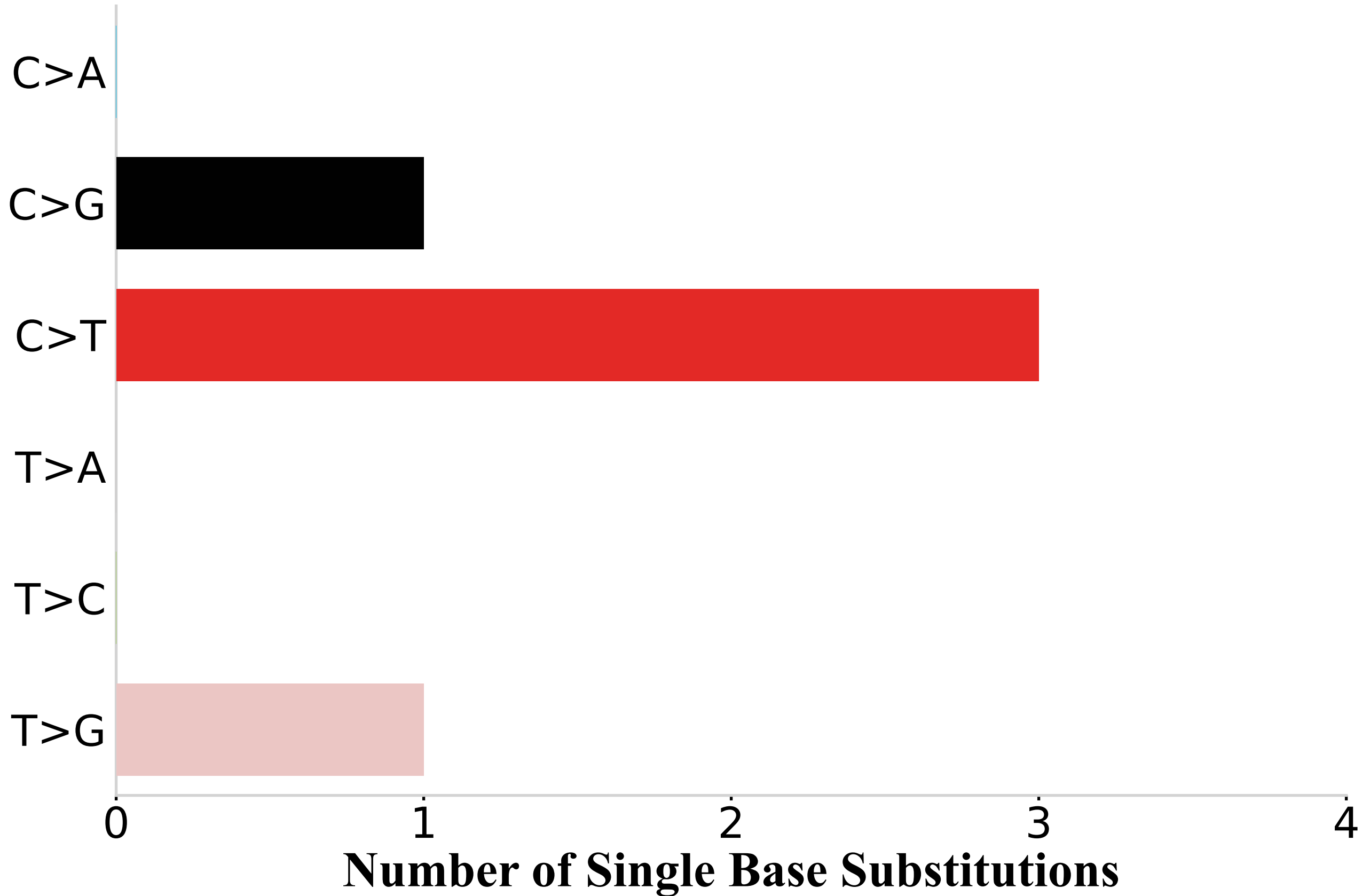
**P-0034021-T01-IM6: 5 subs**



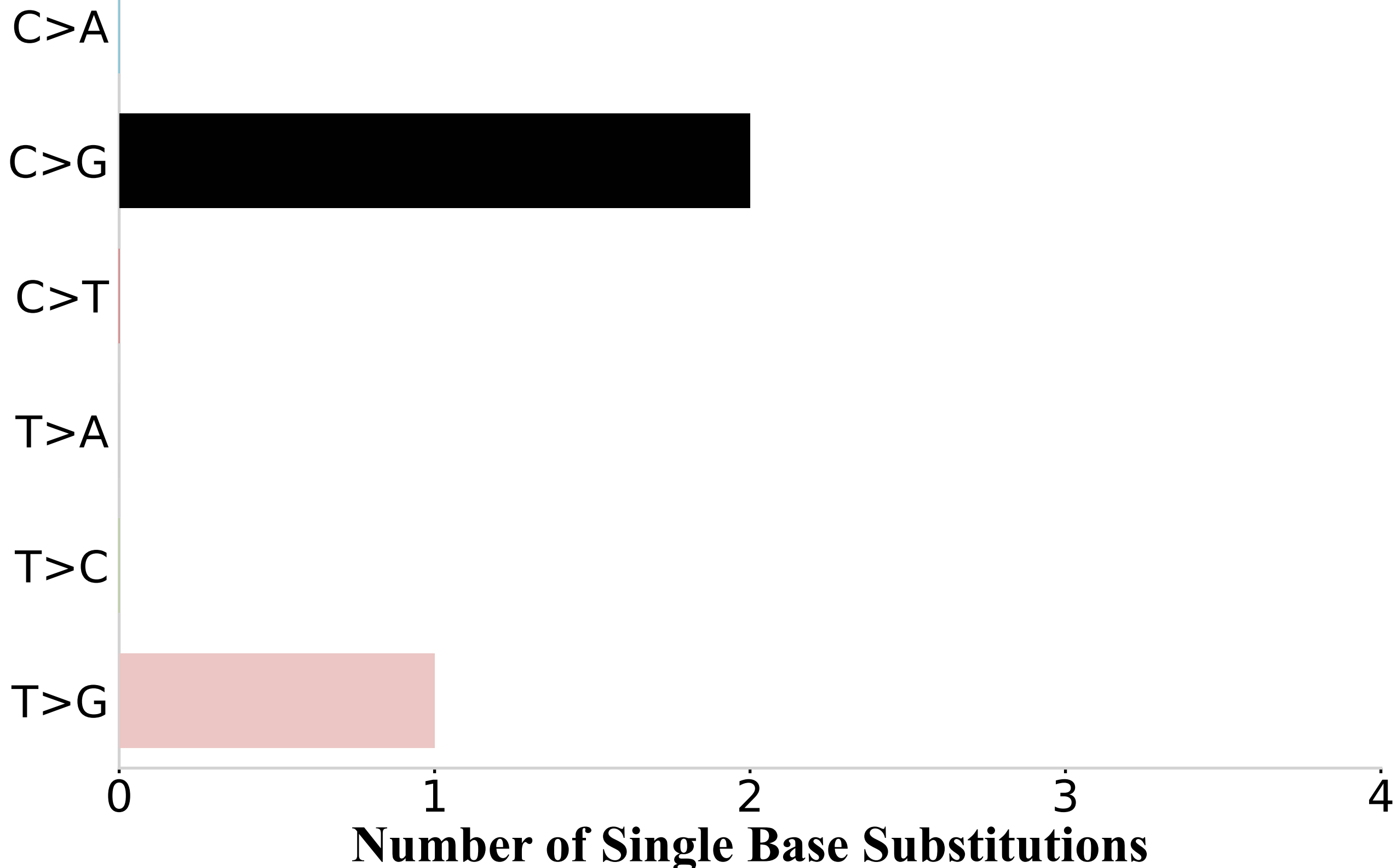
**P-0034483-T01-IM6: 4 subs**



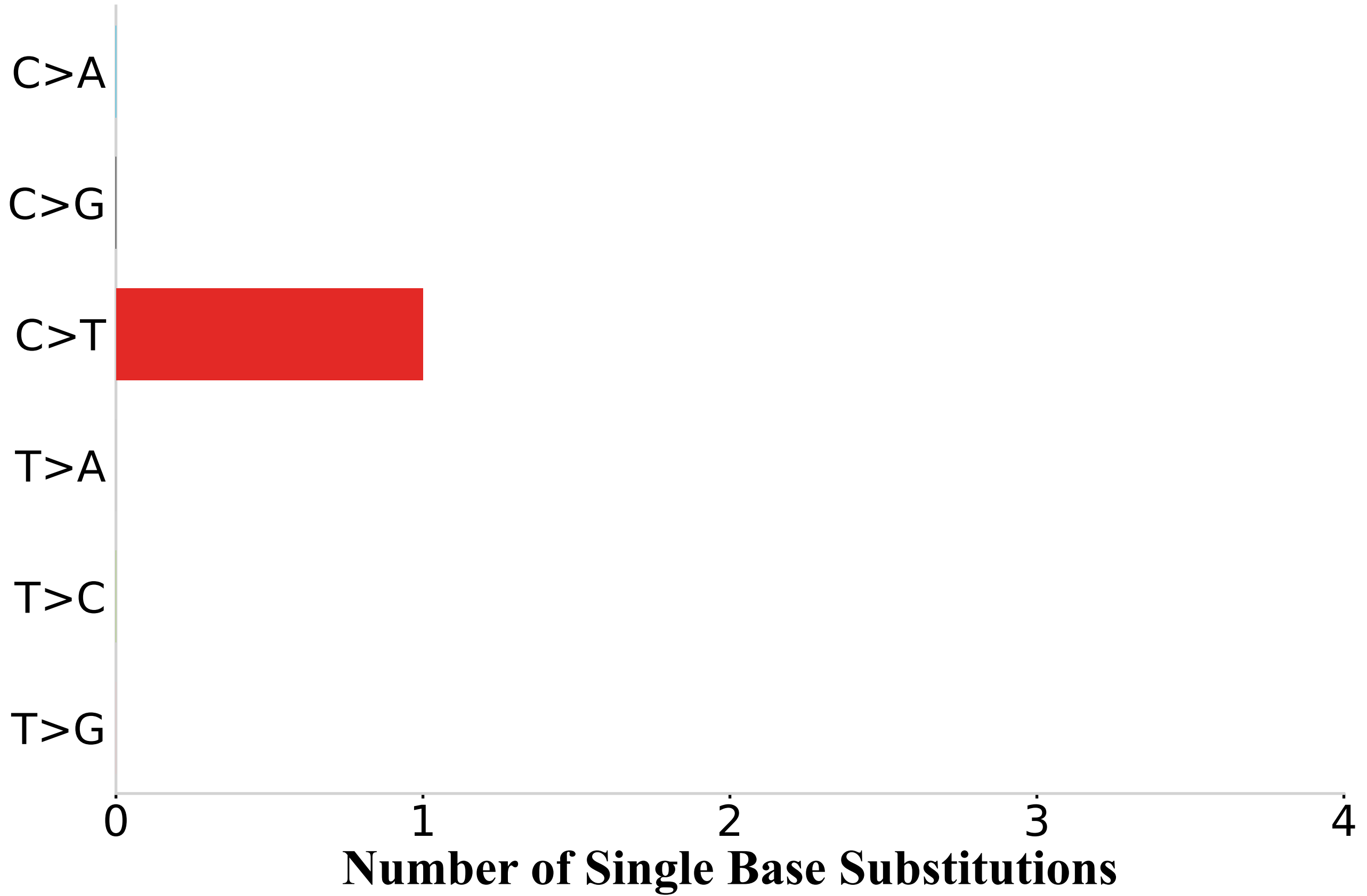
**P-0034678-T01-IM6: 5 subs**



**P-0034912-T01-IM6: 3 subs**



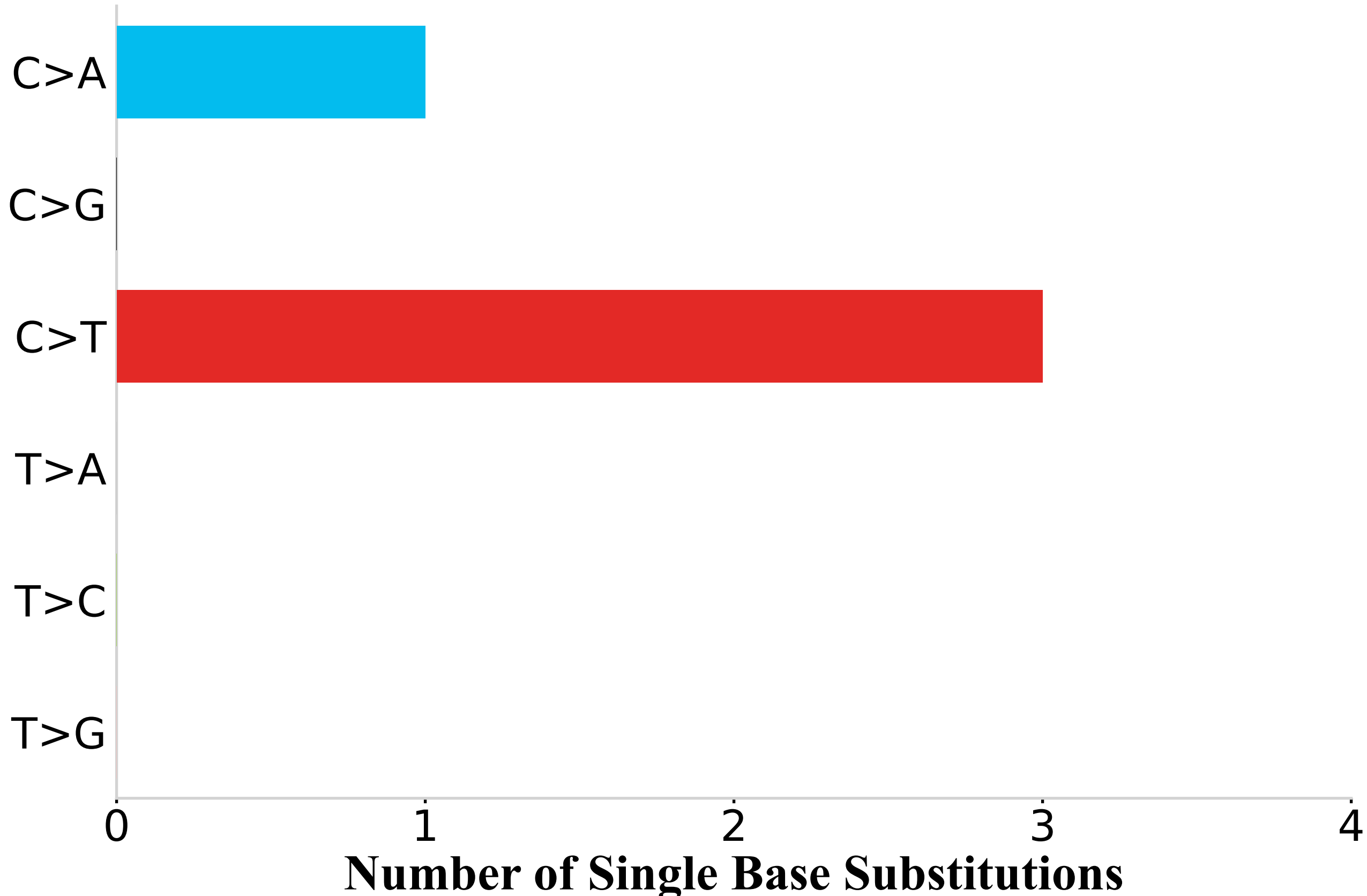
**P-0035228-T01-IM6: 1 subs**



**P-0035300-T02-IM6: 1 subs**

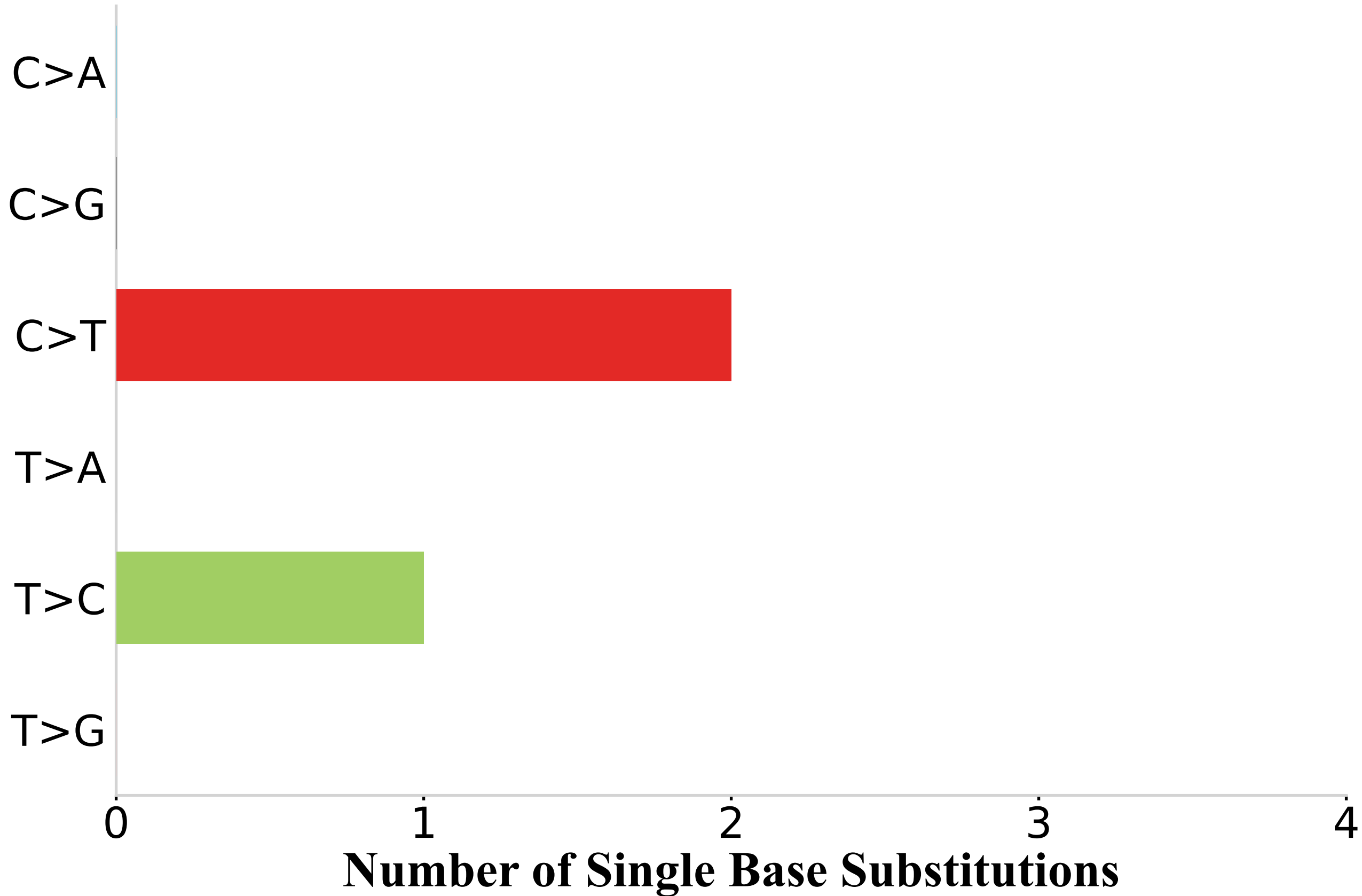


**P-0035373-T01-IM6: 4 subs**

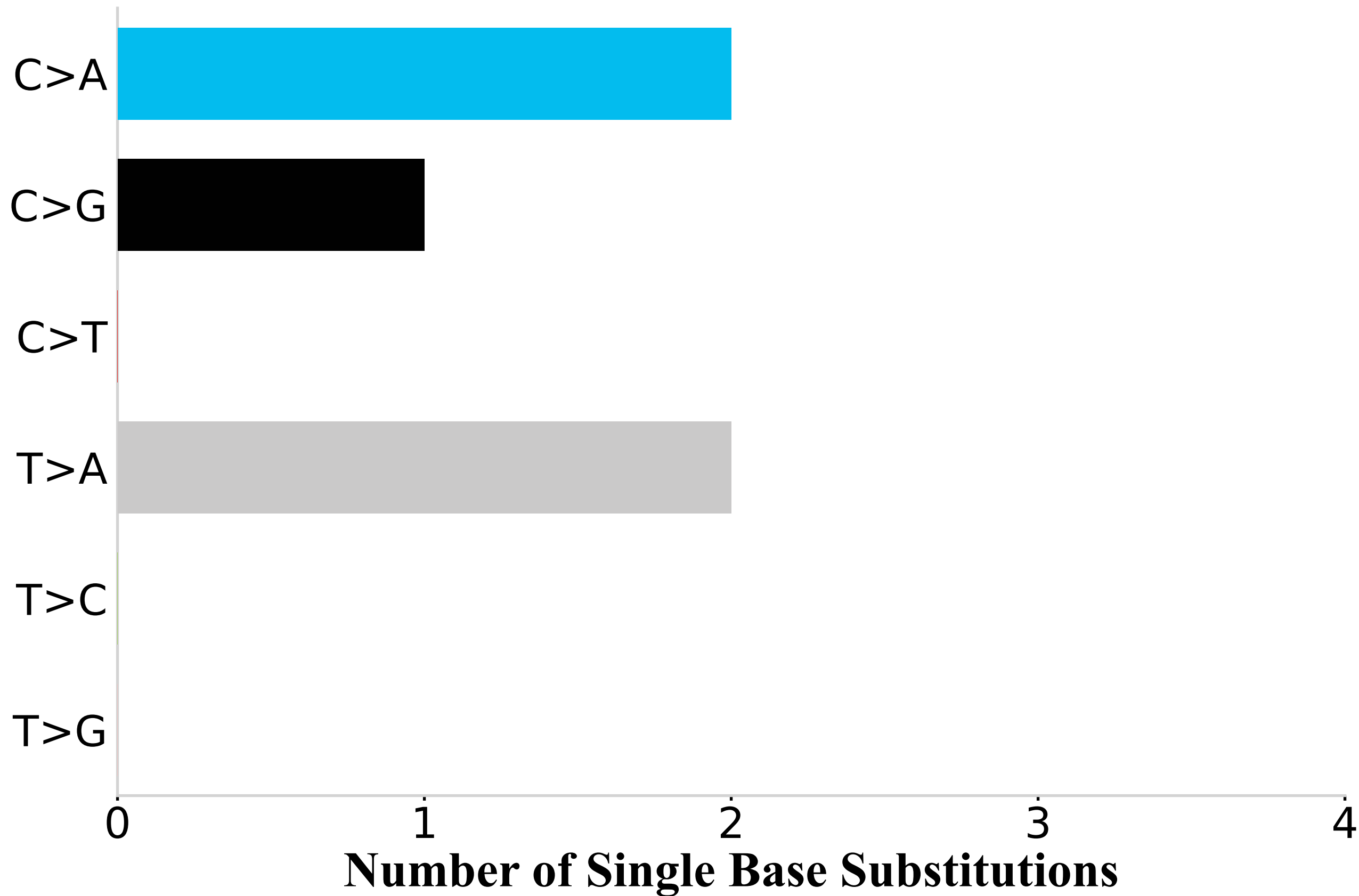




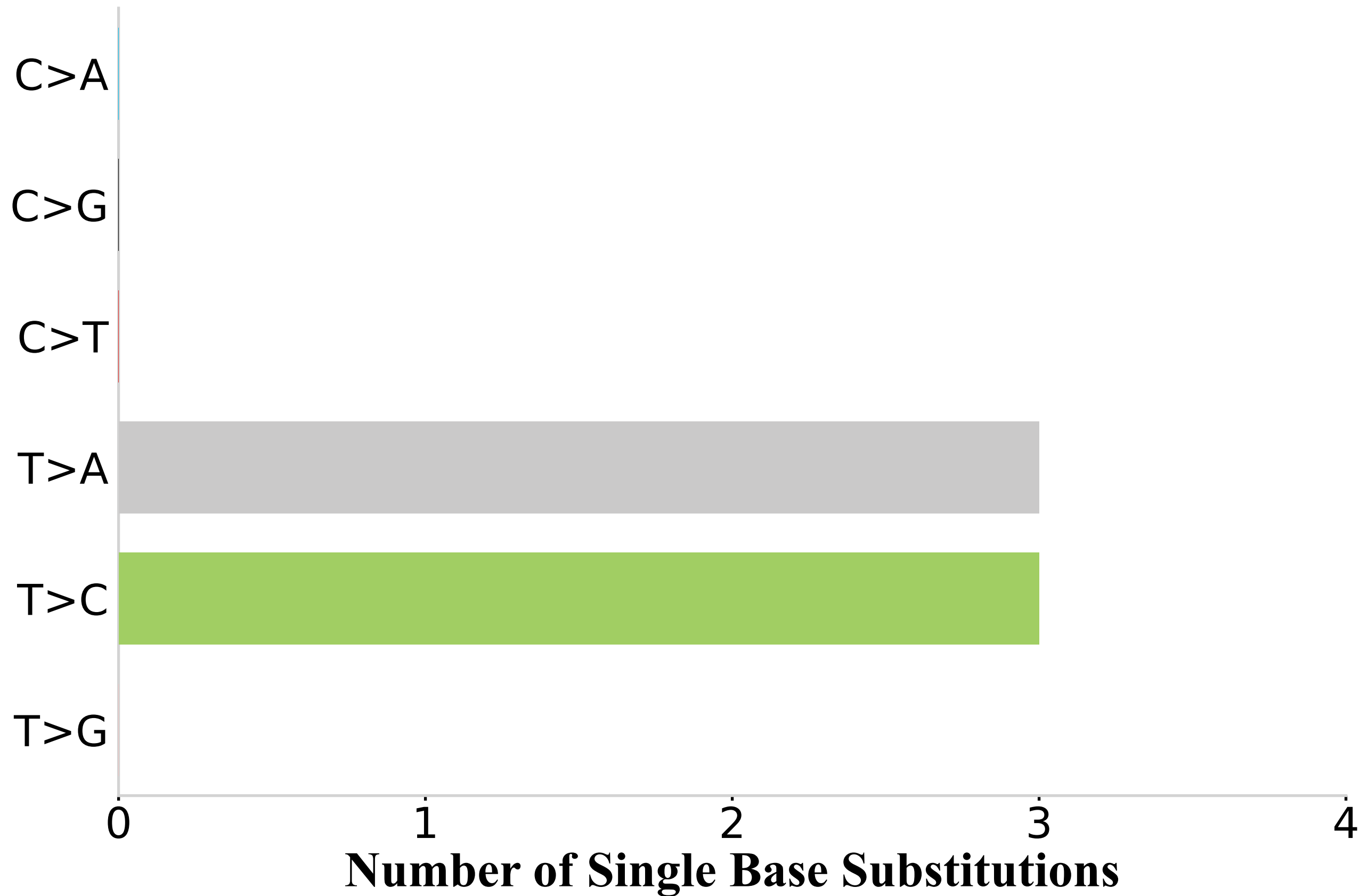
**P-0035551-T01-IM6: 3 subs**



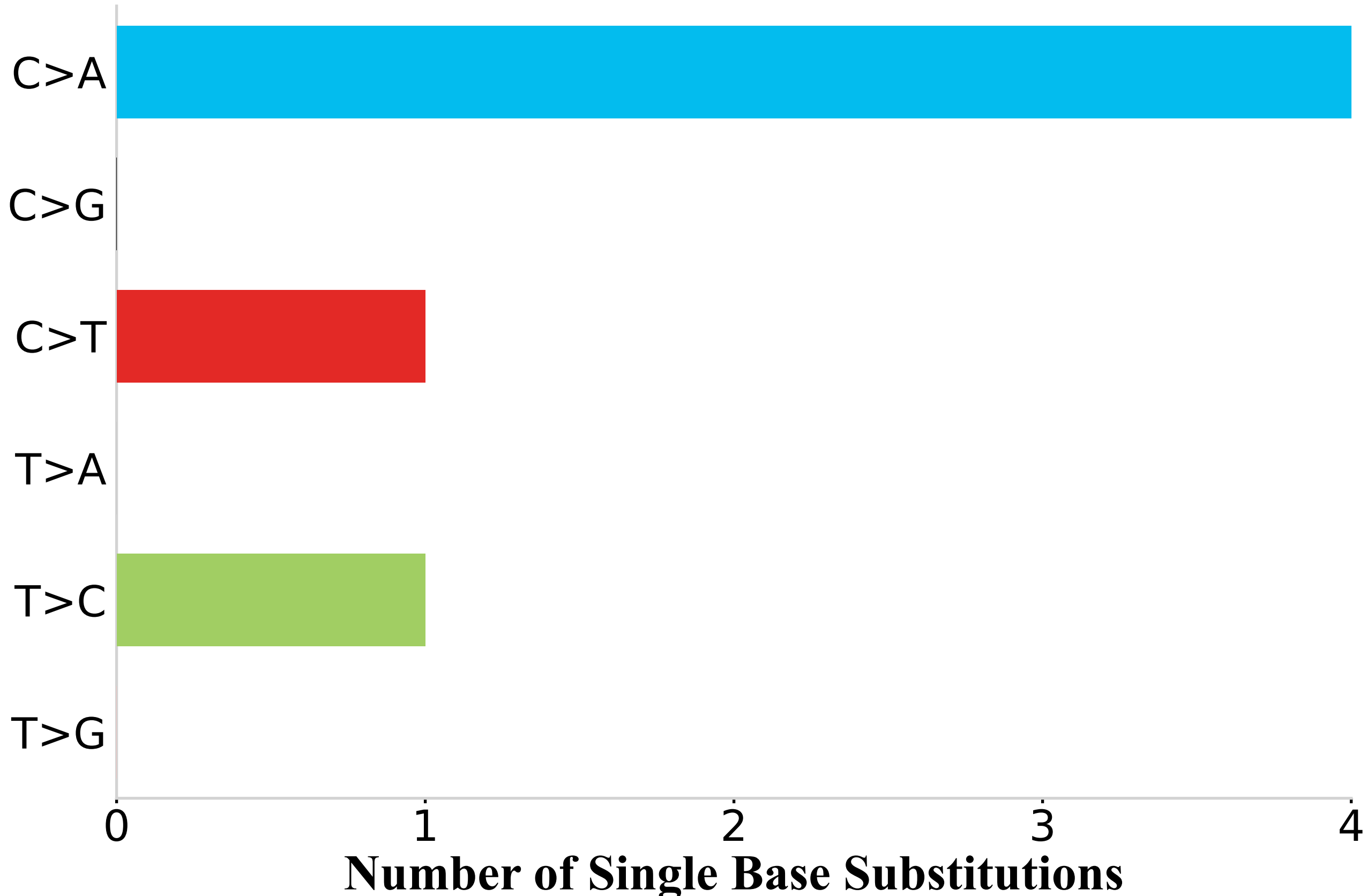
**P-0035583-T01-IM6: 5 subs**



**P-0035872-T01-IM6: 6 subs**



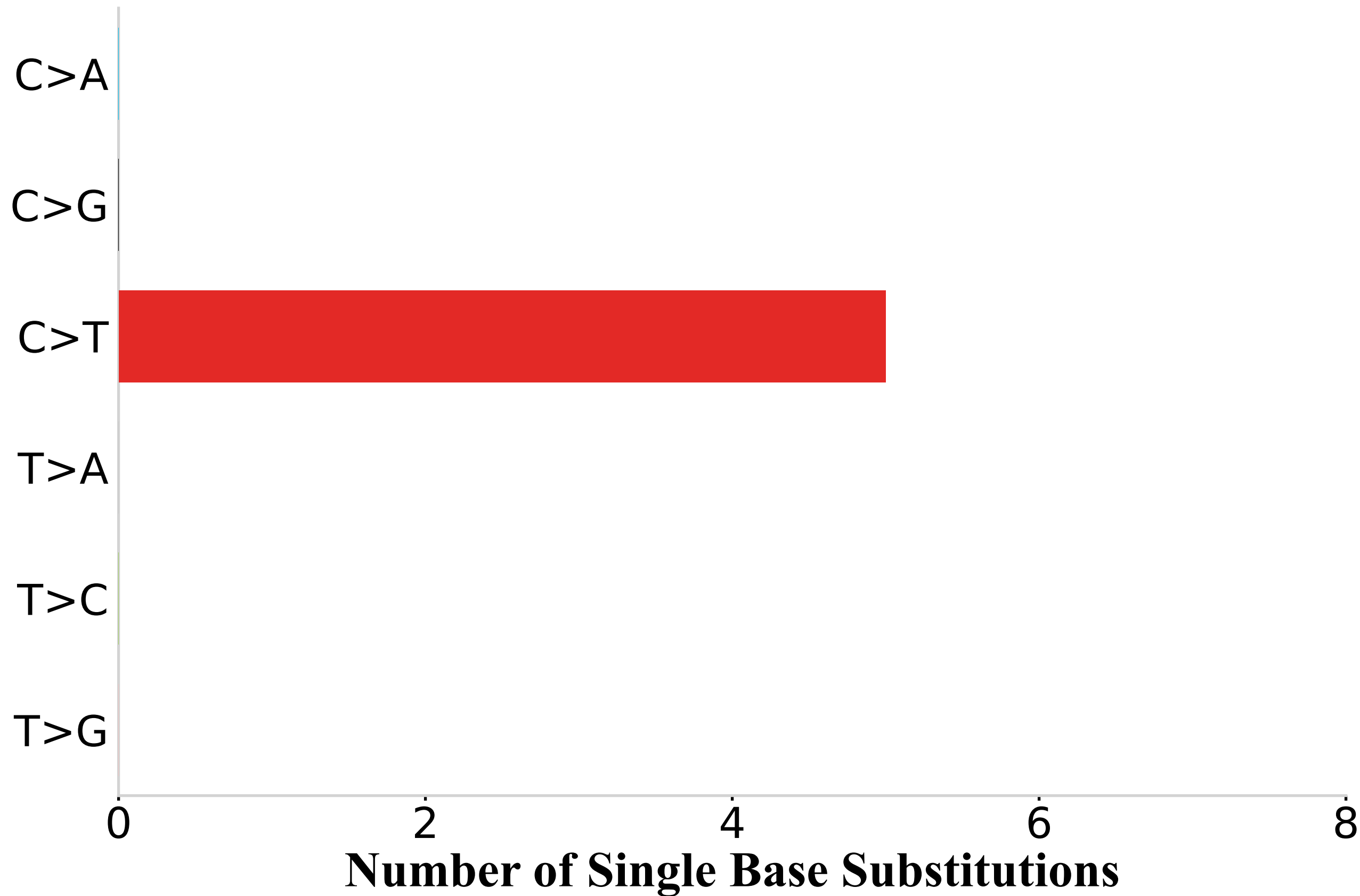
**P-0036280-T01-IM6: 6 subs**



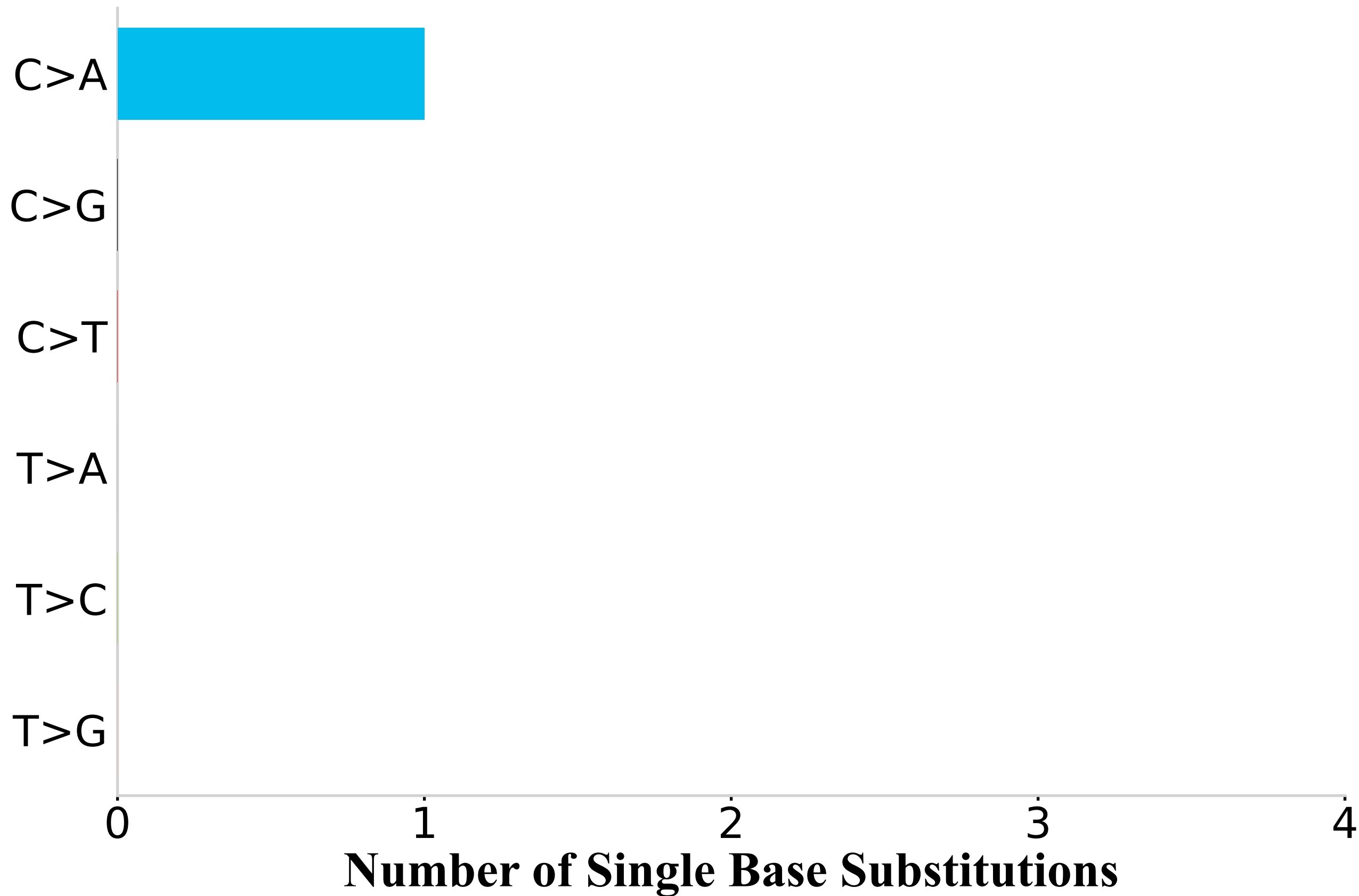
**P-0036398-T01-IM6: 1 subs**



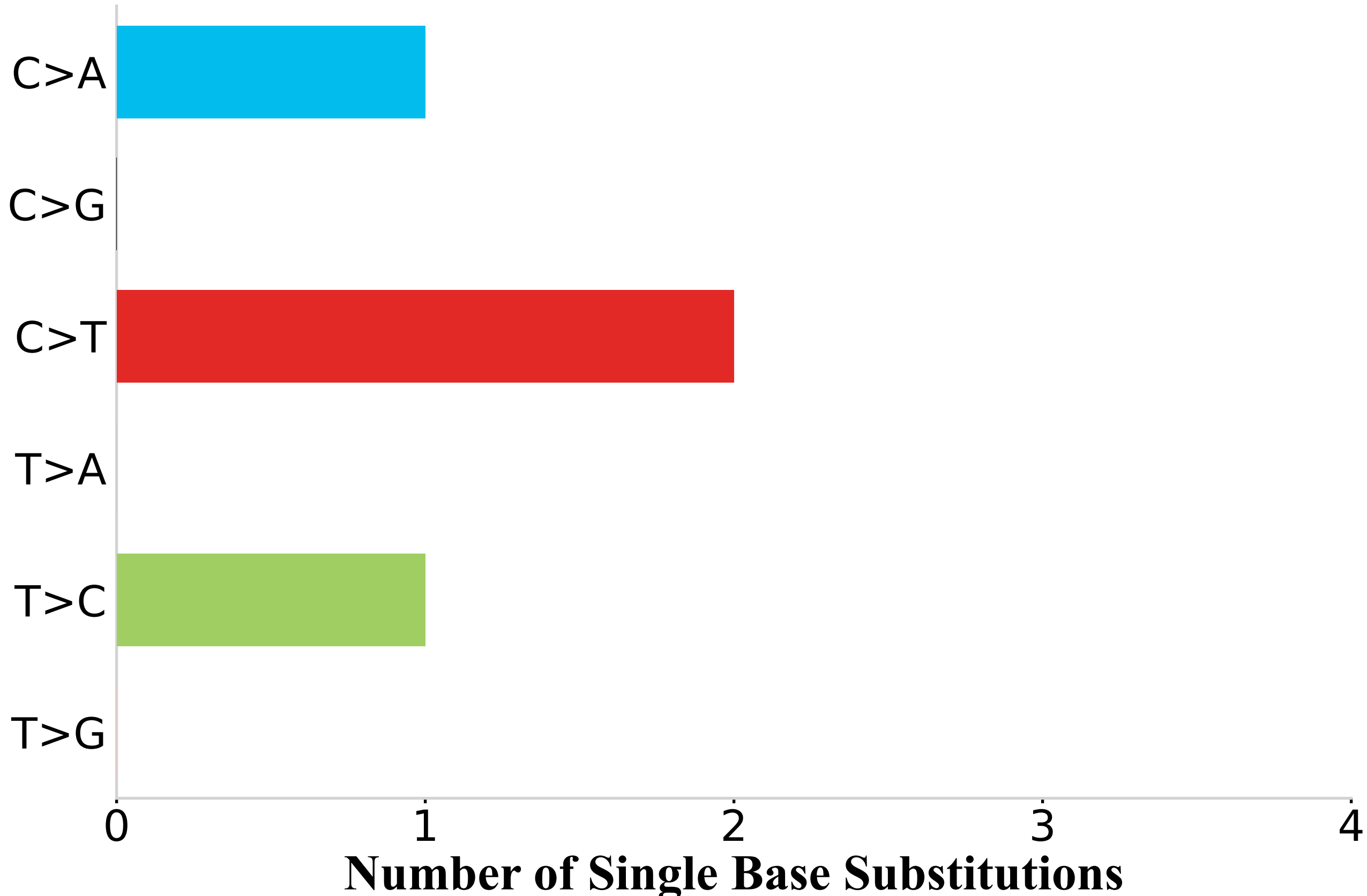
**P-0036428-T01-IM6: 5 subs**



**P-0037089-T01-IM6: 1 subs**

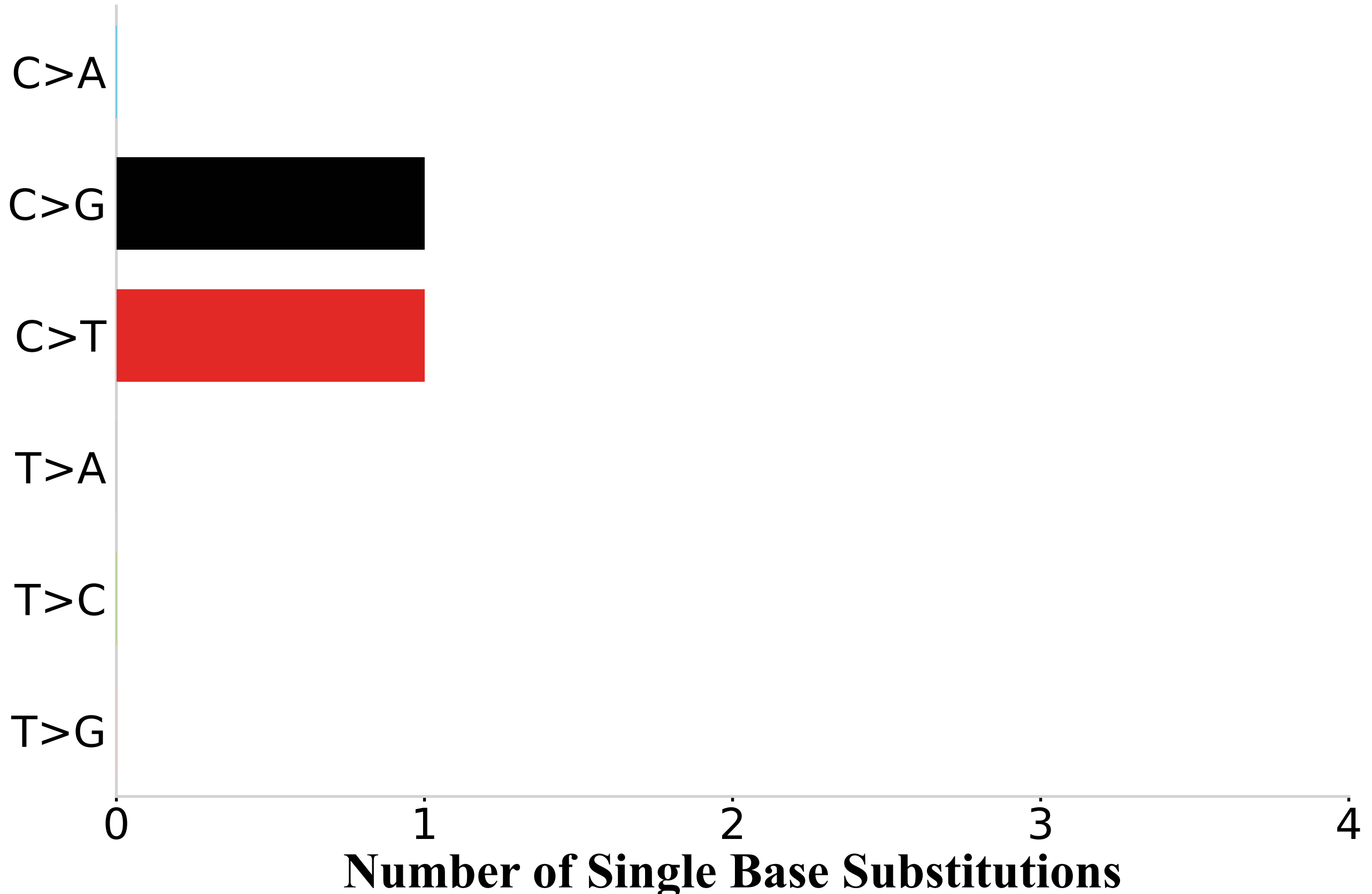


**P-0037516-T01-IM6: 4 subs**

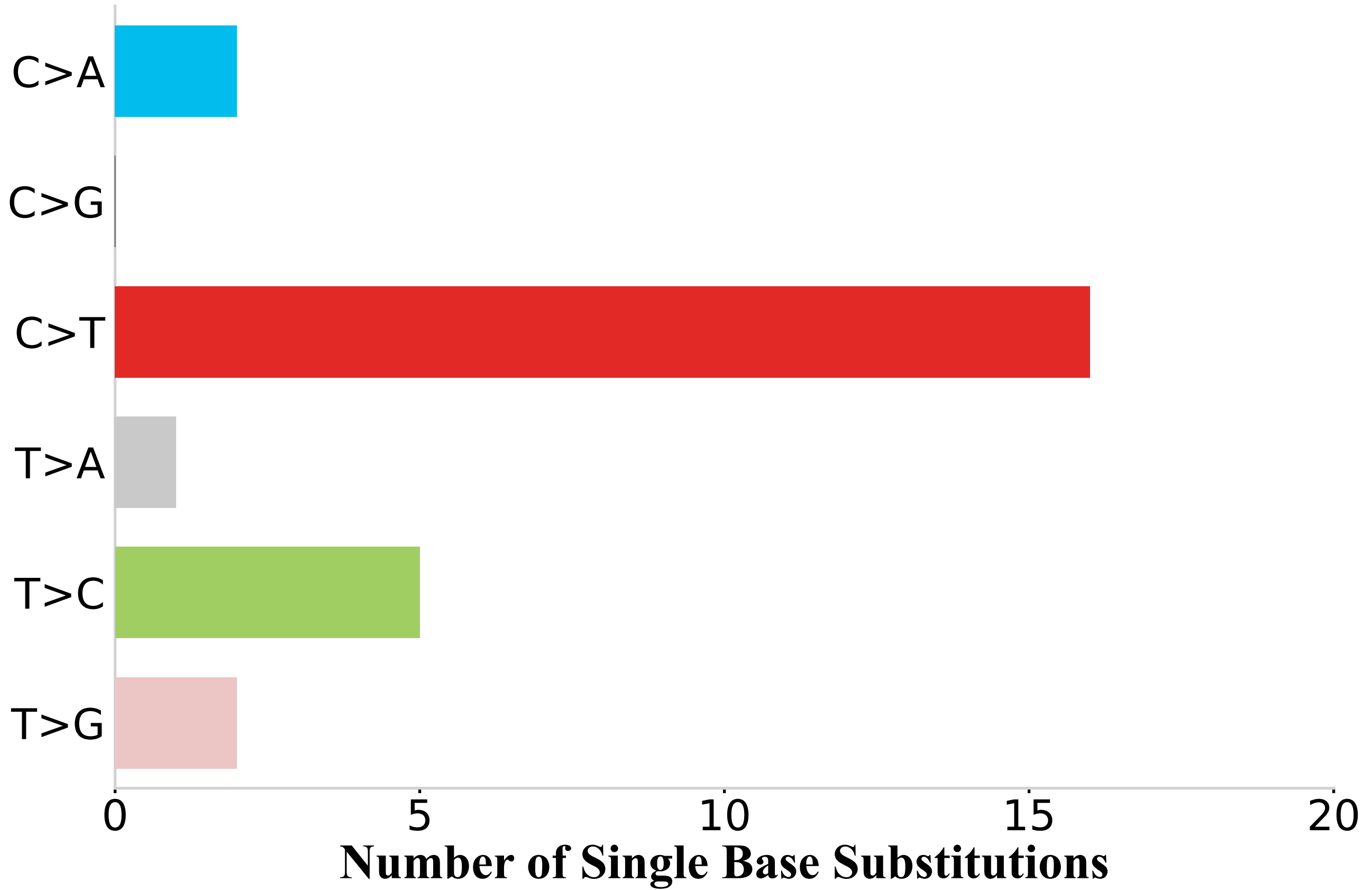




**P-0037625-T01-IM6: 2 subs**



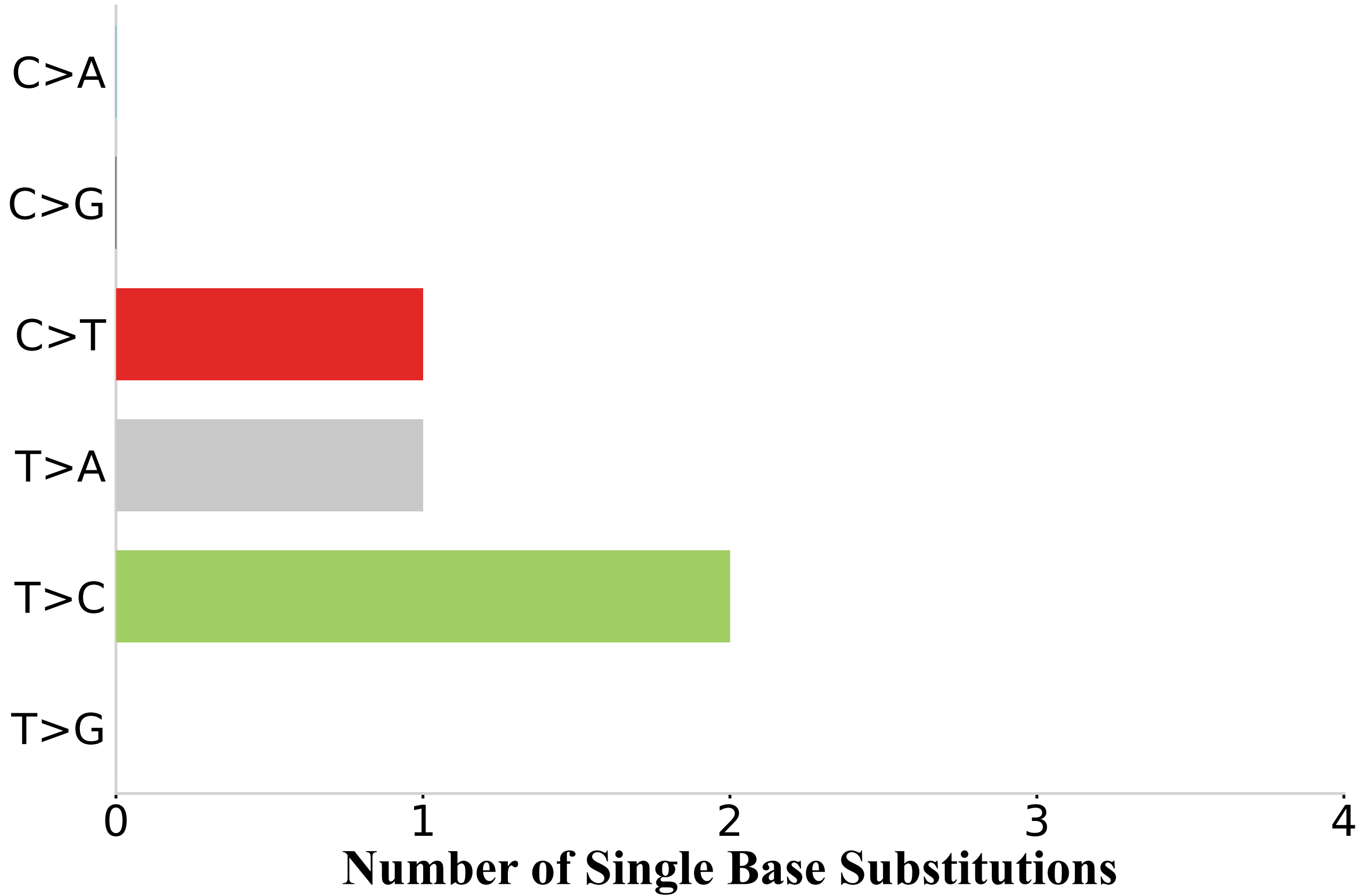
**P-0037758-T01-IM6: 26 subs**



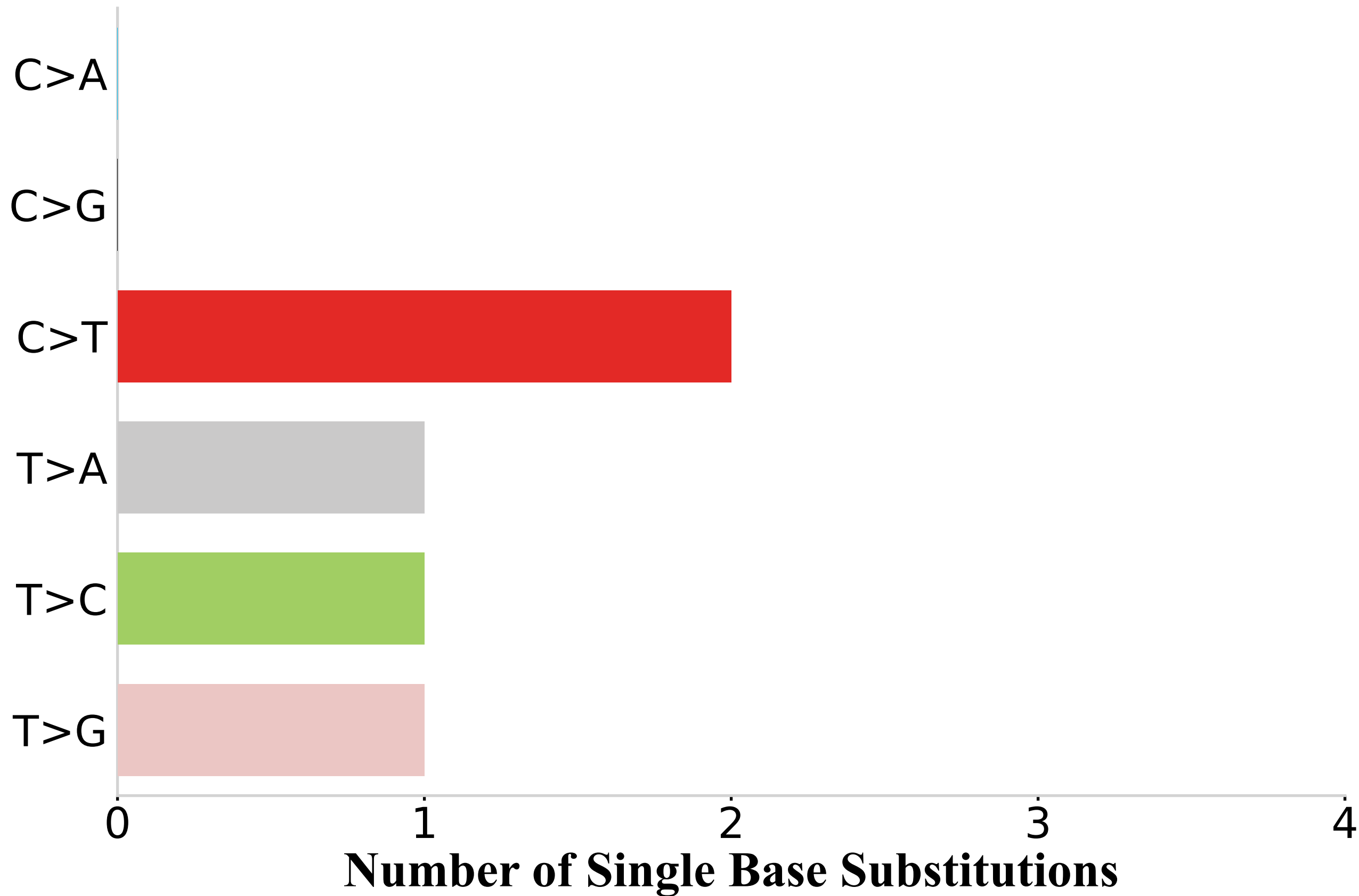
**P-0038316-T01-IM6: 1 subs**



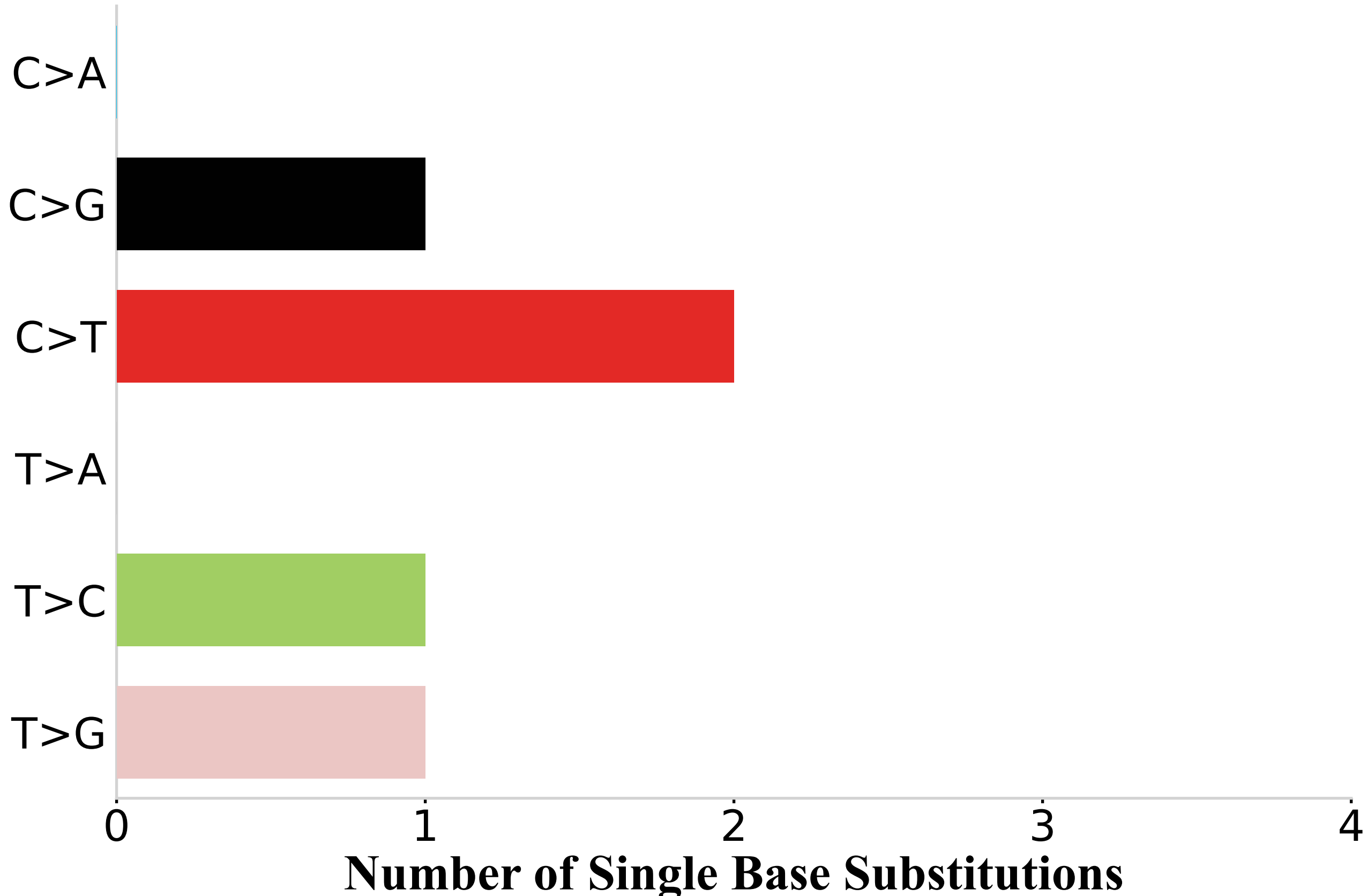
**P-0038527-T01-IM6: 4 subs**



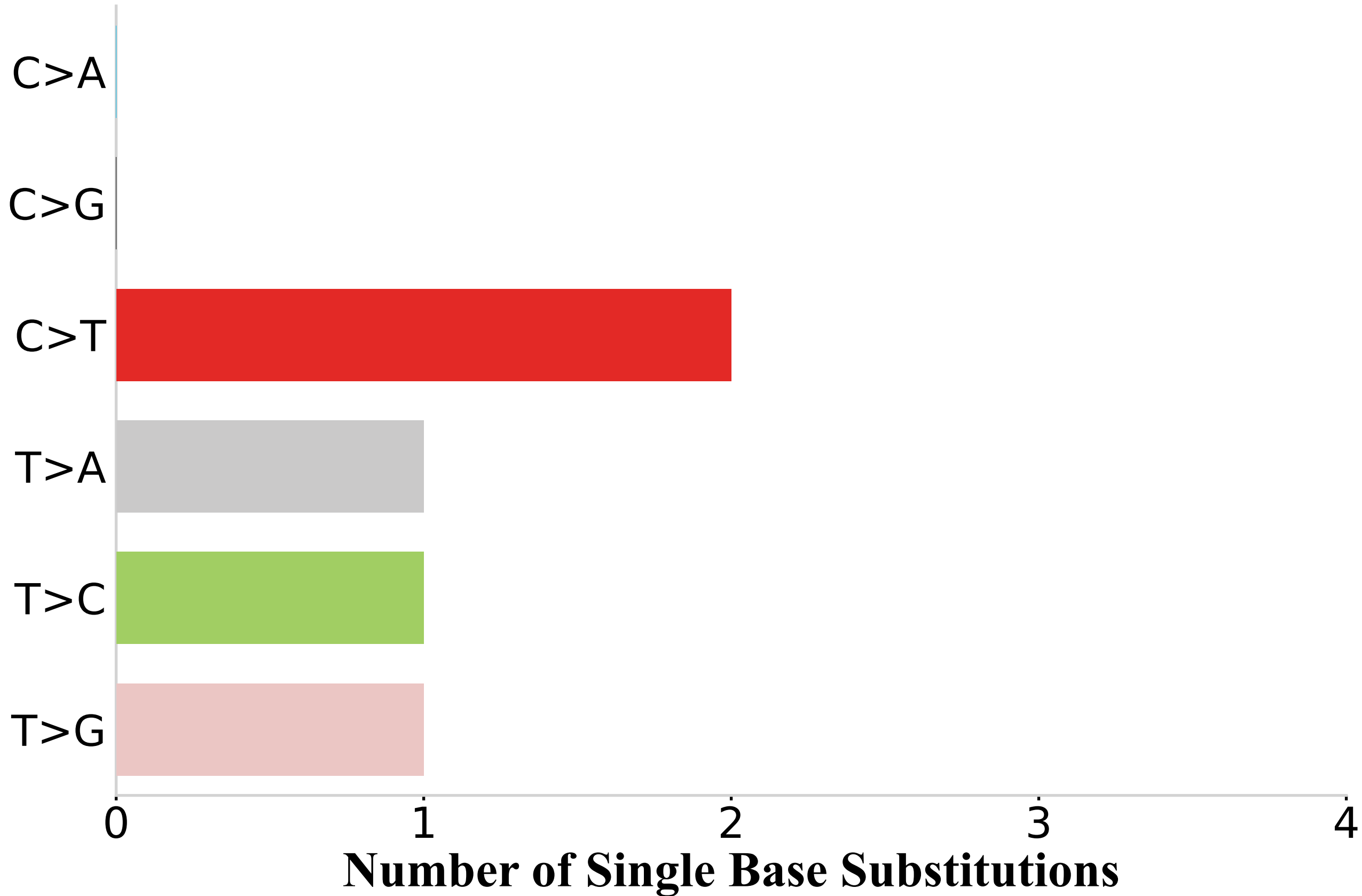
**P-0038810-T01-IM6: 5 subs**



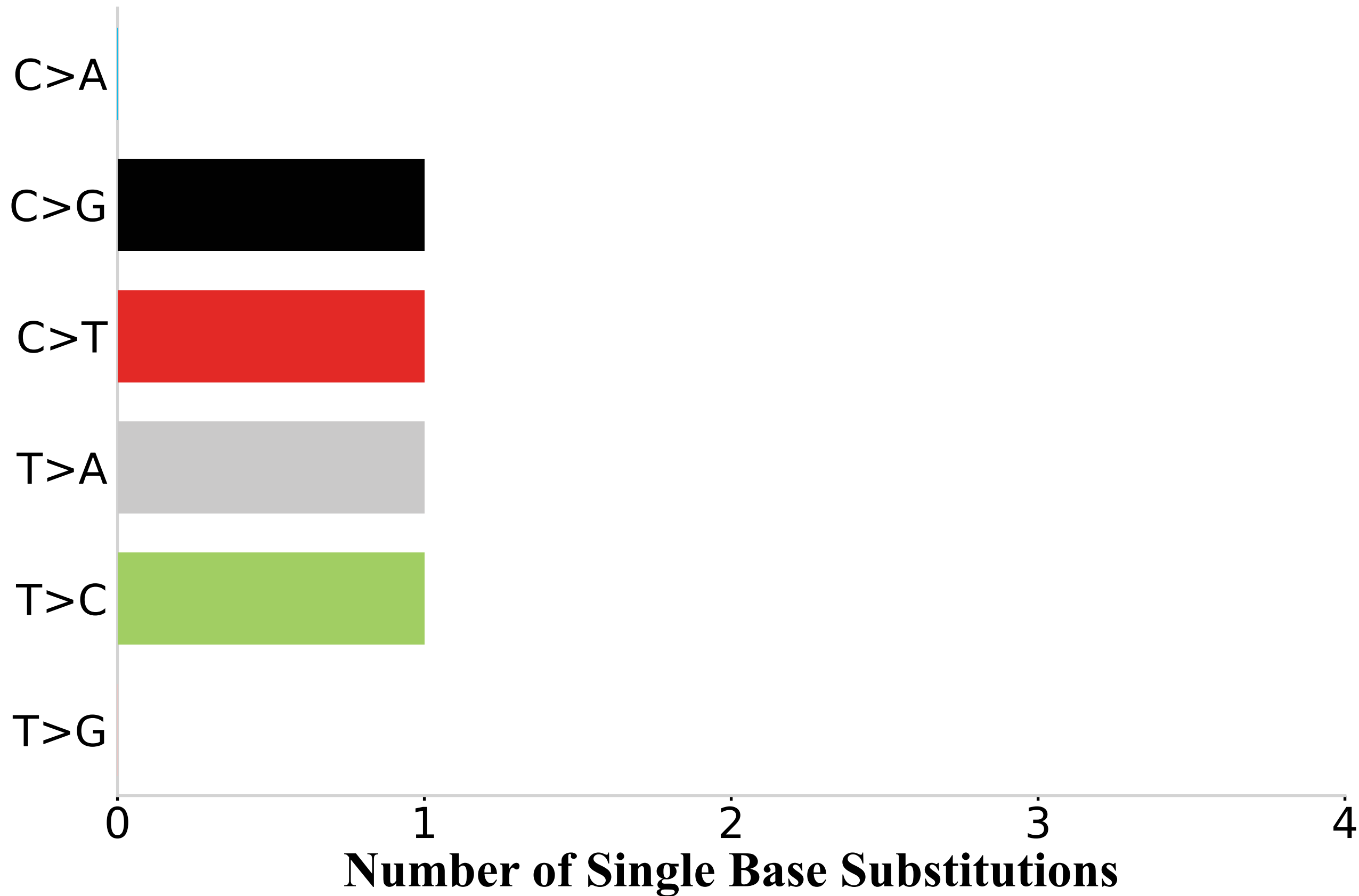
**P-0038836-T01-IM6: 5 subs**



**P-0039043-T01-IM6: 5 subs**

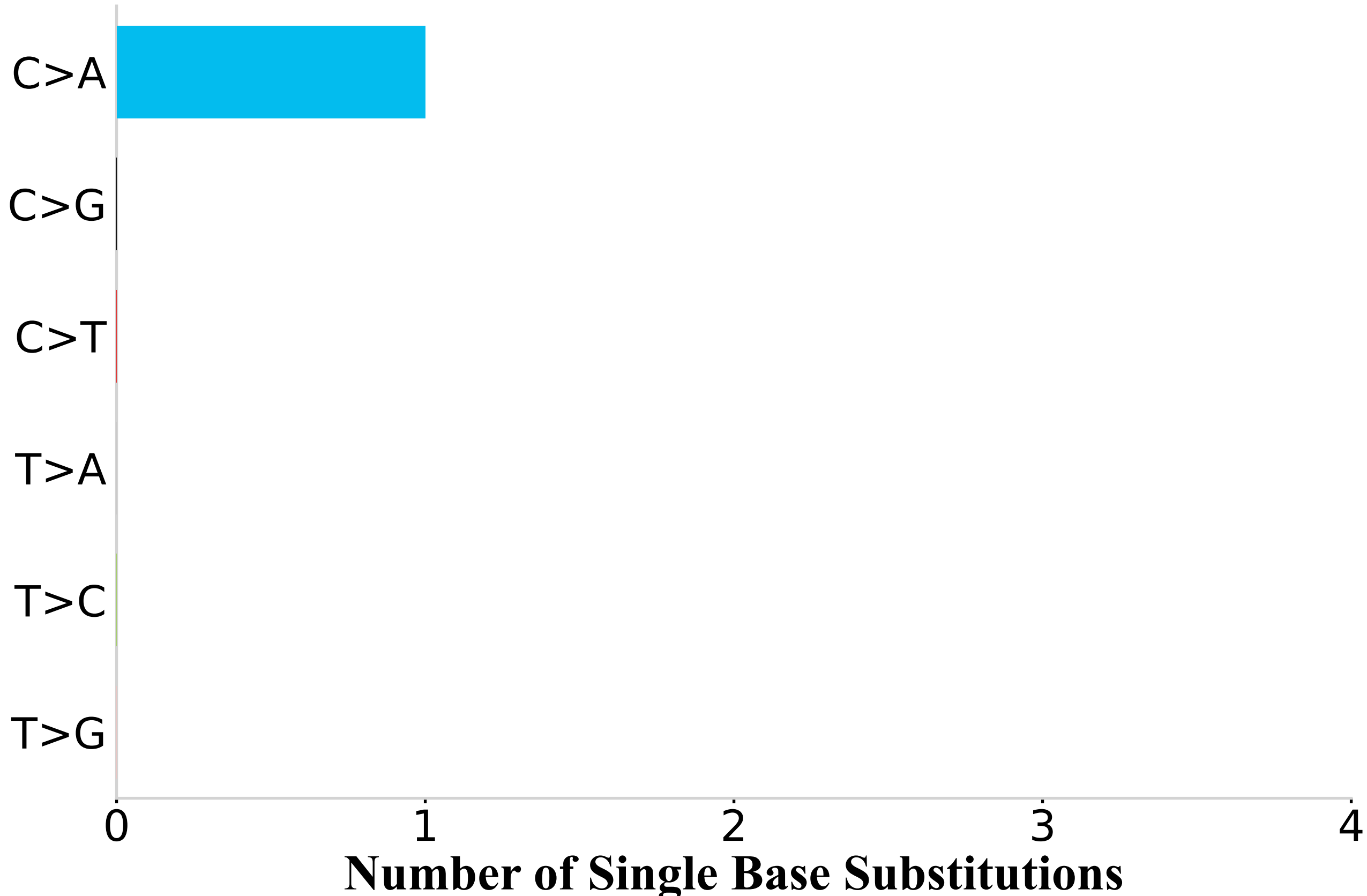


**P-0039634-T01-IM6: 4 subs**

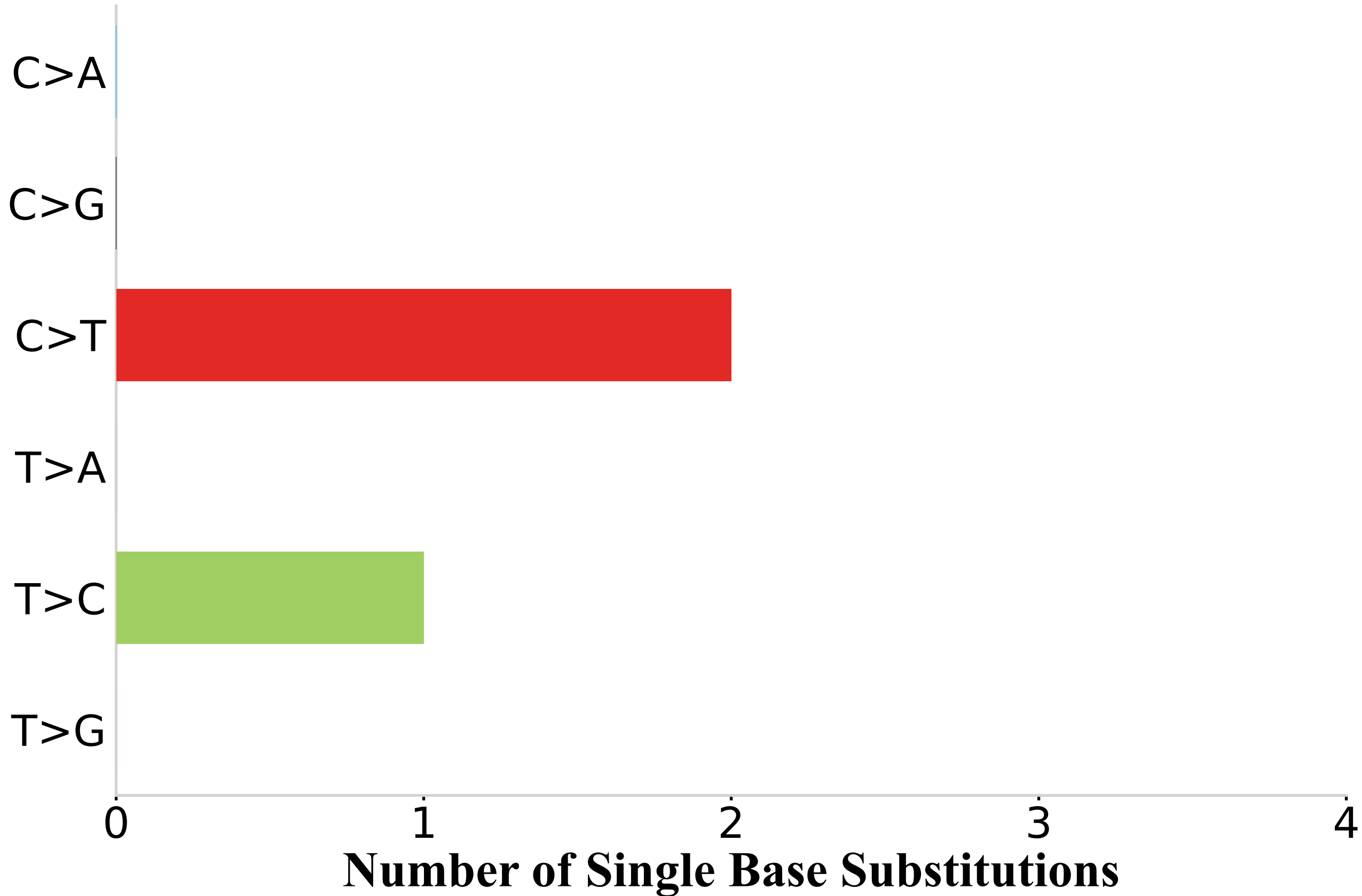




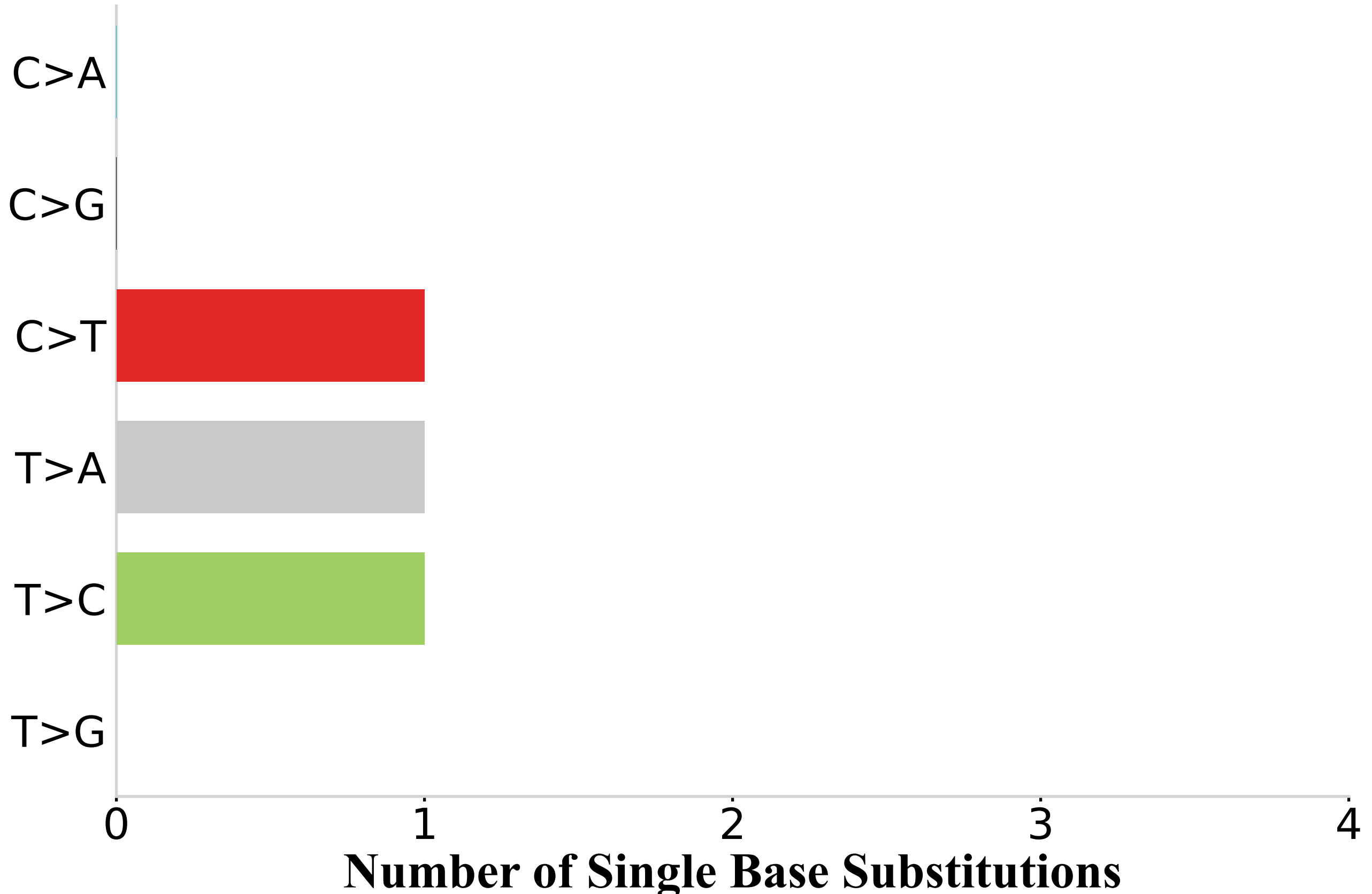
**P-0039640-T01-IM6: 1 subs**



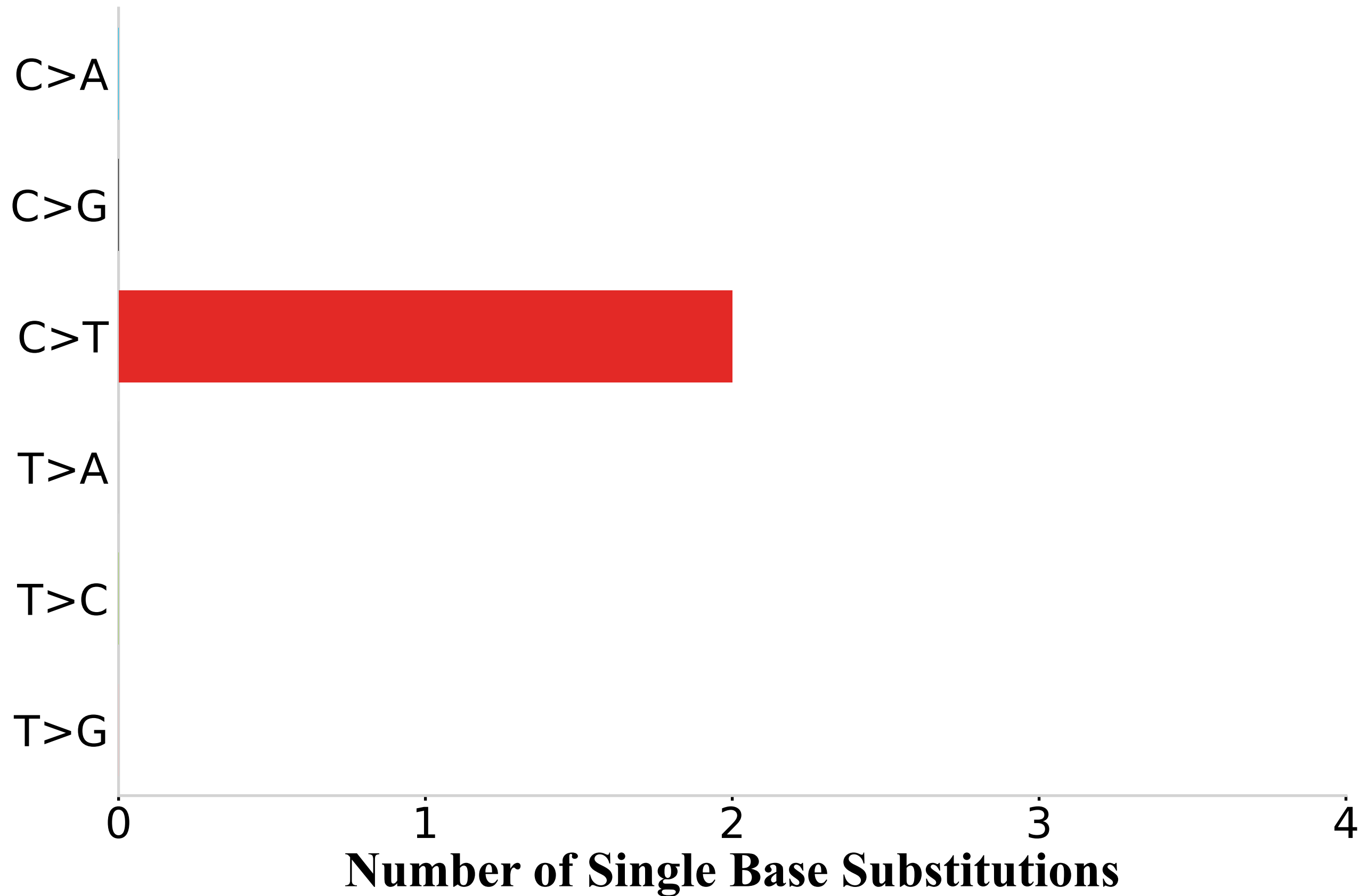
**P-0041214-T01-IM6: 3 subs**



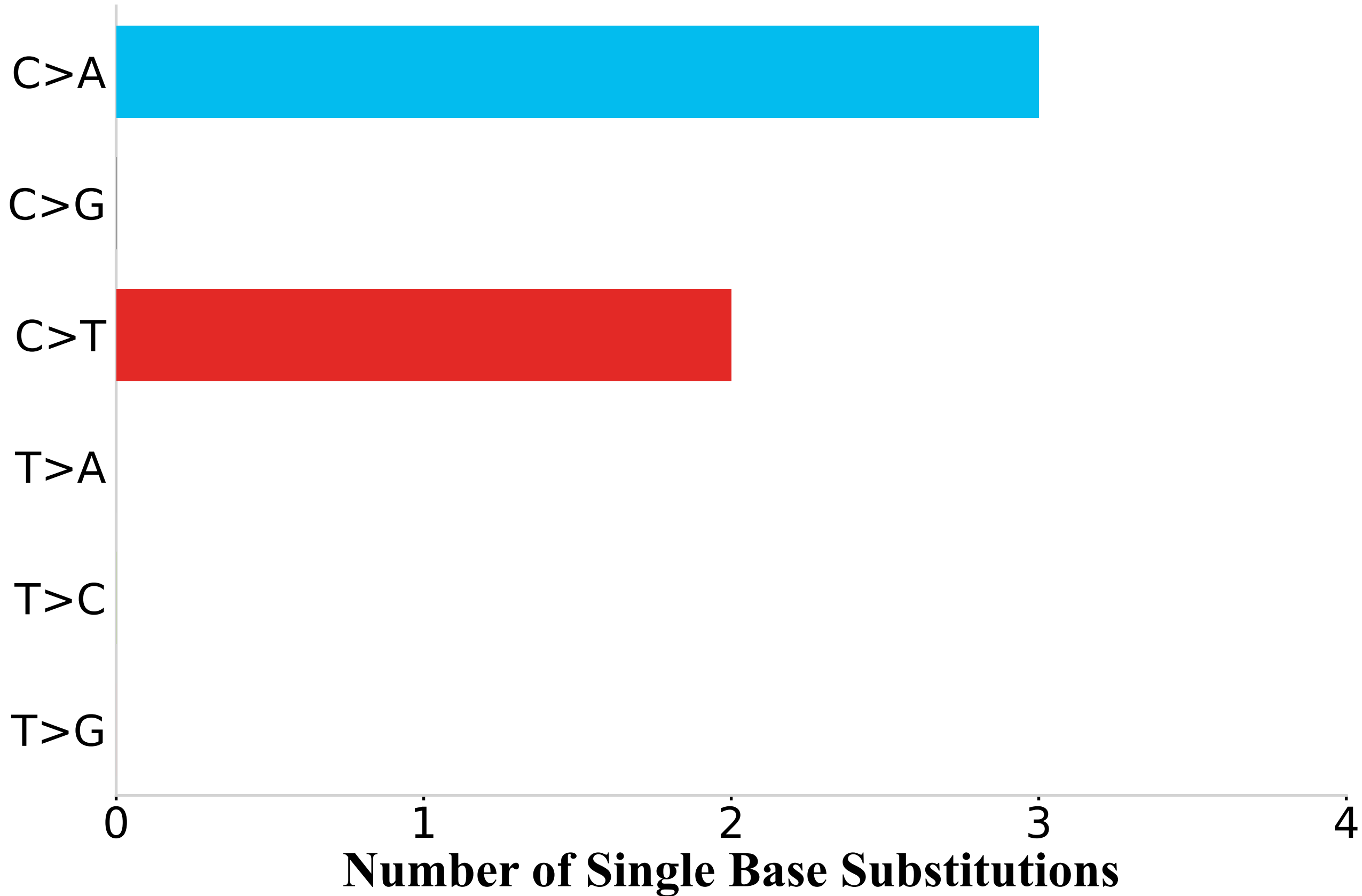
**P-0041268-T01-IM6: 3 subs**



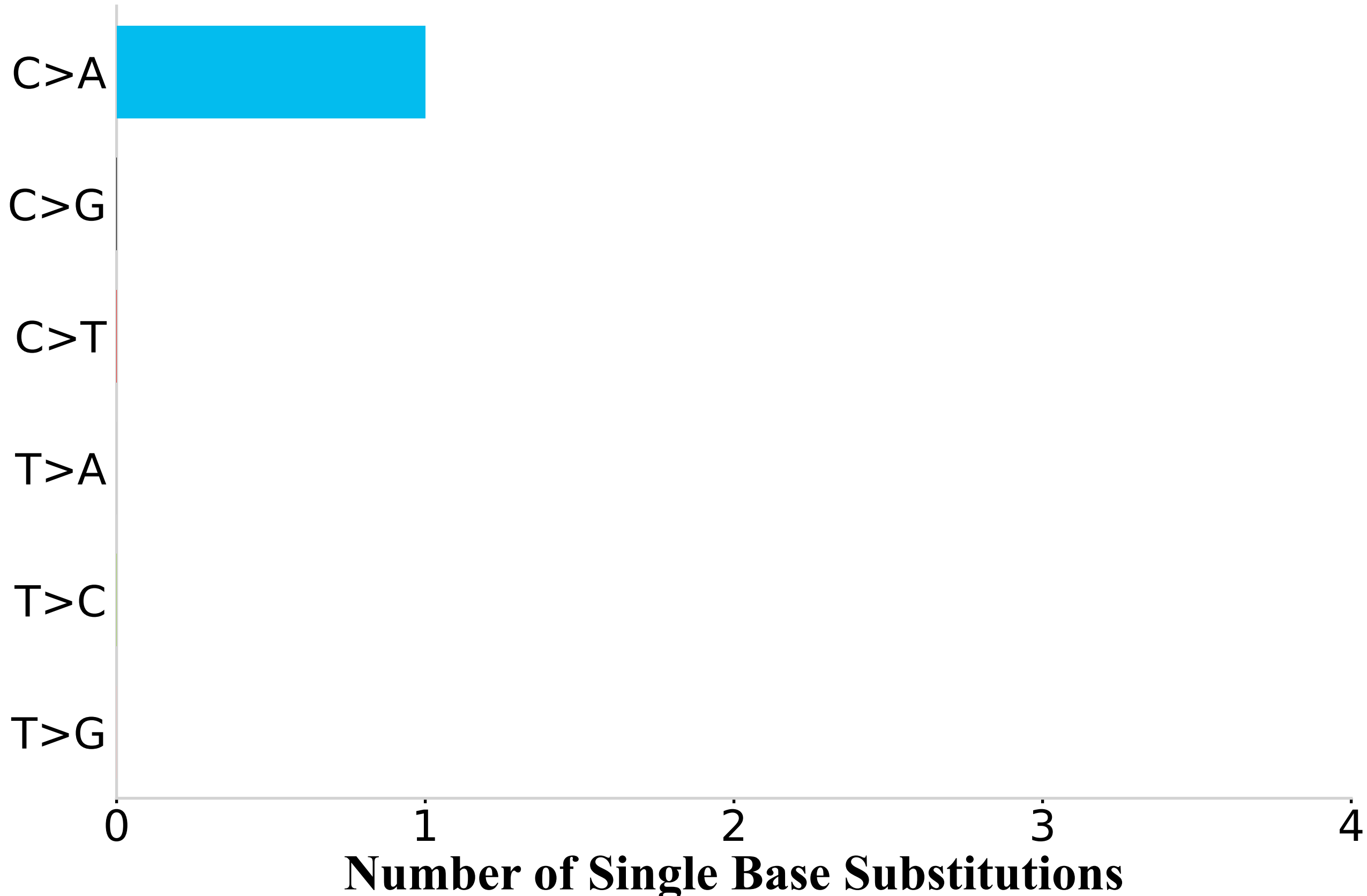
**P-0041326-T01-IM6: 2 subs**



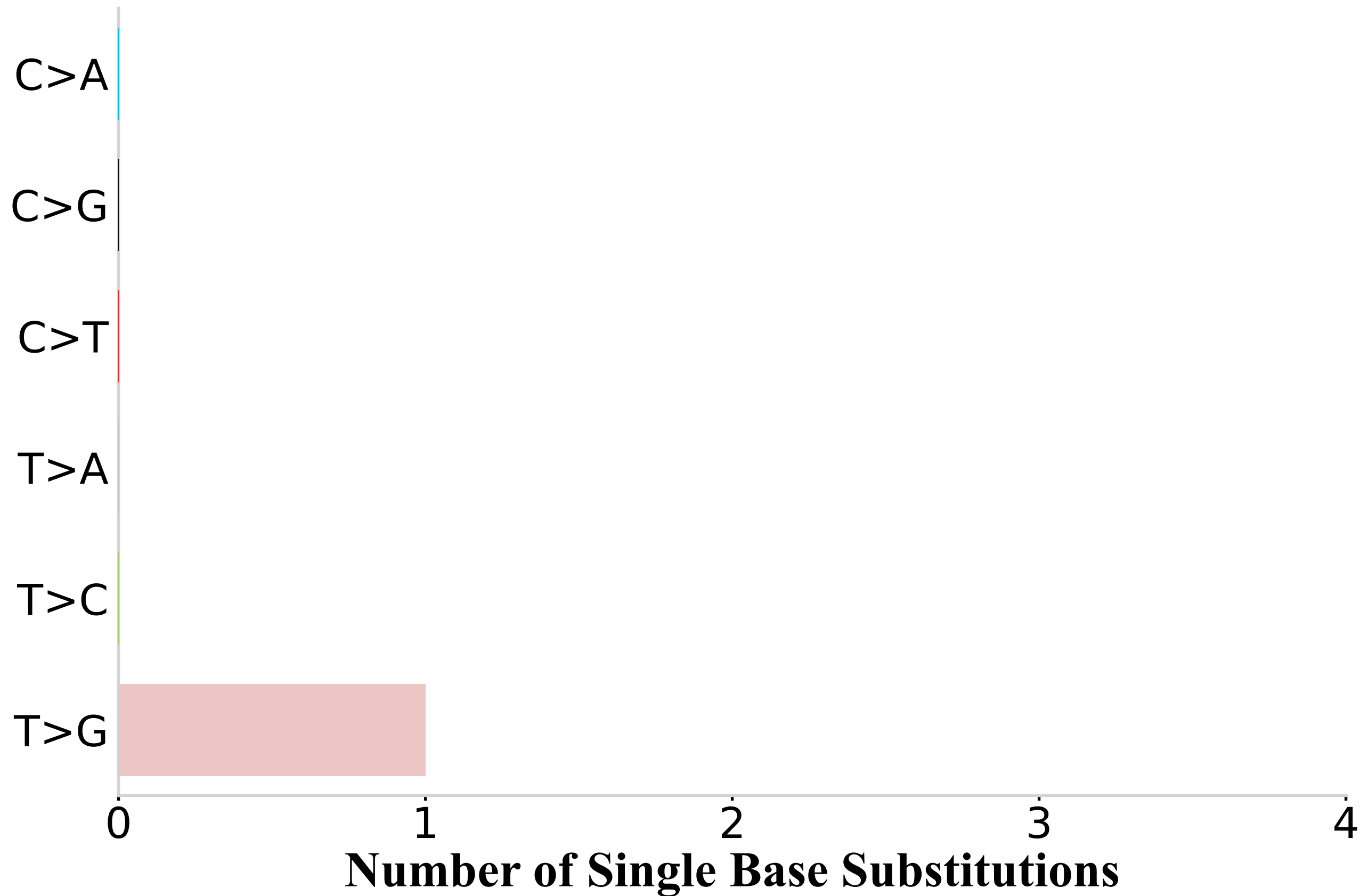
**P-0042708-T01-IM6: 5 subs**



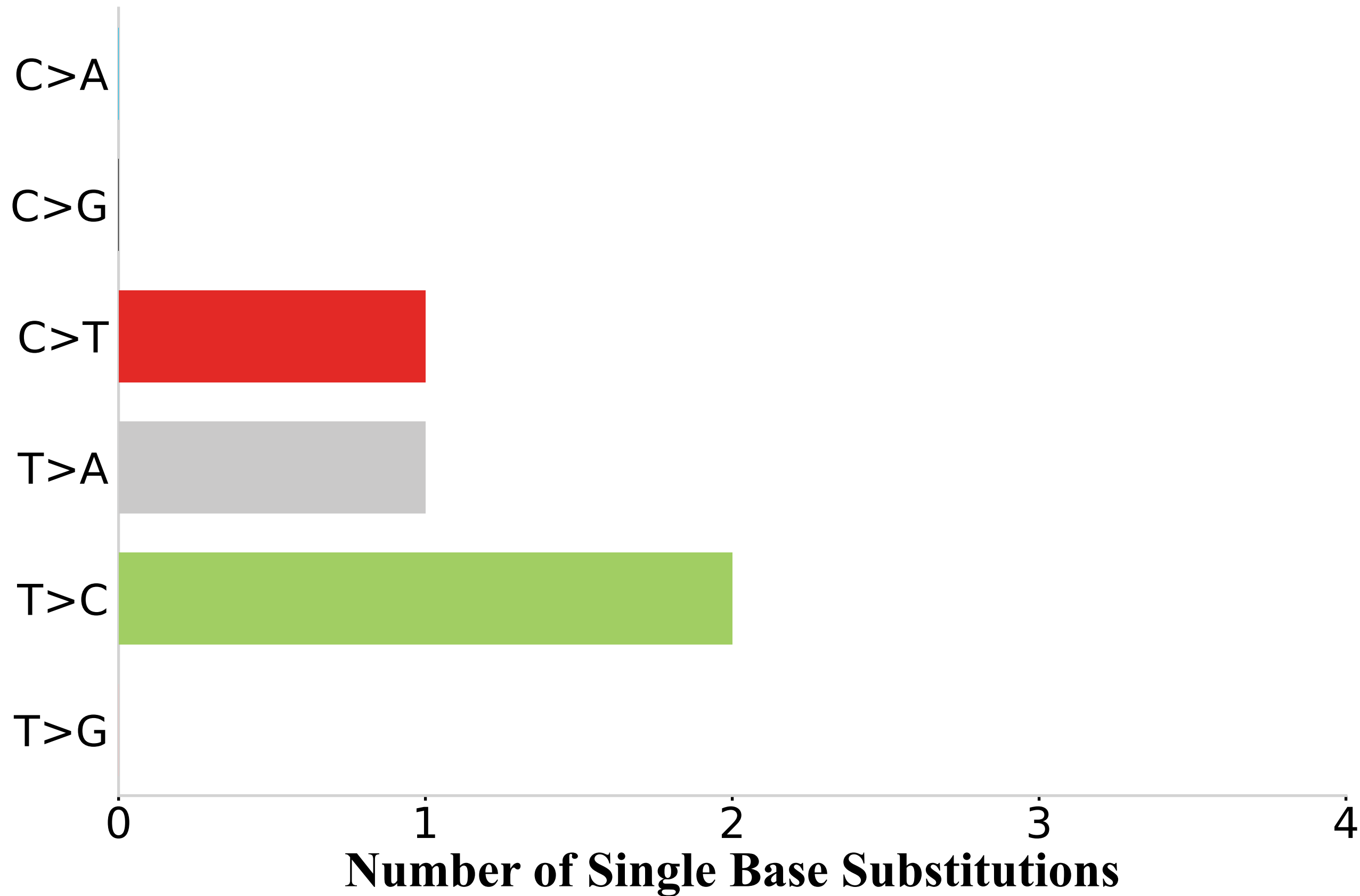
**P-0042784-T01-IM6: 1 subs**



**P-0044038-T01-IM6: 1 subs**

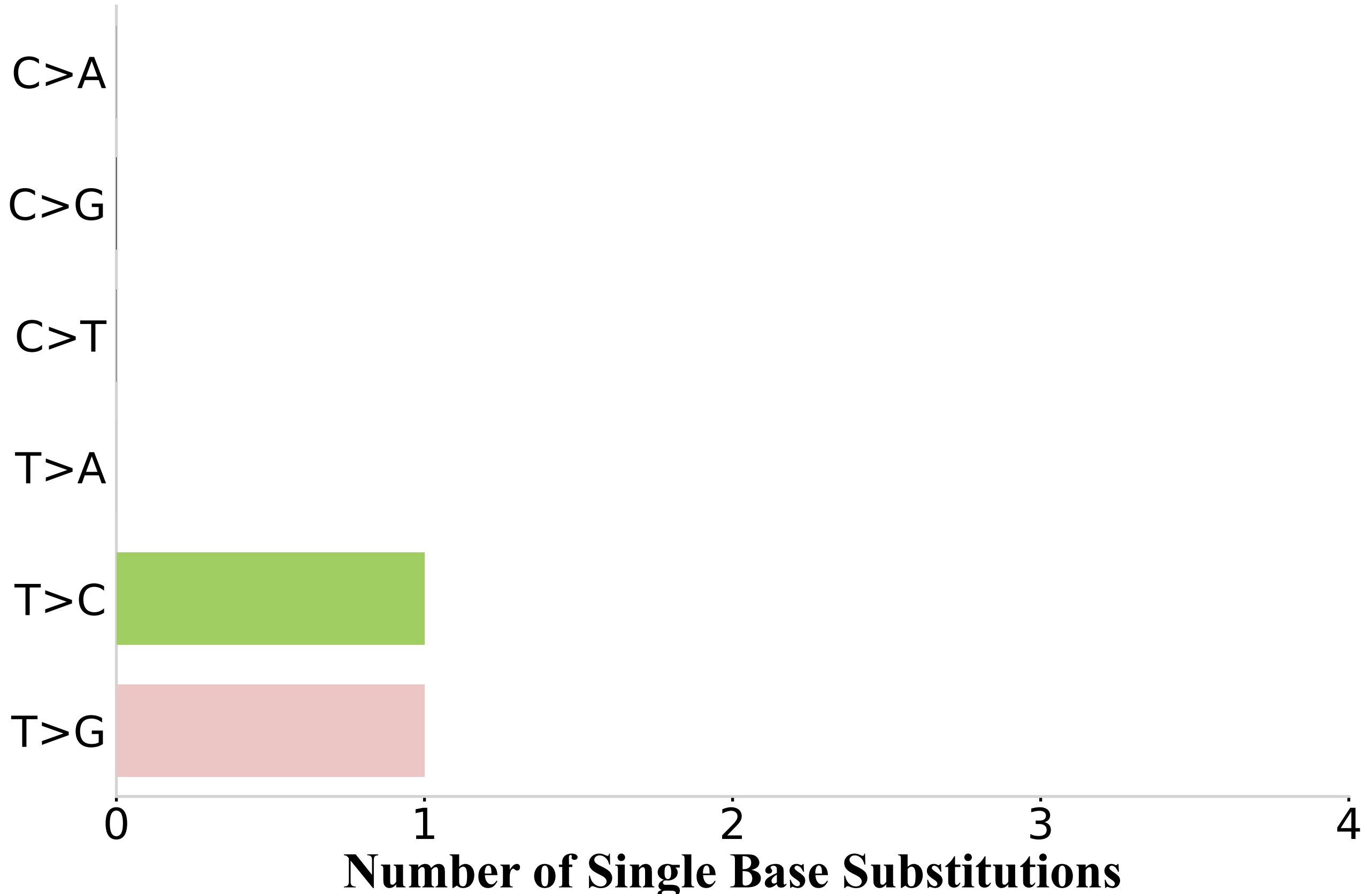


**P-0044337-T01-IM6: 4 subs**

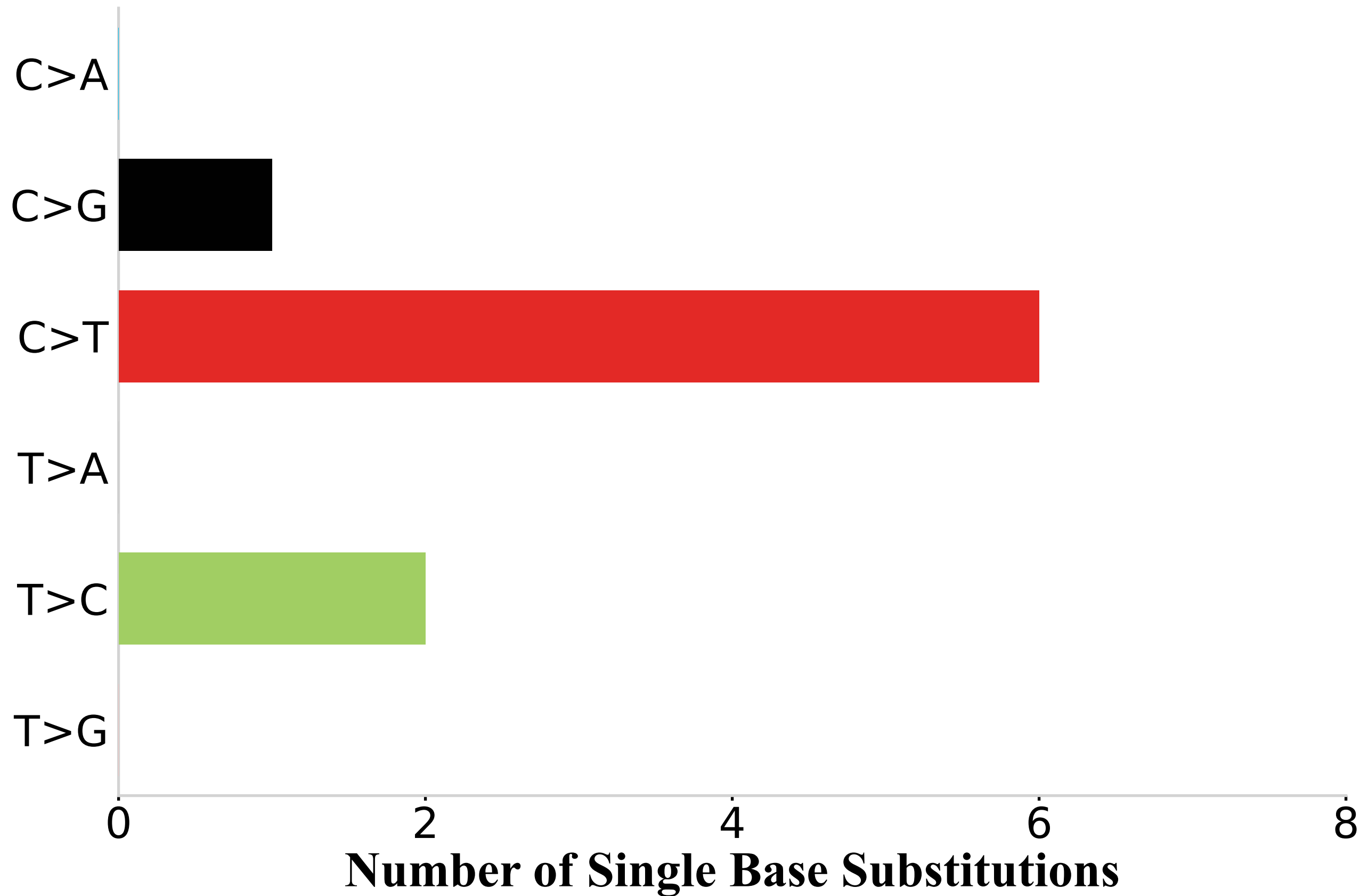




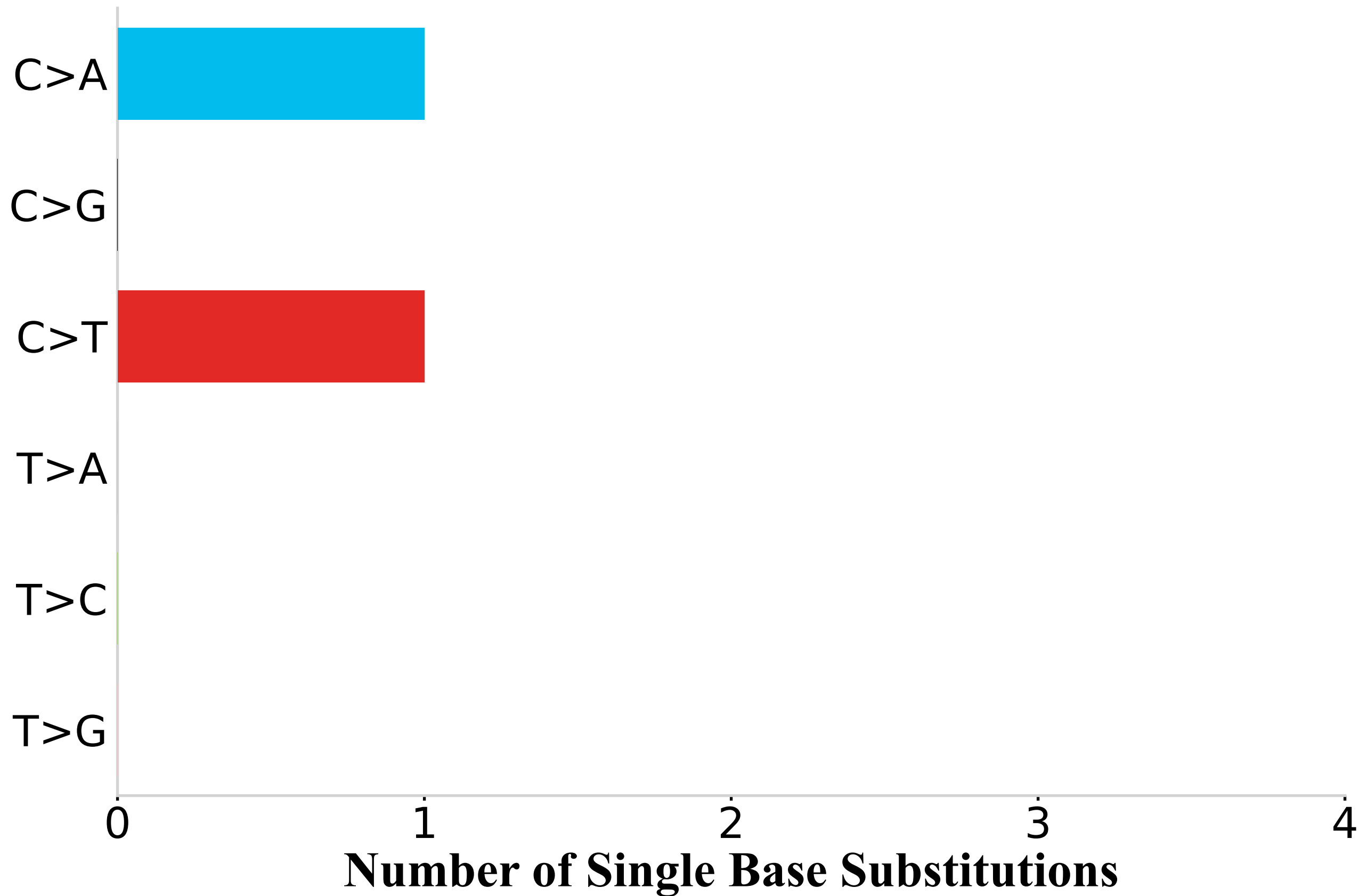
**P-0044968-T01-IM6: 2 subs**



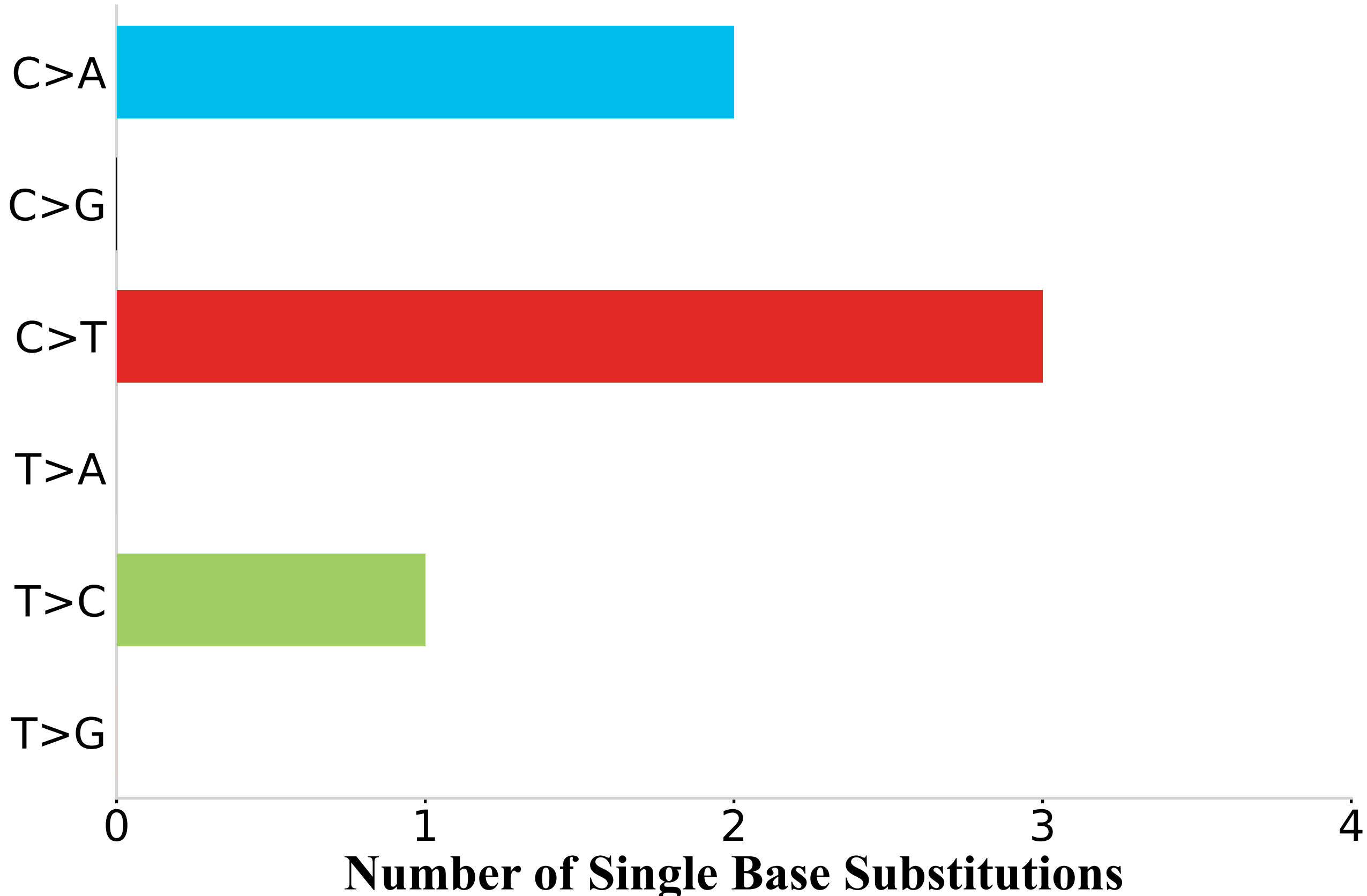
**P-0045058-T01-IM6: 9 subs**



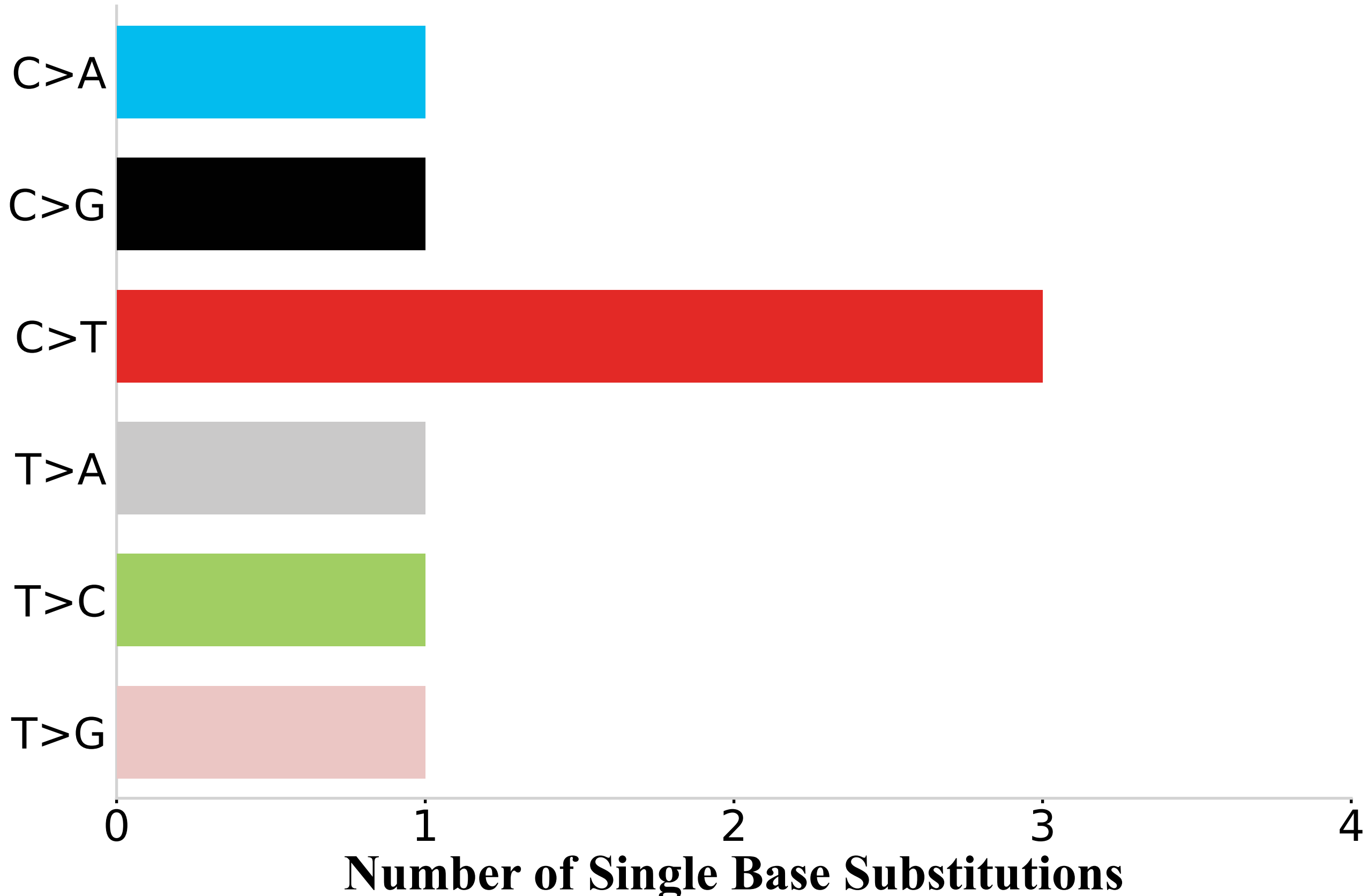
**P-0045398-T01-IM6: 2 subs**



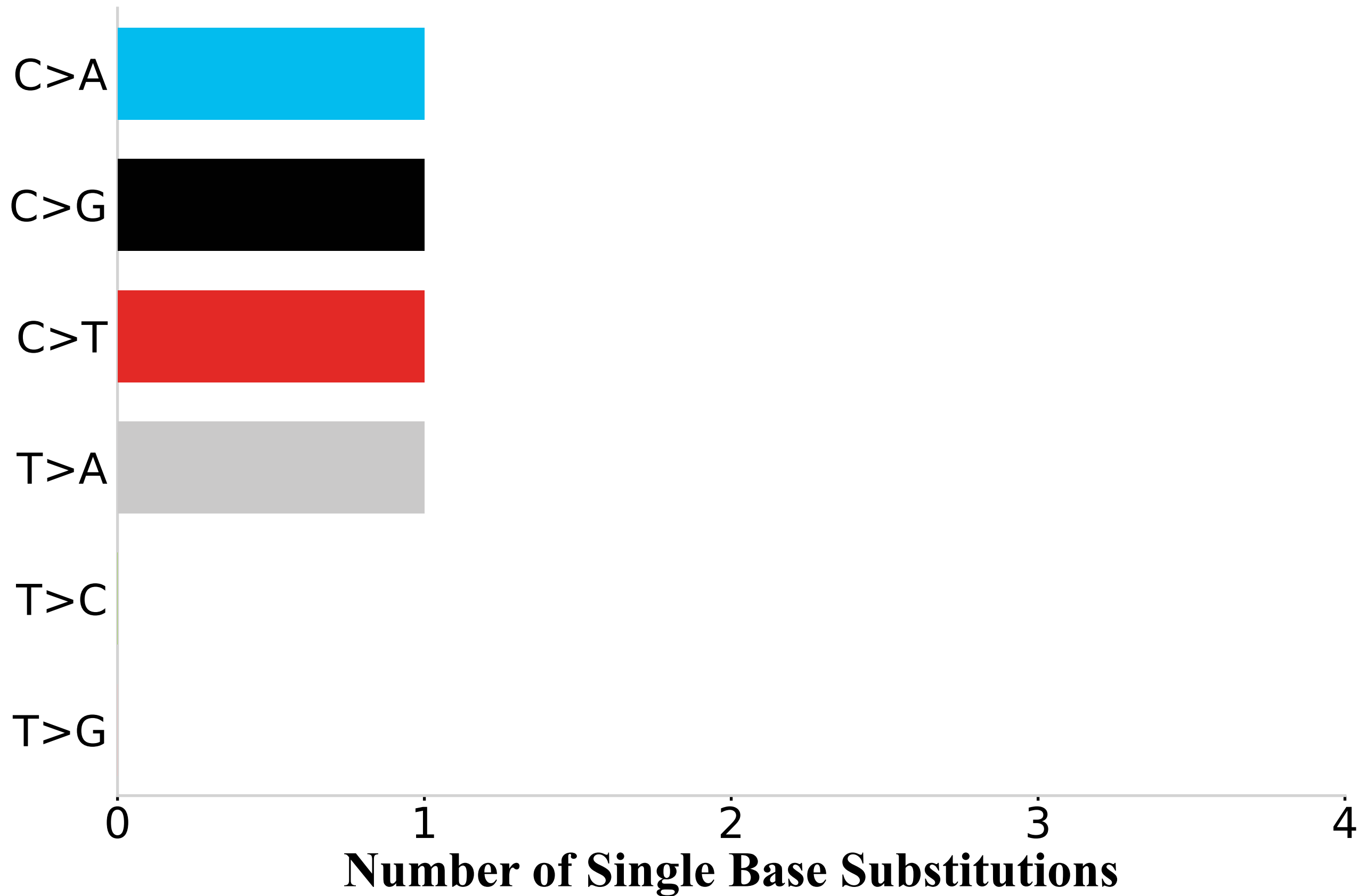
**P-0045490-T01-IM6: 6 subs**



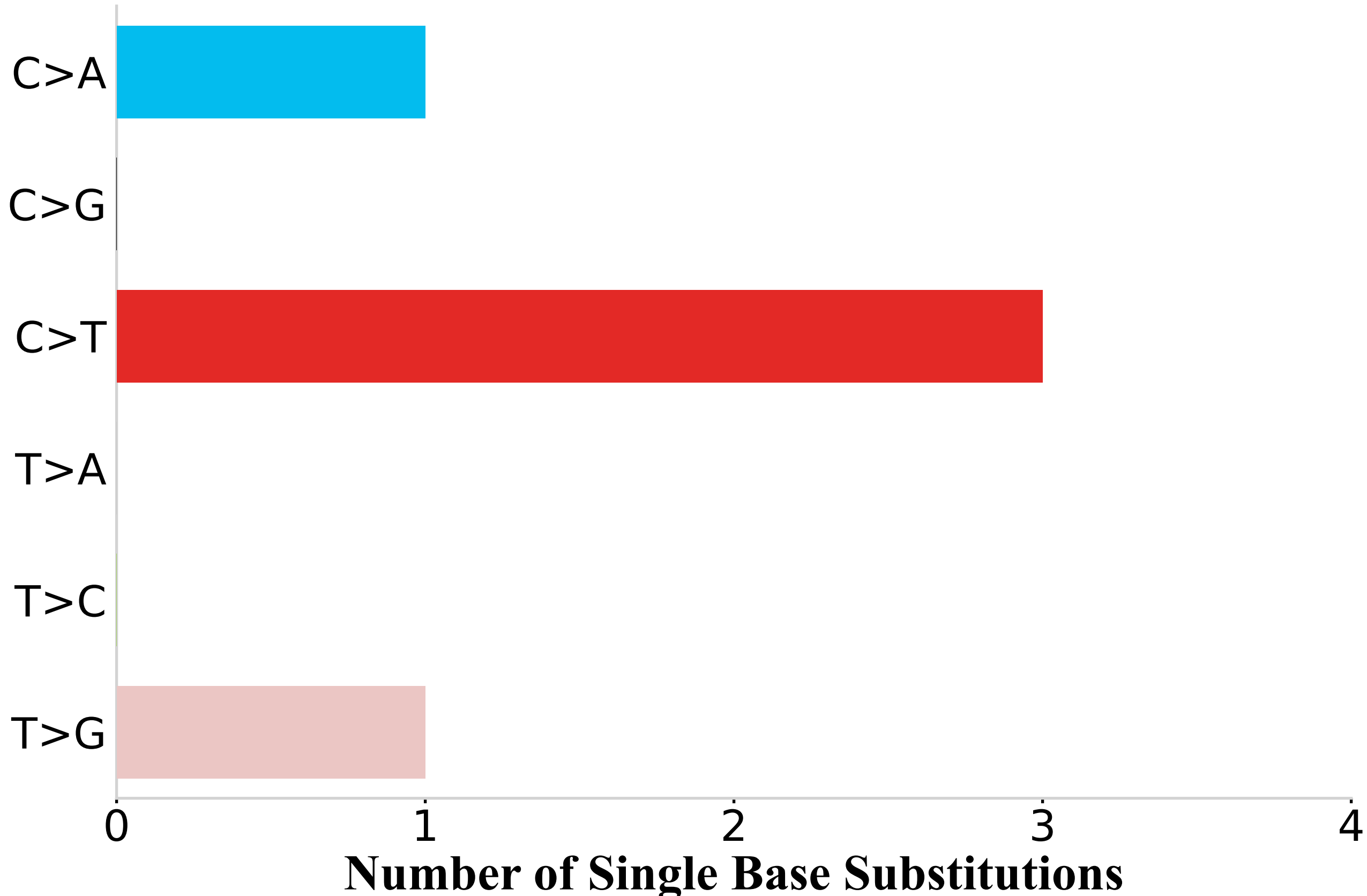
**P-0046601-T01-IM6: 8 subs**



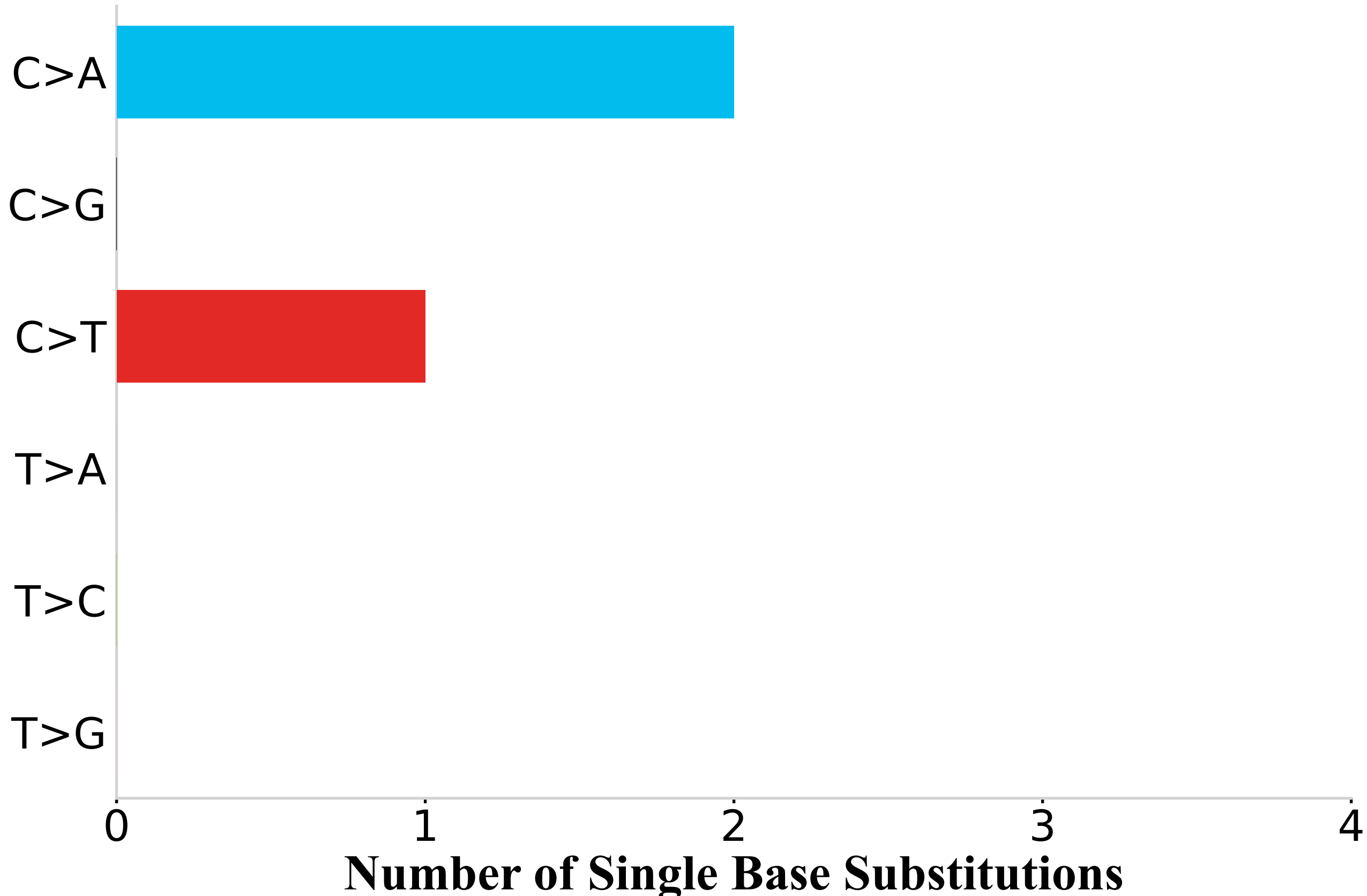
**P-0046650-T01-IM6: 4 subs**



**P-0046818-T01-IM6: 5 subs**

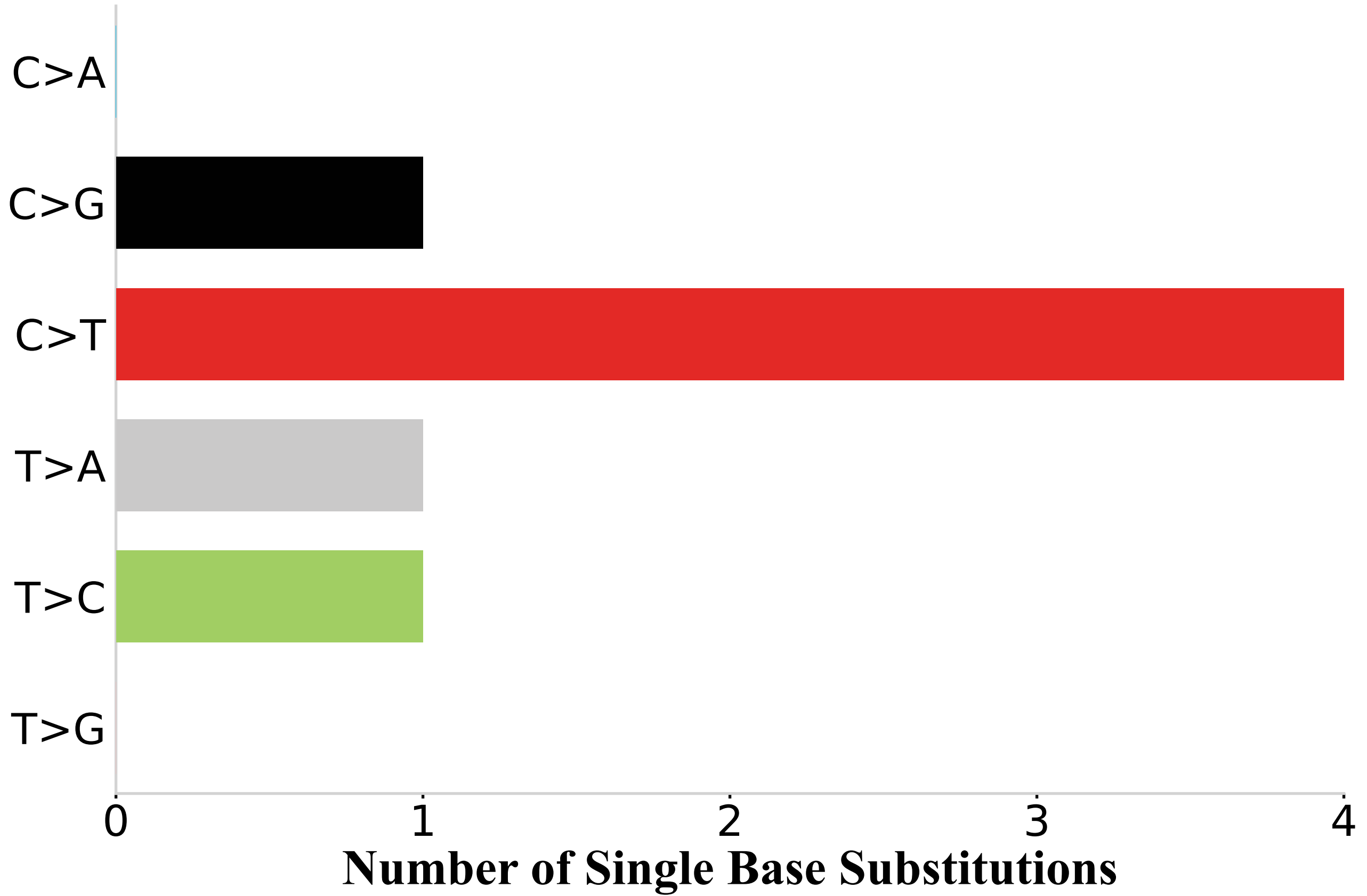


**P-0047073-T01-IM6: 3 subs**

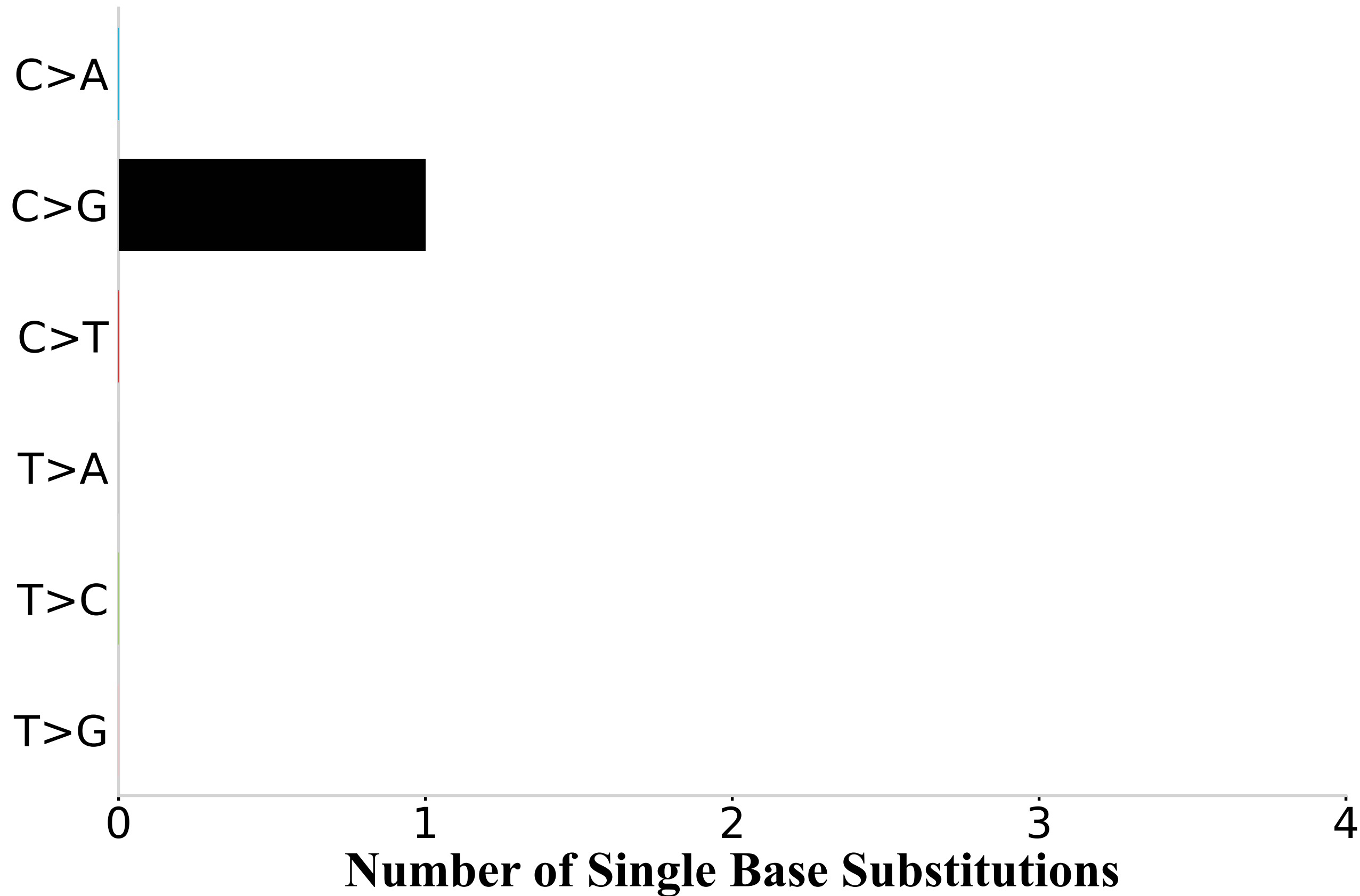




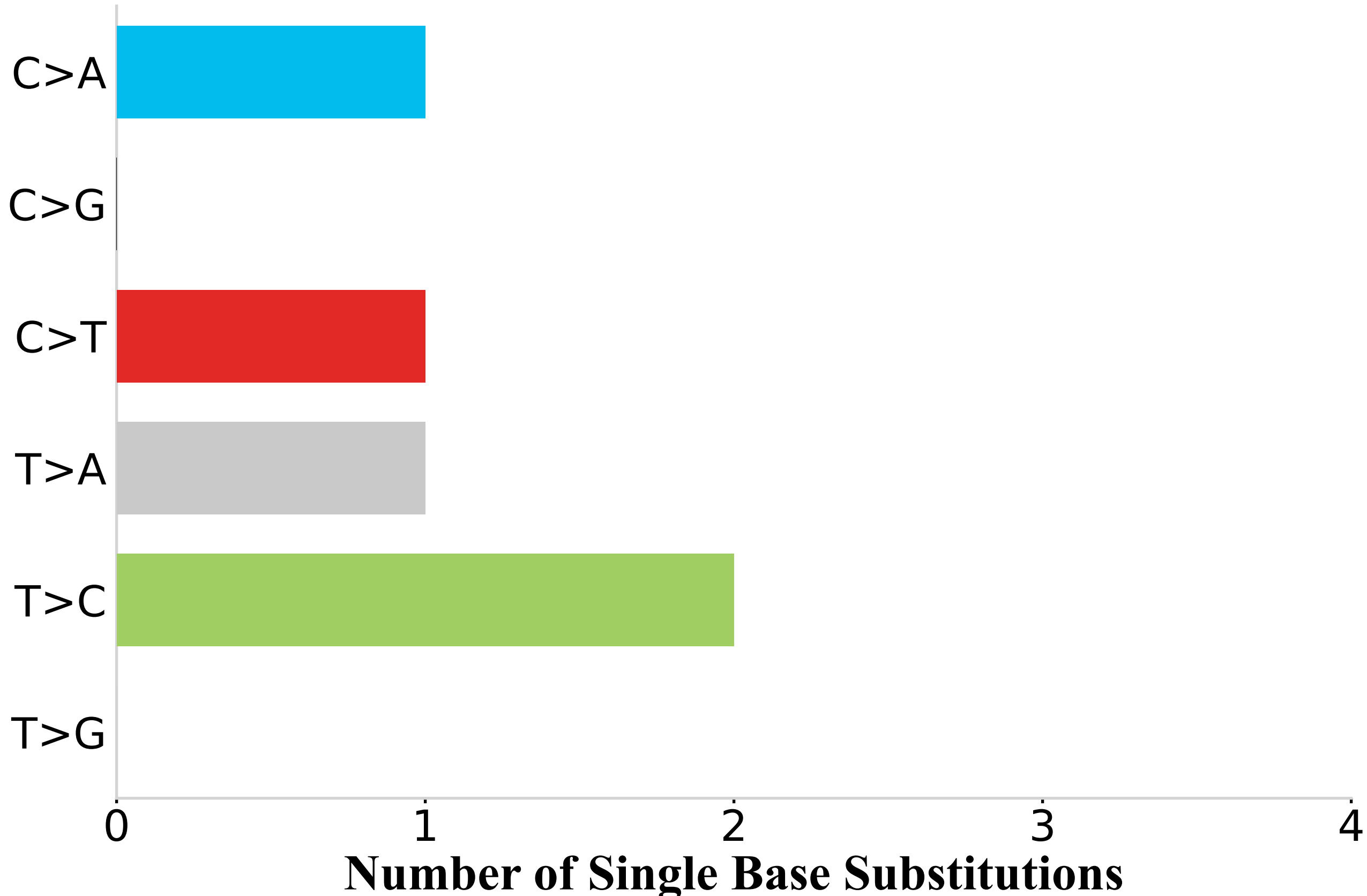
**P-0047119-T01-IM6: 7 subs**



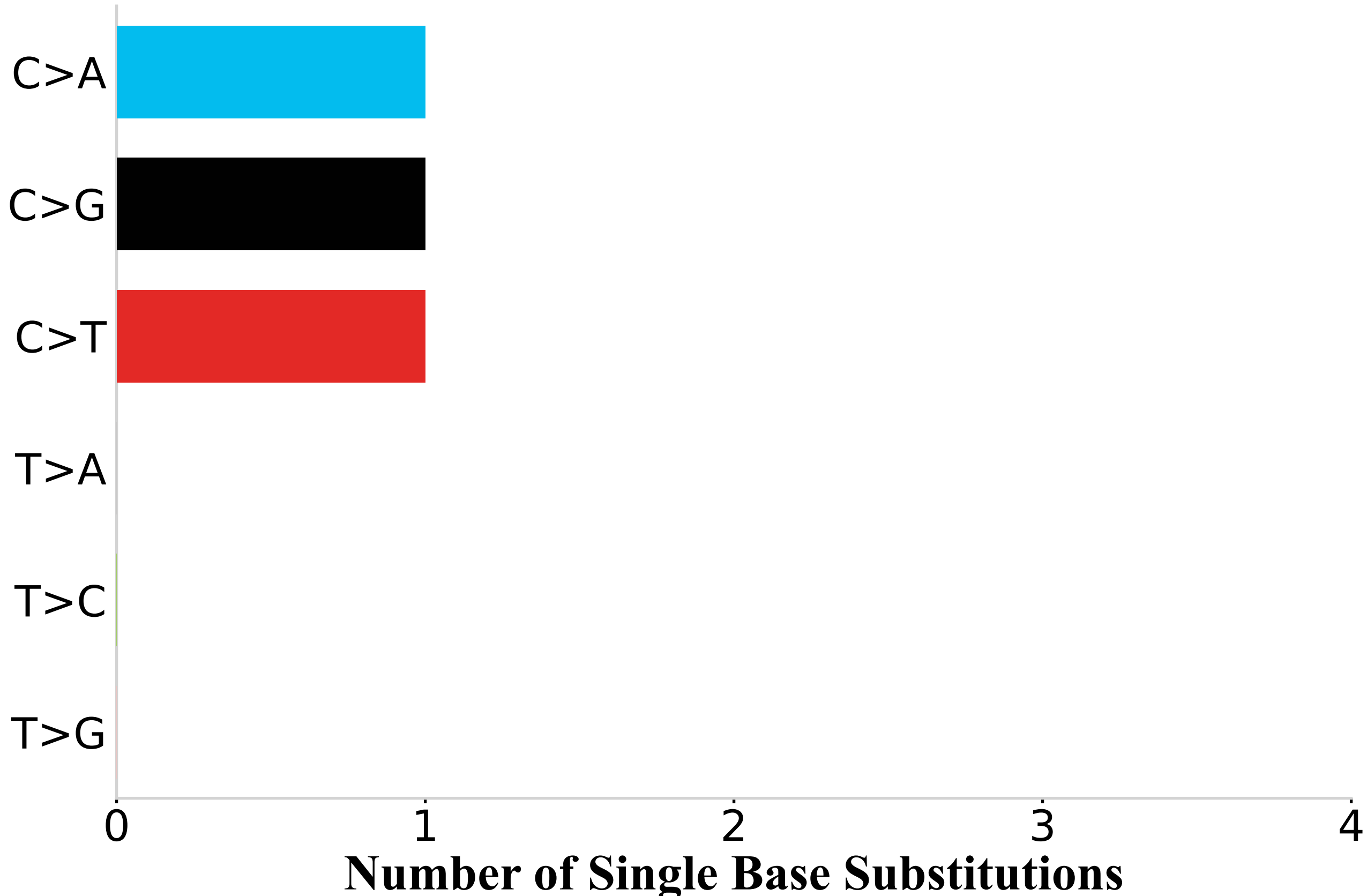
**P-0047508-T01-IM6: 1 subs**



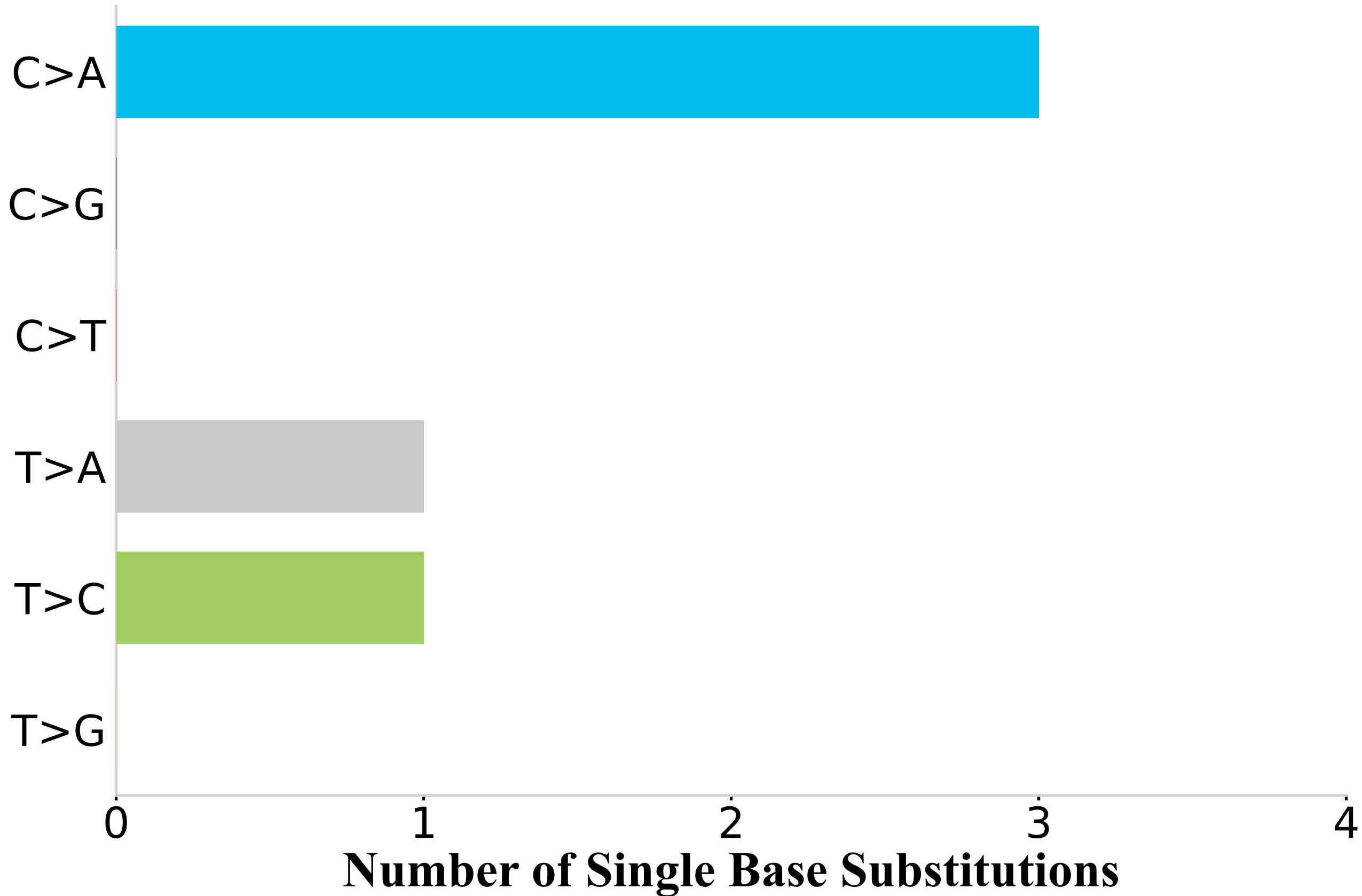
**P-0048569-T02-IM6: 5 subs**



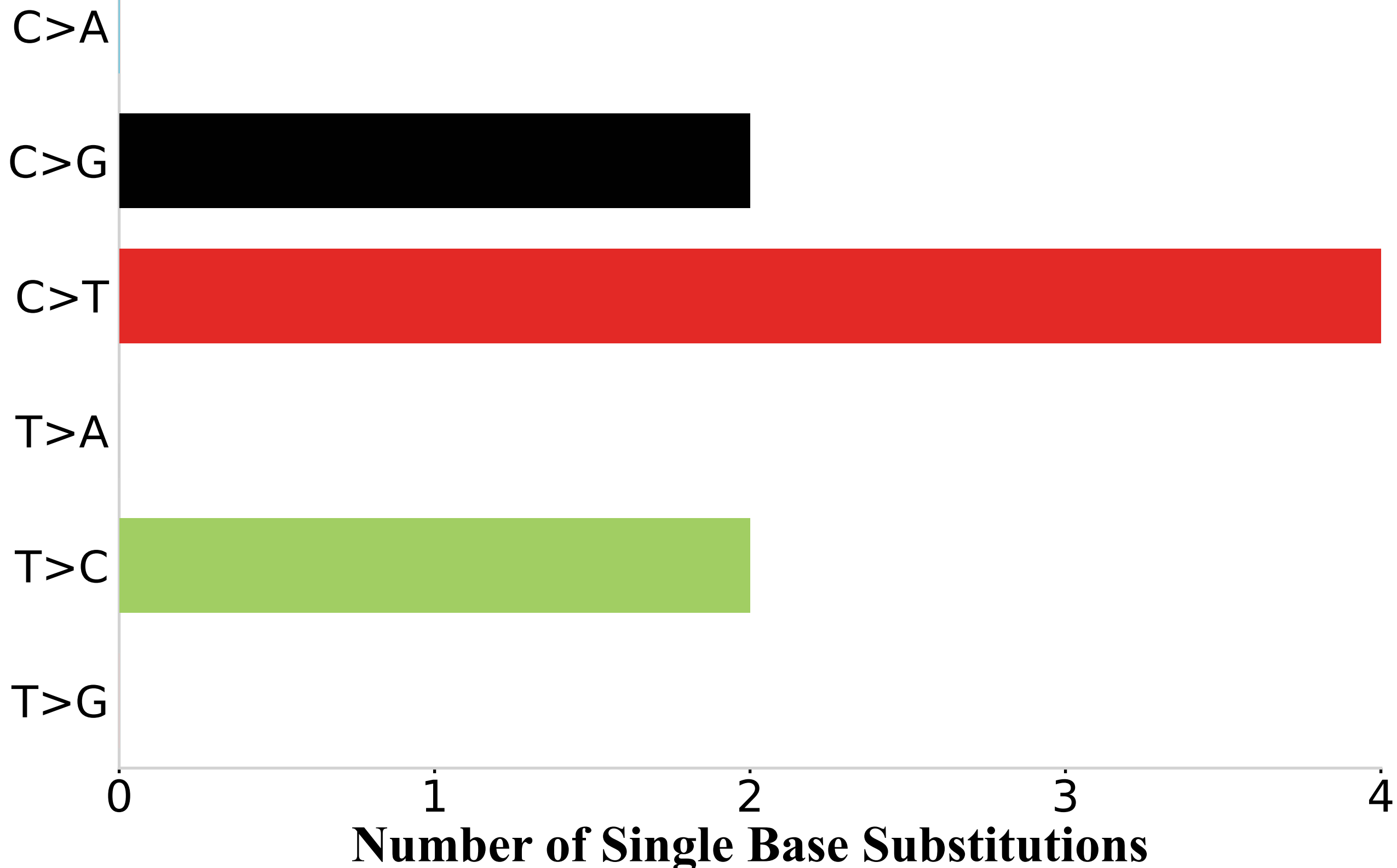
**P-0048802-T01-IM6: 3 subs**



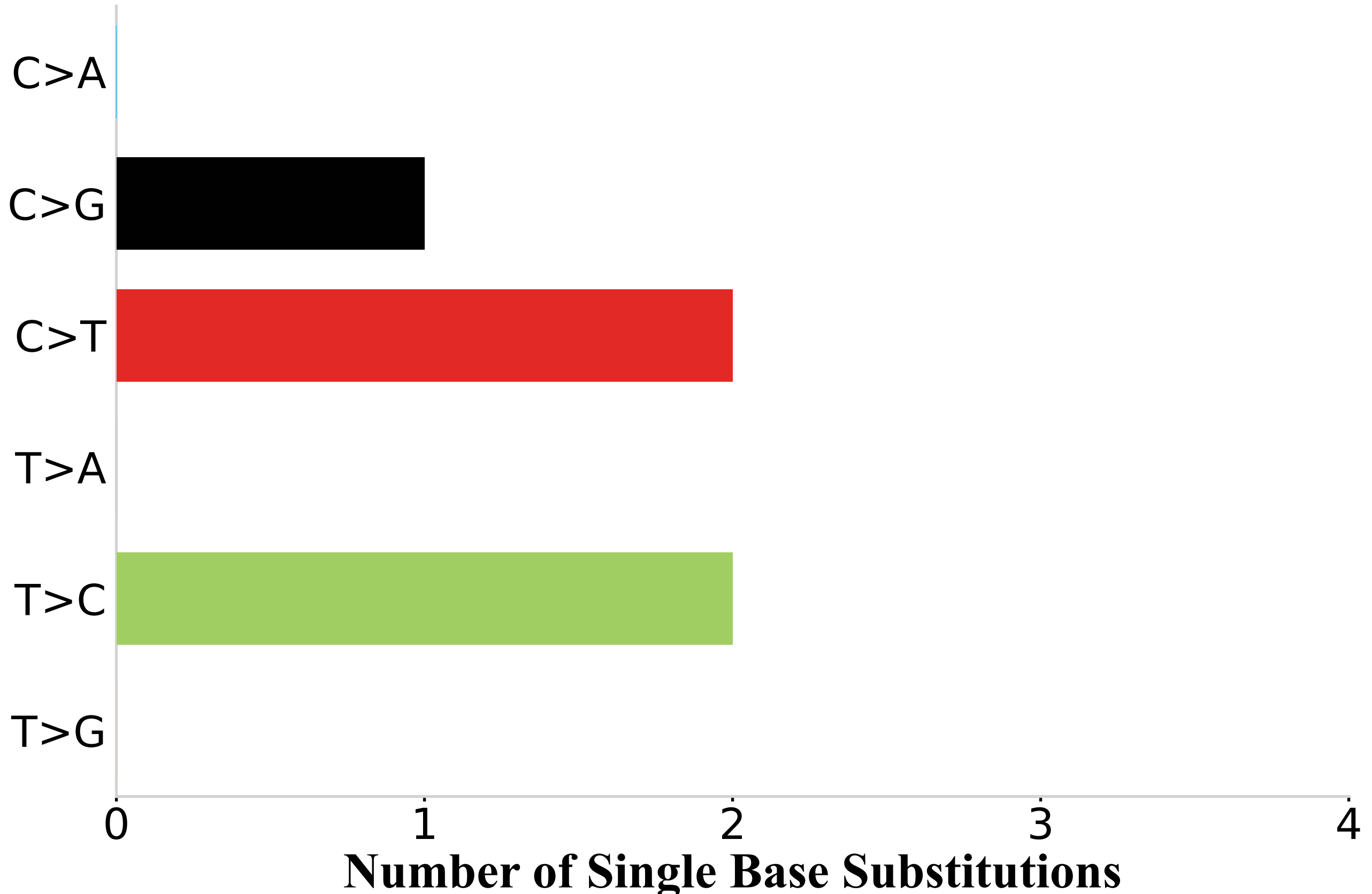
**P-0049354-T01-IM6: 5 subs**



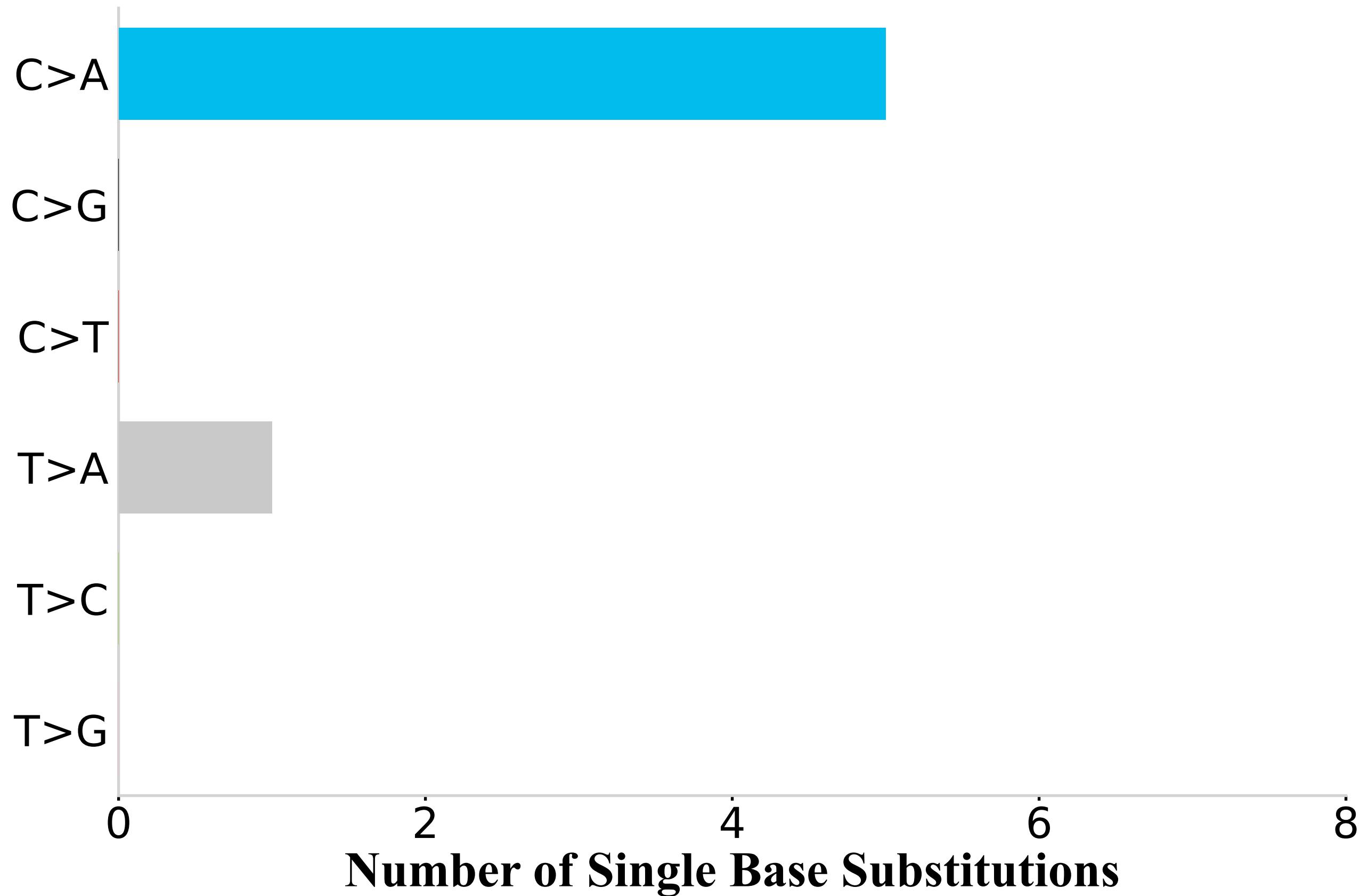
**P-0049878-T01-IM6: 8 subs**



**P-0050138-T01-IM6: 5 subs**



# P-0050188-T01-IM6: 6 subs





**P-0050448-T01-IM6: 3 subs**

