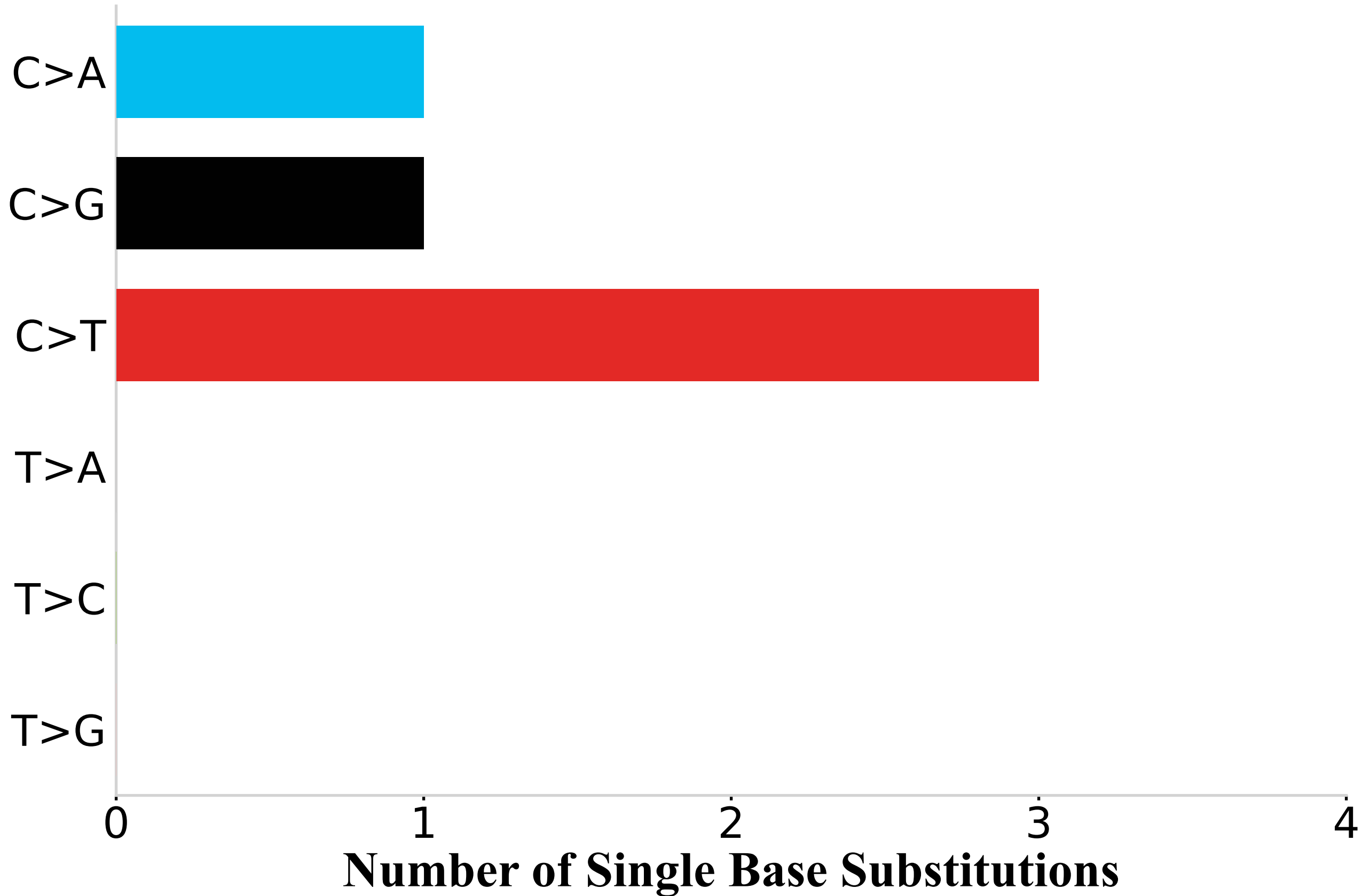


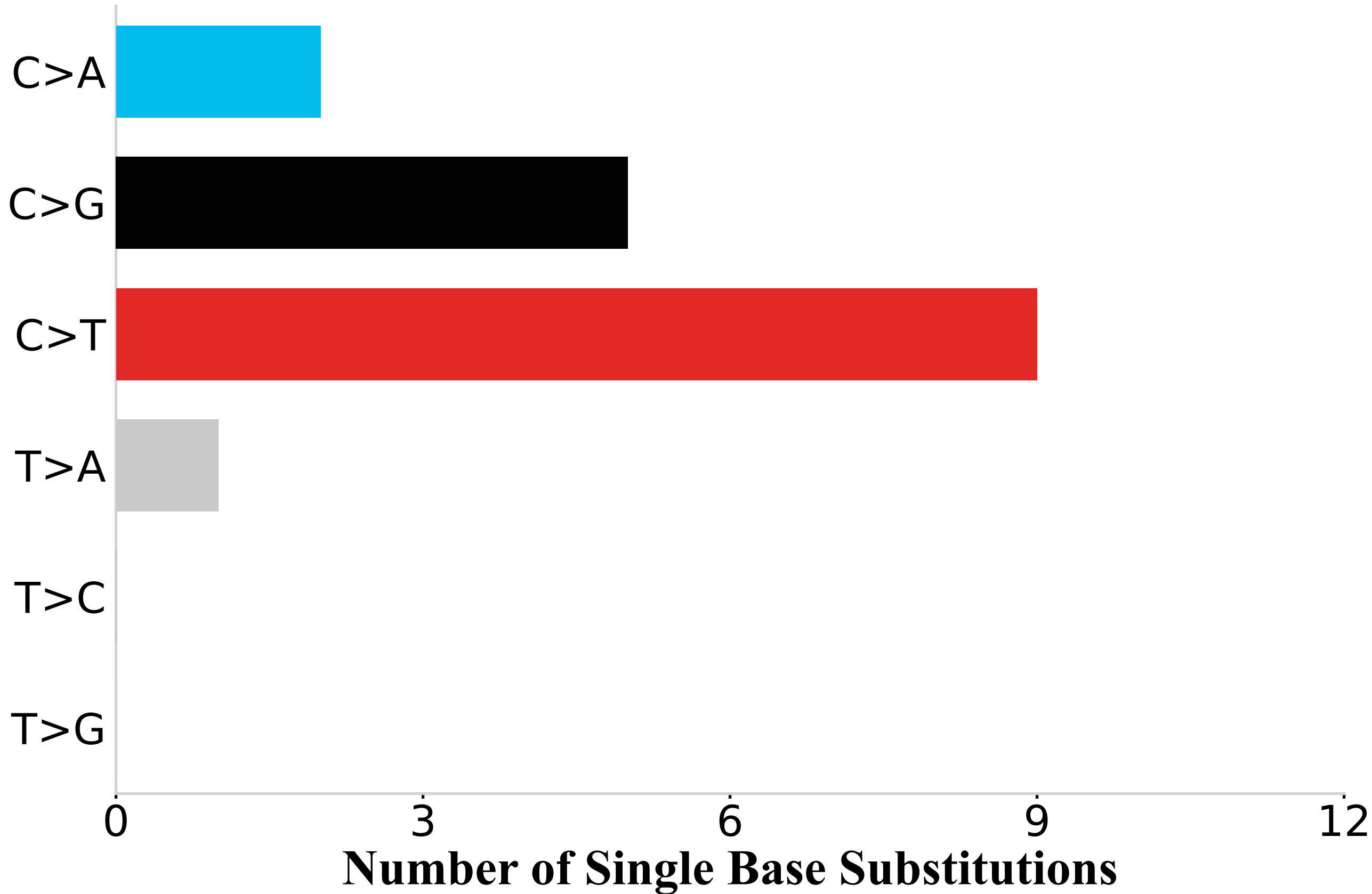
**P-0000210-T01-IM3: 2 subs**



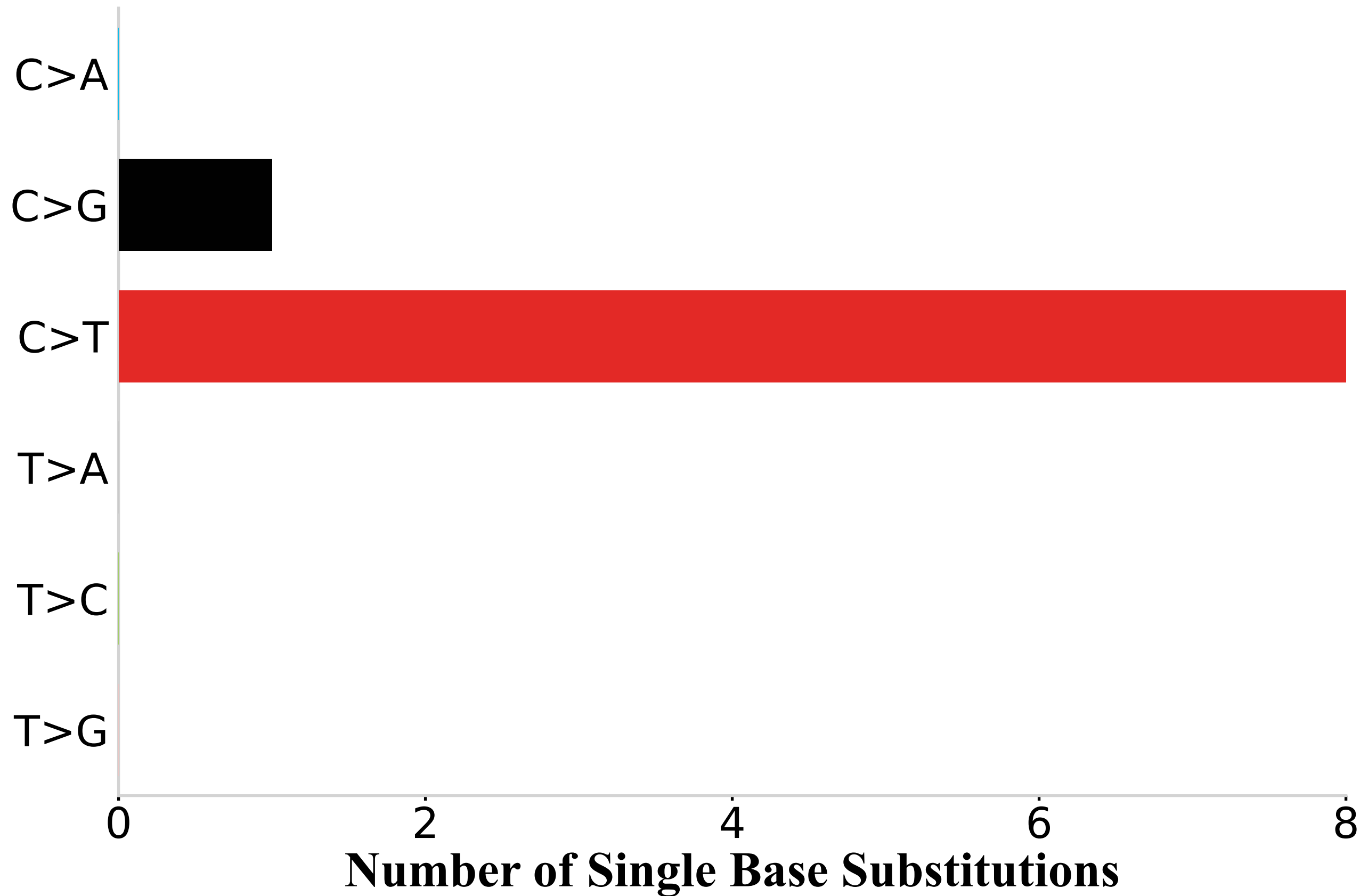
**P-0000452-T01-IM3: 5 subs**



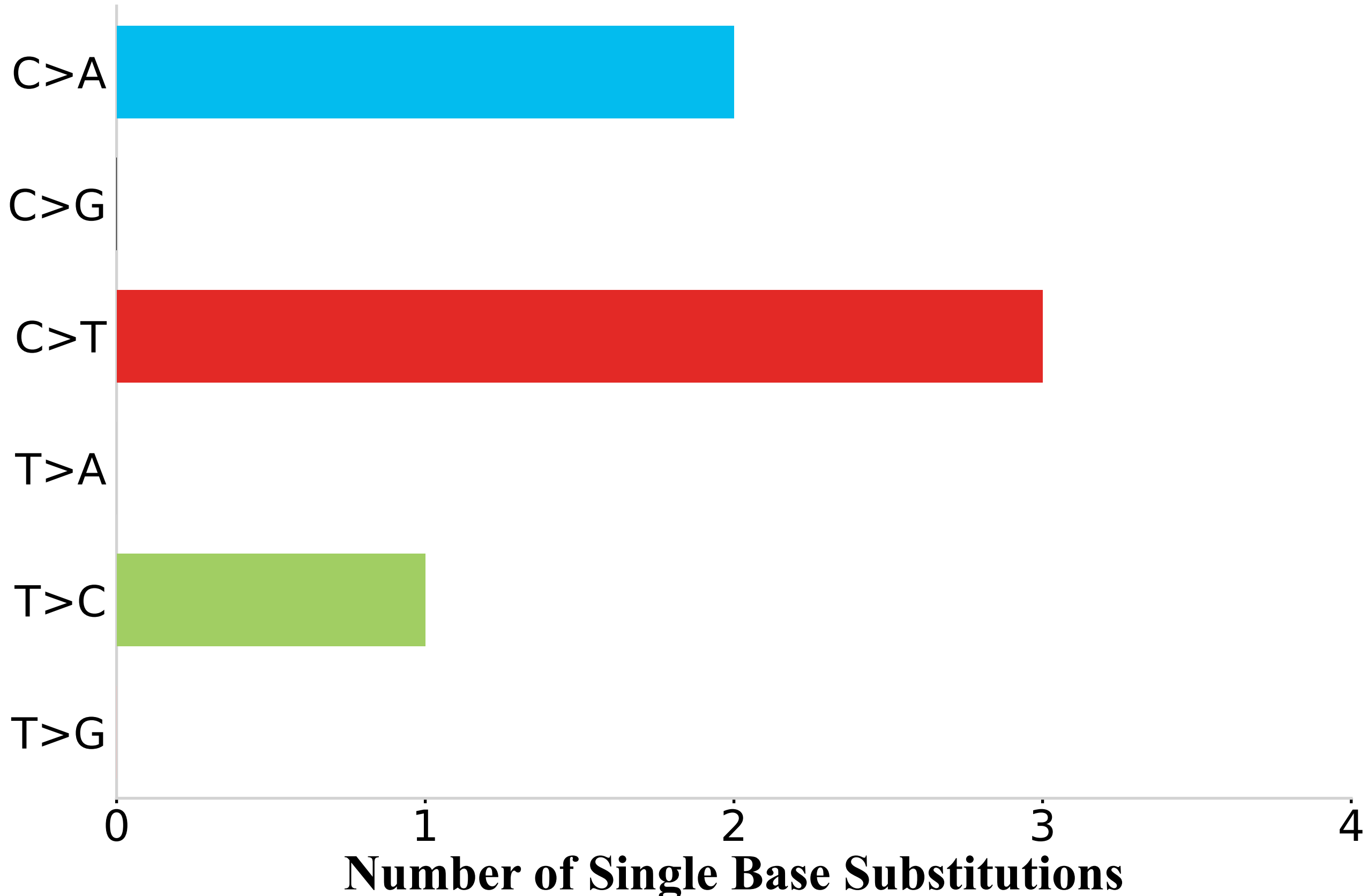
**P-0001463-T01-IM3: 17 subs**



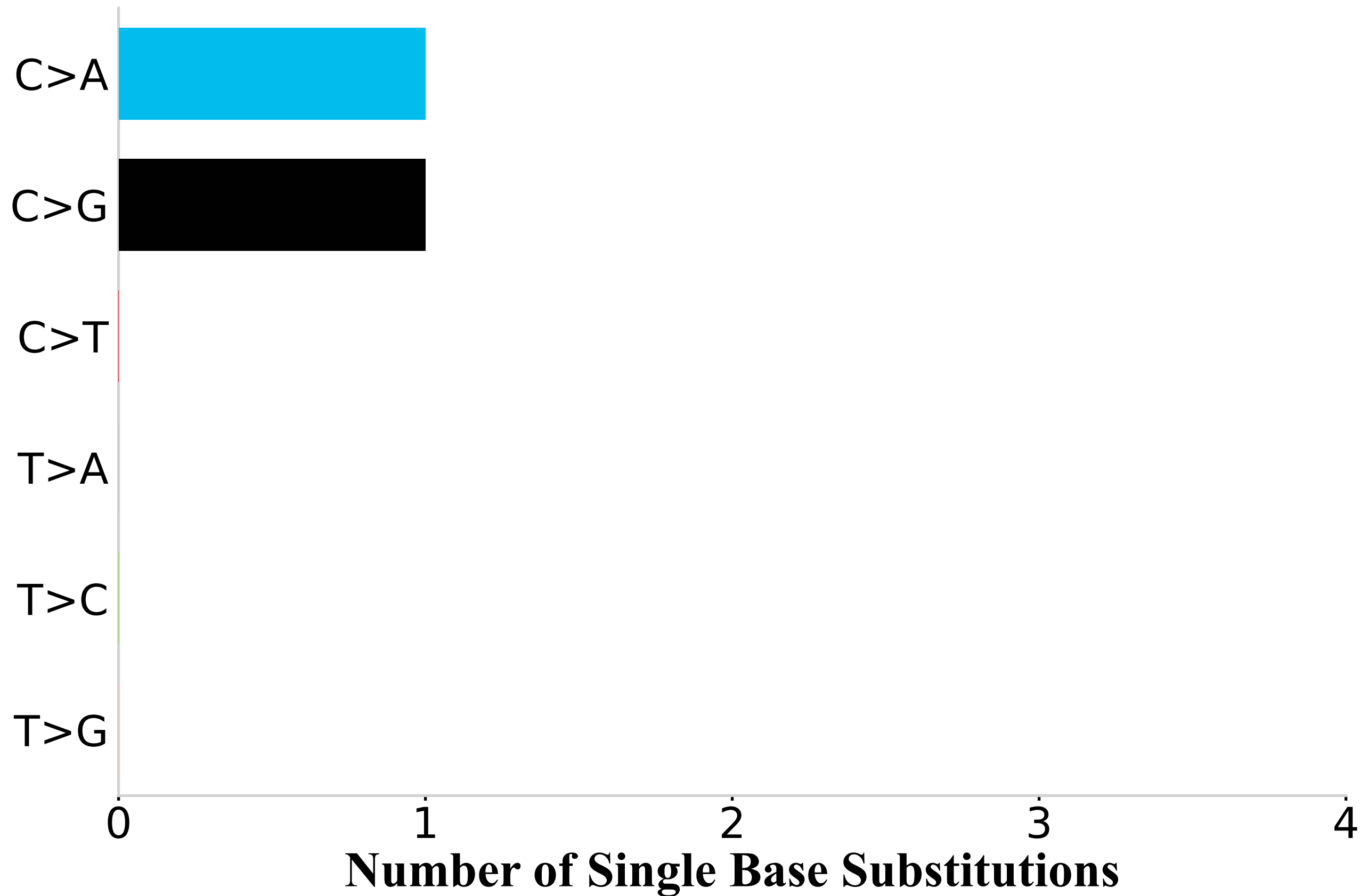
**P-0001688-T01-IM3: 9 subs**



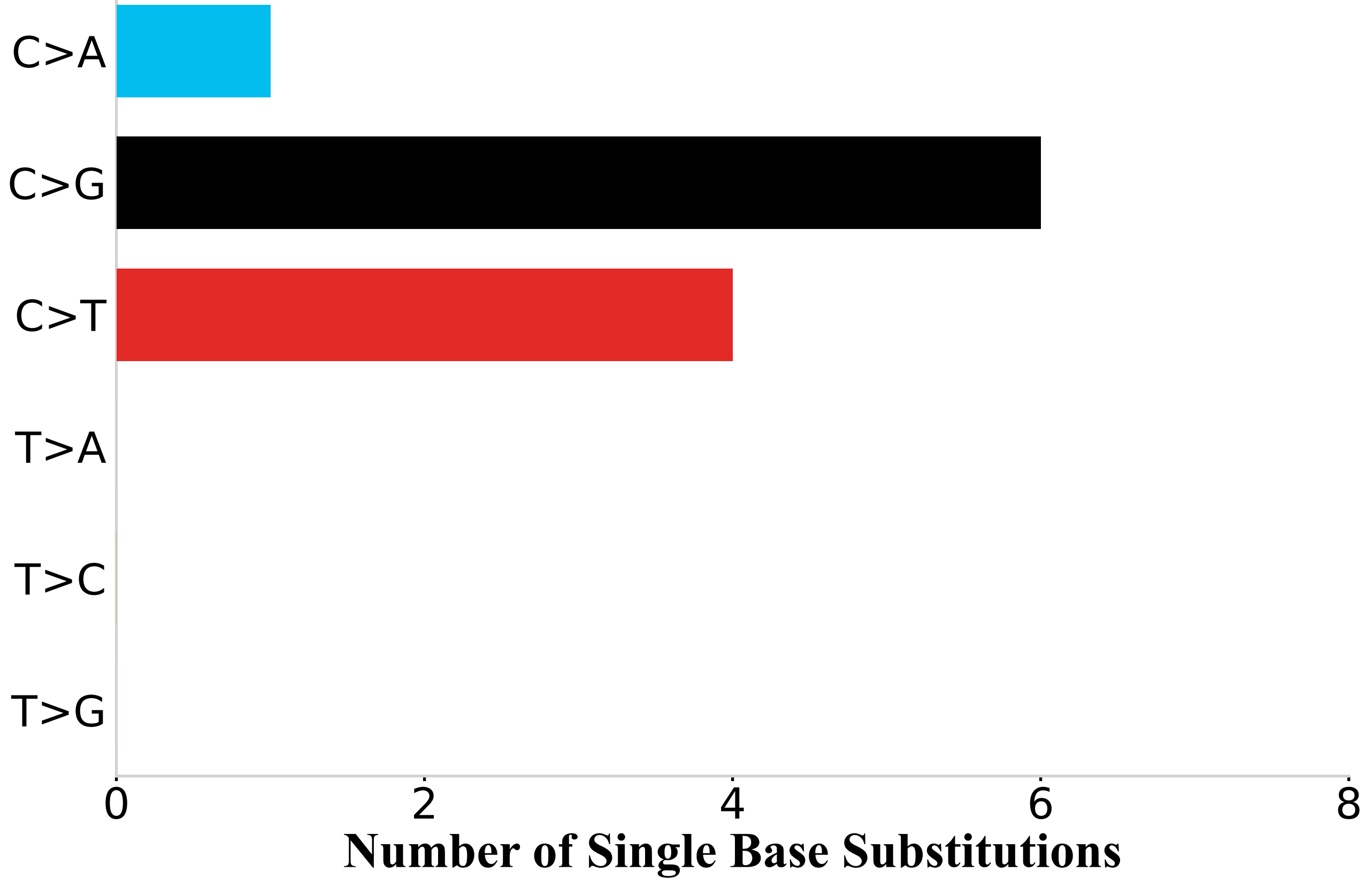
**P-0004573-T01-IM5: 6 subs**



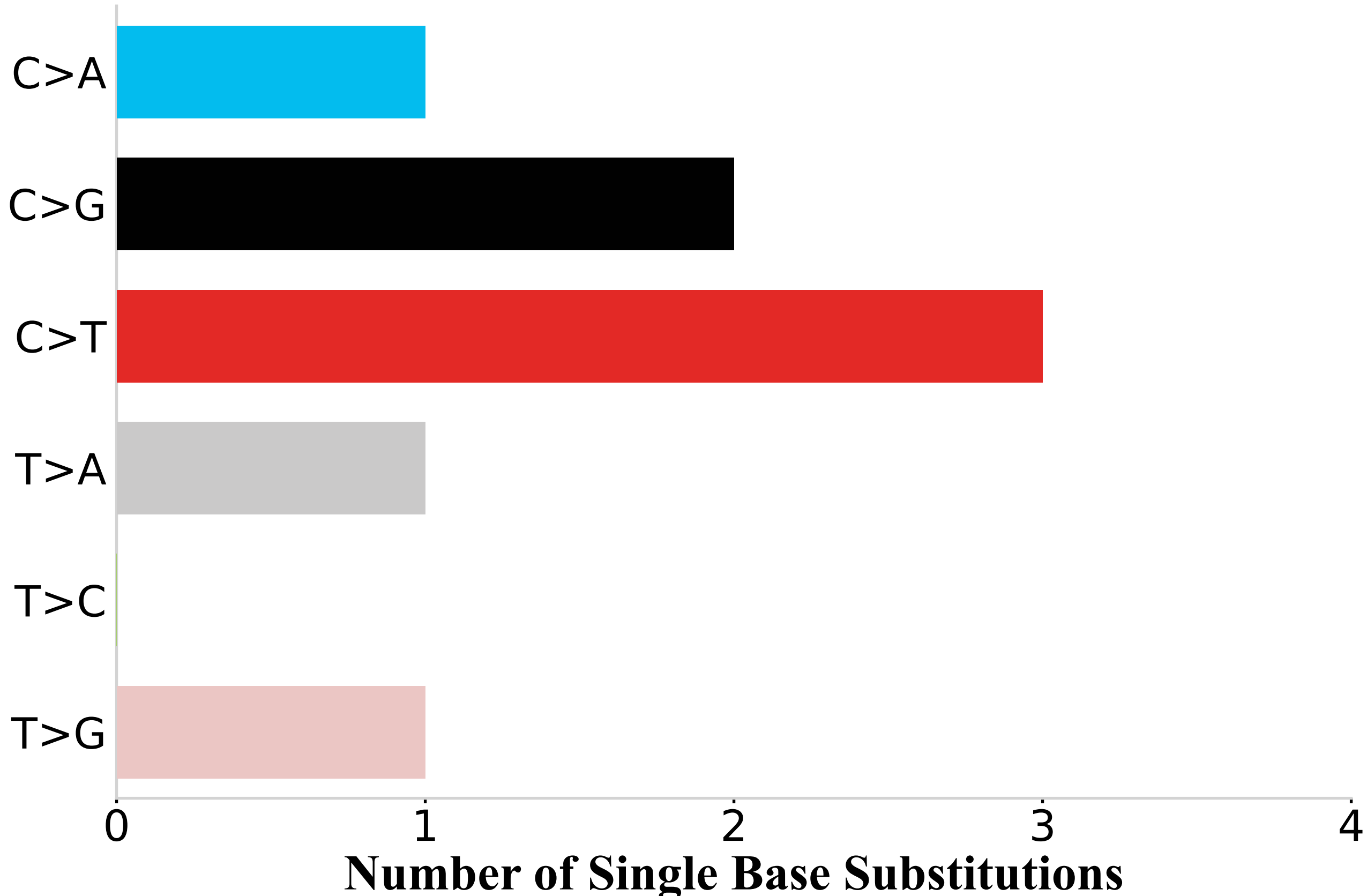
**P-0004761-T01-IM5: 2 subs**



**P-0010527-T01-IM5: 11 subs**

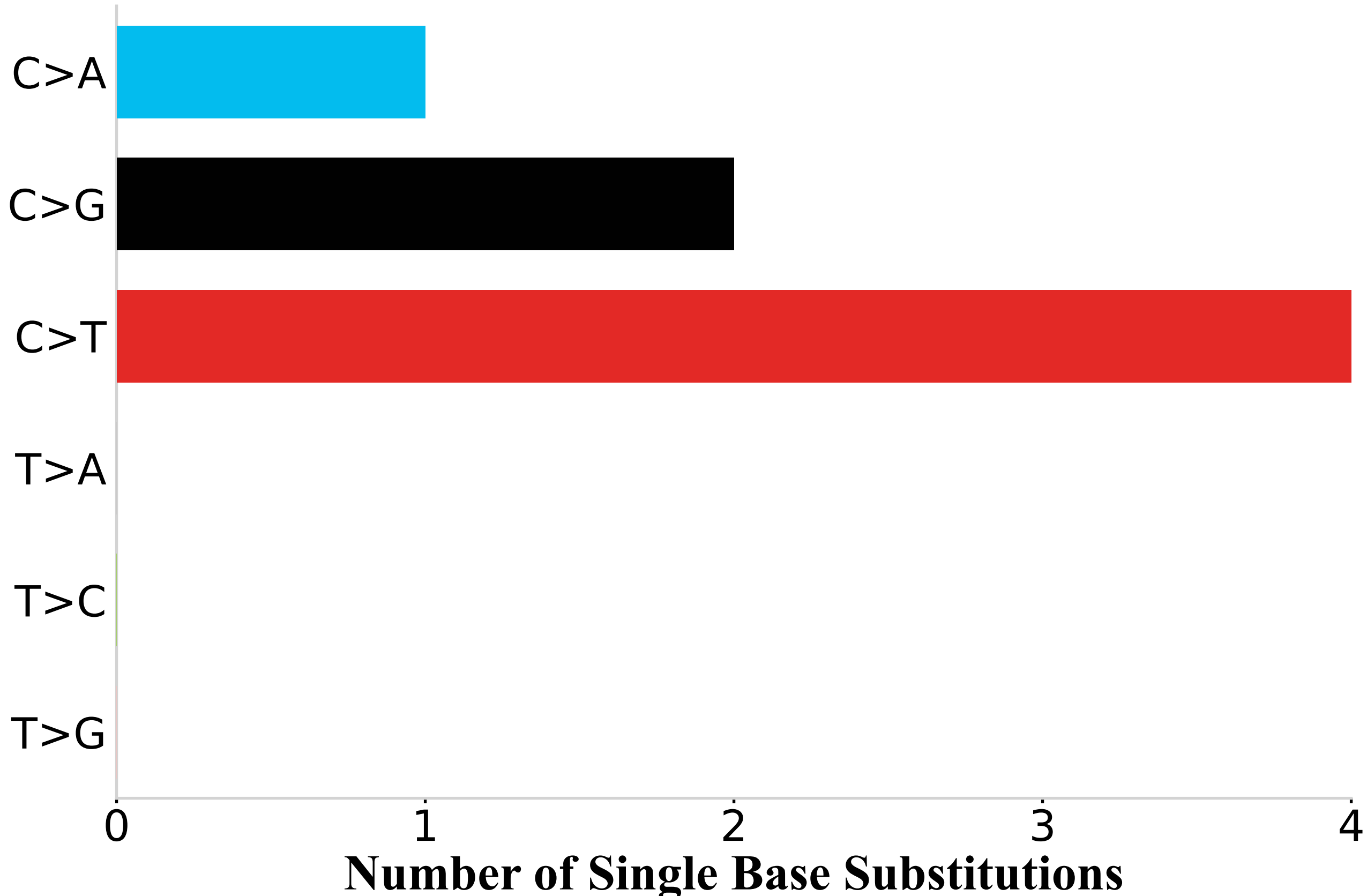


**P-0010784-T01-IM5: 8 subs**

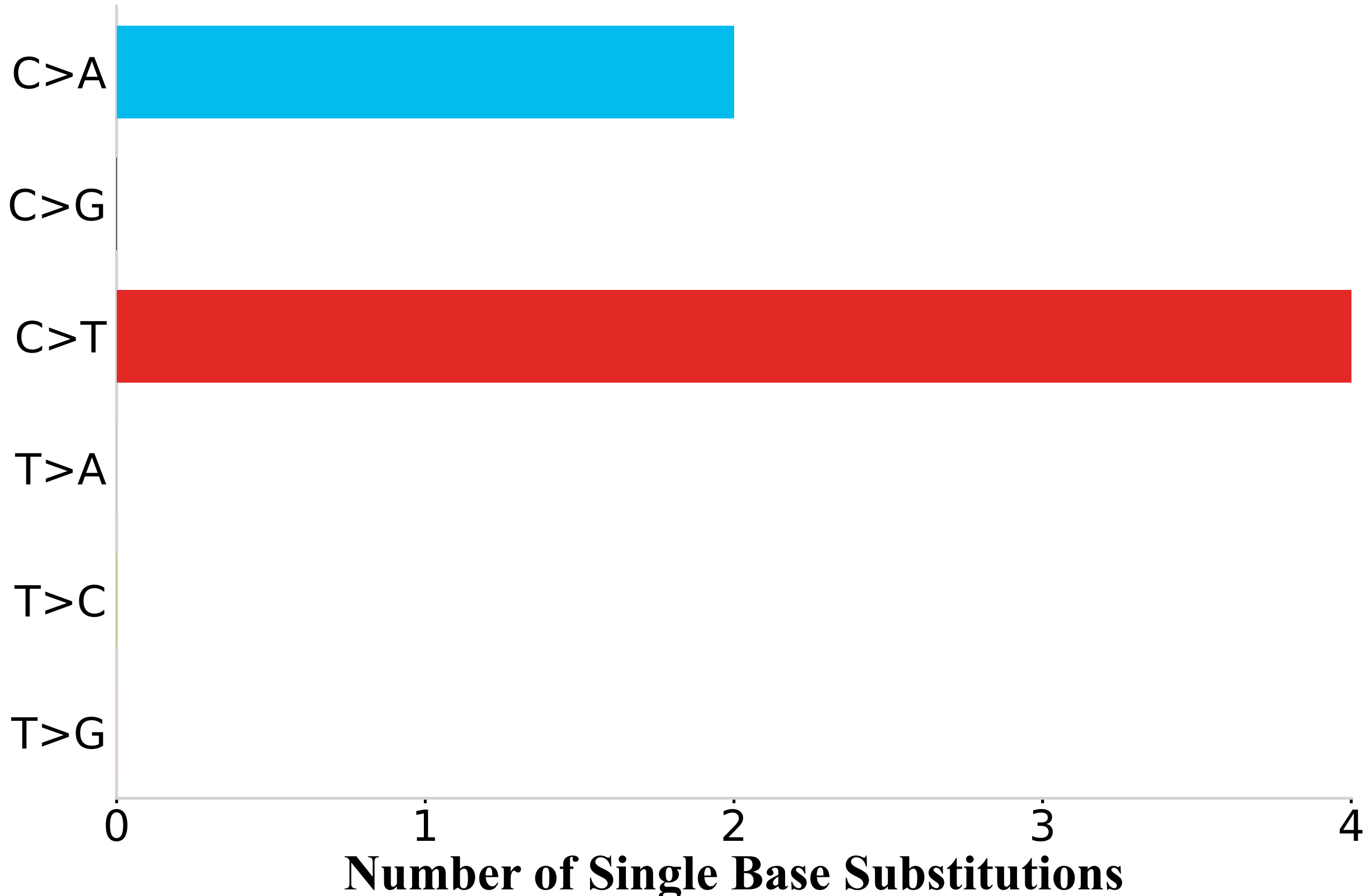




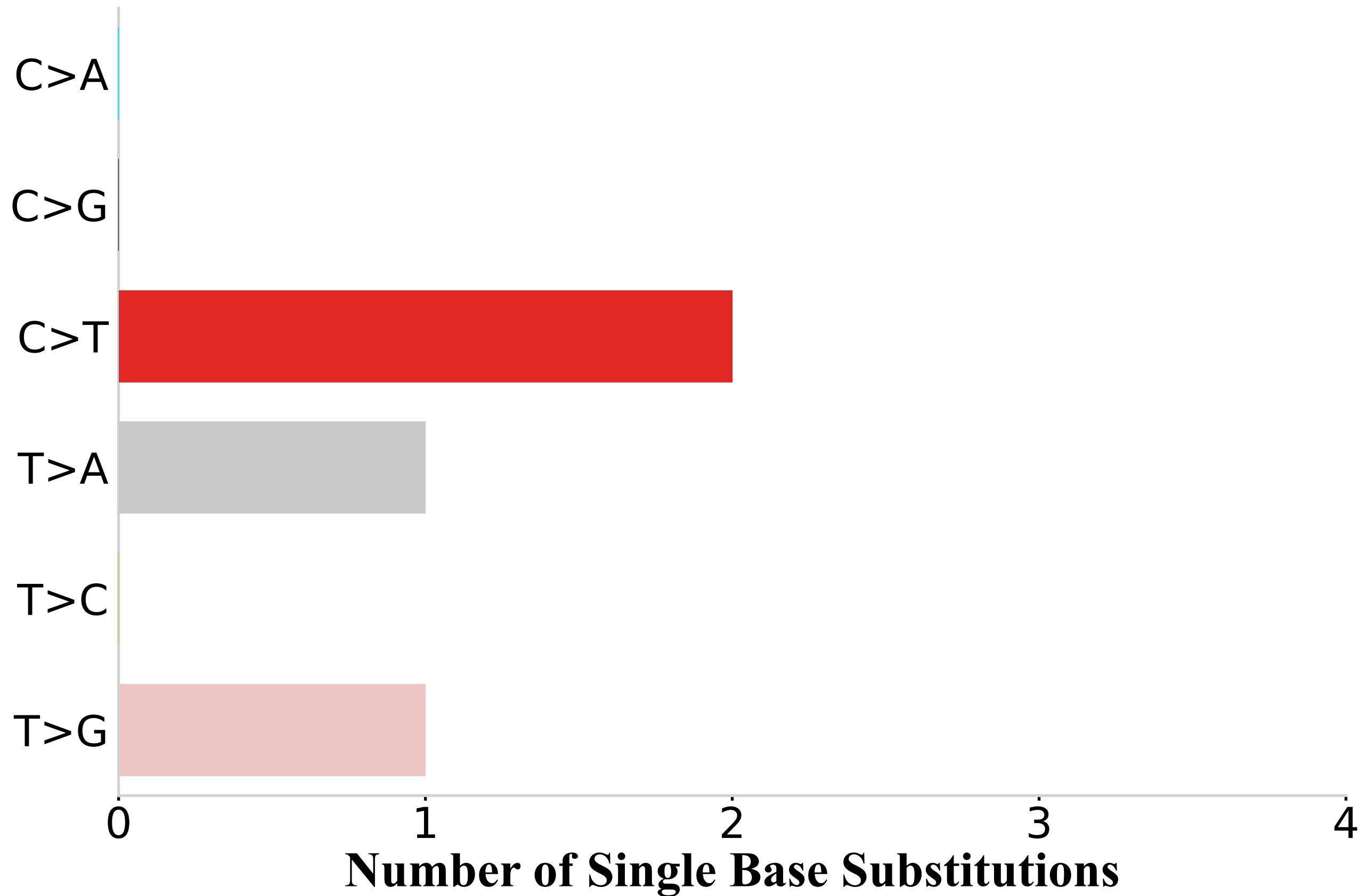
**P-0010786-T01-IM5: 7 subs**



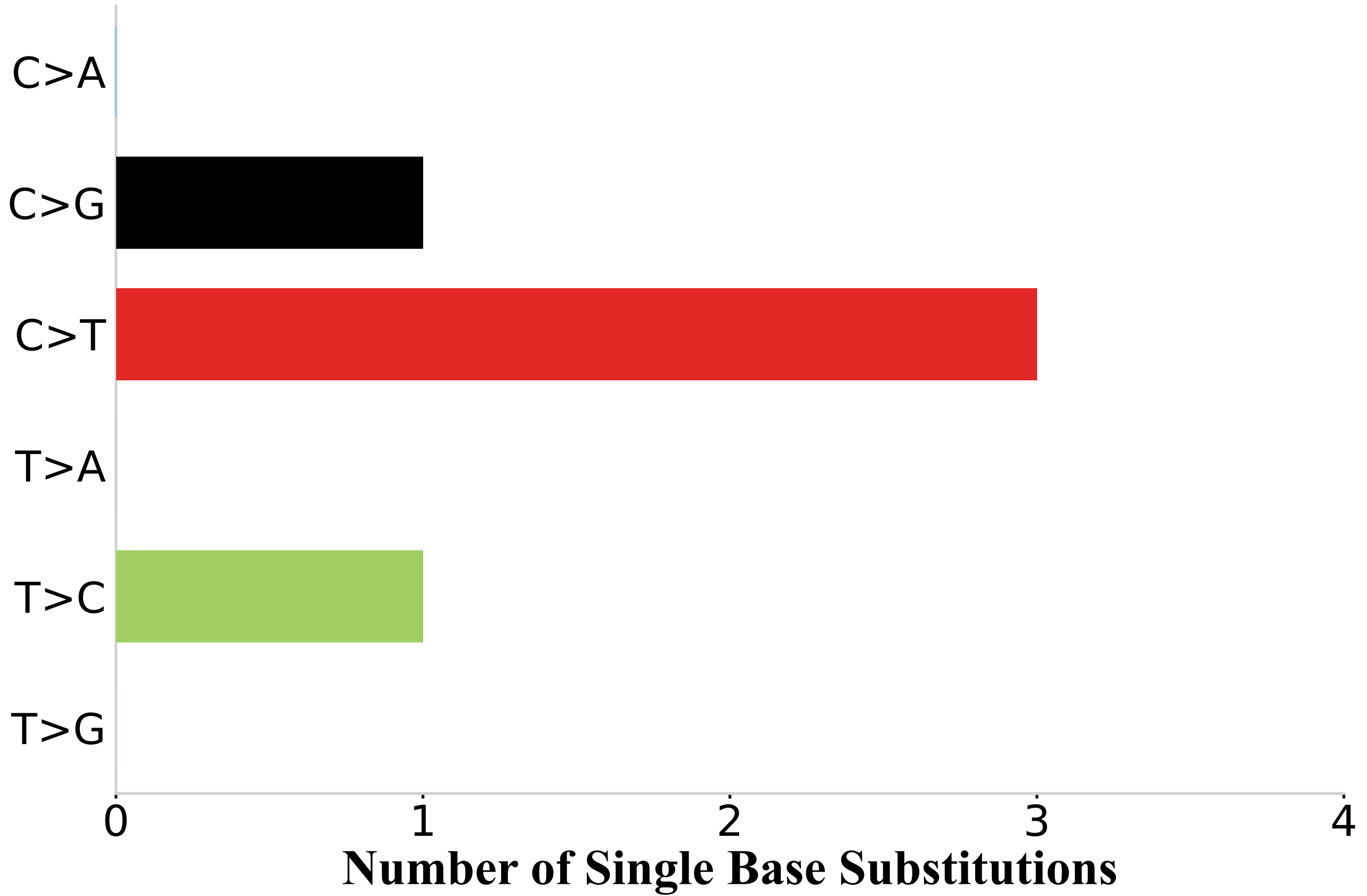
**P-0010835-T01-IM5: 6 subs**



**P-0013301-T01-IM5: 4 subs**

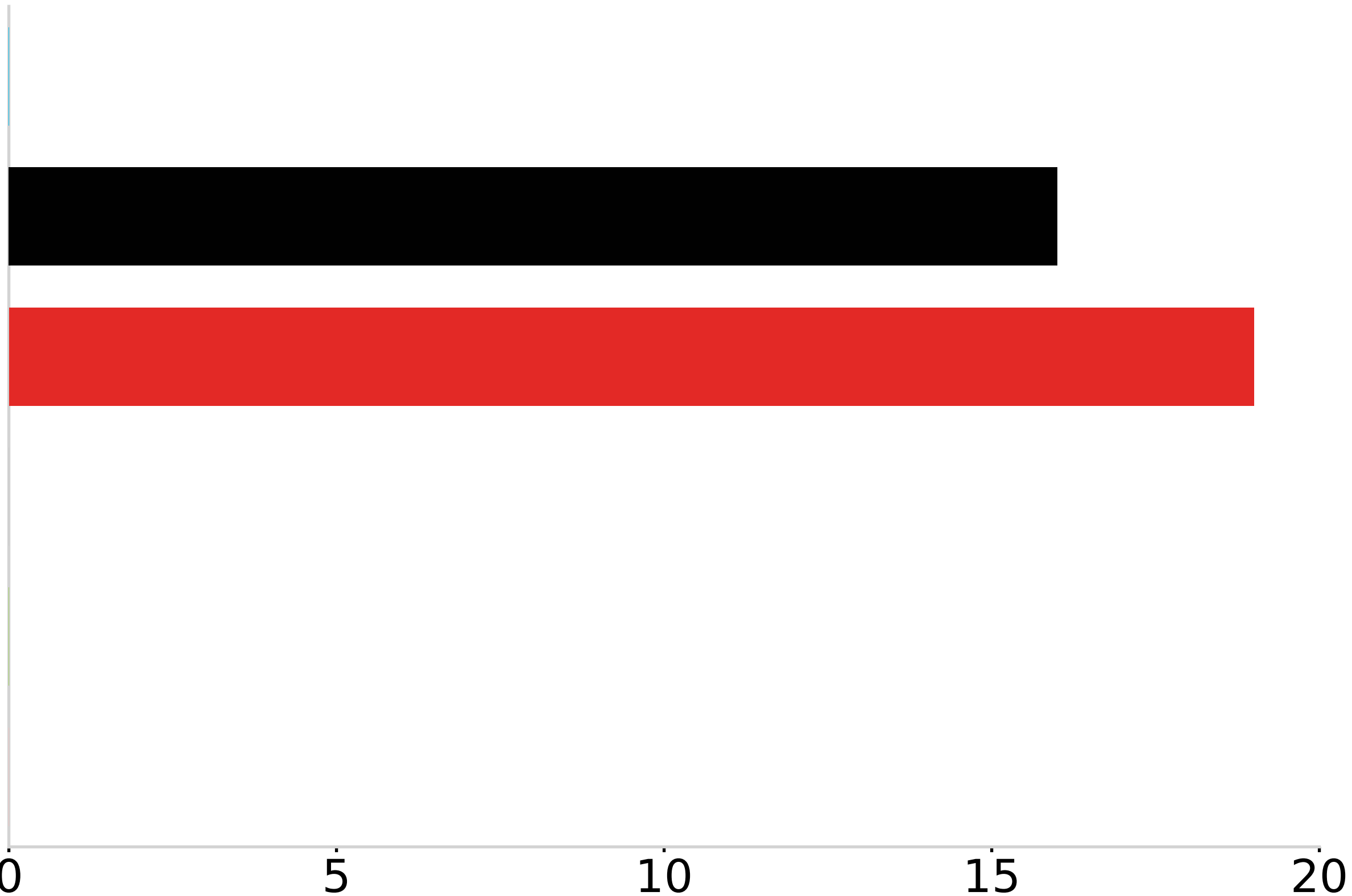


**P-0013497-T01-IM5: 5 subs**



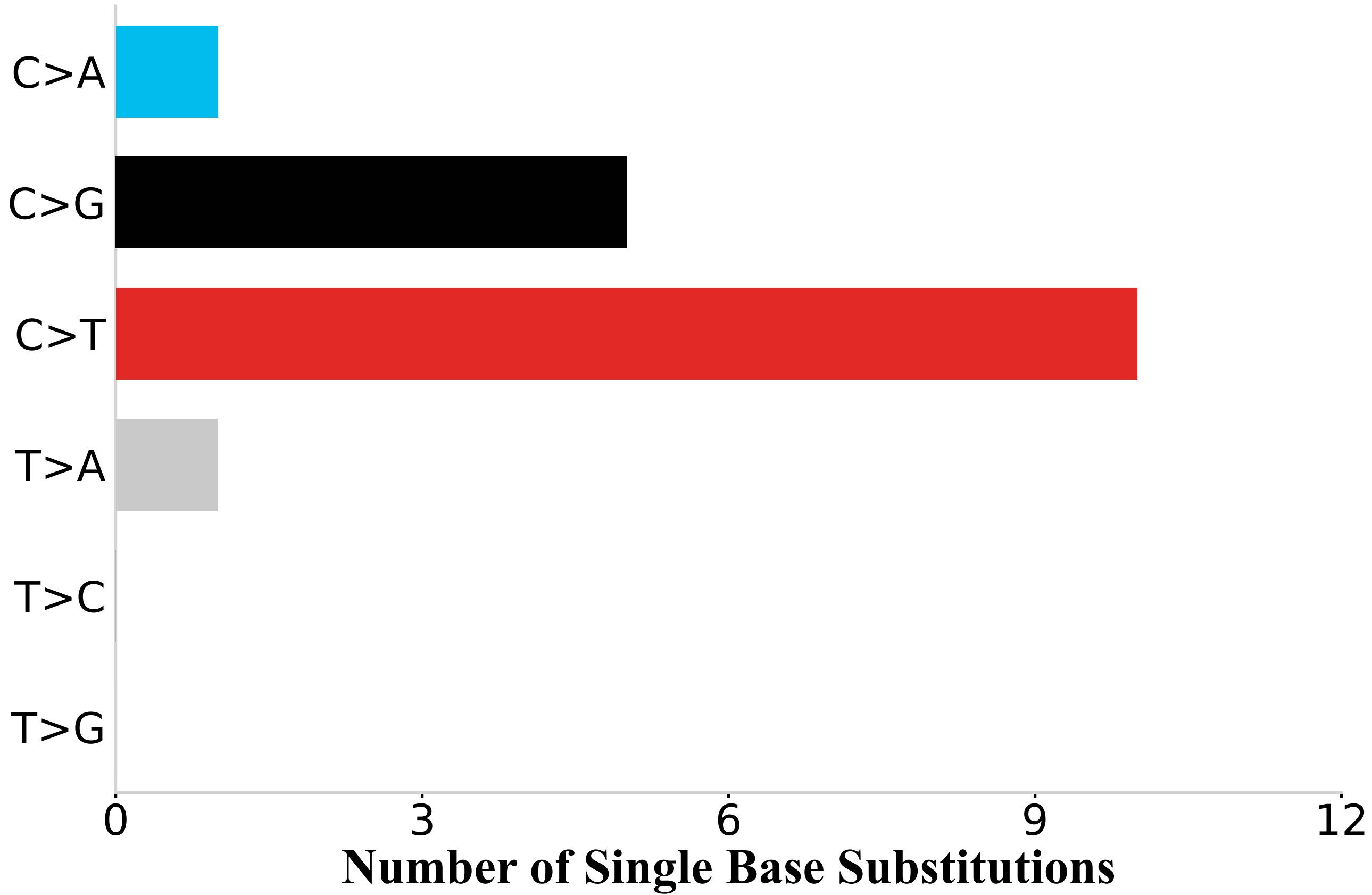
**P-0013774-T01-IM5: 35 subs**

C>A  
C>G  
C>T  
T>A  
T>C  
T>G

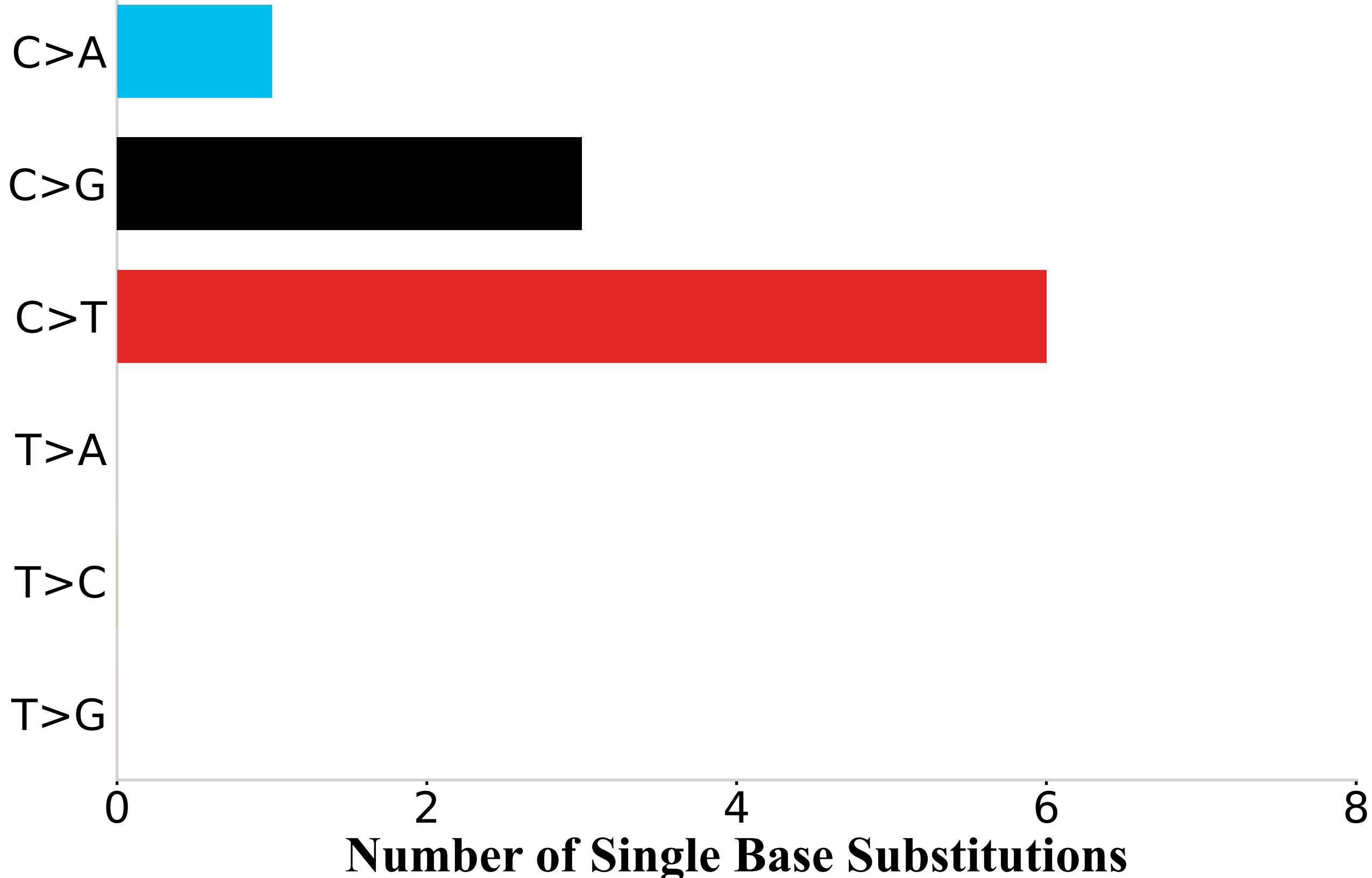


**Number of Single Base Substitutions**

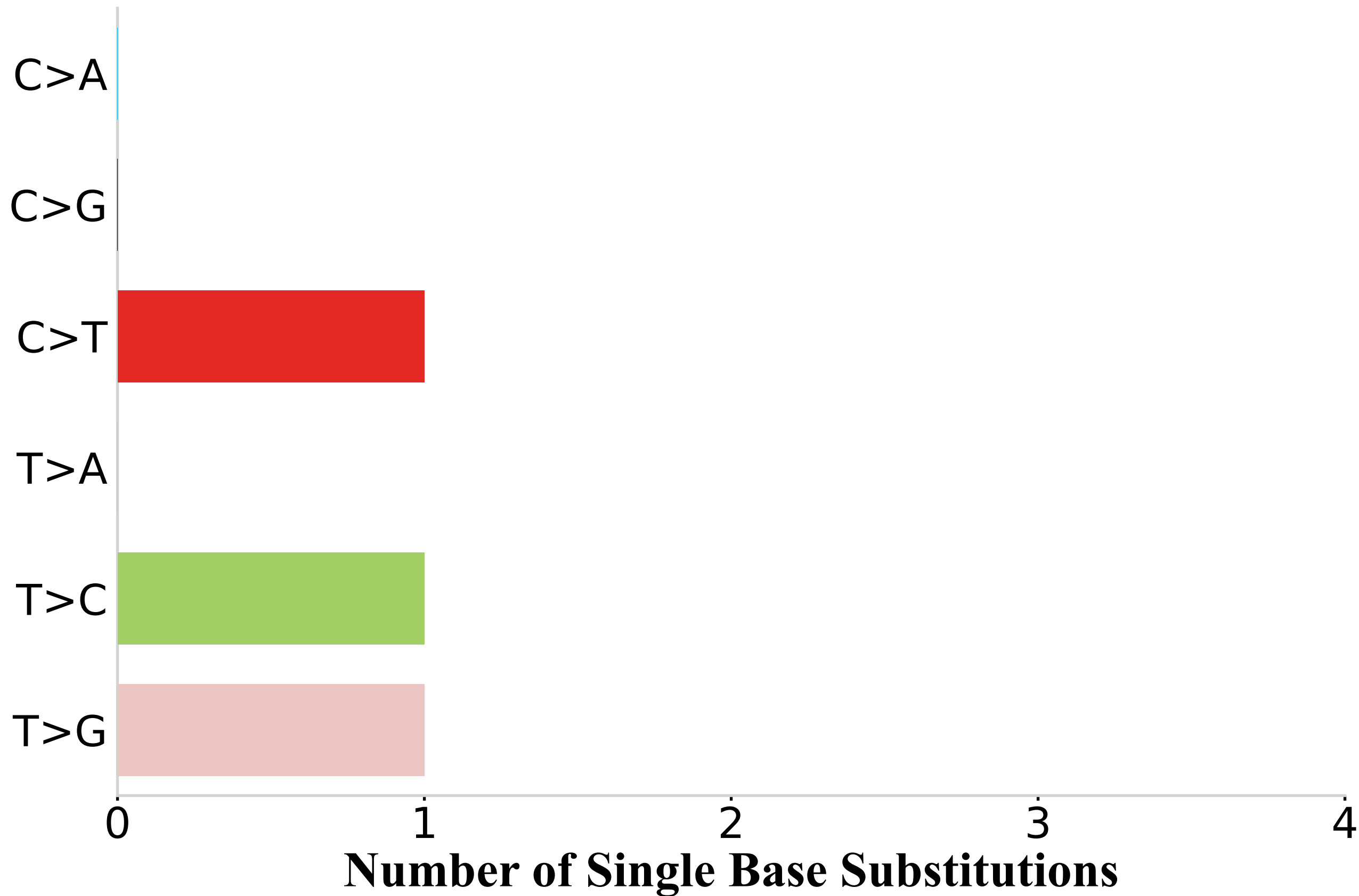
**P-0014911-T01-IM6: 17 subs**



**P-0015107-T01-IM6: 10 subs**

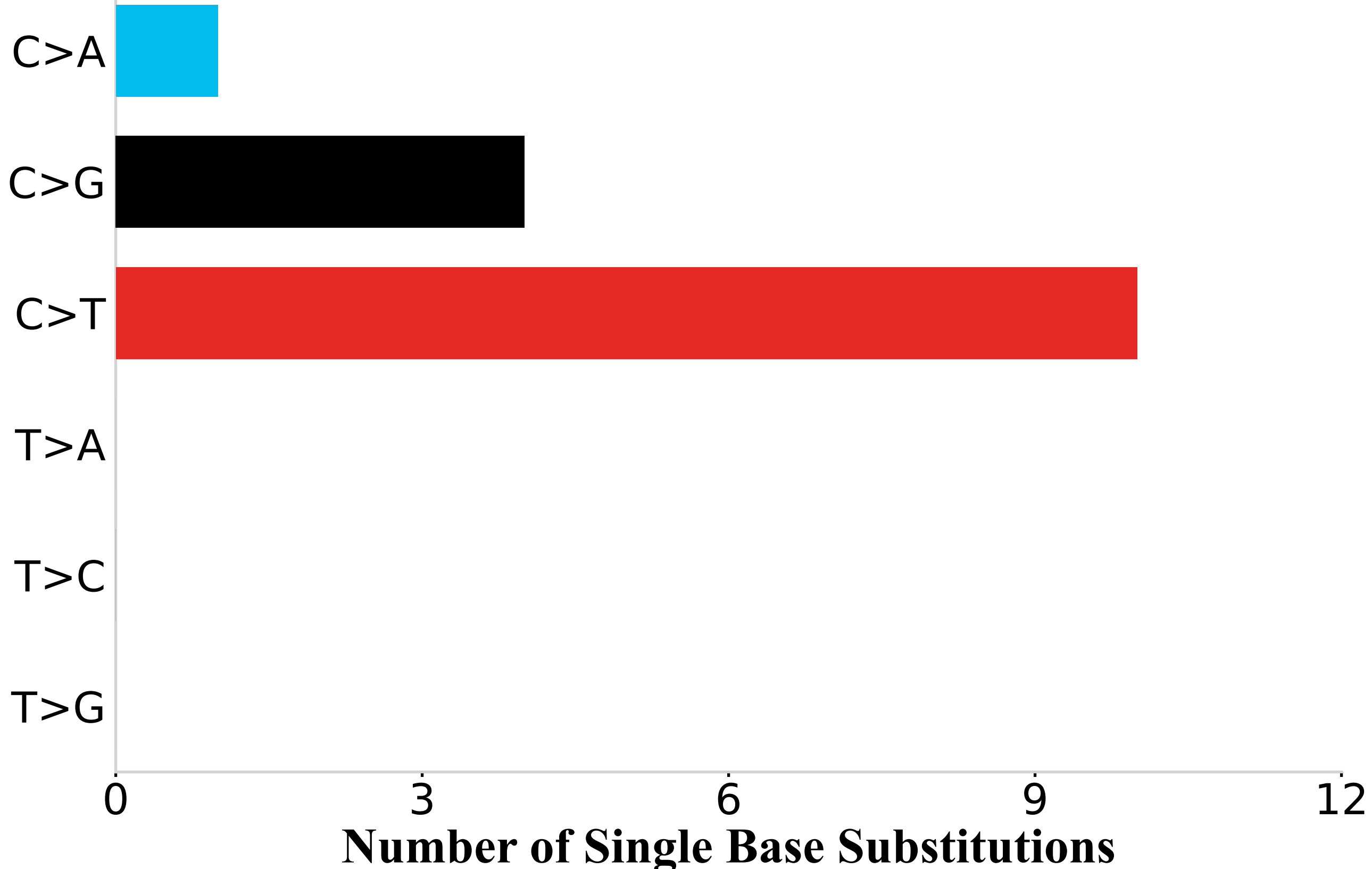


**P-0015136-T01-IM6: 3 subs**

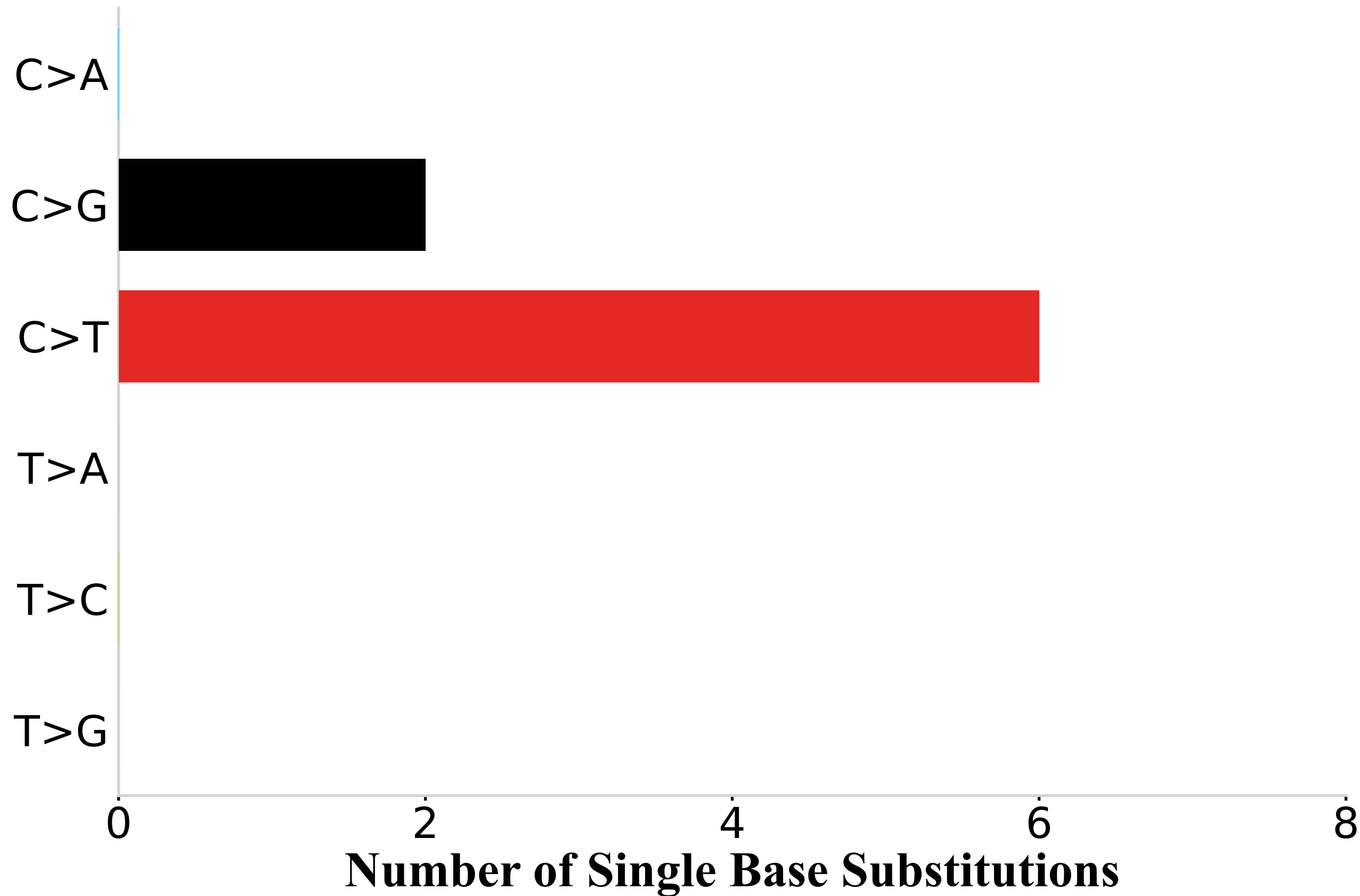




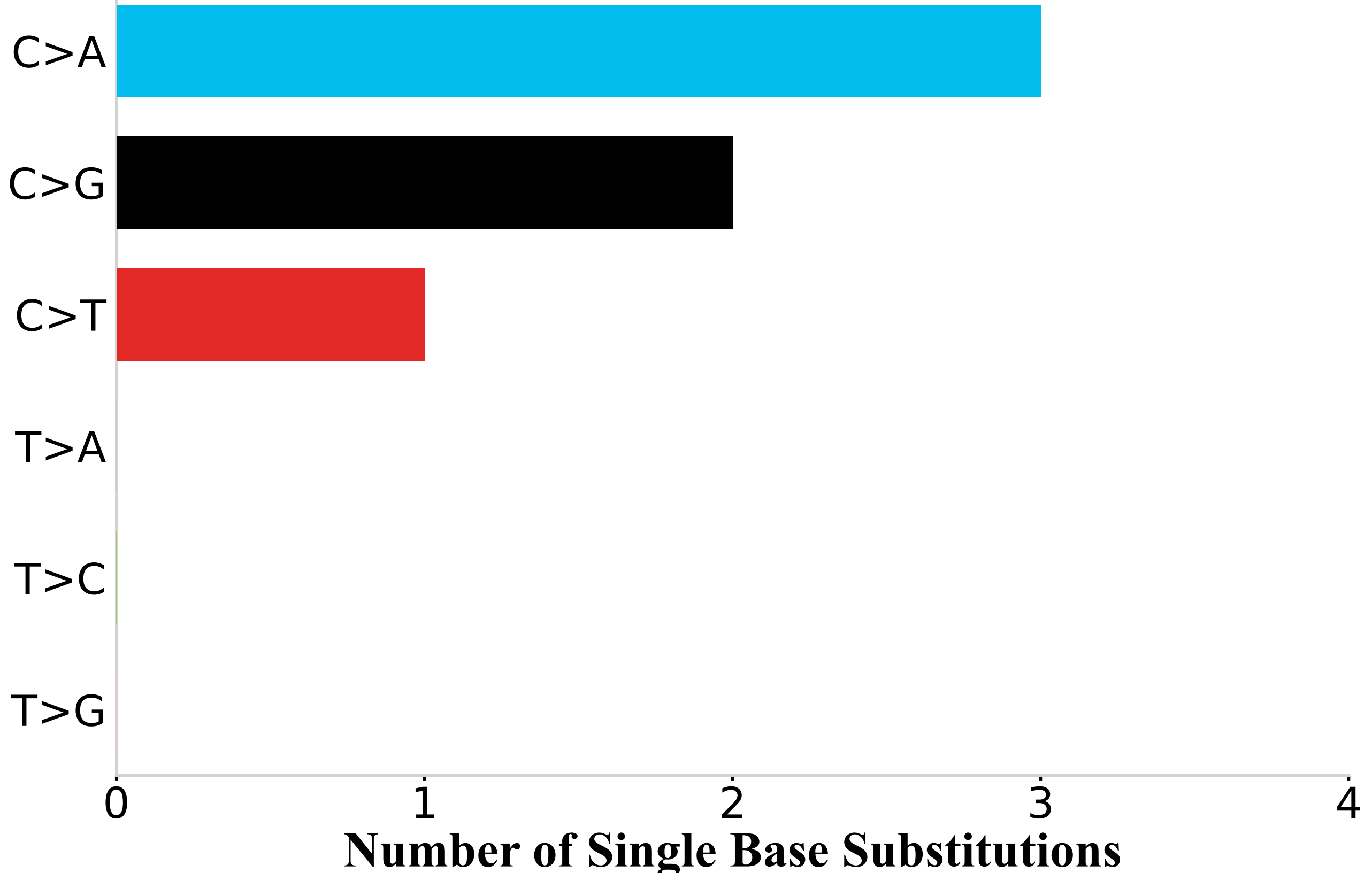
**P-0015549-T01-IM6: 15 subs**



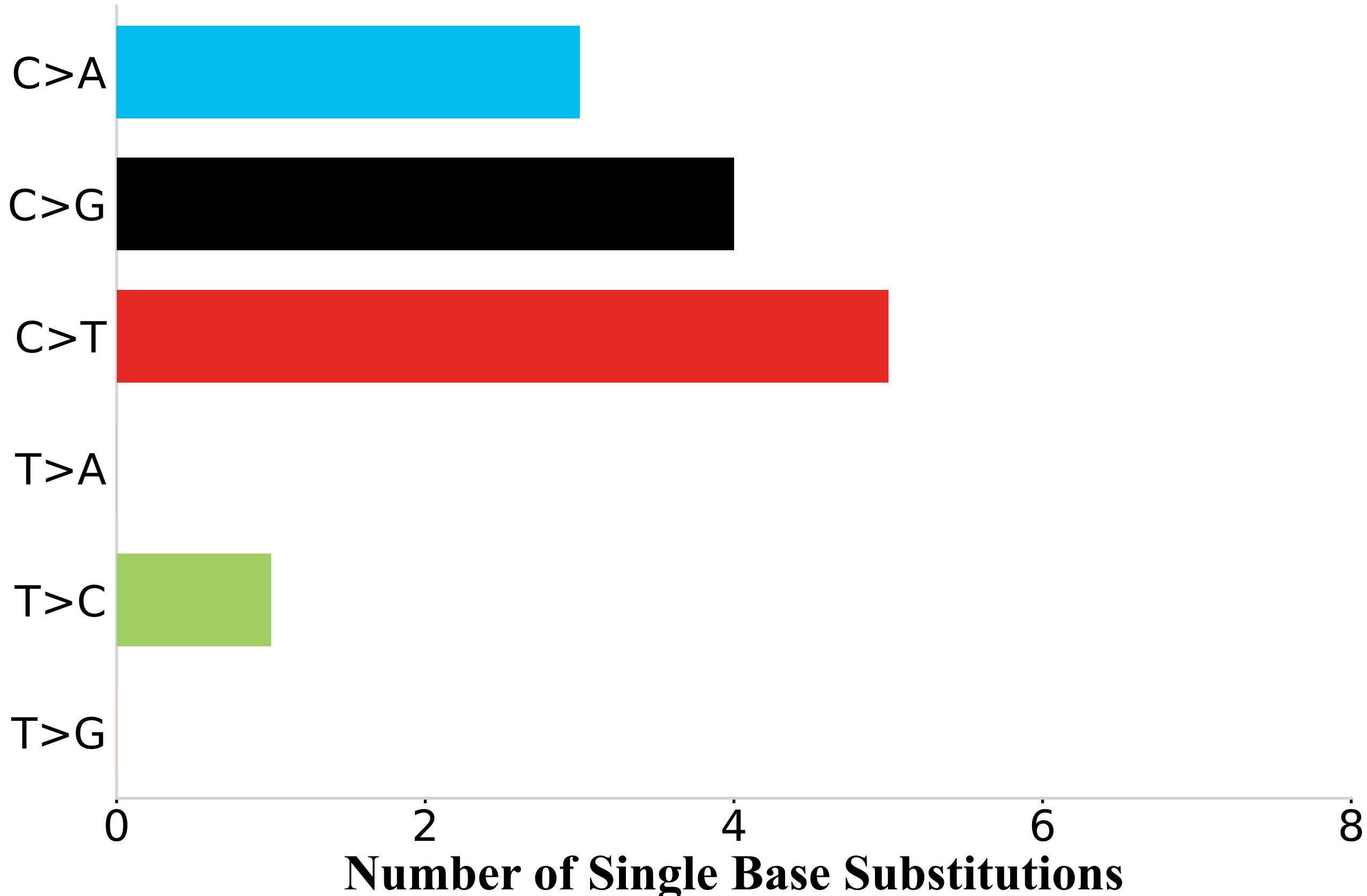
**P-0017720-T01-IM6: 8 subs**



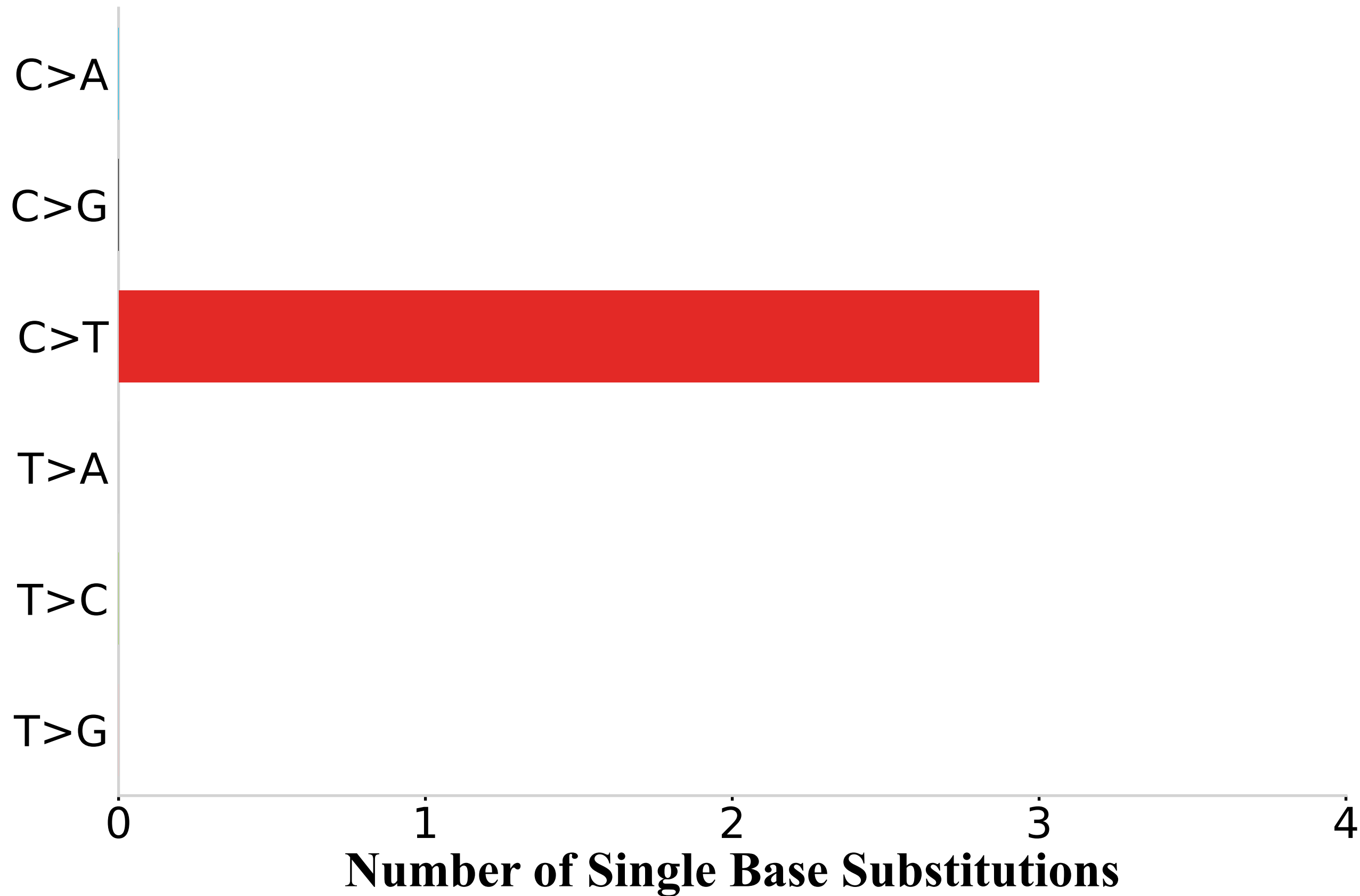
**P-0018456-T01-IM6: 6 subs**



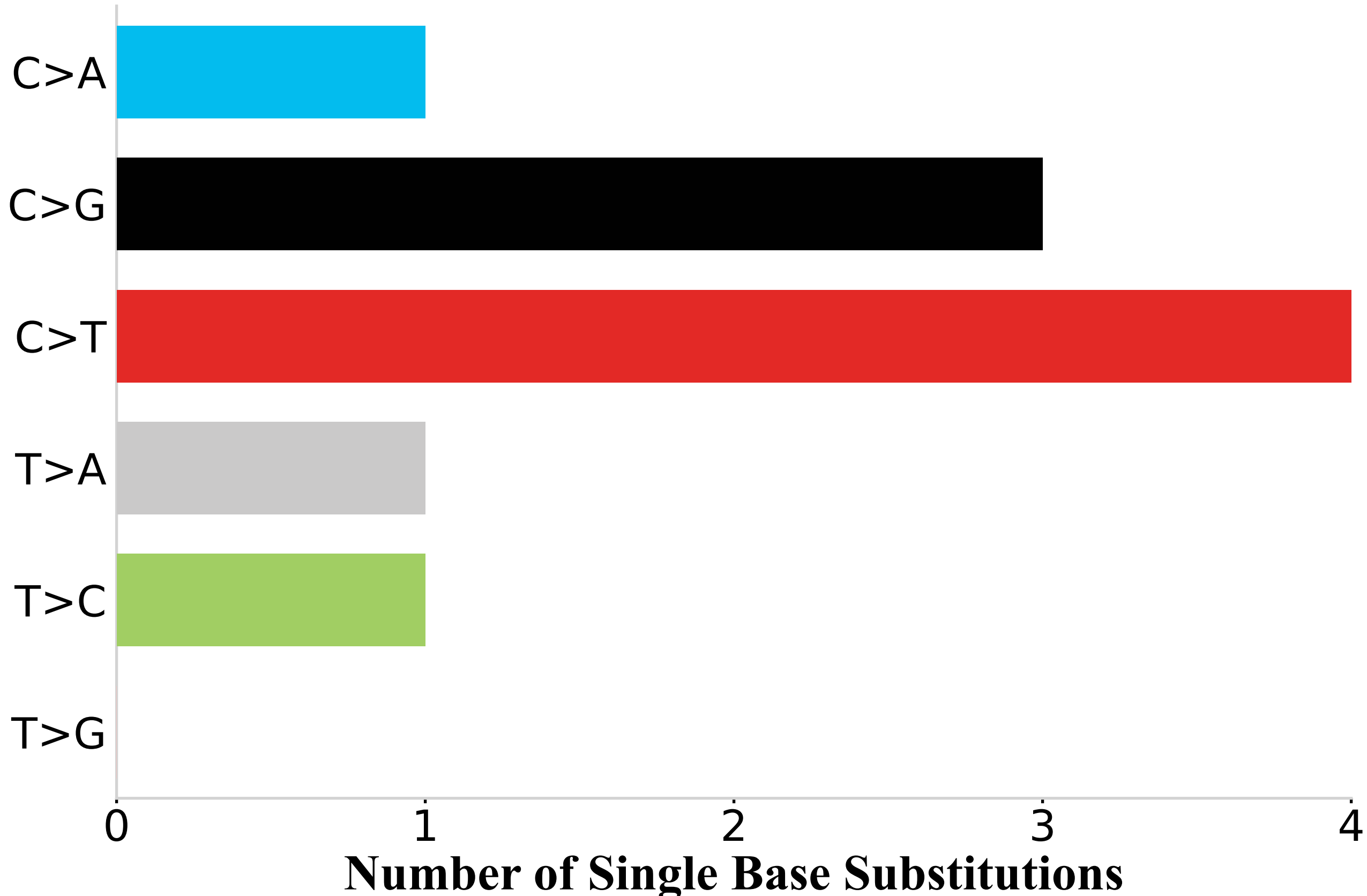
**P-0018582-T01-IM6: 13 subs**



**P-0019002-T02-IM6: 3 subs**



**P-0019339-T01-IM6: 10 subs**



**P-0020233-T01-IM6: 1 subs**



**P-0020589-T01-IM6: 5 subs**

C>A

C>G

C>T

T>A

T>C

T>G

0

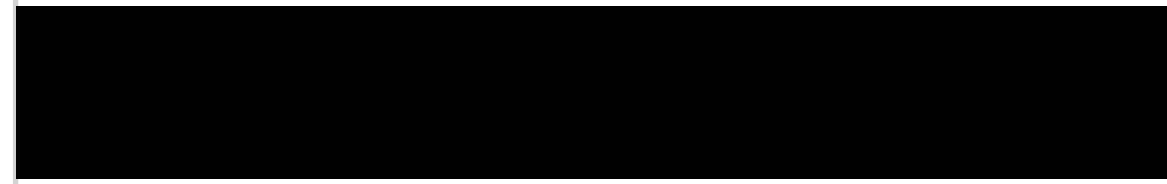
1

2

3

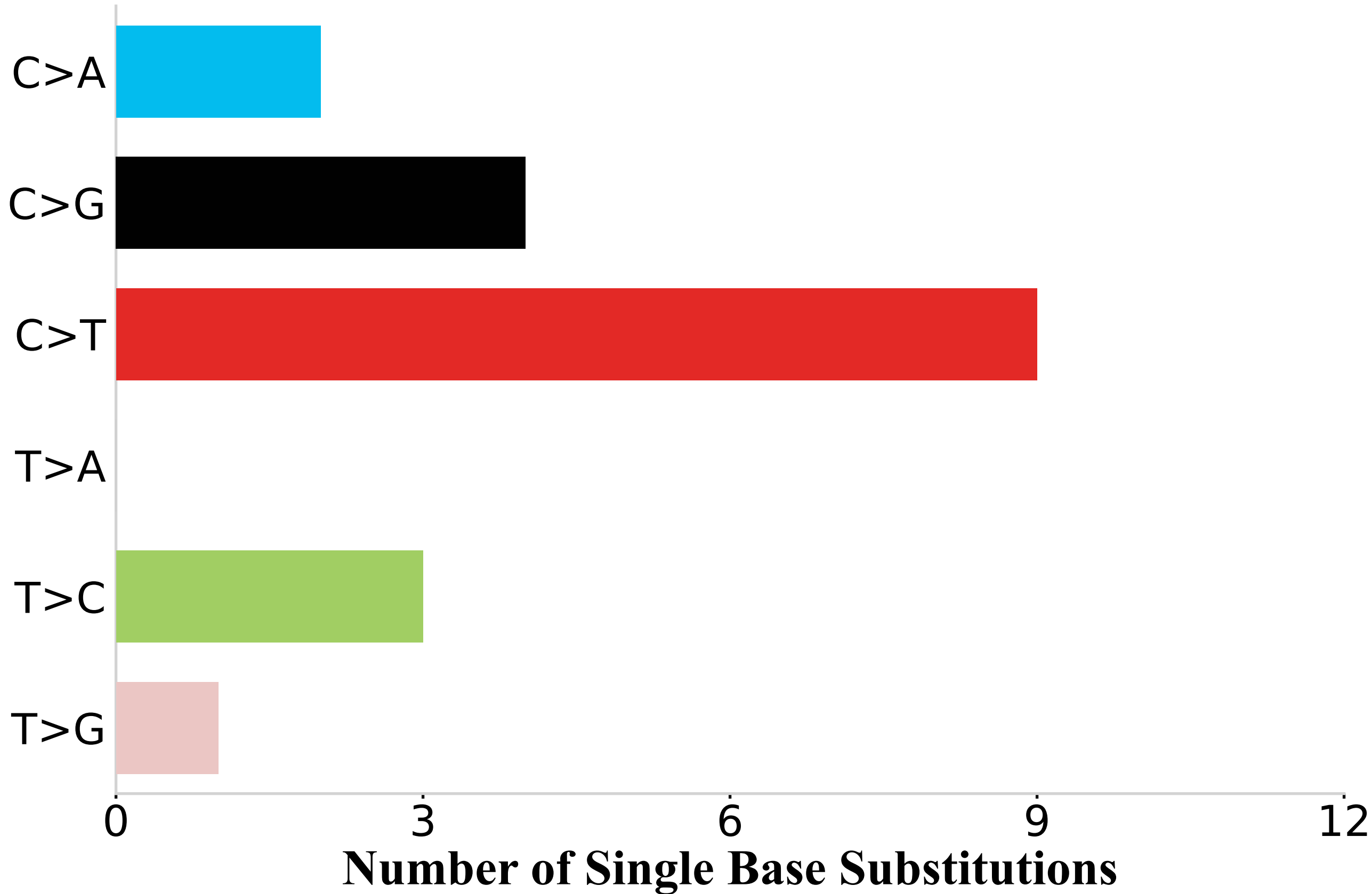
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**Number of Single Base Substitutions**

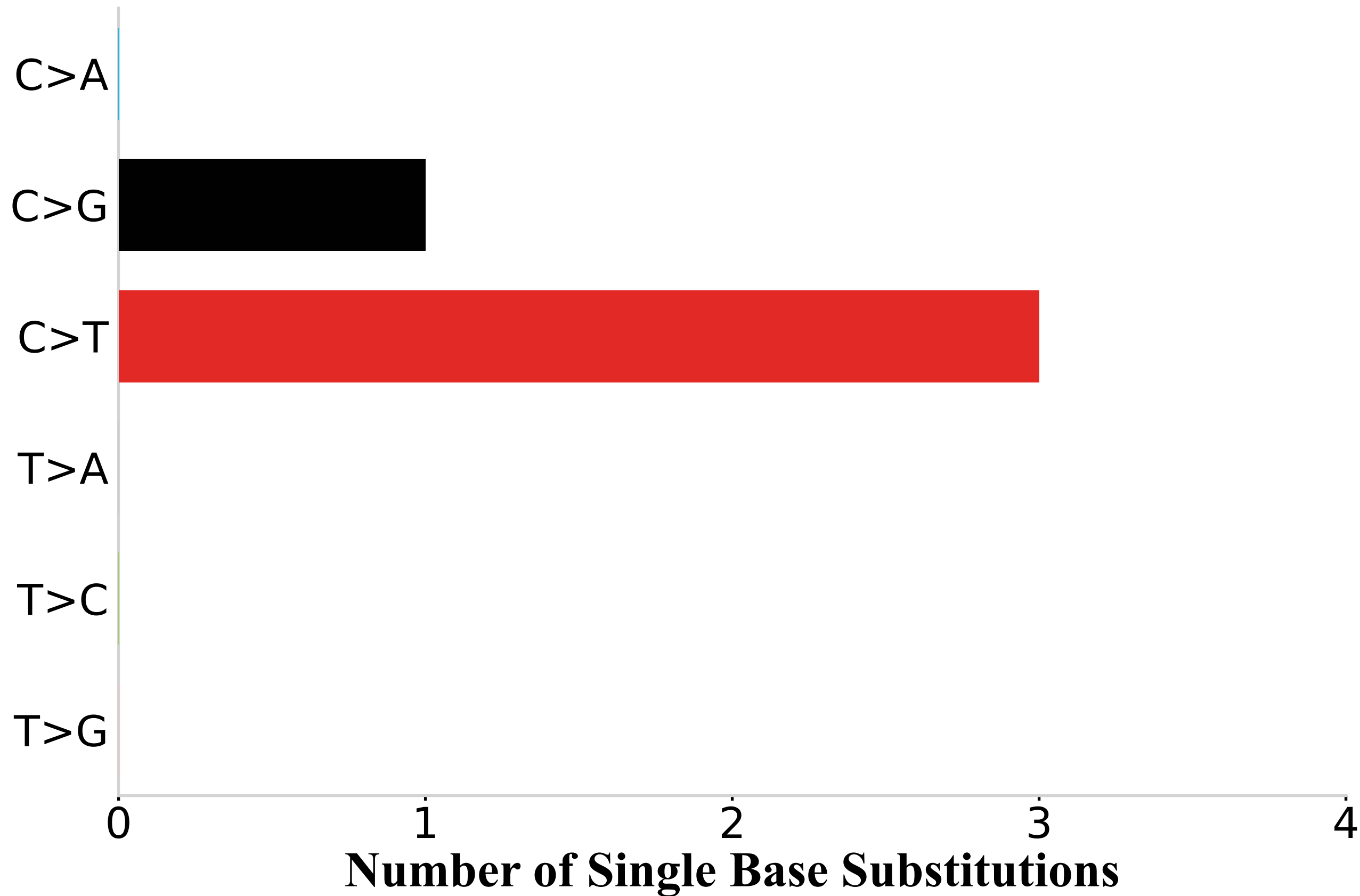




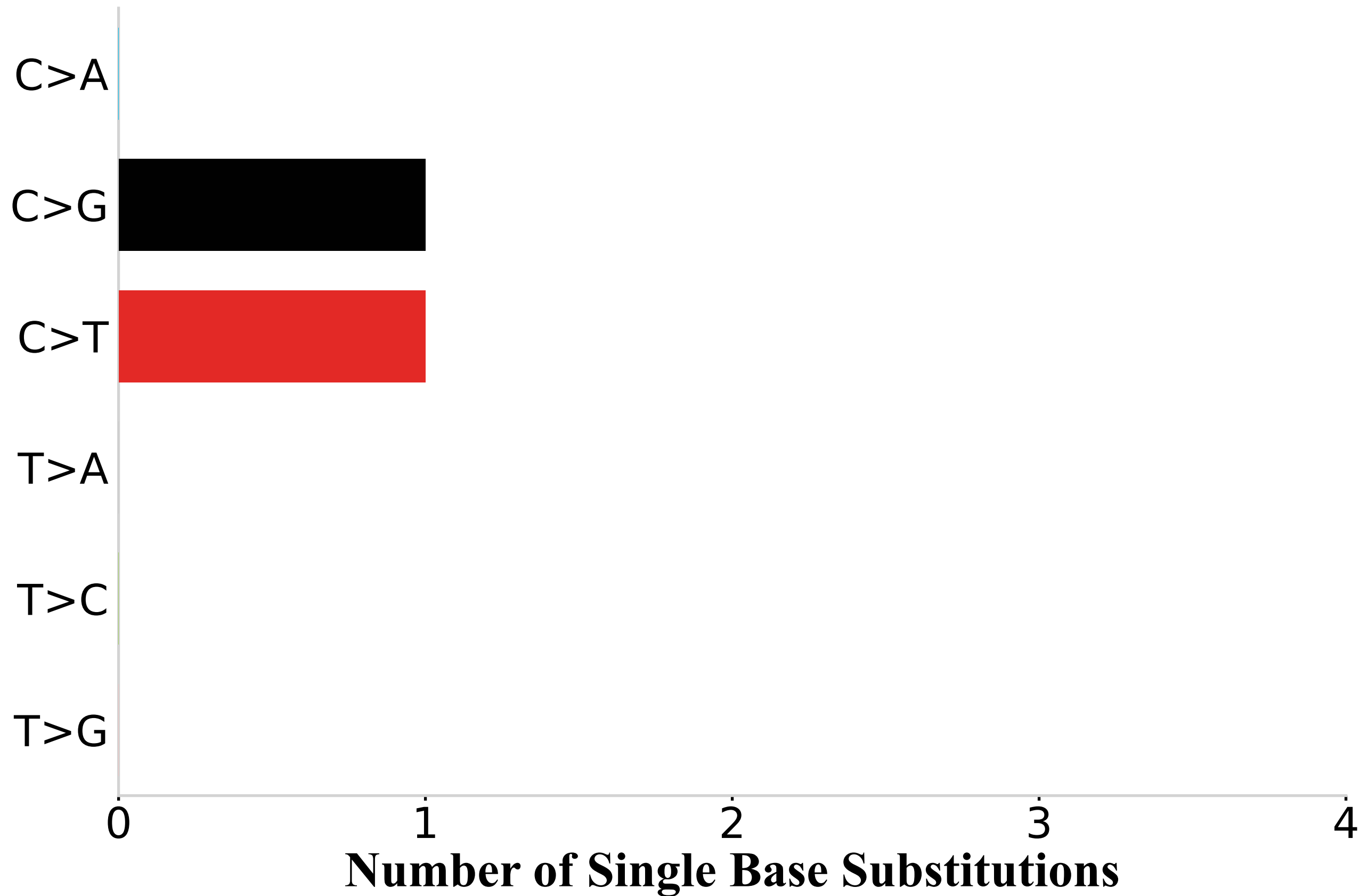
**P-0020886-T01-IM6: 19 subs**



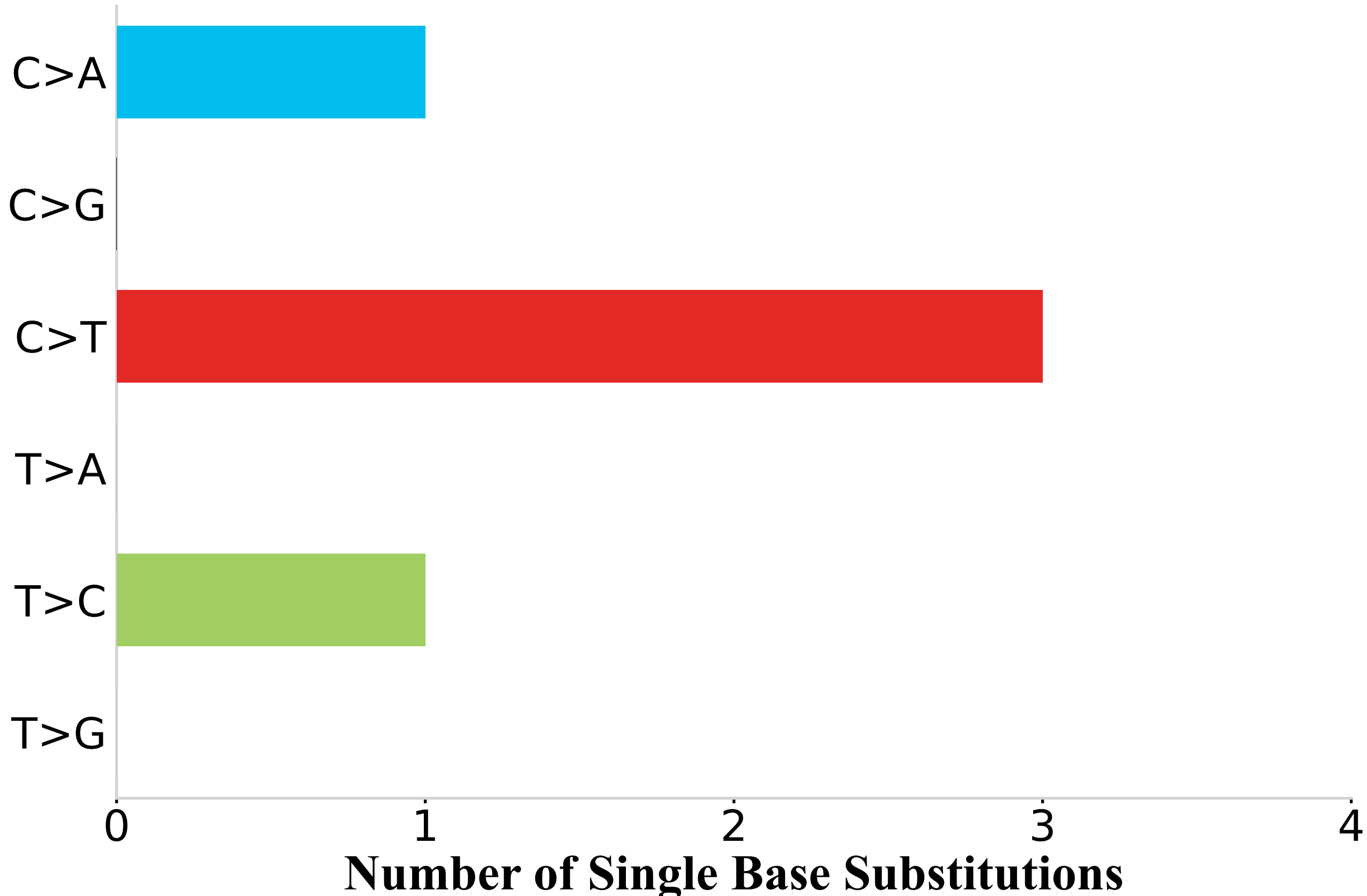
**P-0022242-T01-IM6: 4 subs**



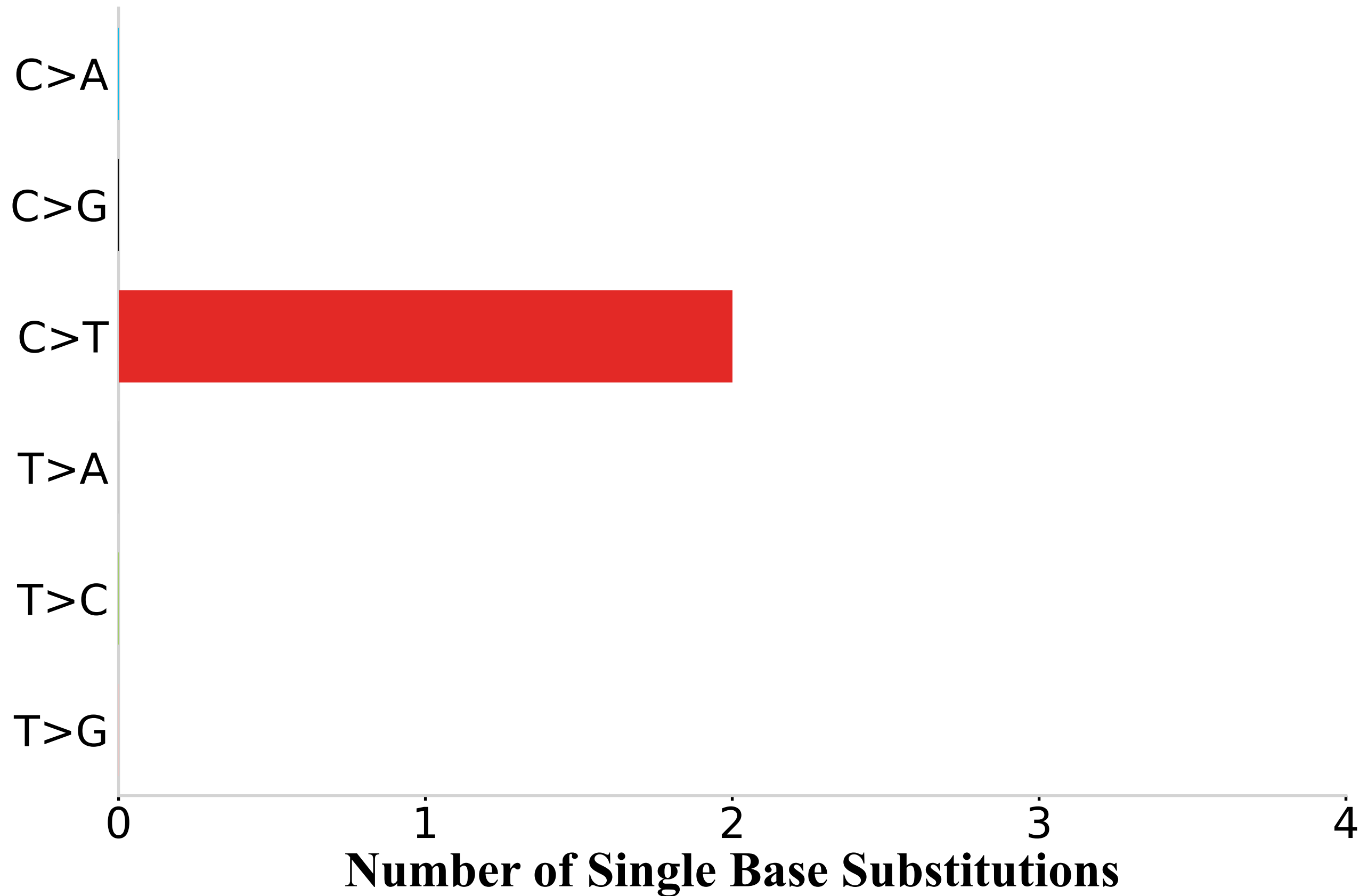
**P-0022863-T01-IM6: 2 subs**



**P-0025158-T01-IM6: 5 subs**



**P-0025346-T01-IM6: 2 subs**



**P-0025590-T01-IM6: 7 subs**

C>A

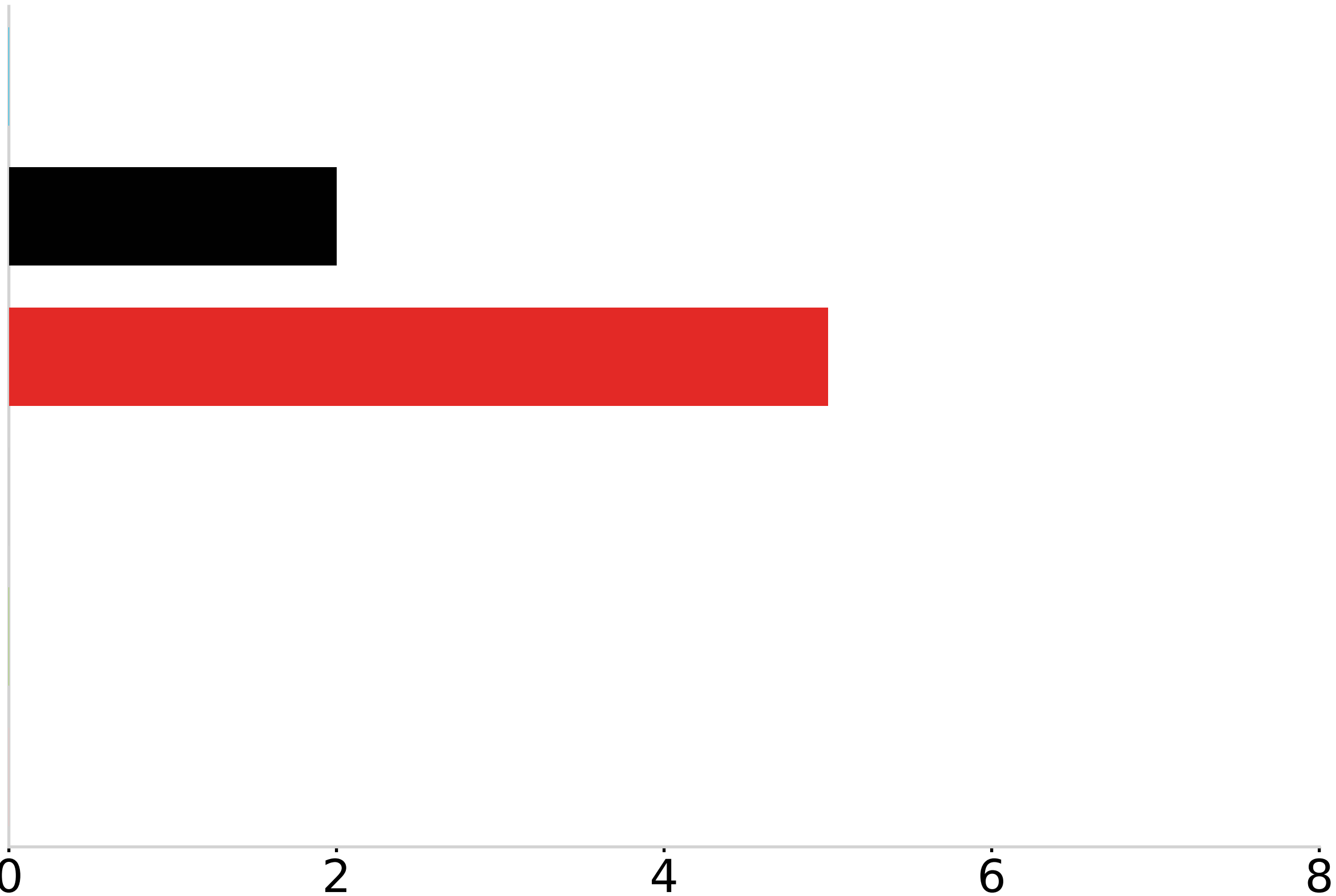
C>G

C>T

T>A

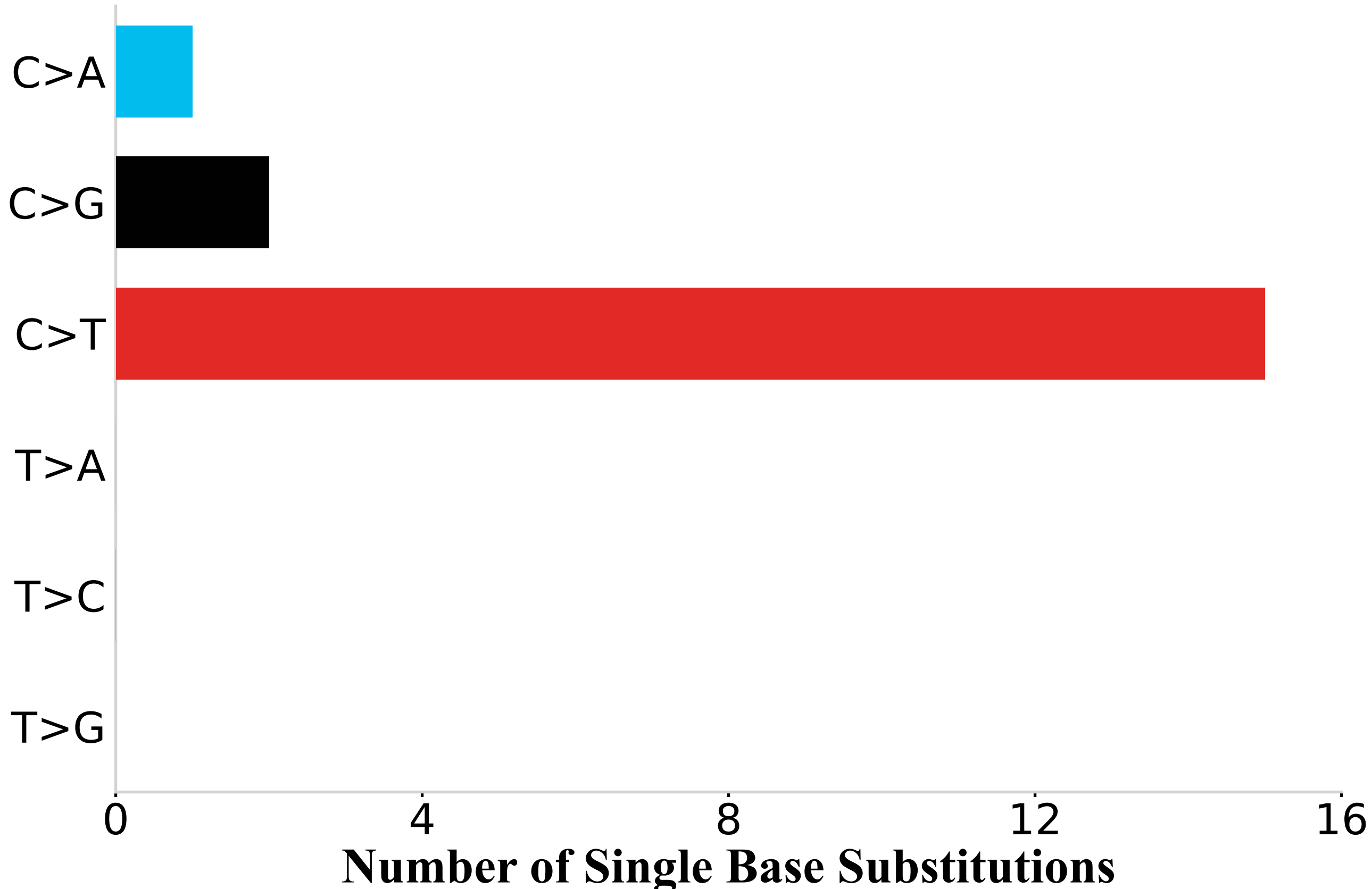
T>C

T>G



**Number of Single Base Substitutions**

**P-0027643-T01-IM6: 18 subs**

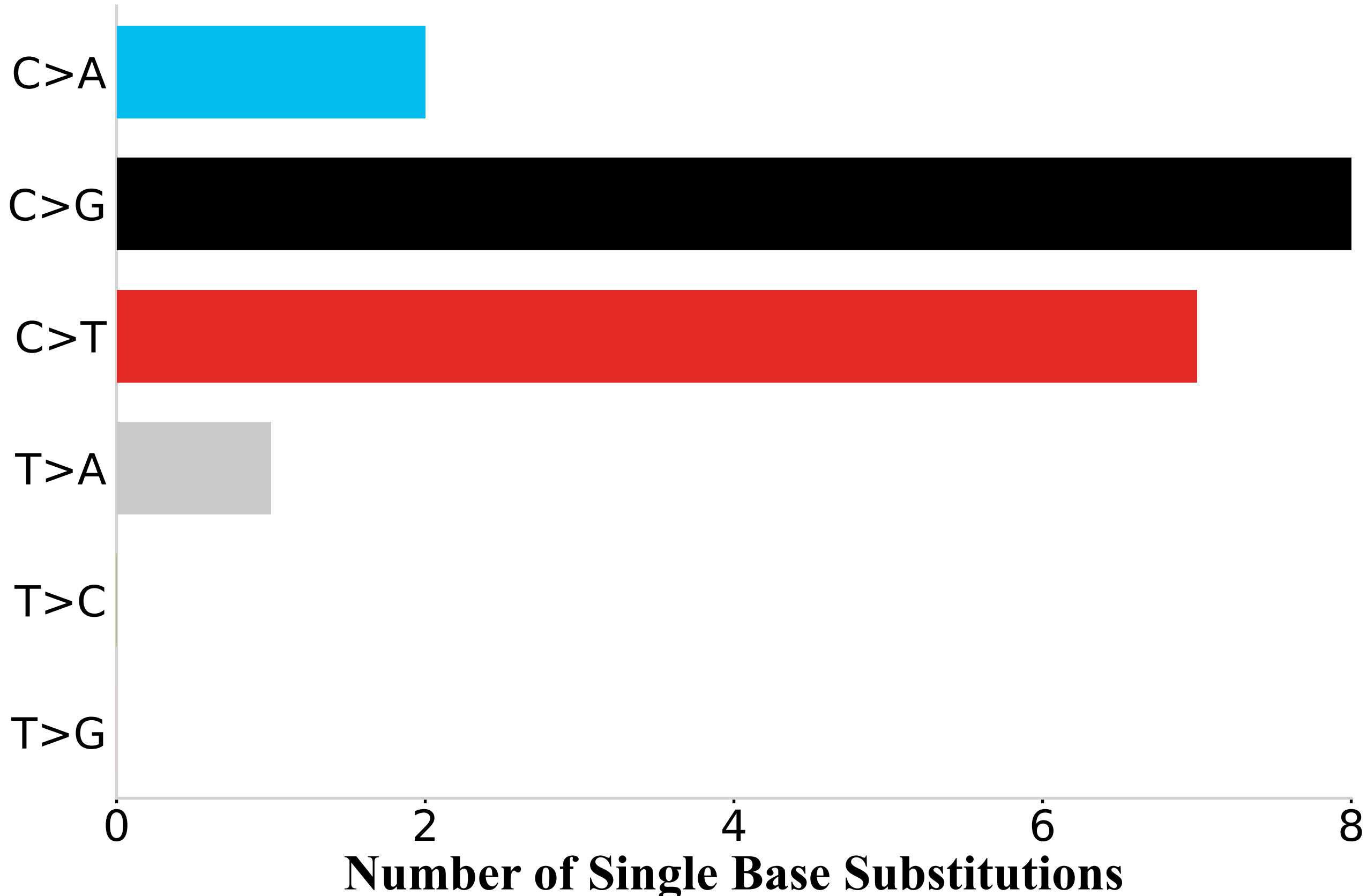


**P-0027744-T01-IM6: 1 subs**

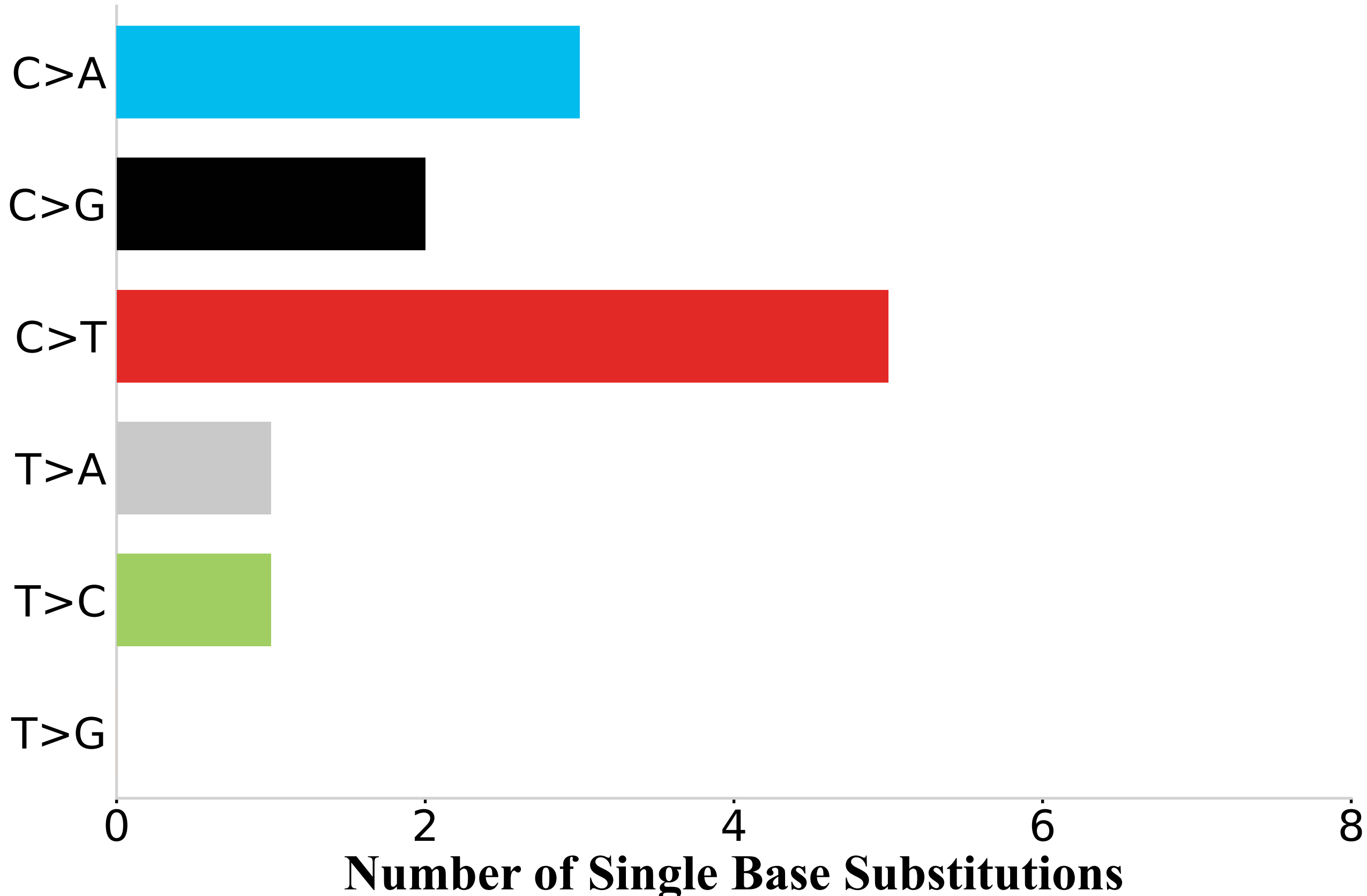




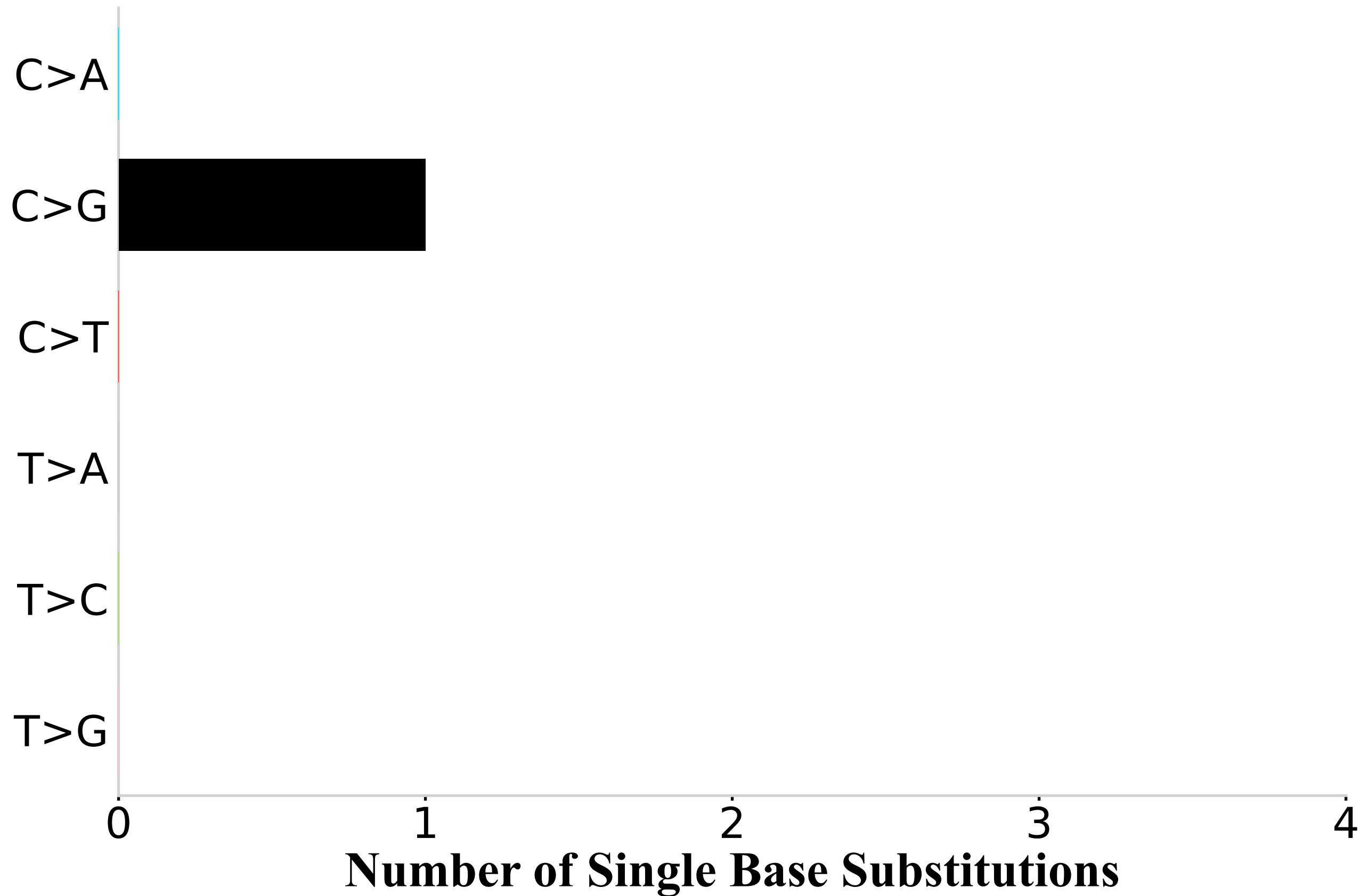
**P-0028156-T01-IM6: 18 subs**



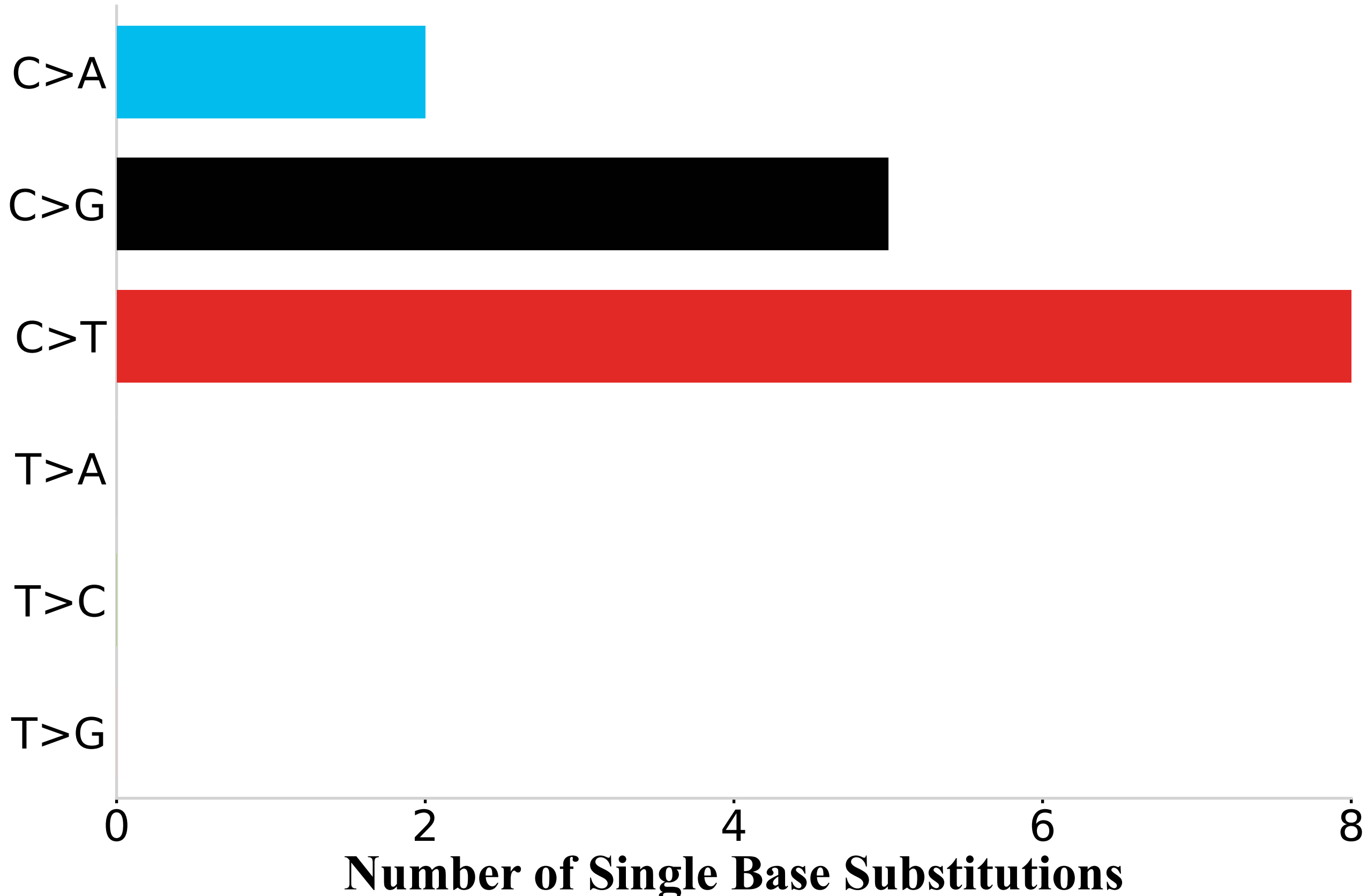
**P-0028206-T01-IM6: 12 subs**



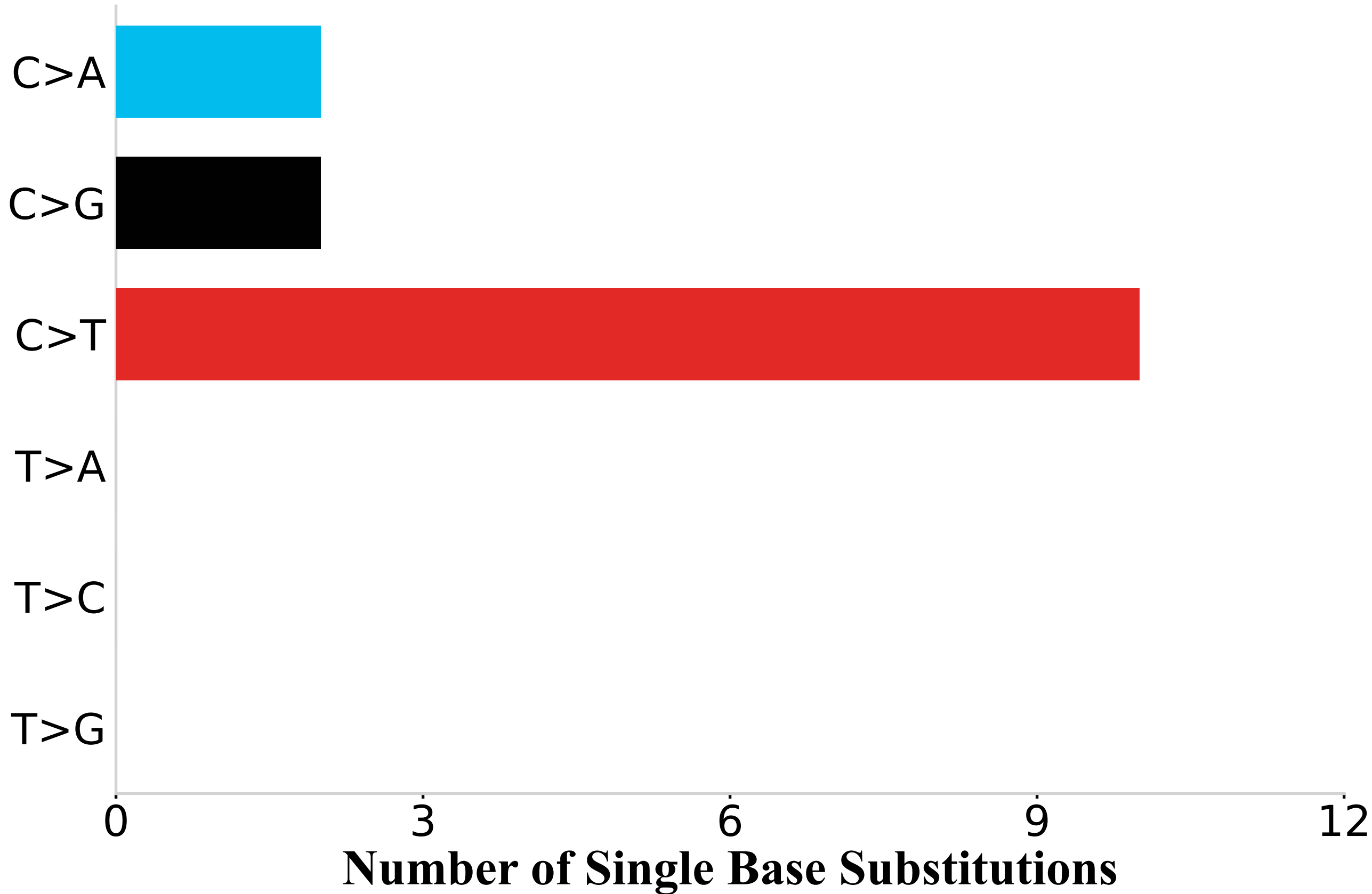
**P-0029605-T01-IM6: 1 subs**



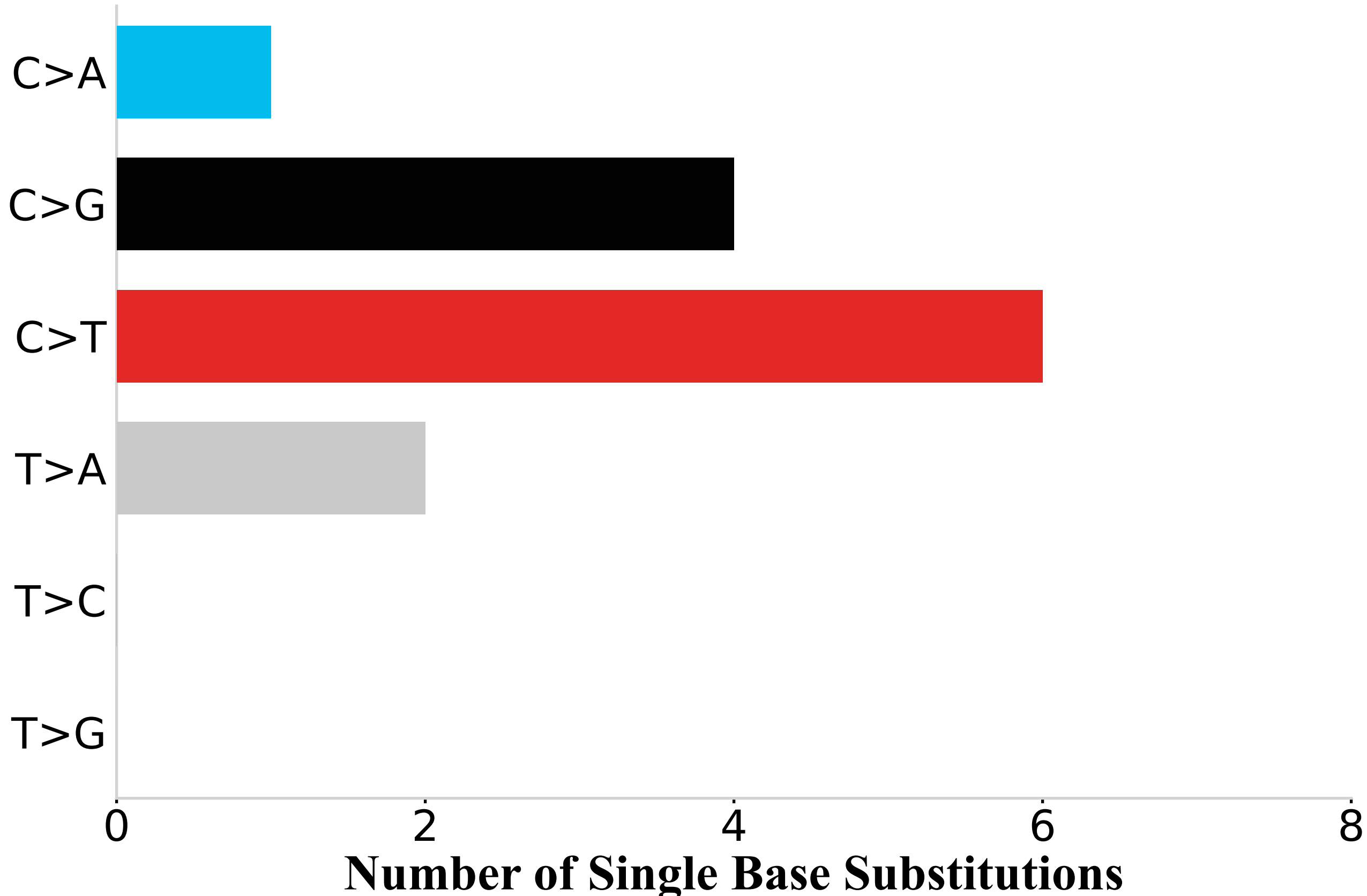
**P-0029635-T01-IM6: 15 subs**



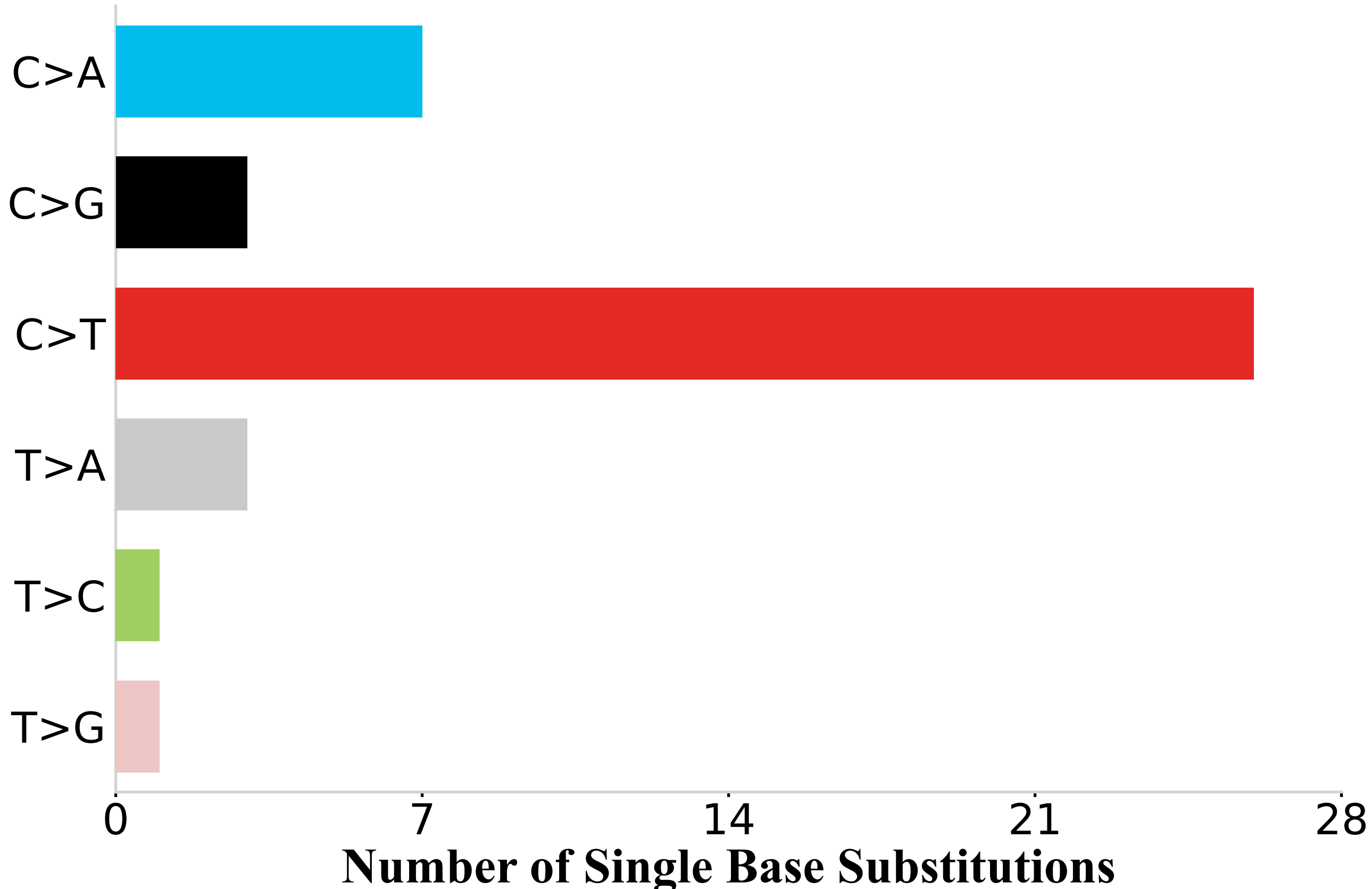
**P-0029938-T01-IM6: 14 subs**



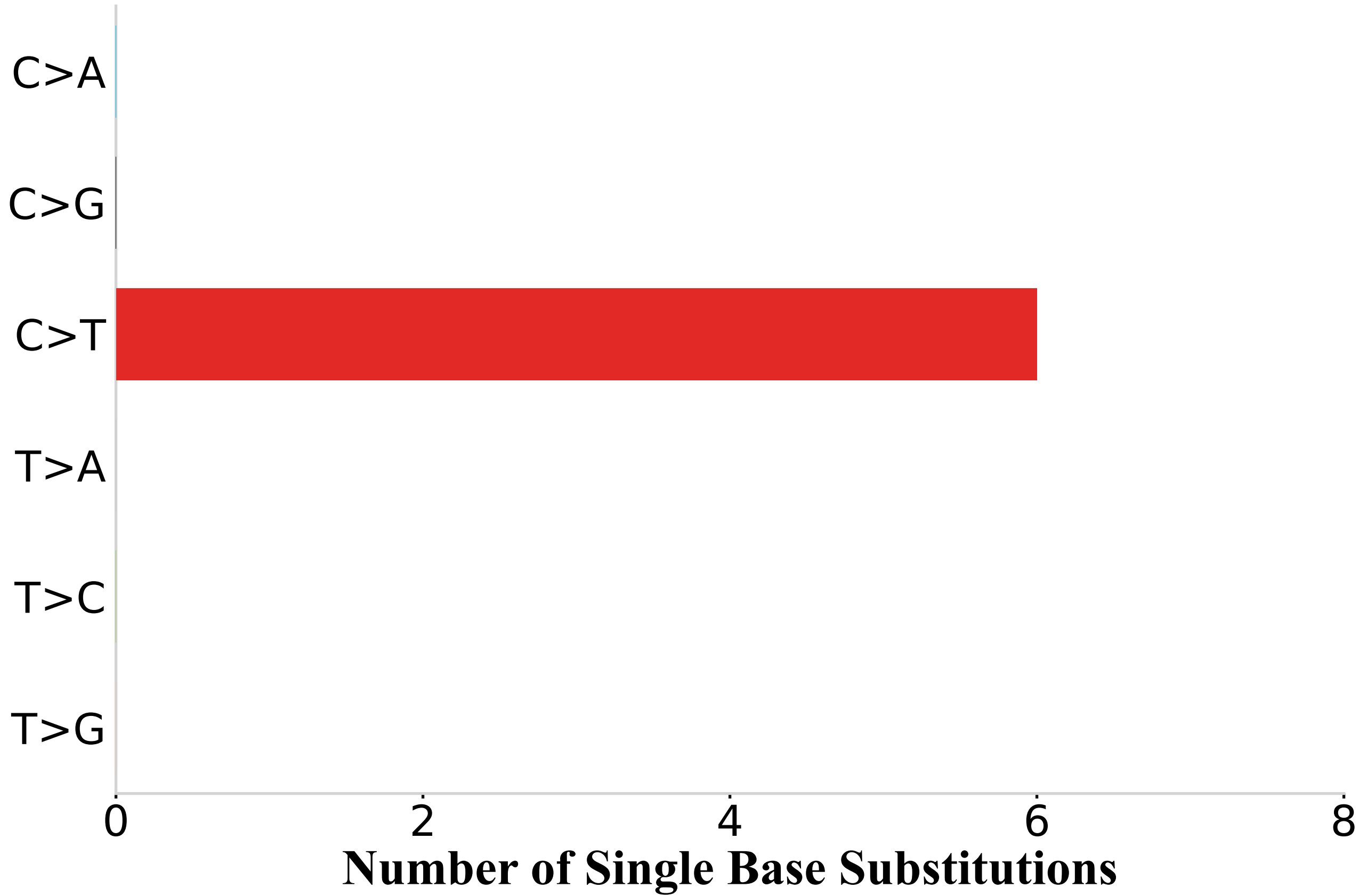
**P-0030254-T01-IM6: 13 subs**



**P-0030257-T01-IM6: 41 subs**



**P-0030876-T01-IM6: 6 subs**





**P-0030956-T01-IM6: 0 subs**

C>A

C>G

C>T

T>A

T>C

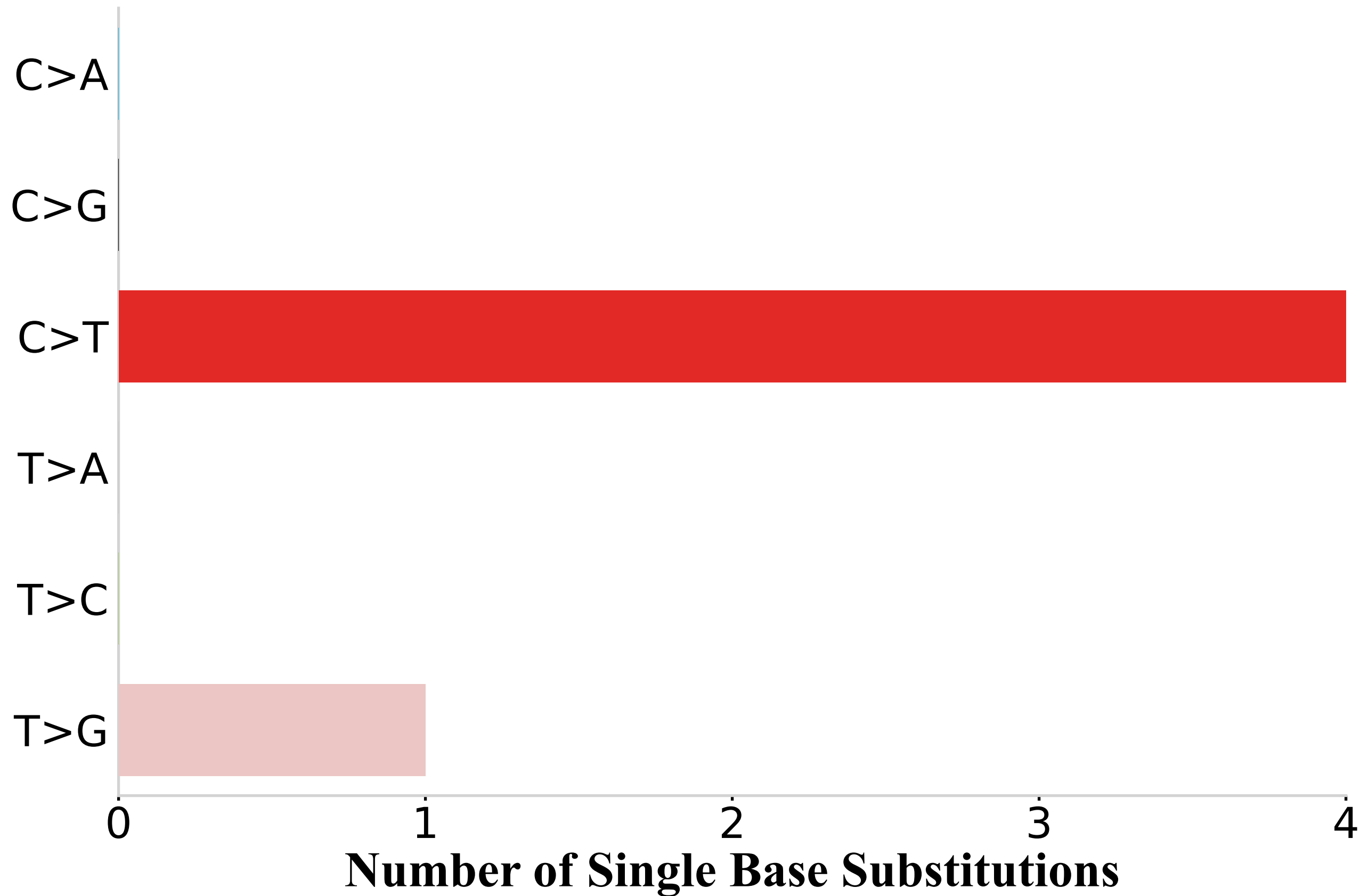
T>G

0

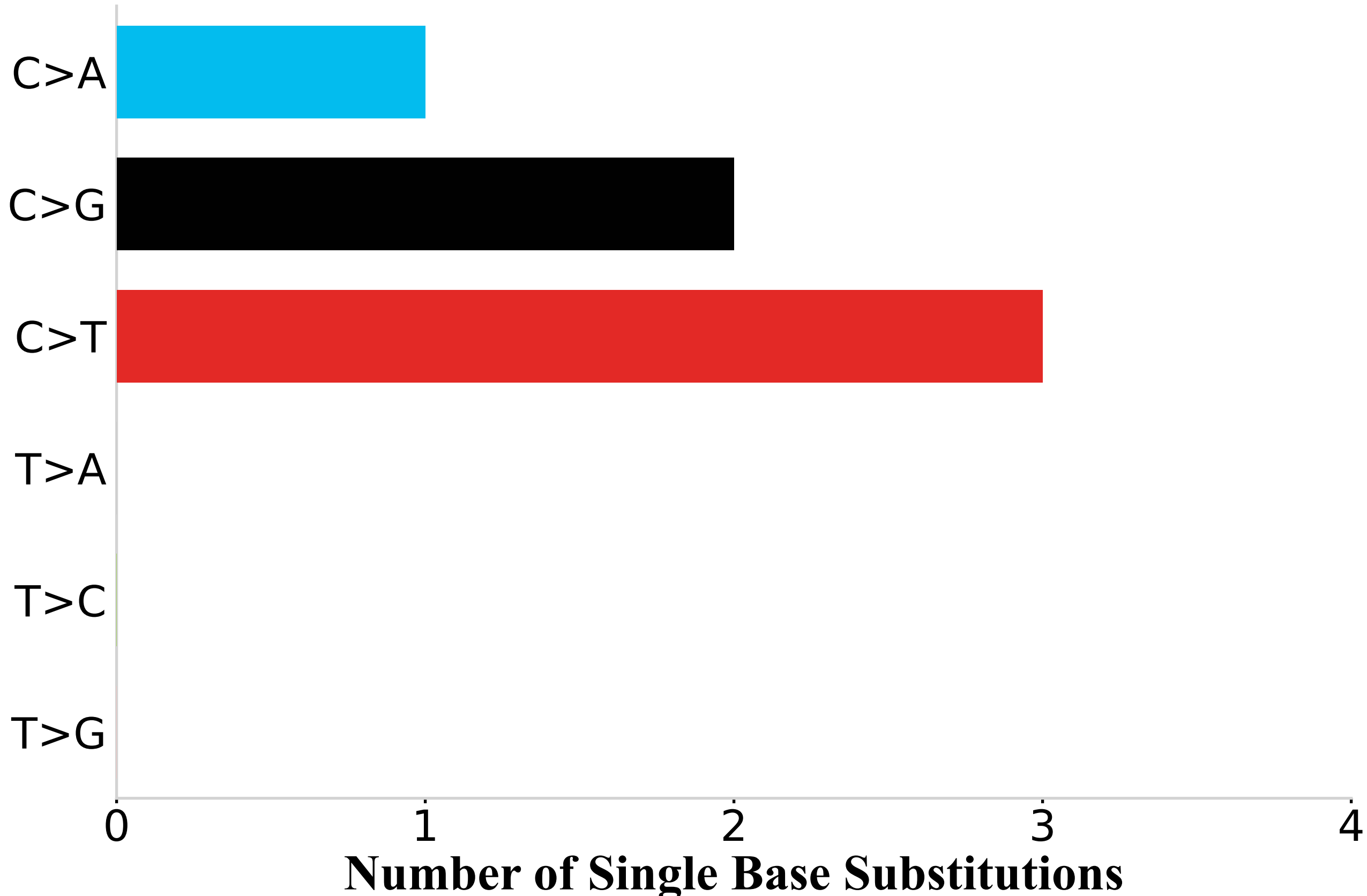
**Number of Single Base Substitutions**



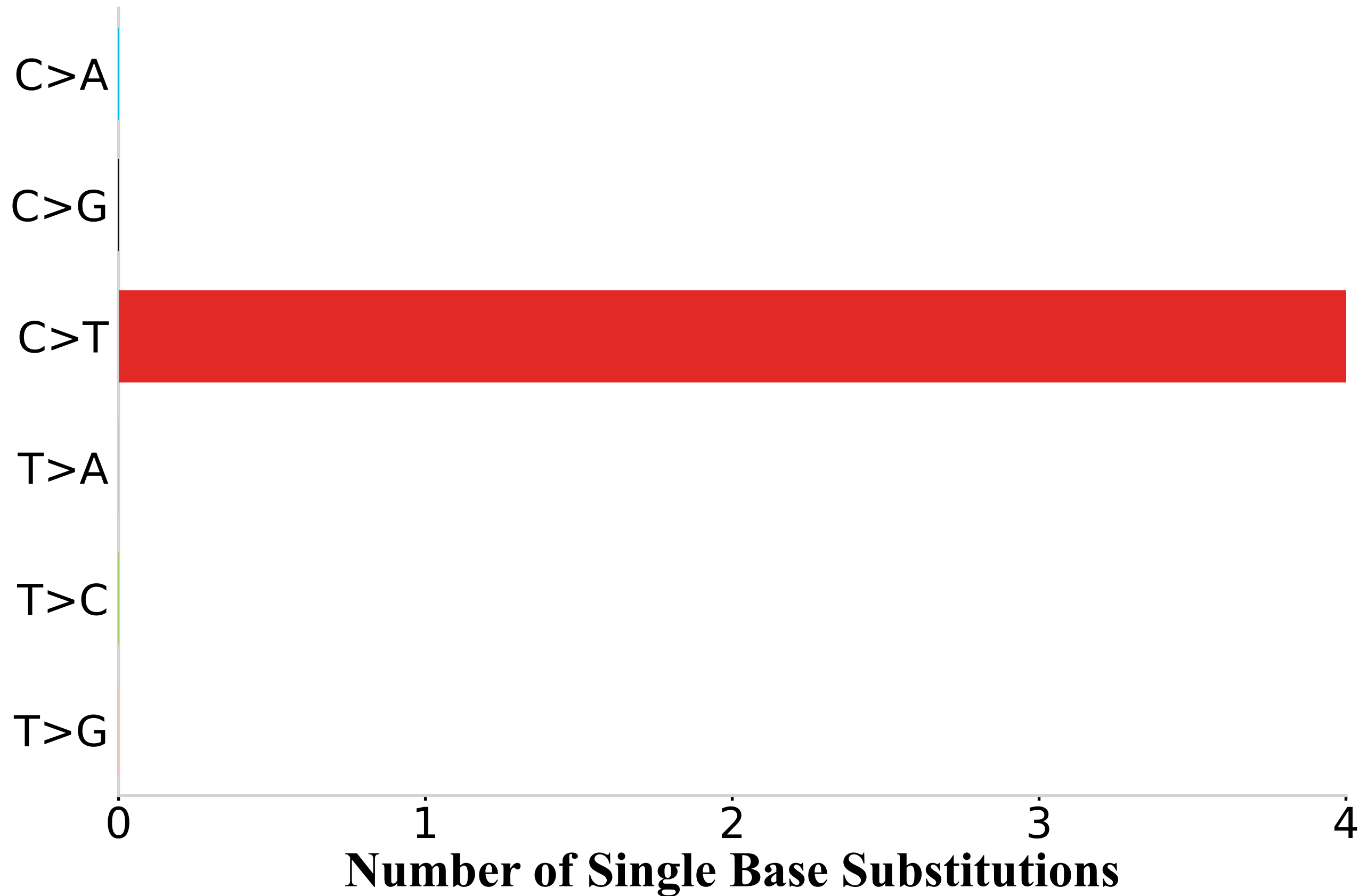
**P-0030986-T01-IM6: 5 subs**



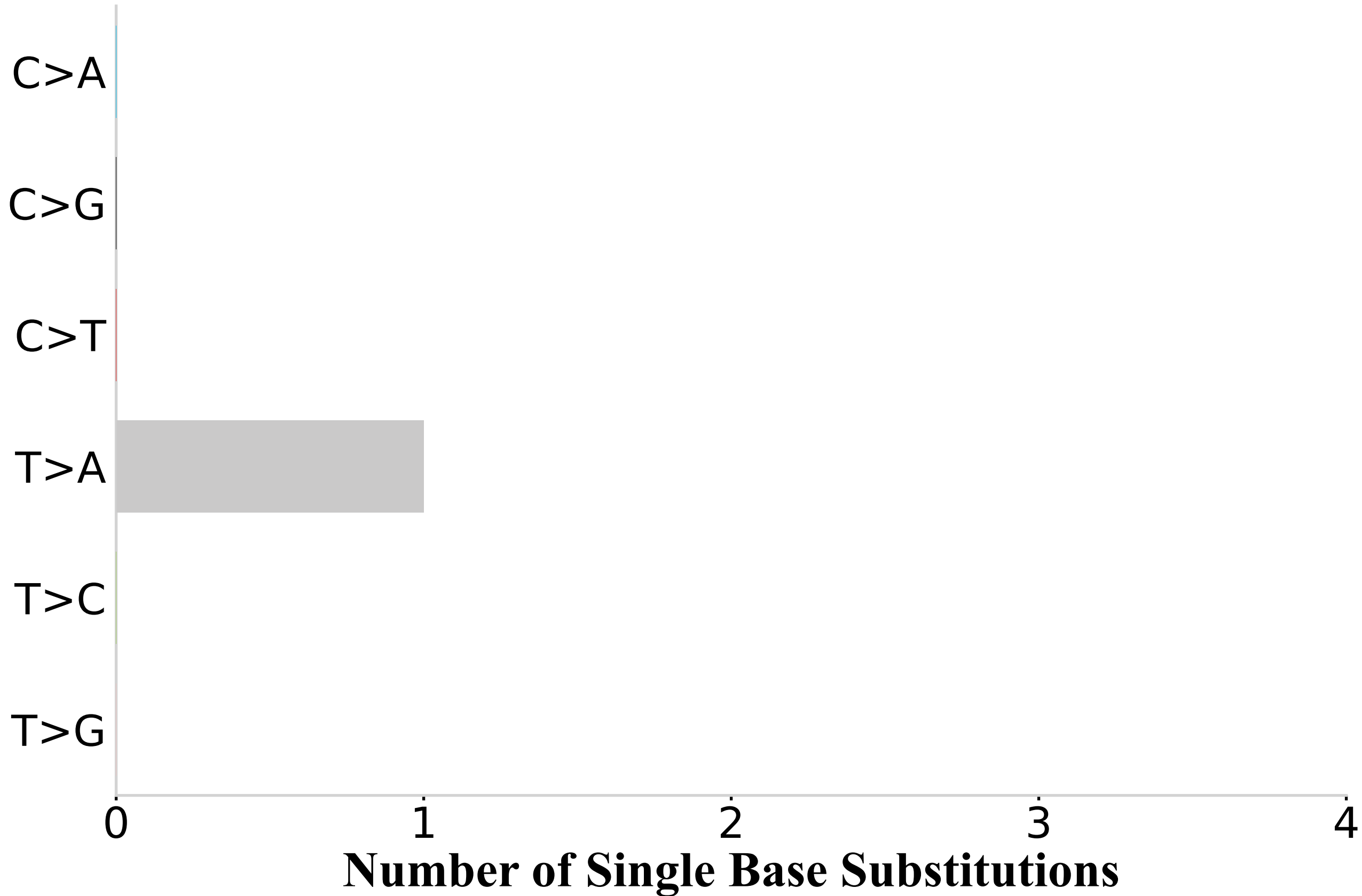
**P-0031481-T01-IM6: 6 subs**



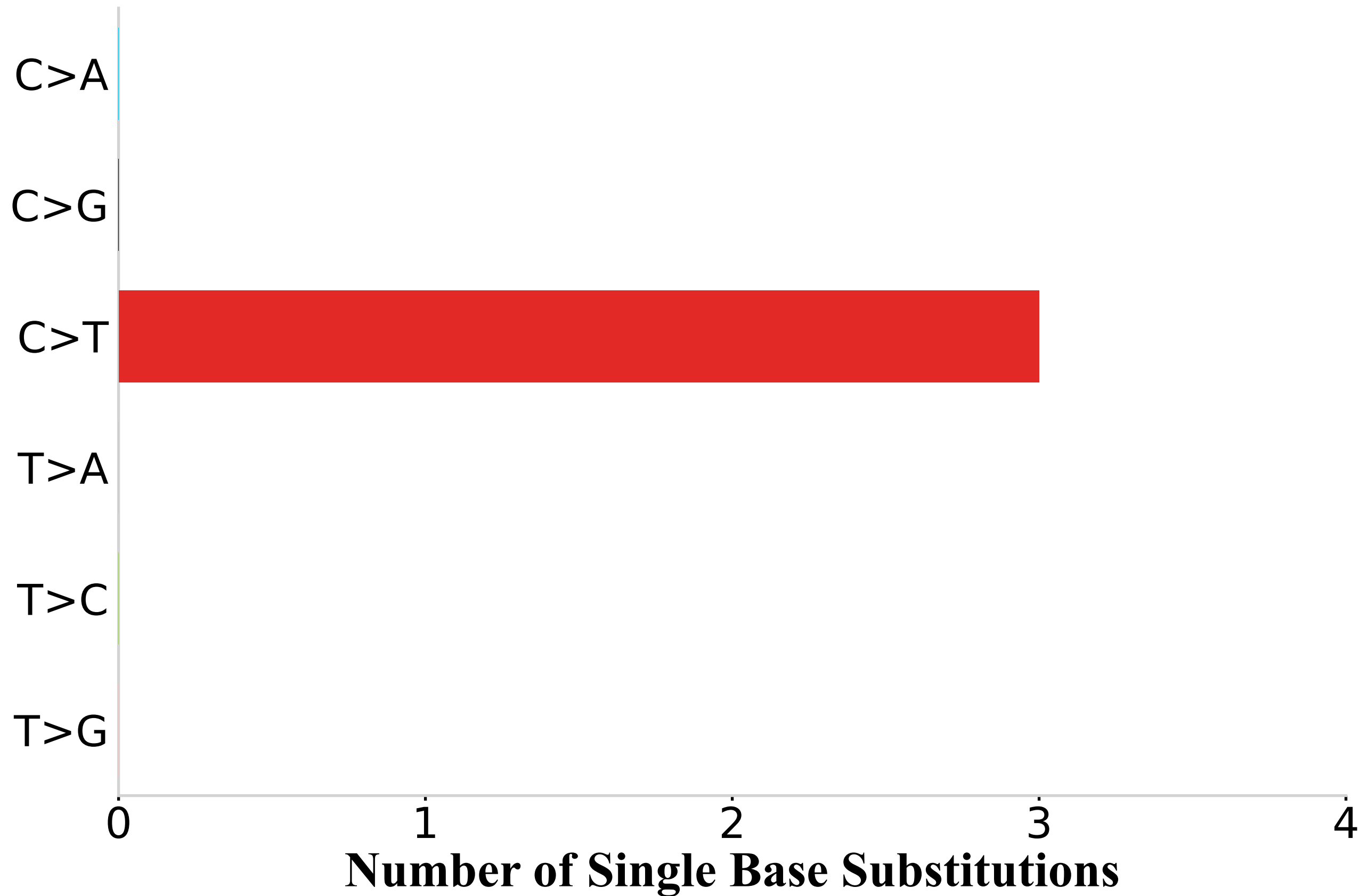
**P-0031629-T01-IM6: 4 subs**



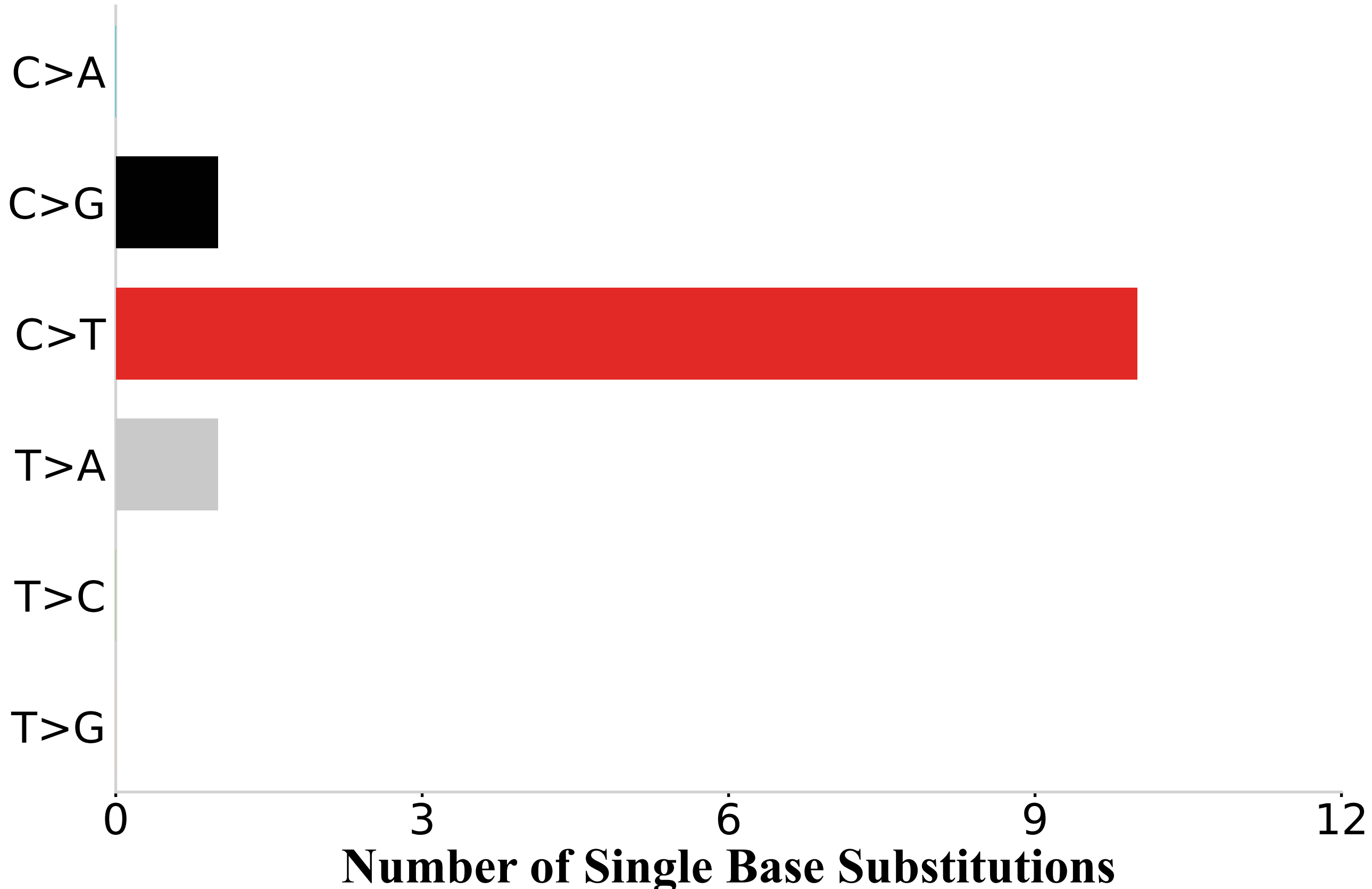
**P-0031767-T01-IM6: 1 subs**



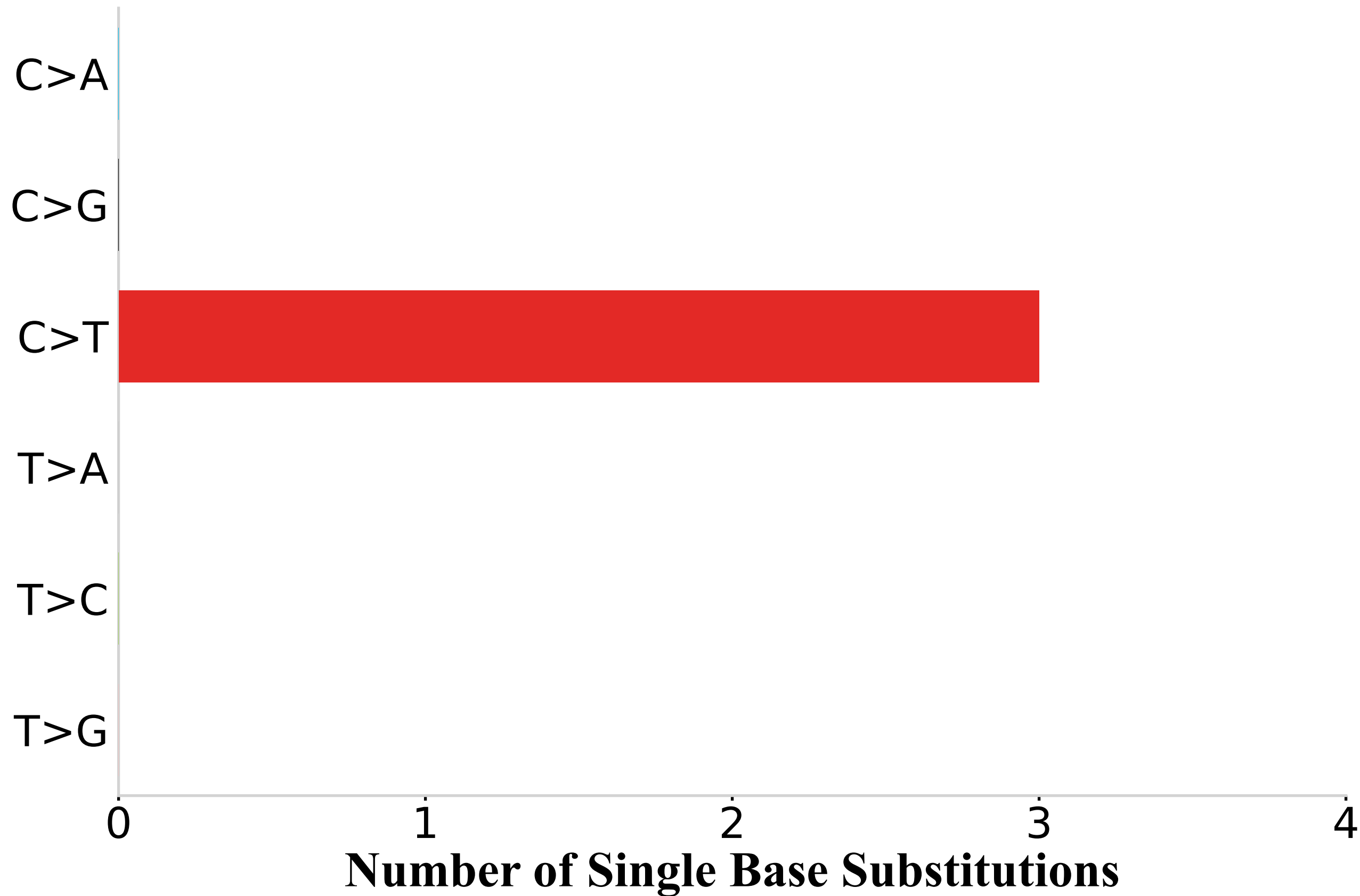
**P-0031854-T01-IM6: 3 subs**



**P-0032384-T01-IM6: 12 subs**

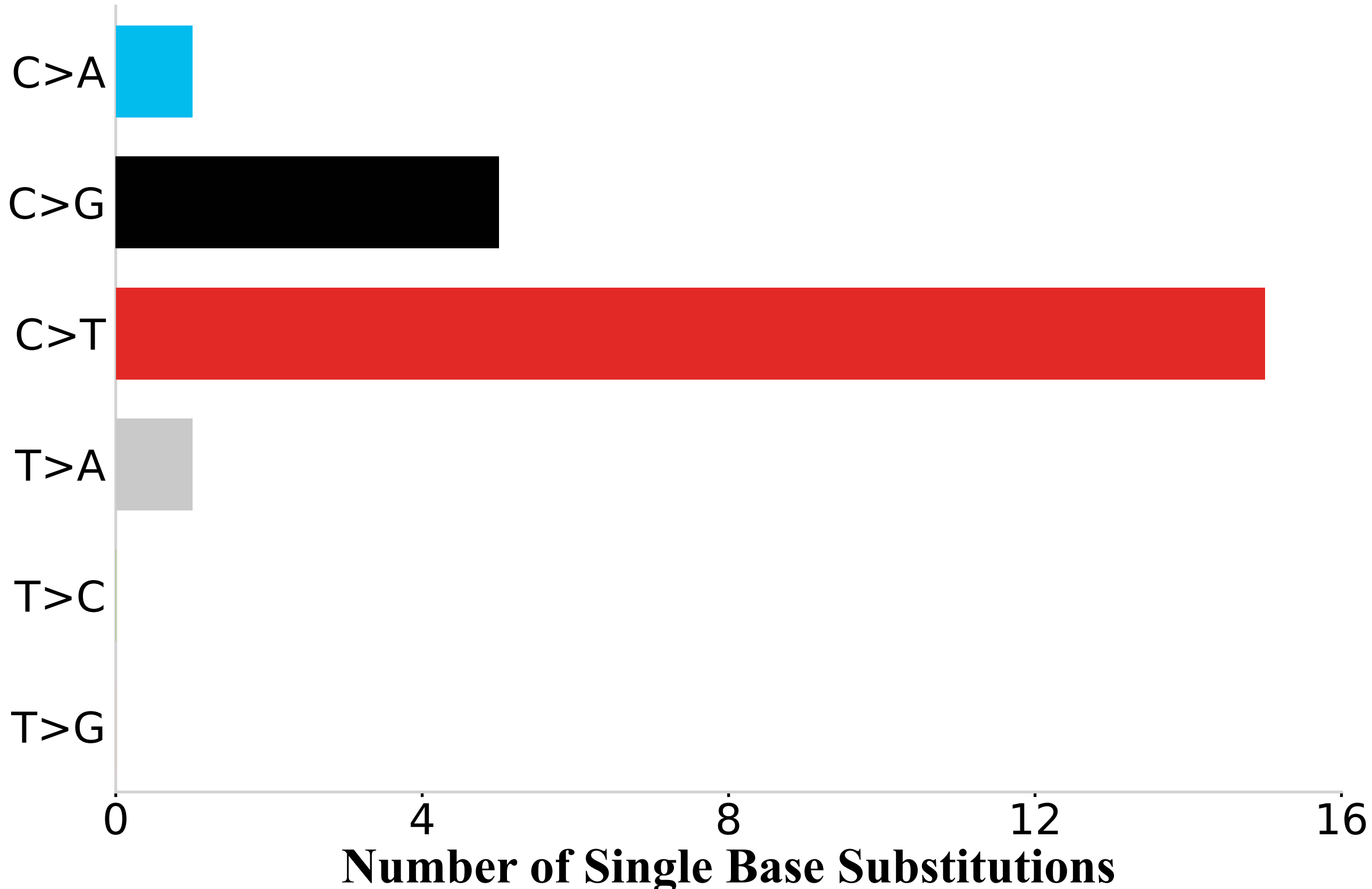


**P-0033153-T01-IM6: 3 subs**

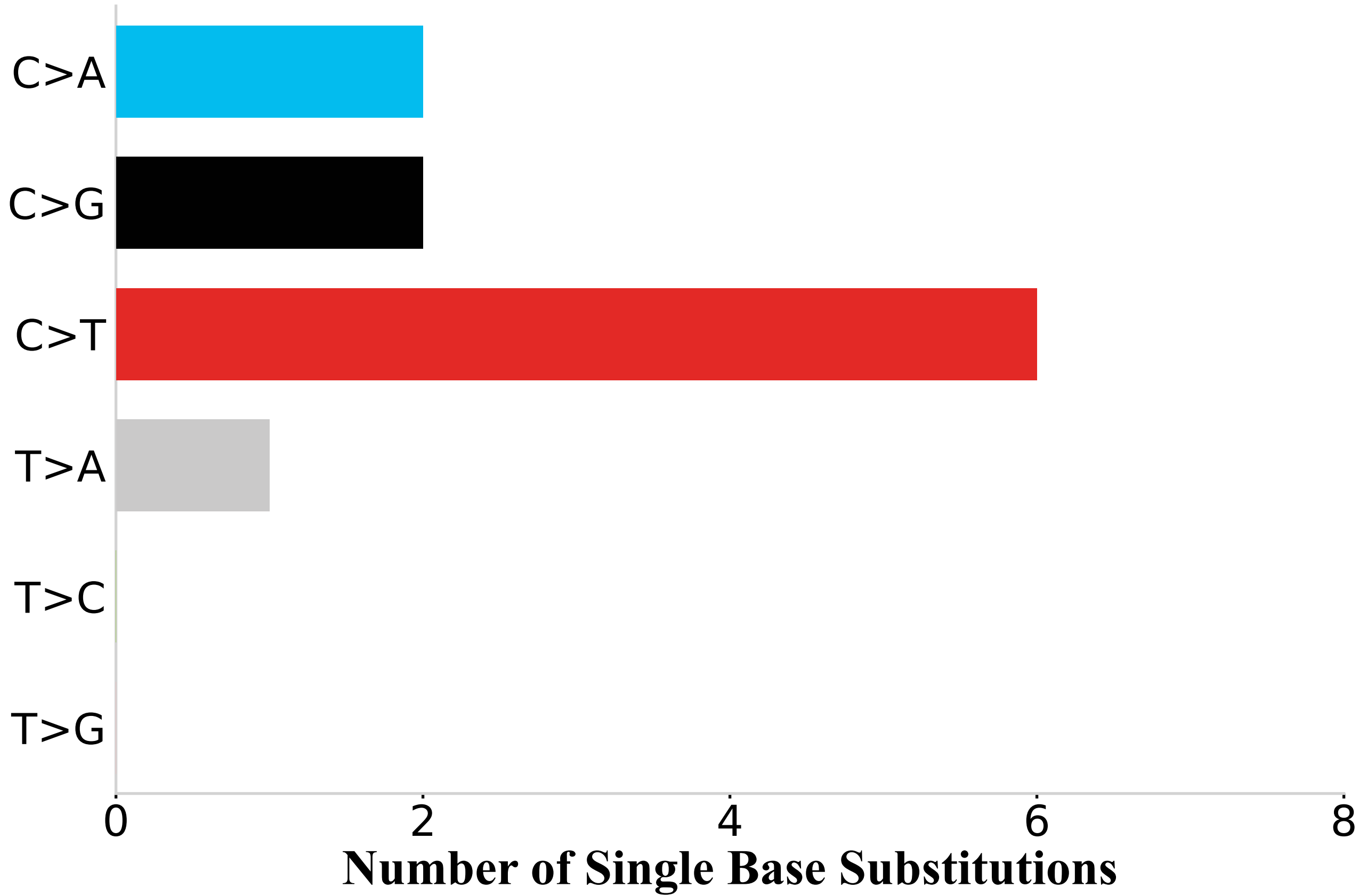




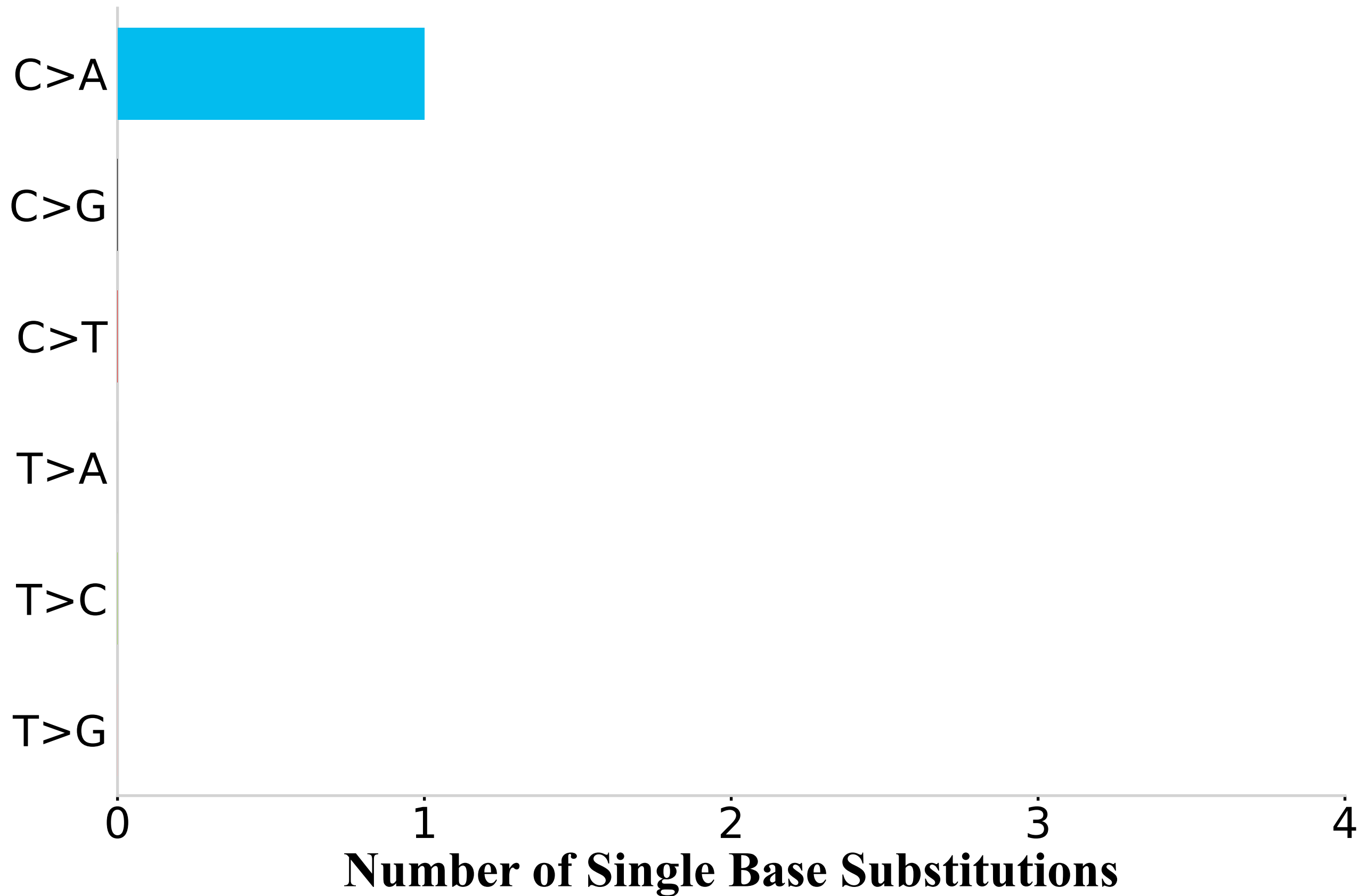
**P-0033501-T01-IM6: 22 subs**



**P-0033772-T01-IM6: 11 subs**



**P-0034498-T01-IM6: 1 subs**



**P-0035150-T01-IM6: 7 subs**

C>A

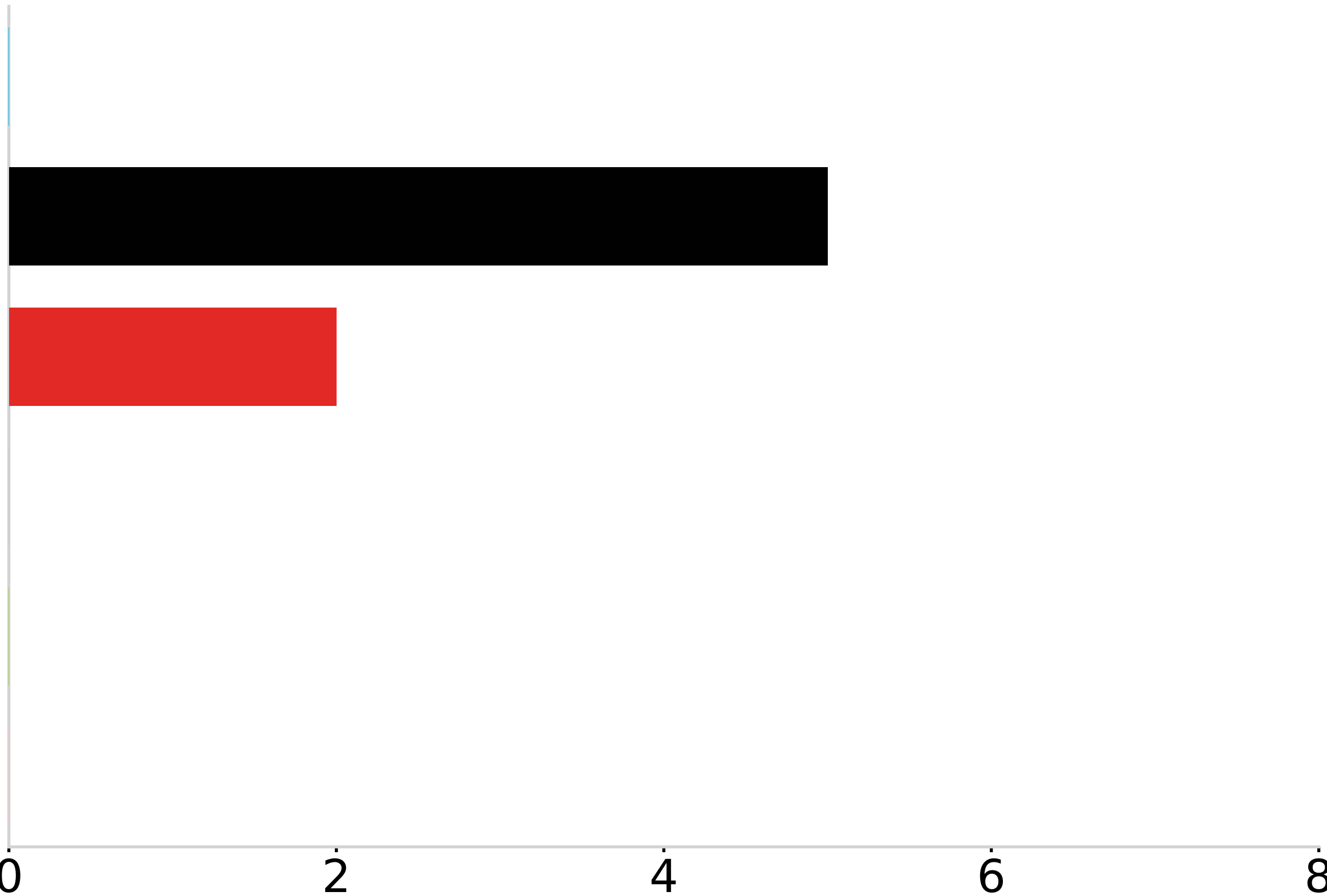
C>G

C>T

T>A

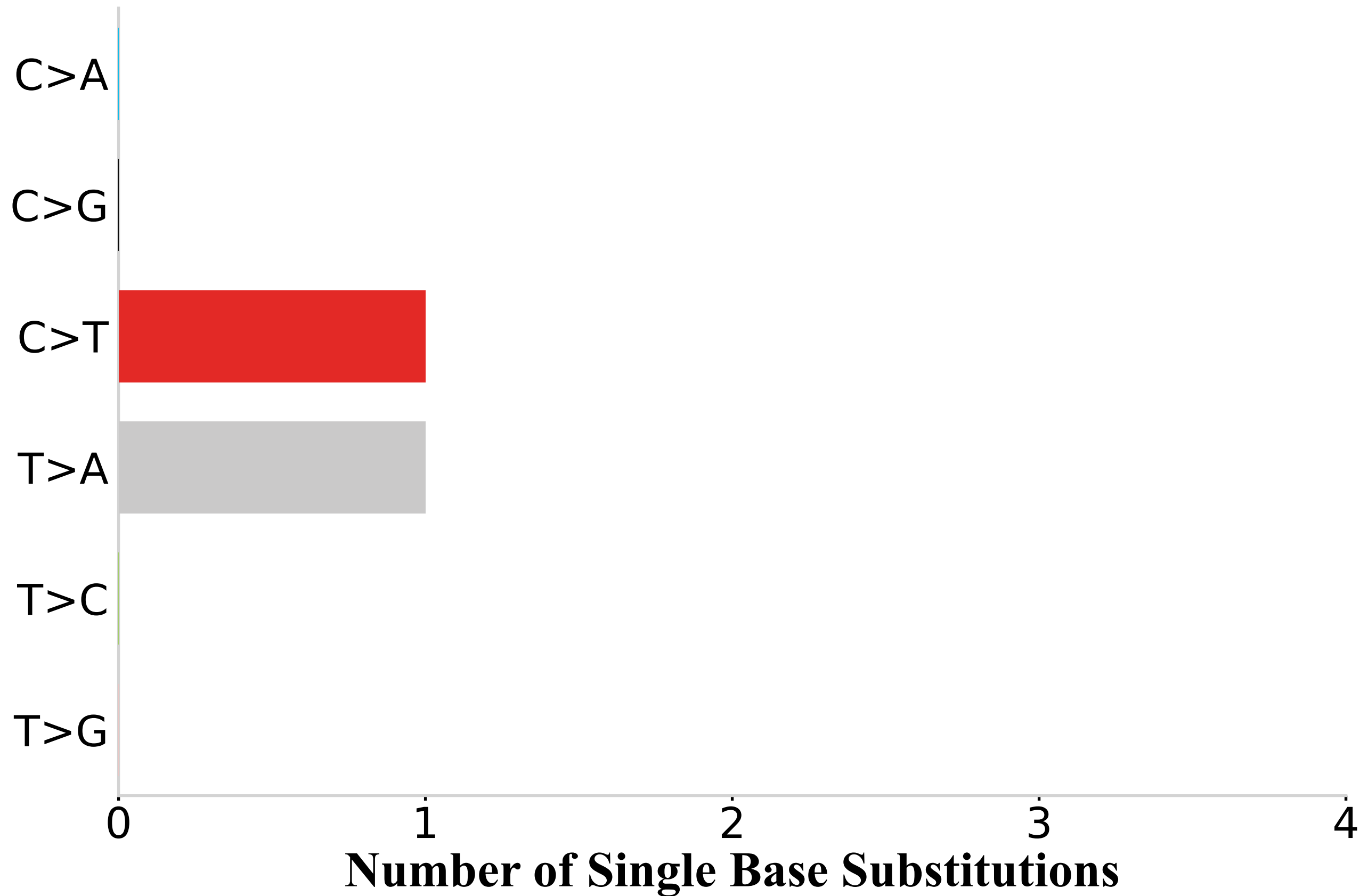
T>C

T>G

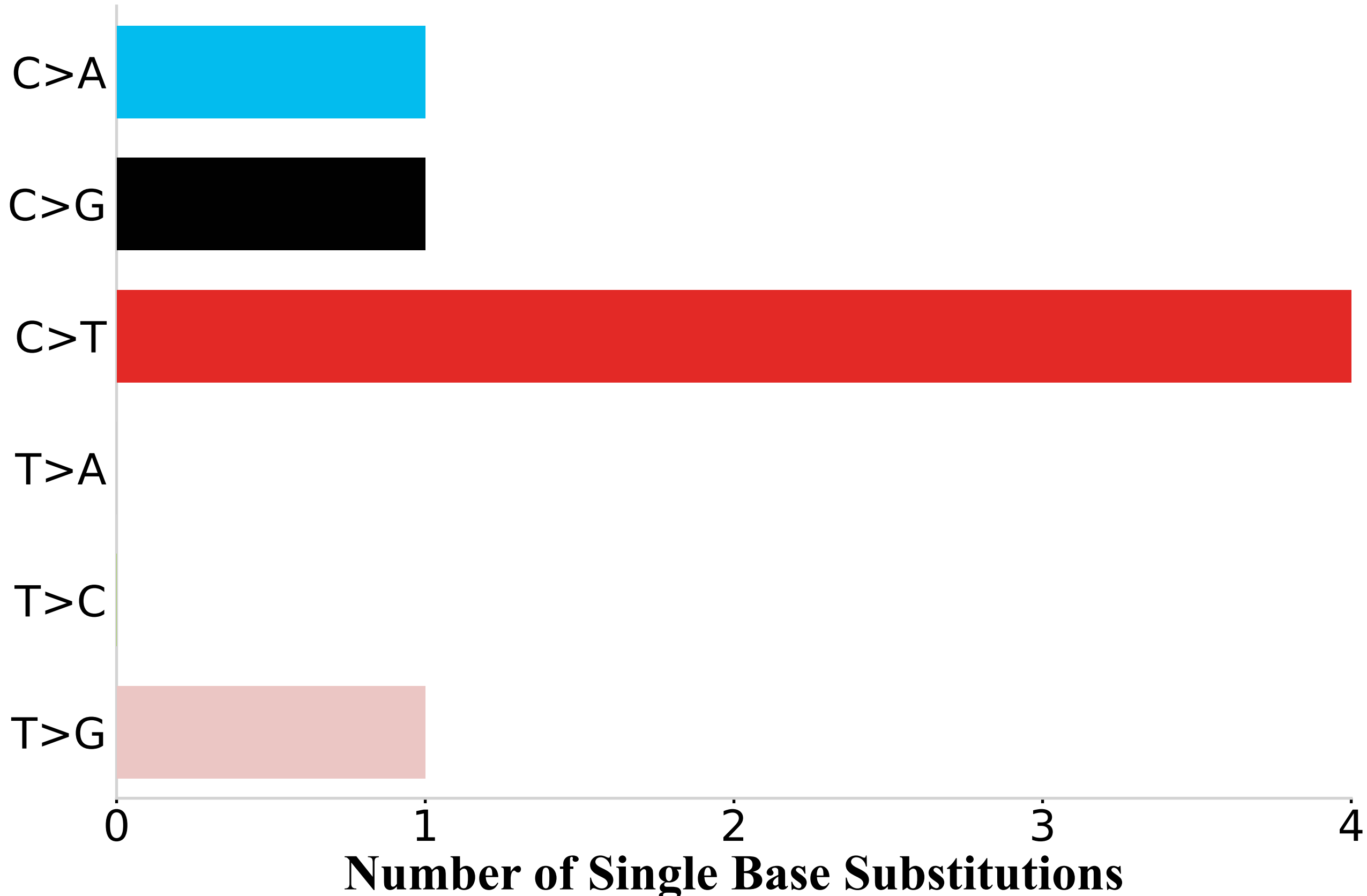


**Number of Single Base Substitutions**

**P-0035436-T01-IM6: 2 subs**



**P-0035628-T01-IM6: 7 subs**



**P-0035642-T01-IM6: 0 subs**

C>A

C>G

C>T

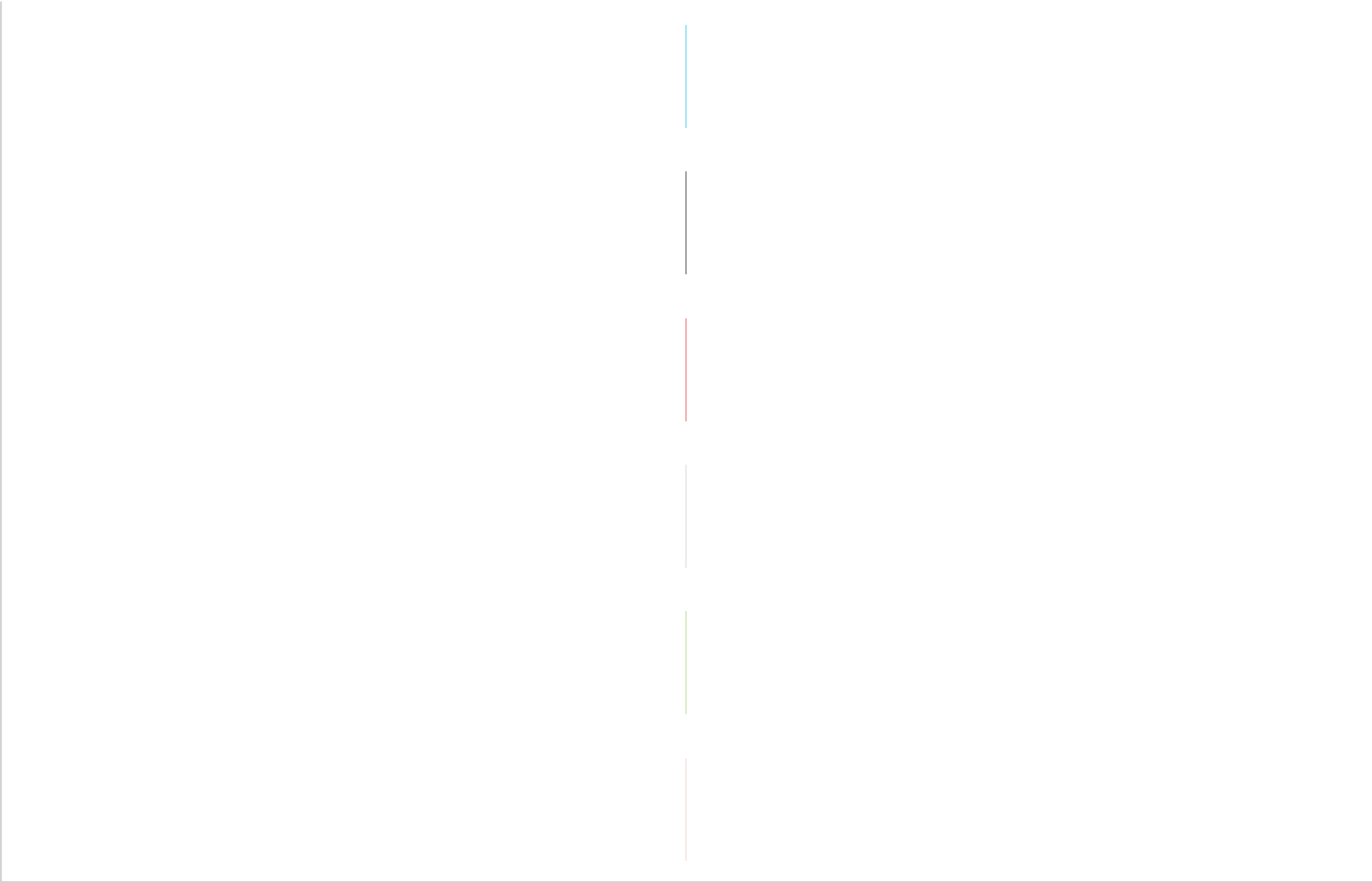
T>A

T>C

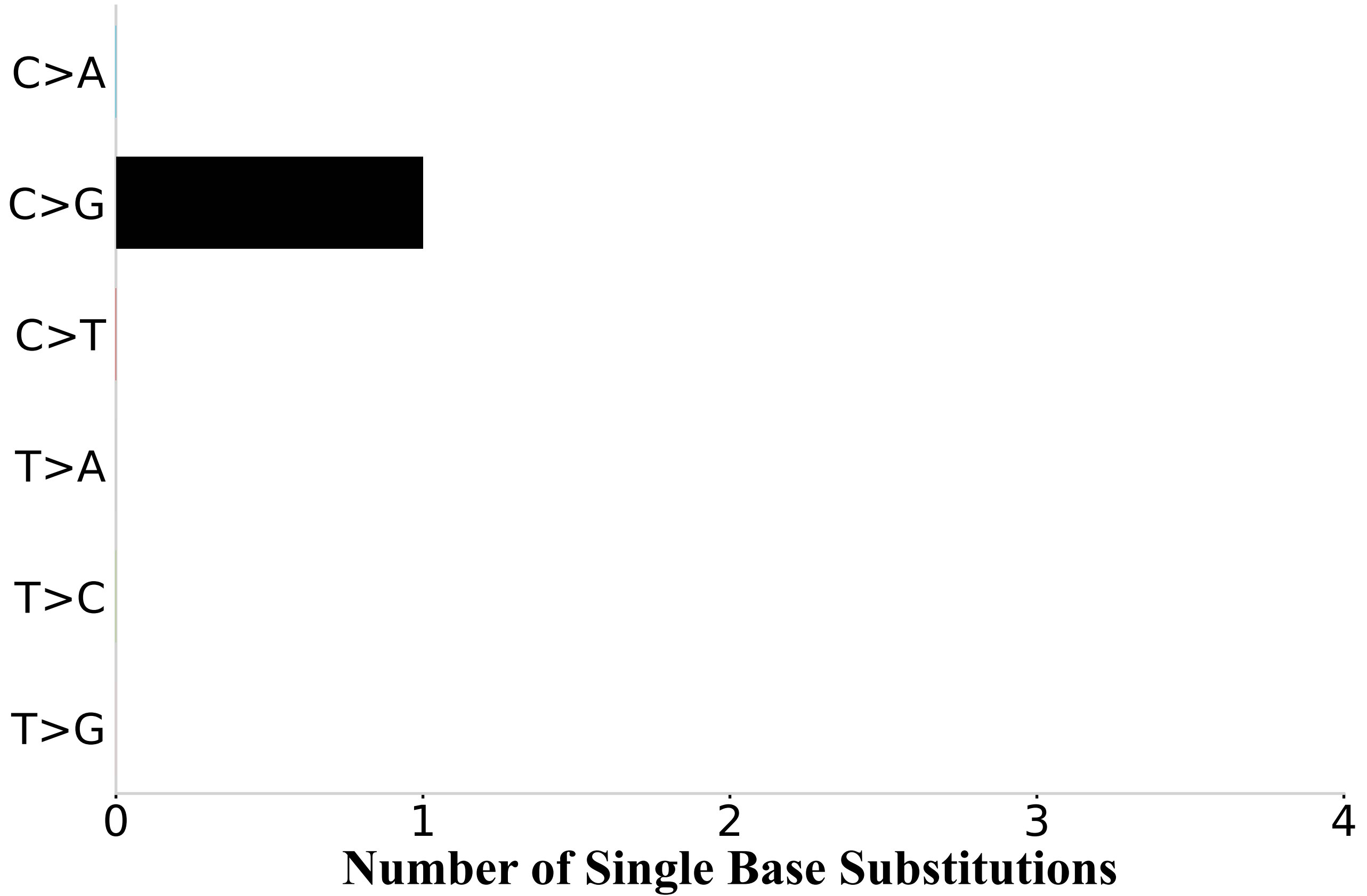
T>G

0

**Number of Single Base Substitutions**

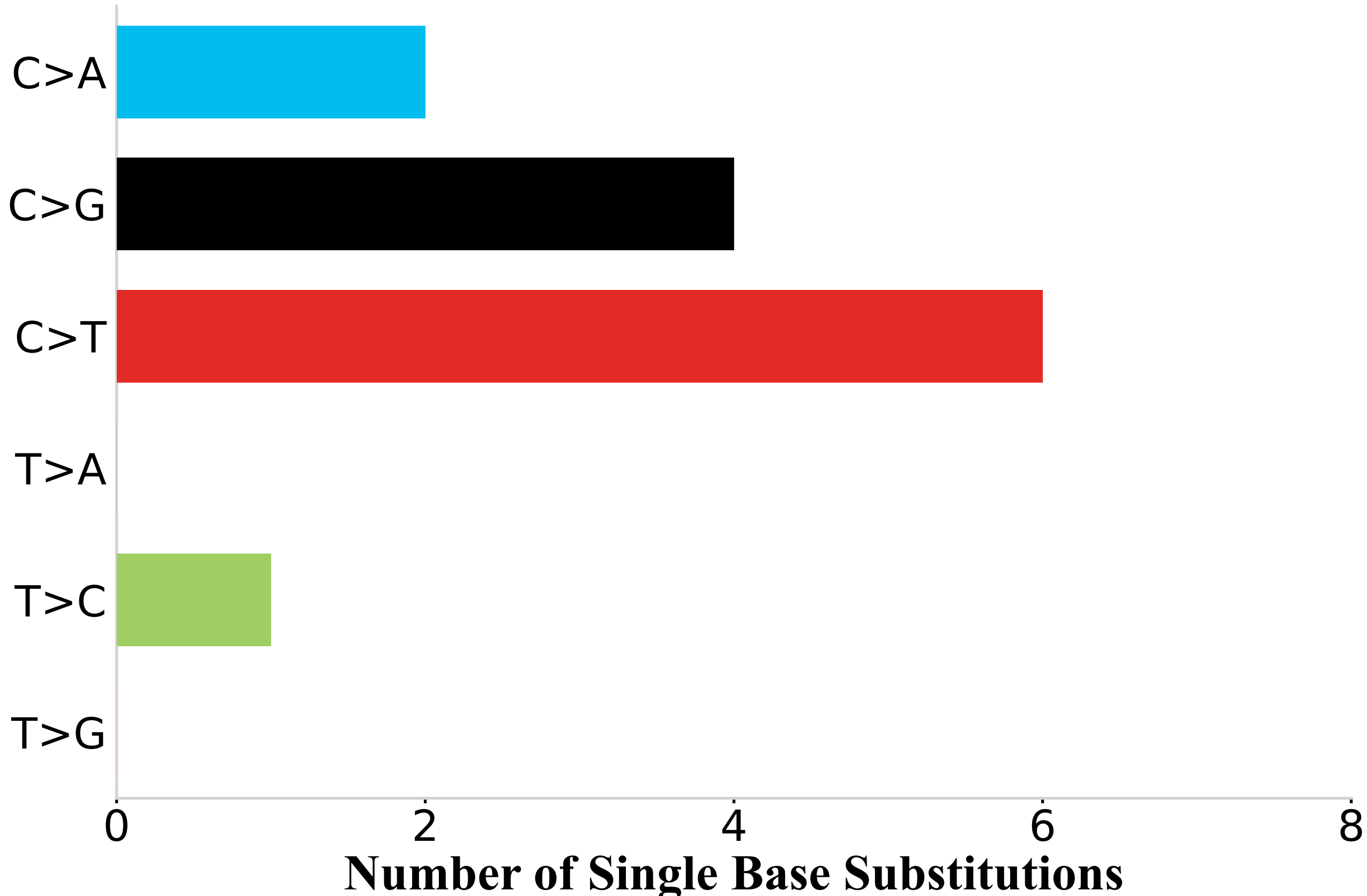


**P-0035741-T01-IM6: 1 subs**

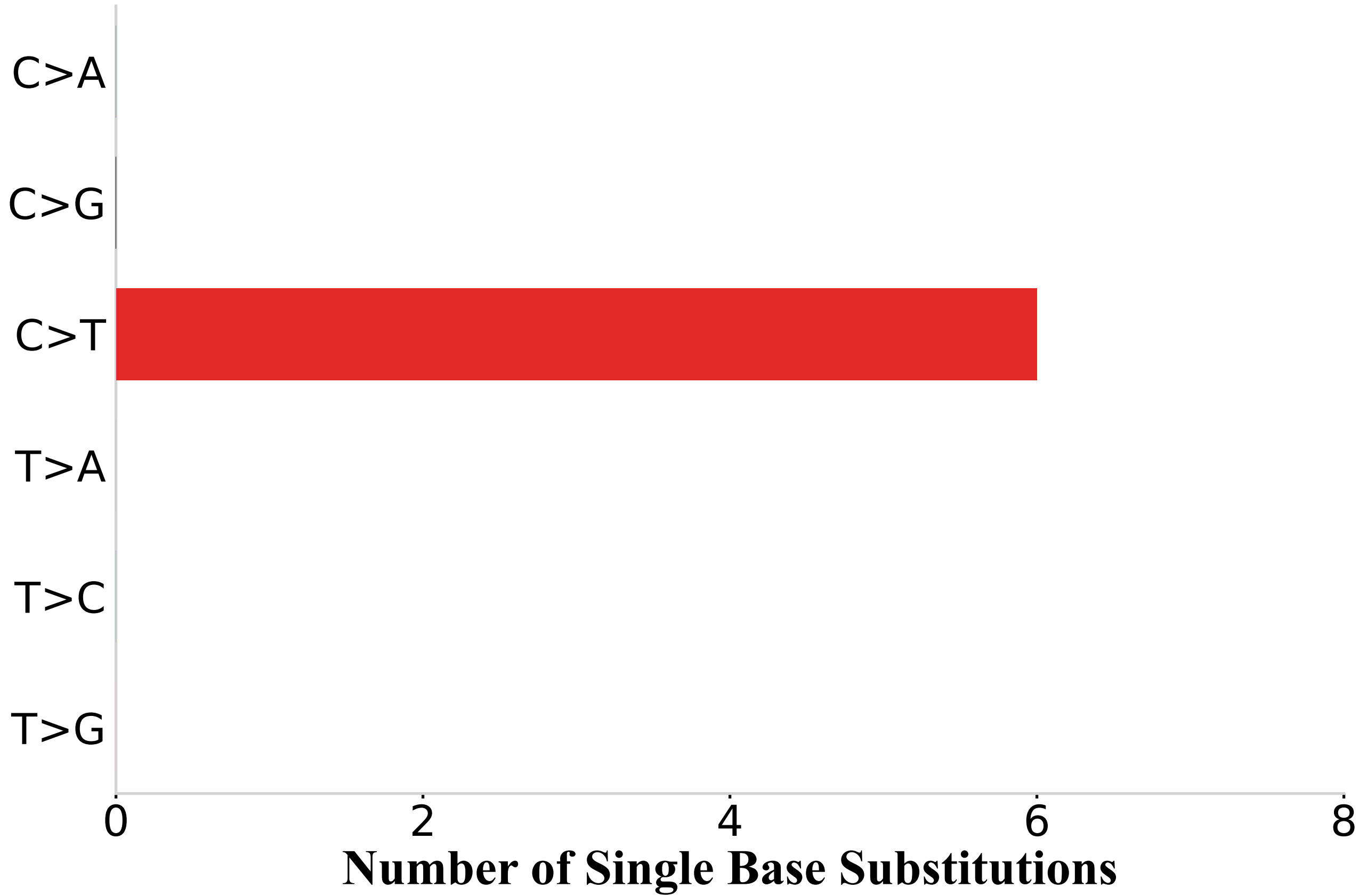




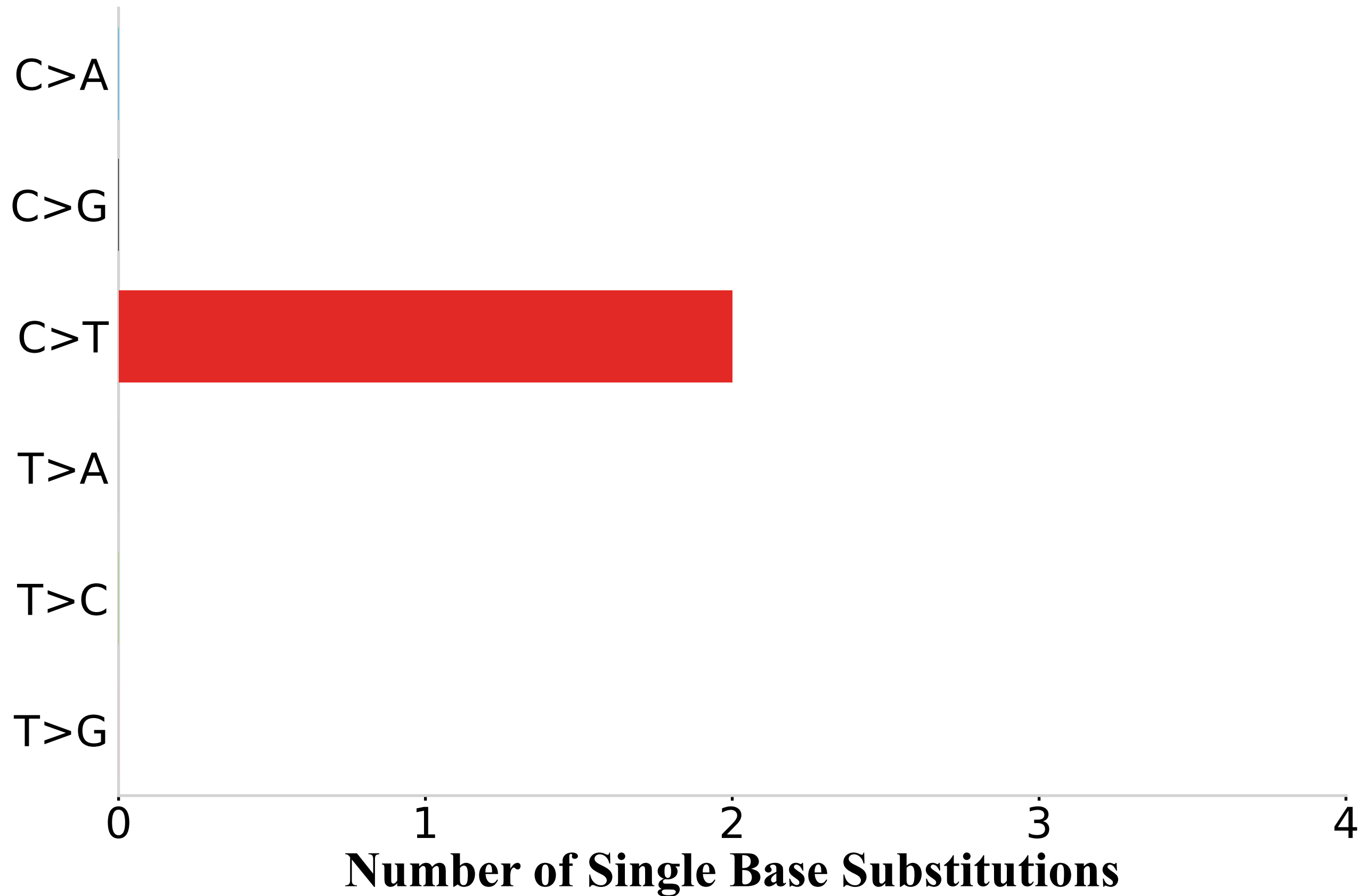
**P-0036020-T01-IM6: 13 subs**



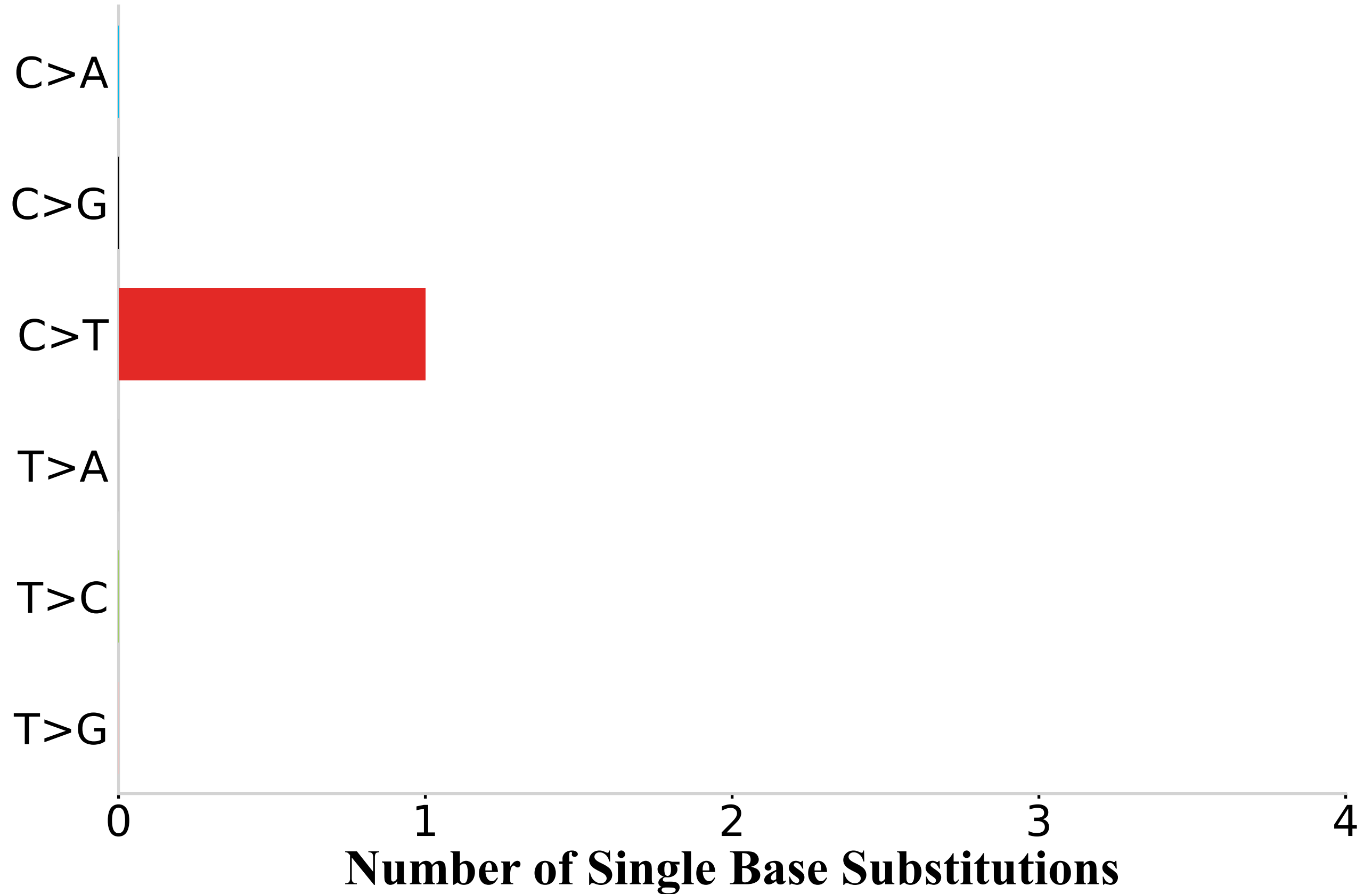
**P-0036119-T01-IM6: 6 subs**



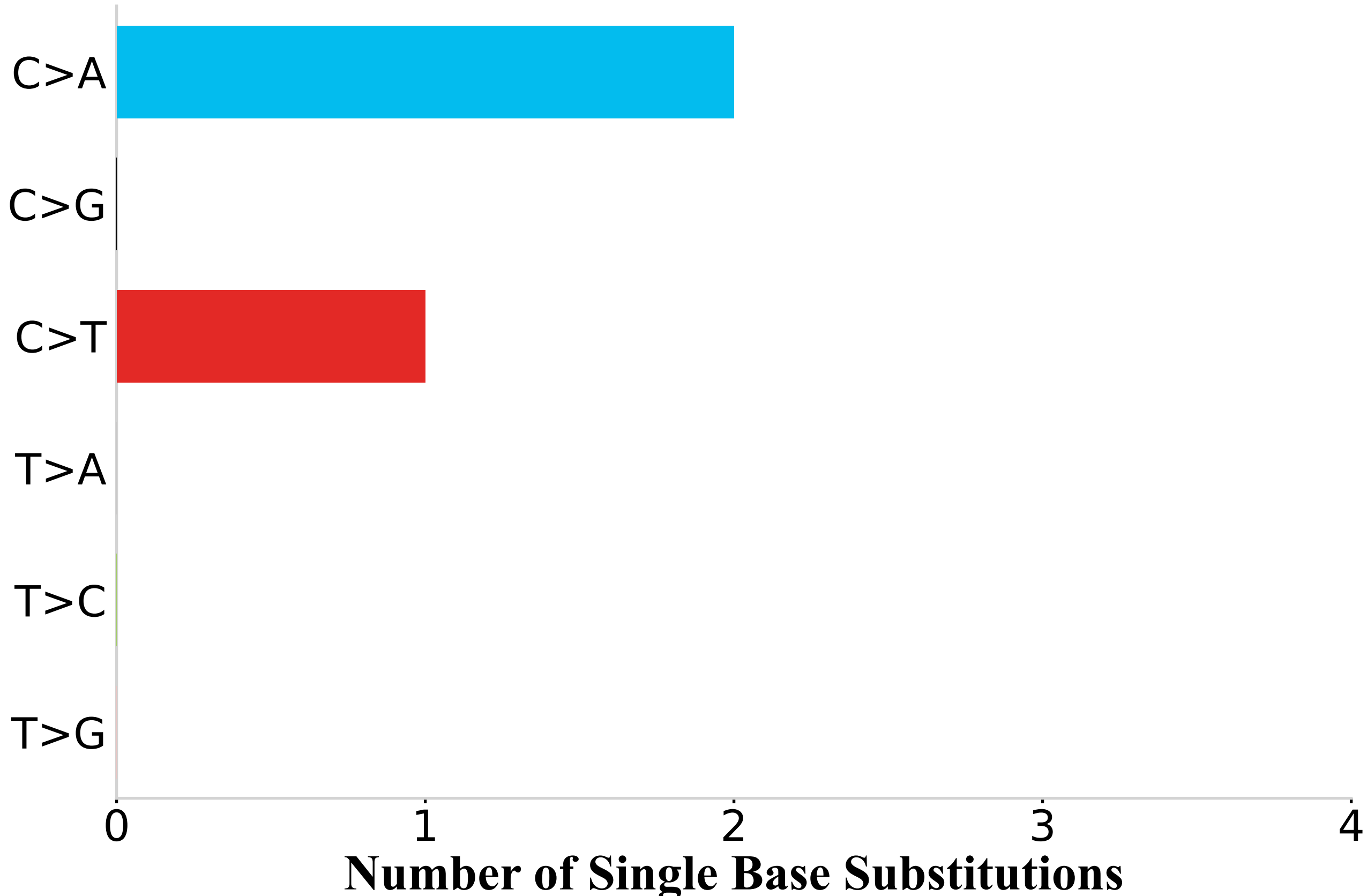
**P-0036496-T01-IM6: 2 subs**



**P-0036501-T03-IM6: 1 subs**



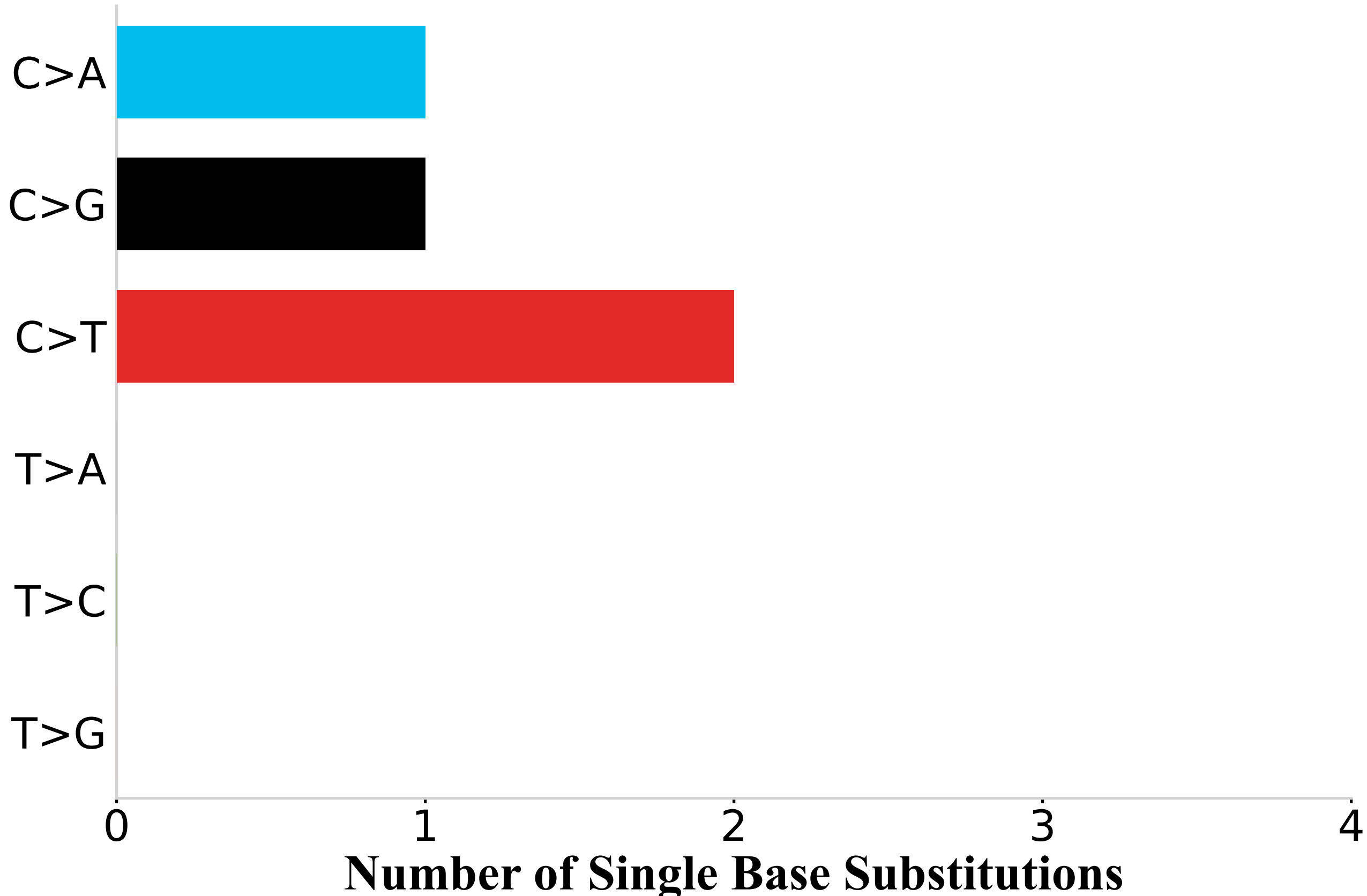
**P-0036531-T01-IM6: 3 subs**



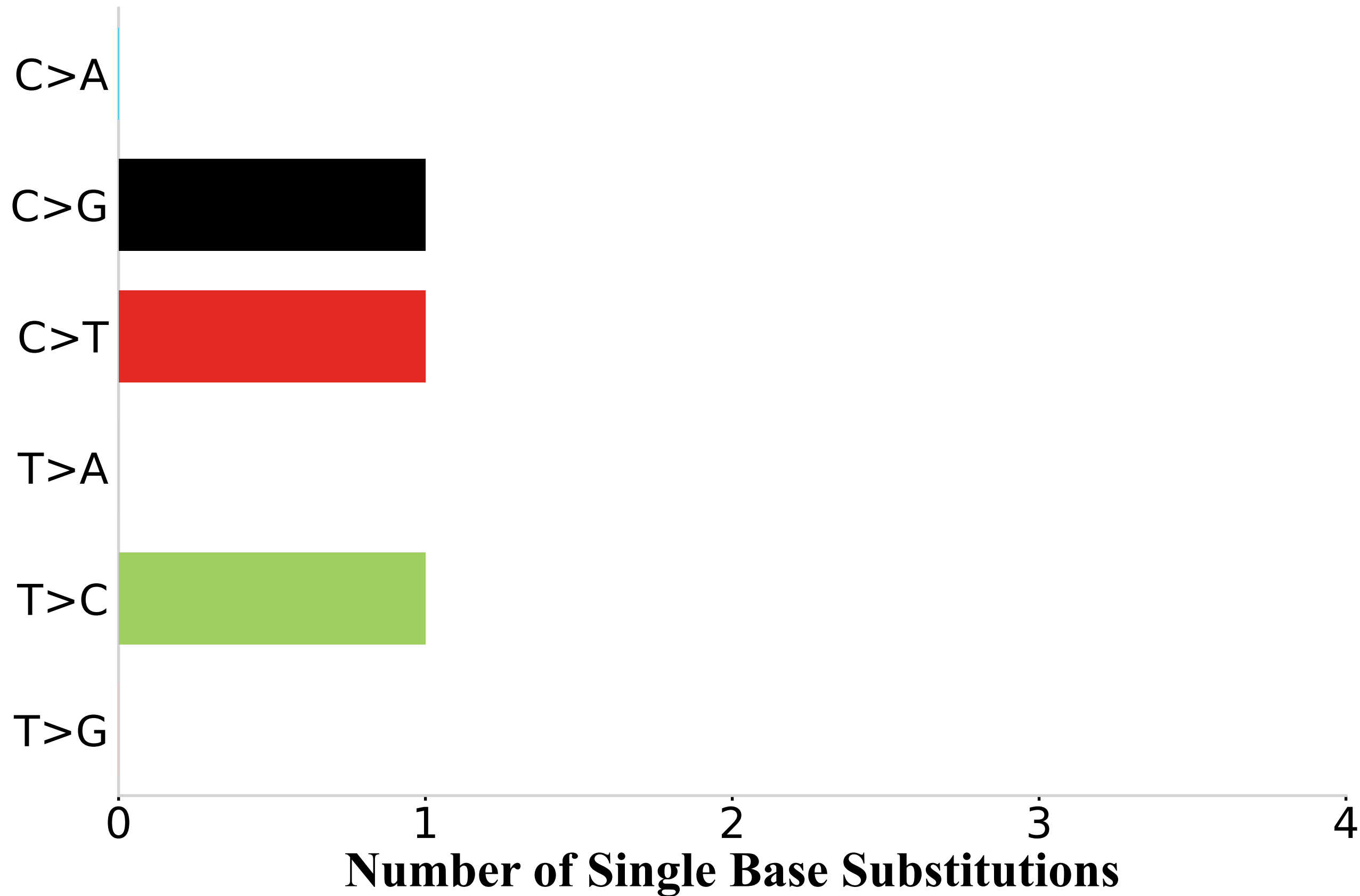
**P-0036565-T01-IM6: 1 subs**



**P-0036625-T01-IM6: 4 subs**

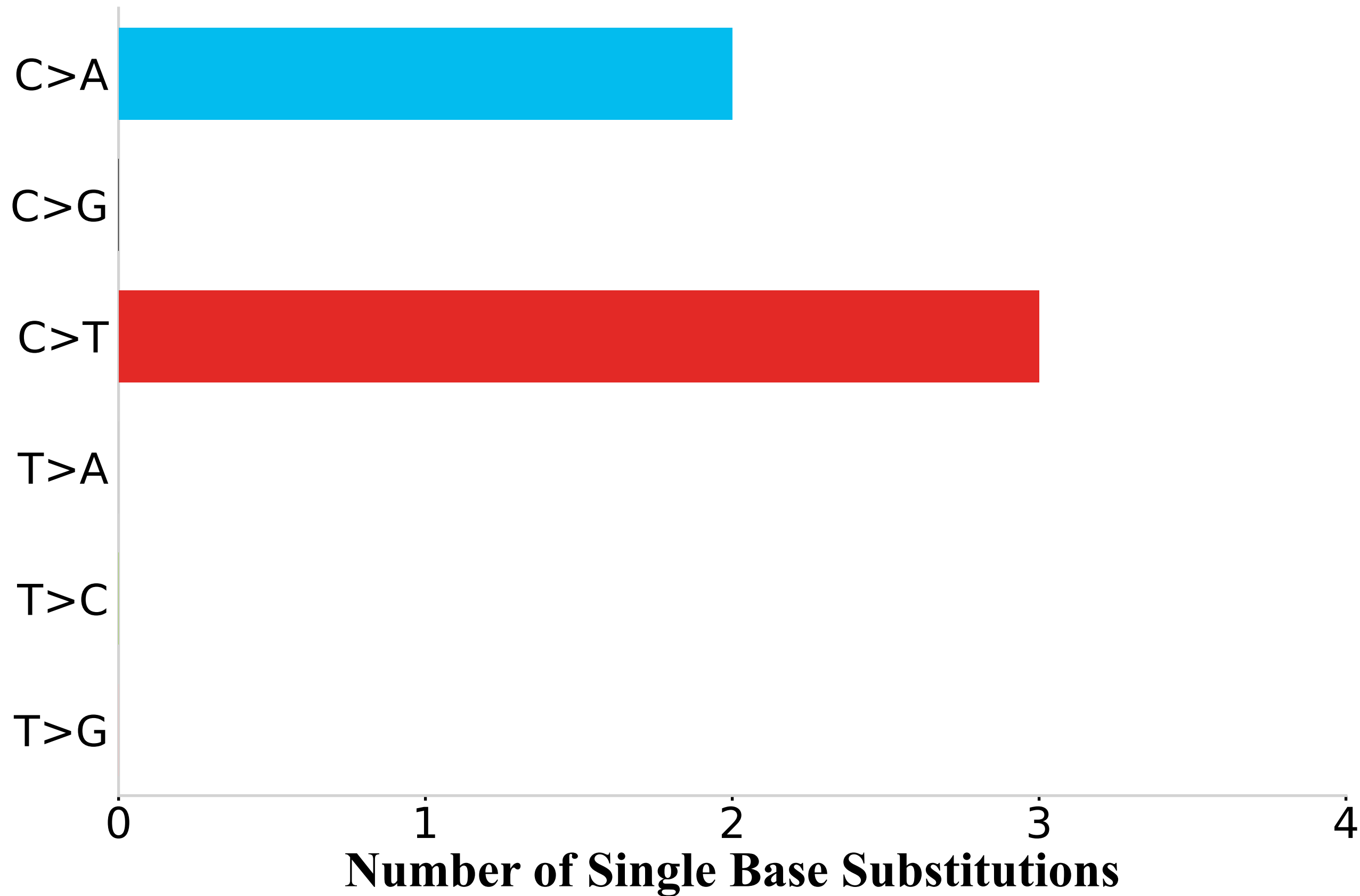


**P-0037045-T01-IM6: 3 subs**

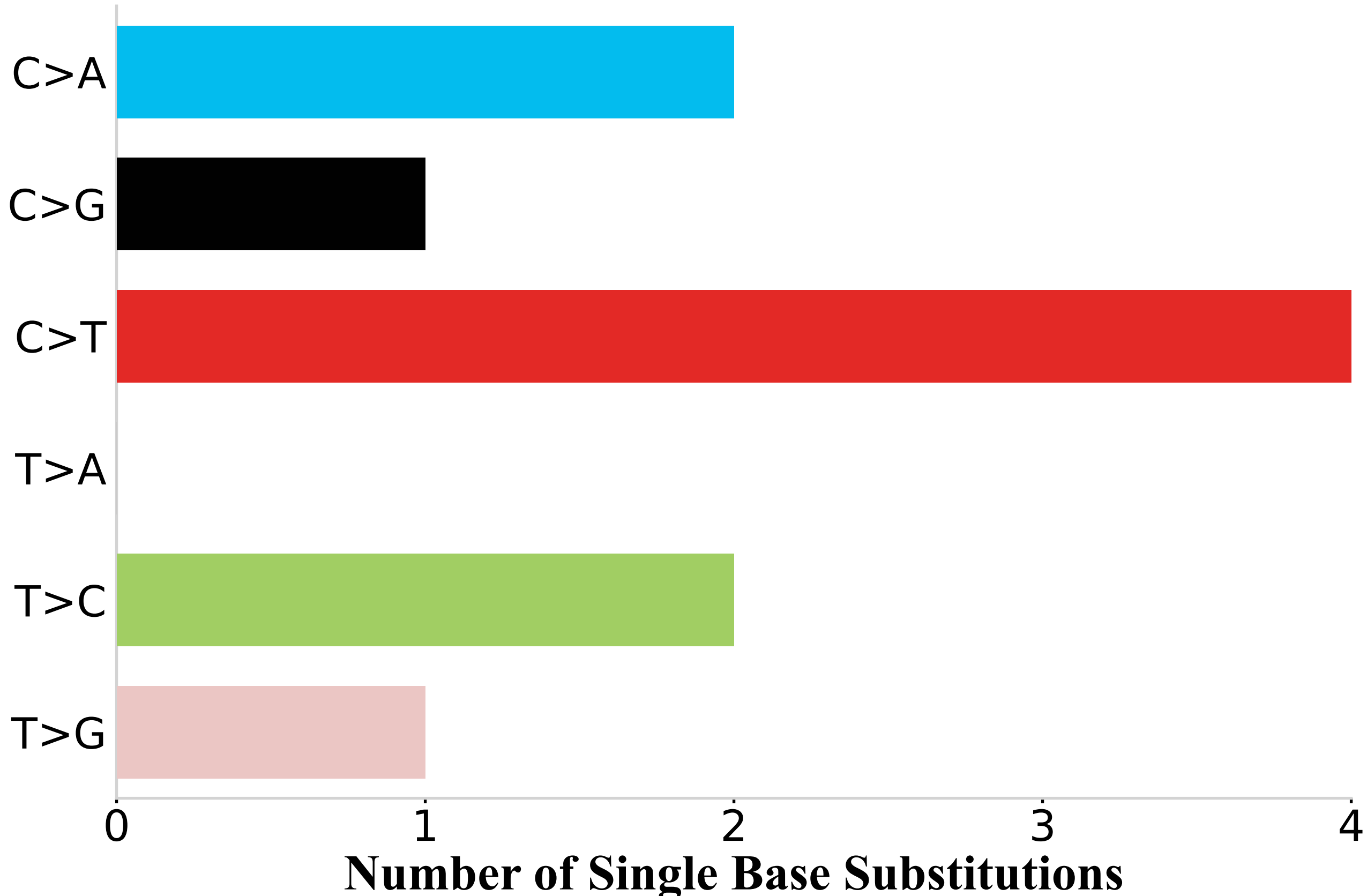




**P-0037086-T01-IM6: 5 subs**



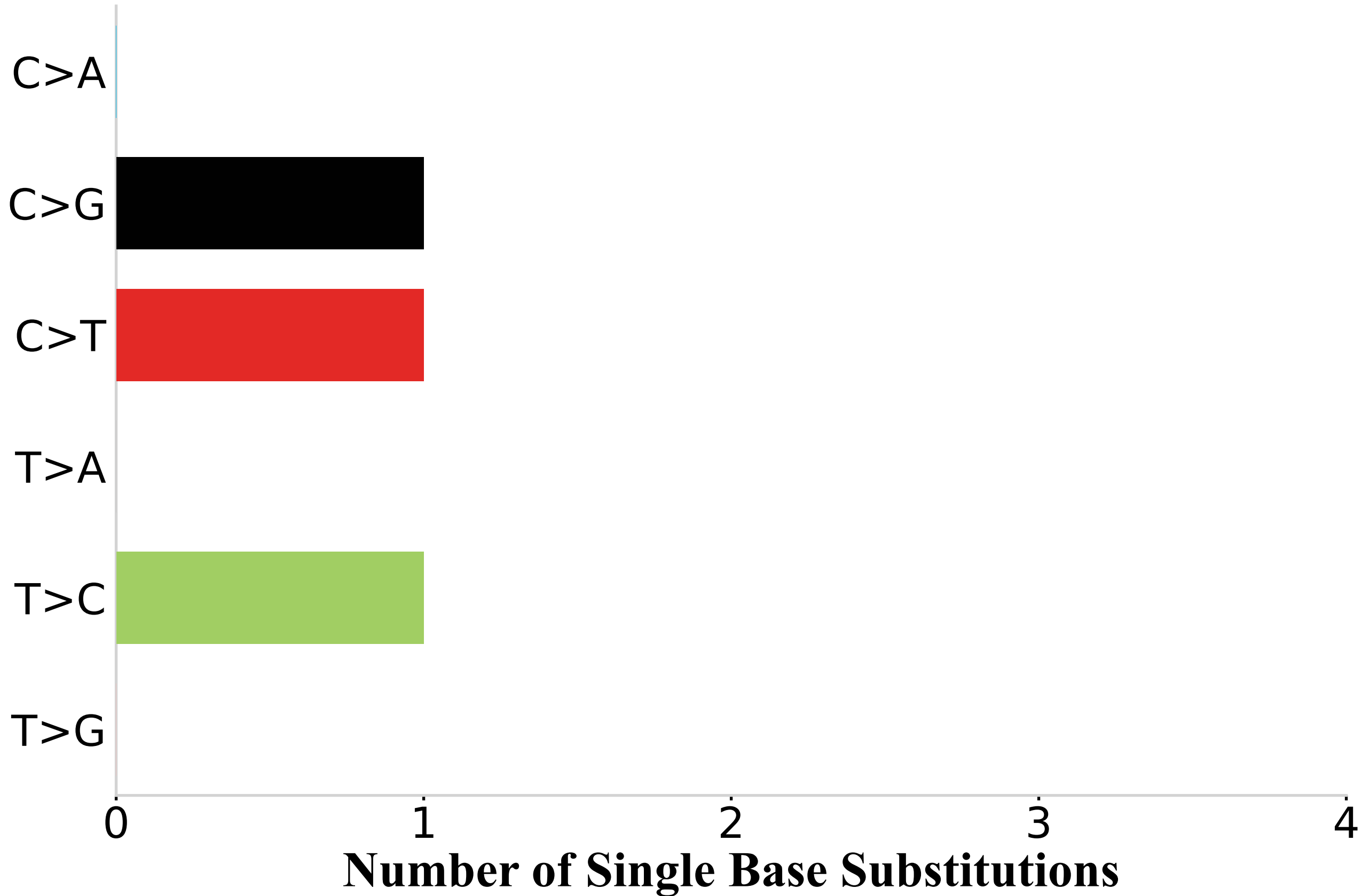
**P-0037106-T01-IM6: 10 subs**



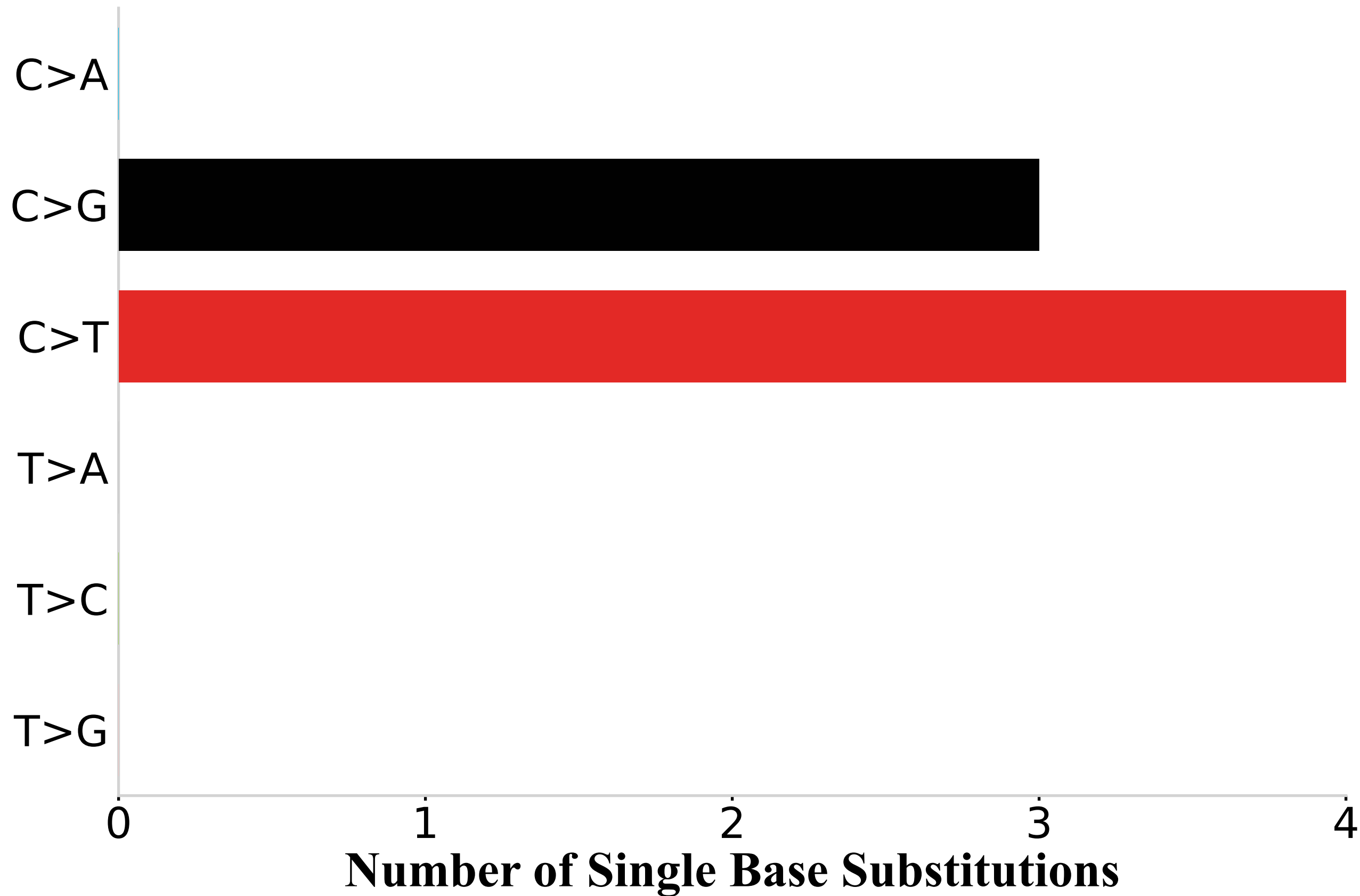
**P-0037738-T01-IM6: 4 subs**



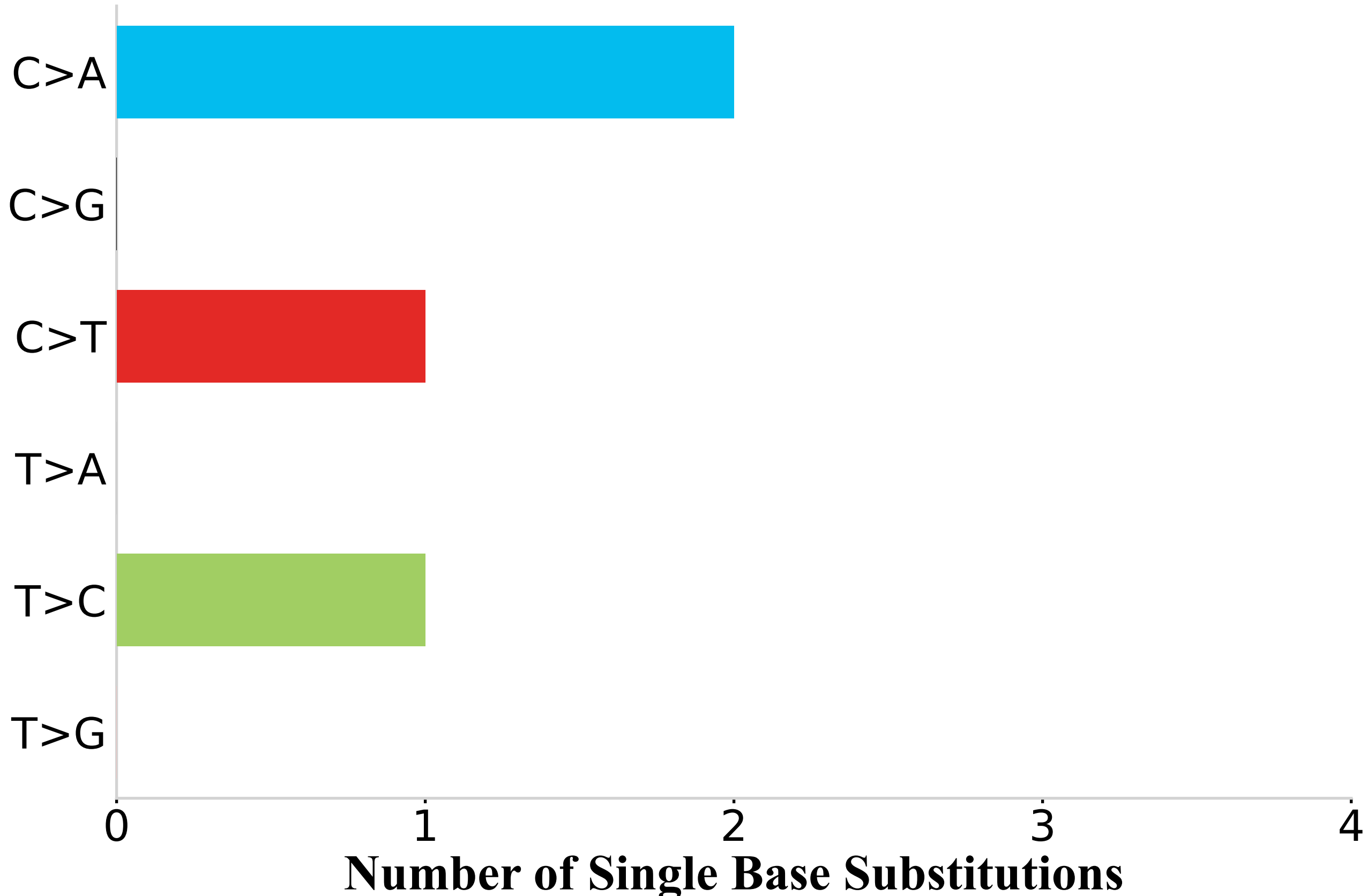
**P-0037786-T01-IM6: 3 subs**



**P-0038457-T01-IM6: 7 subs**



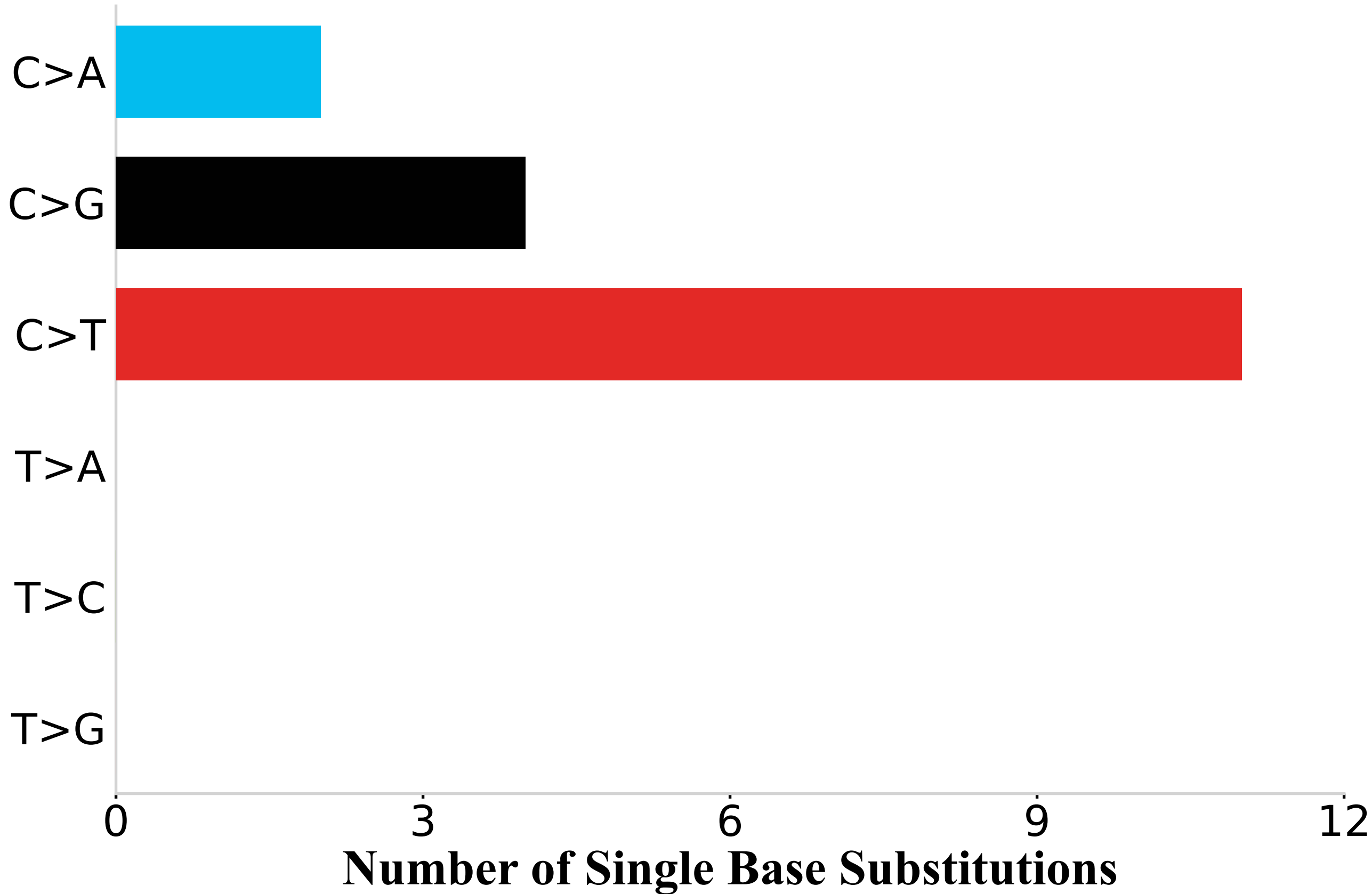
**P-0038644-T01-IM6: 4 subs**



**P-0038853-T01-IM6: 2 subs**

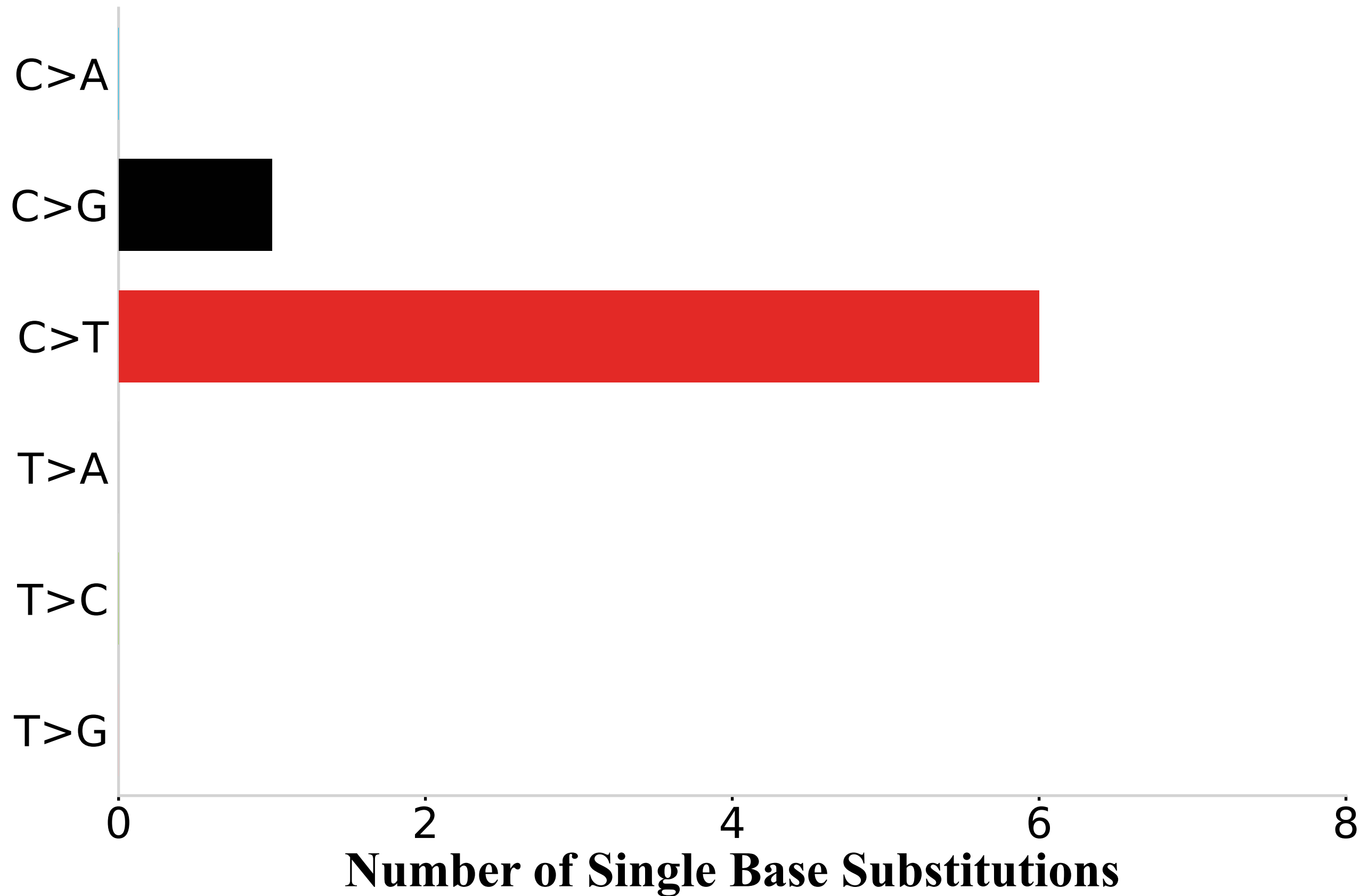


**P-0038964-T01-IM6: 17 subs**





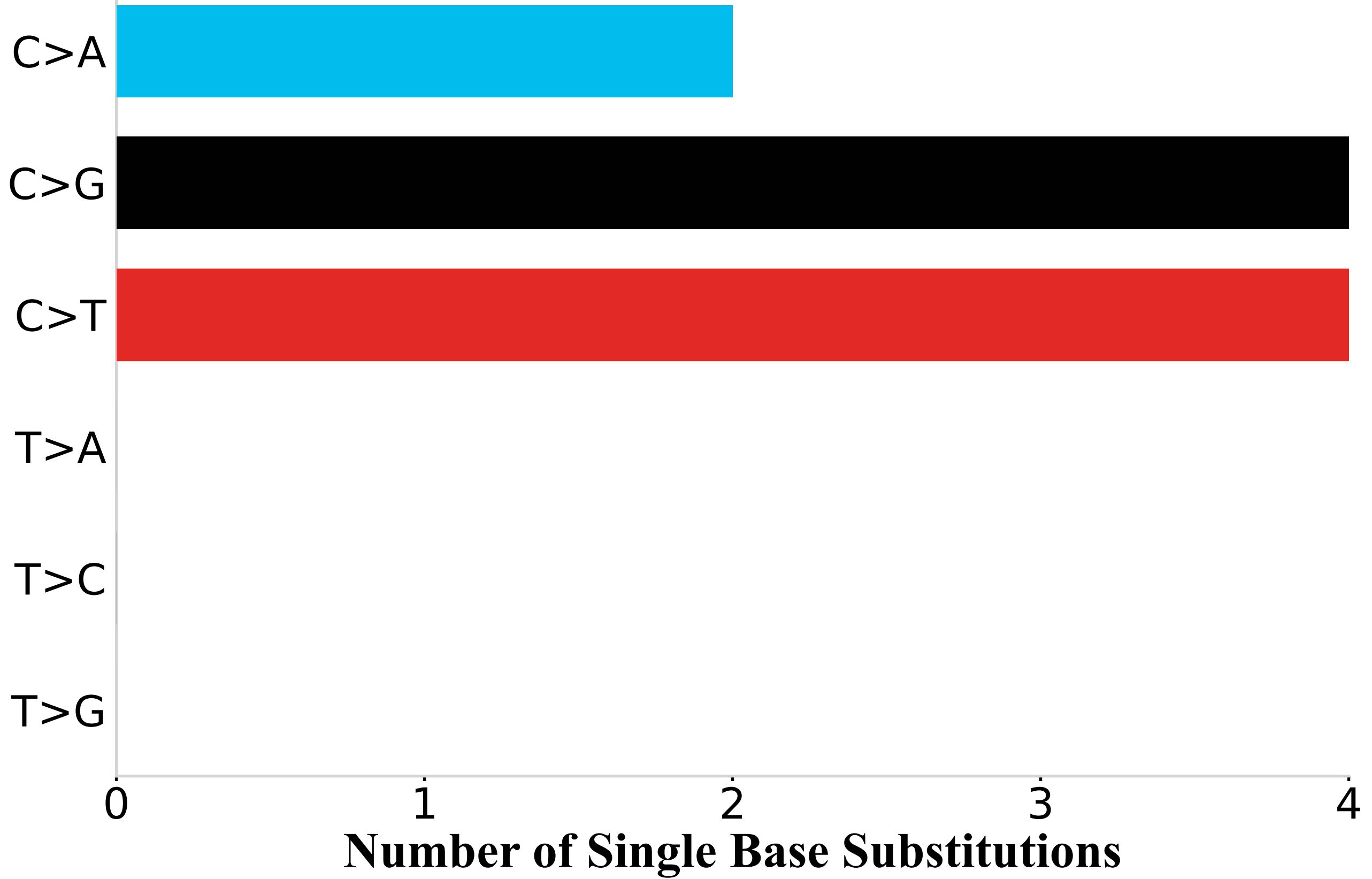
**P-0039555-T01-IM6: 7 subs**



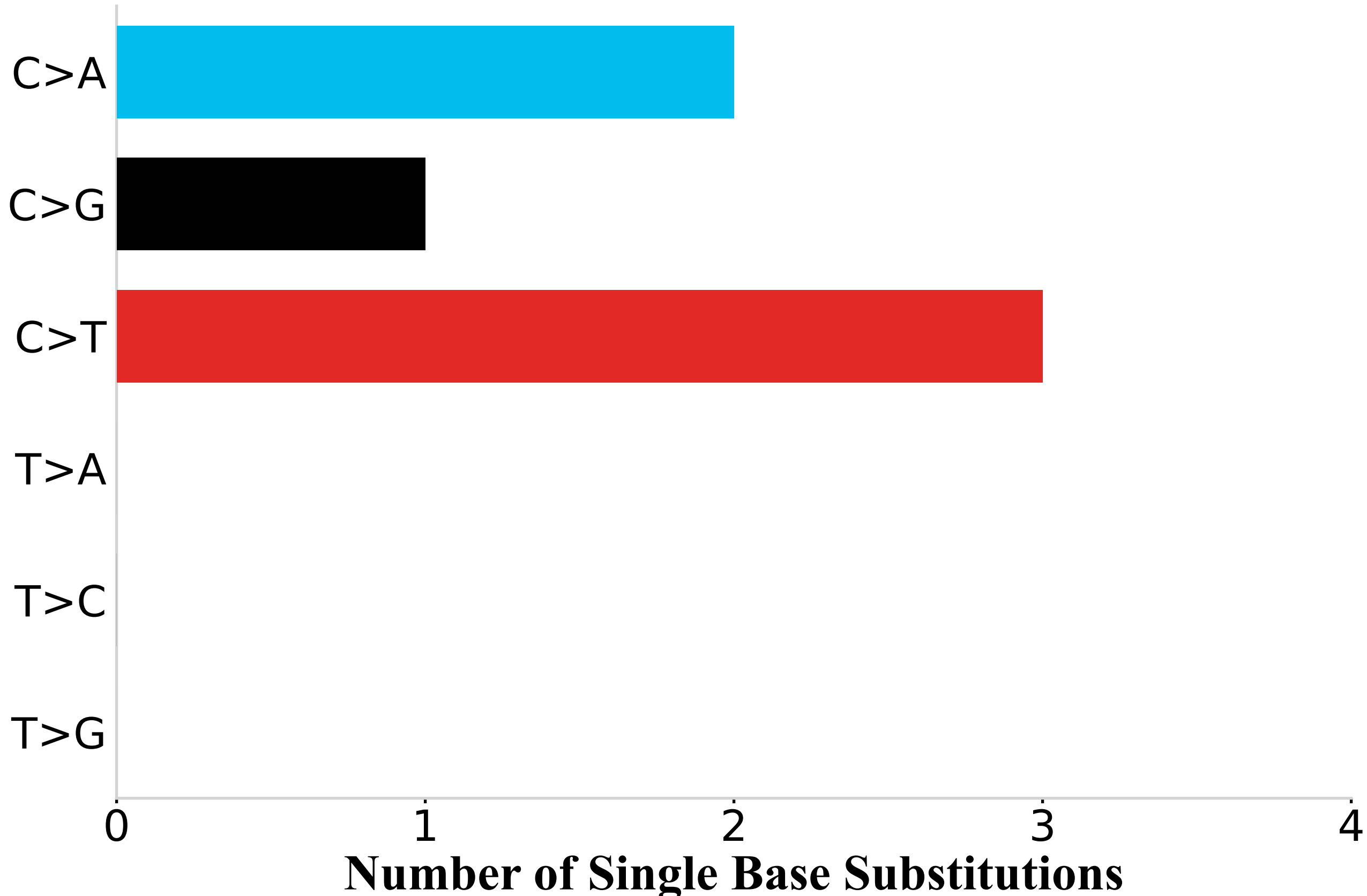
**P-0040745-T01-IM6: 1 subs**



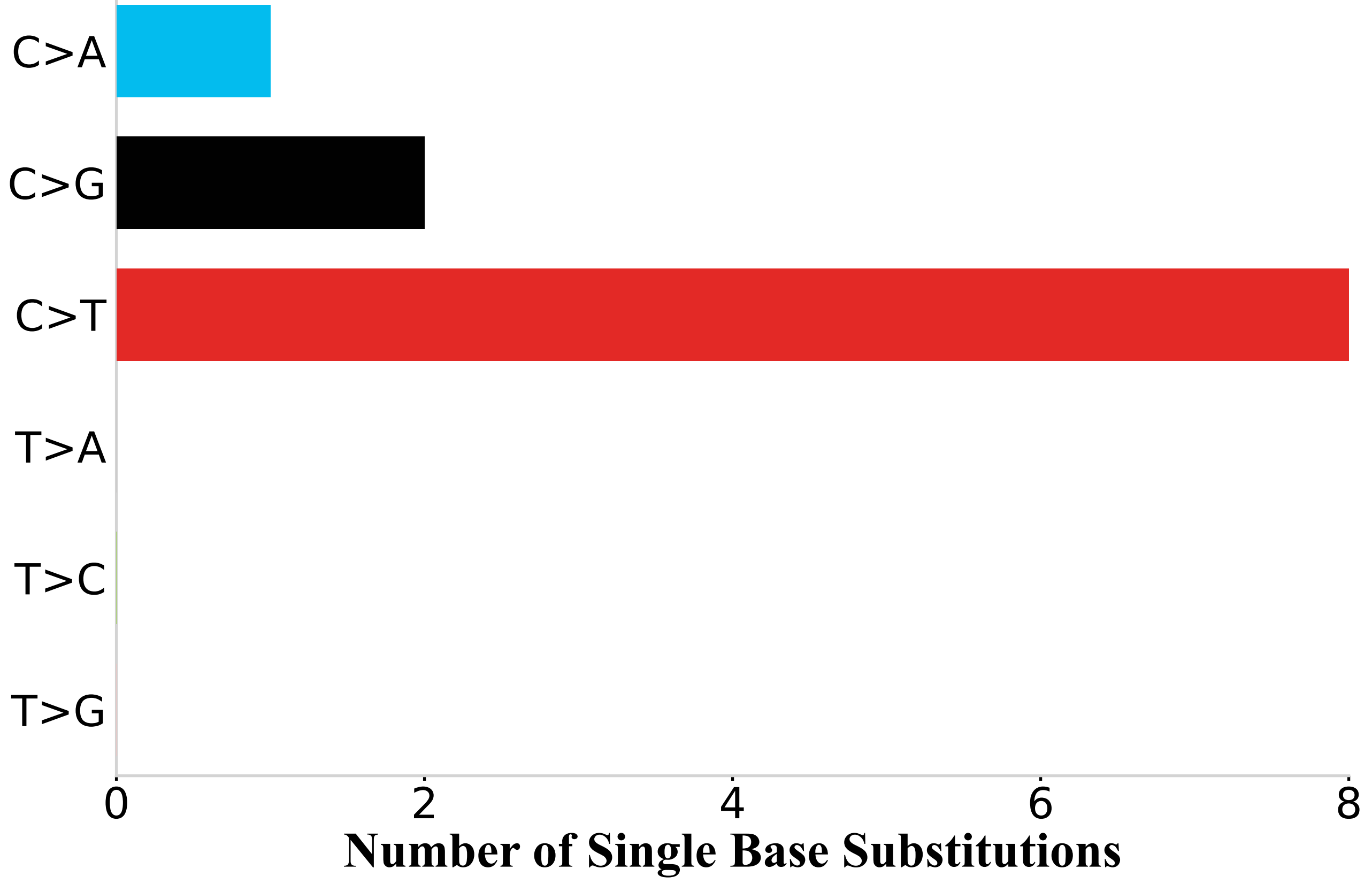
**P-0040817-T01-IM6: 10 subs**



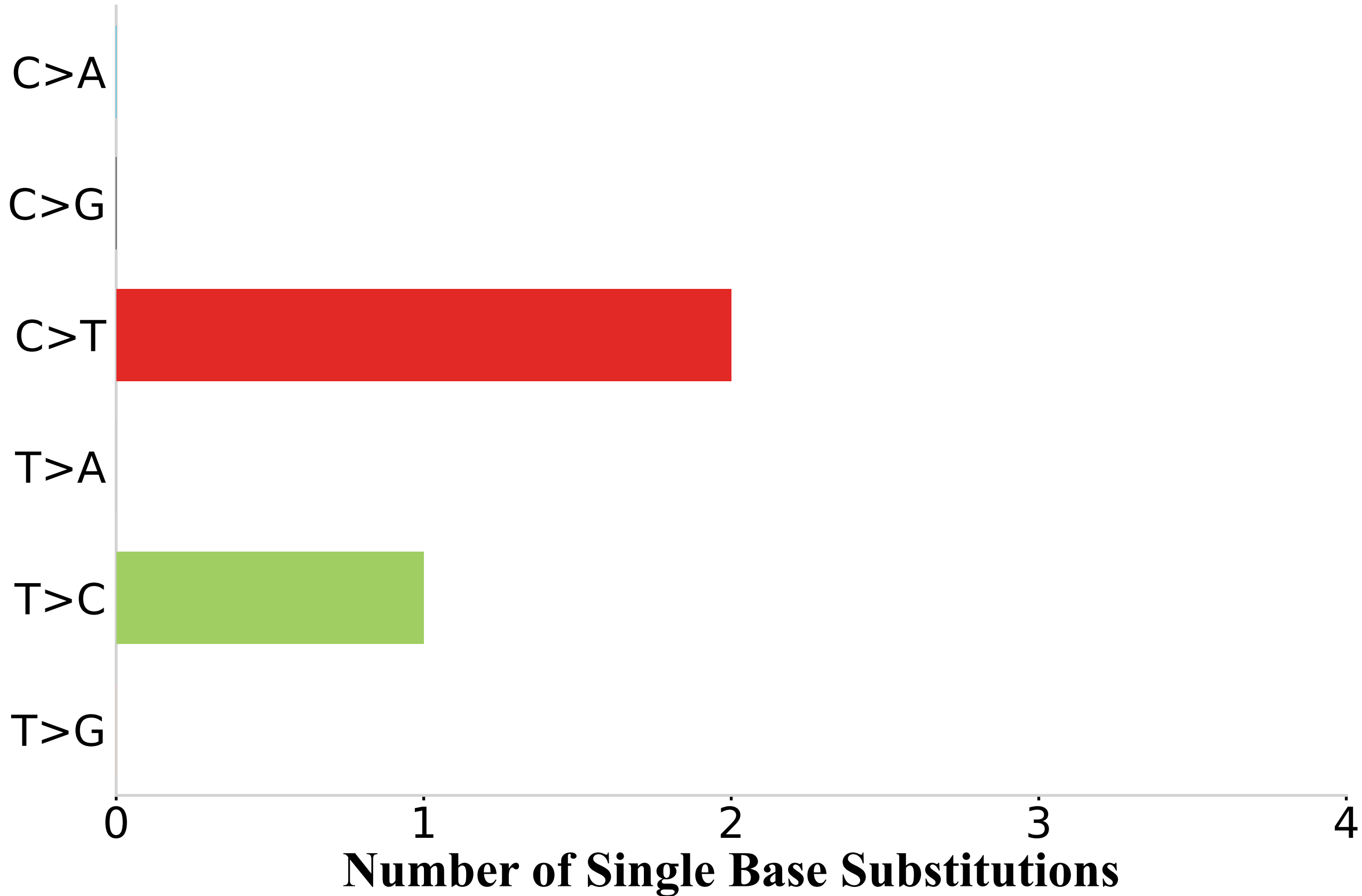
**P-0041590-T01-IM6: 6 subs**



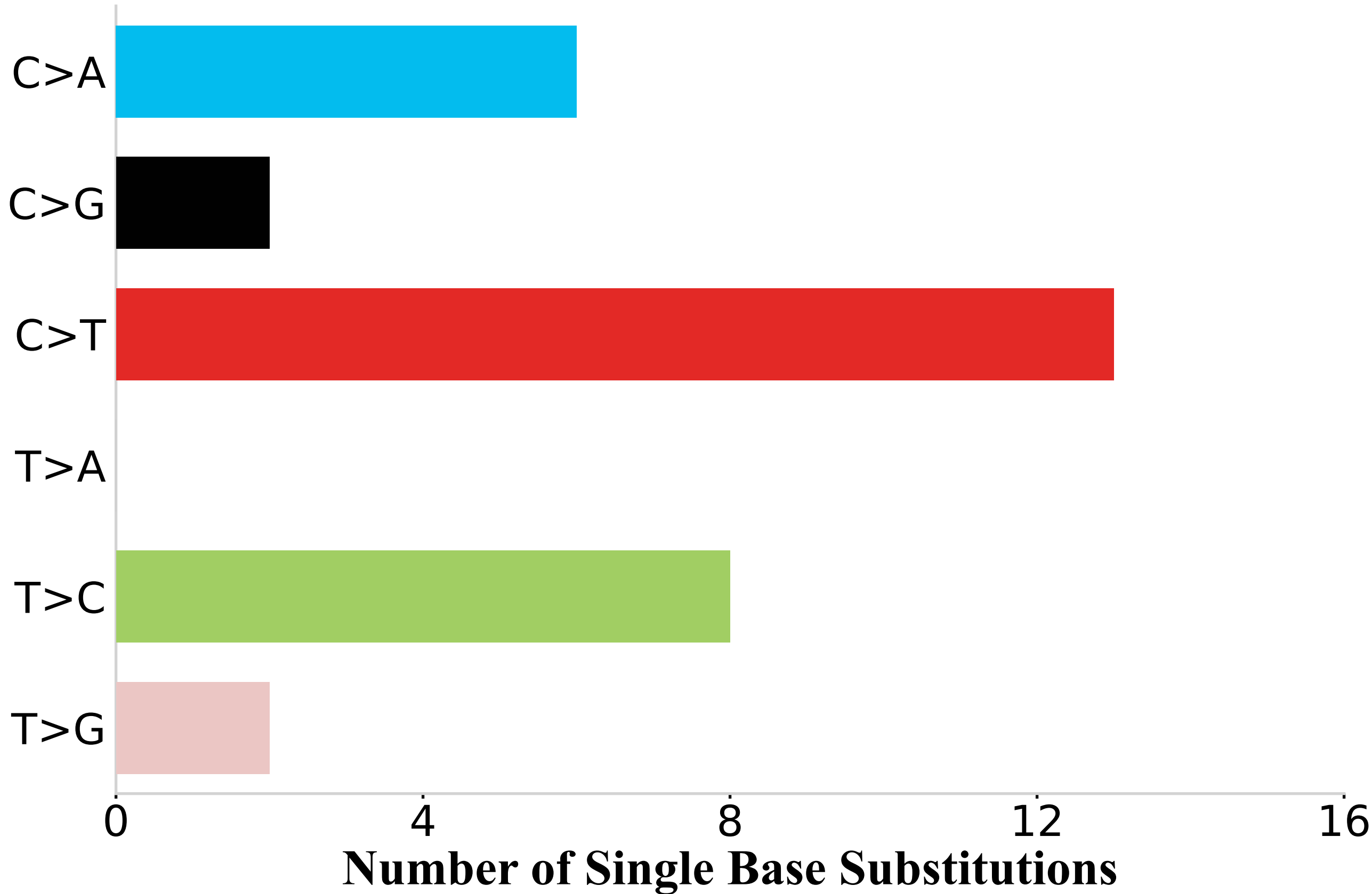
**P-0041630-T01-IM6: 11 subs**



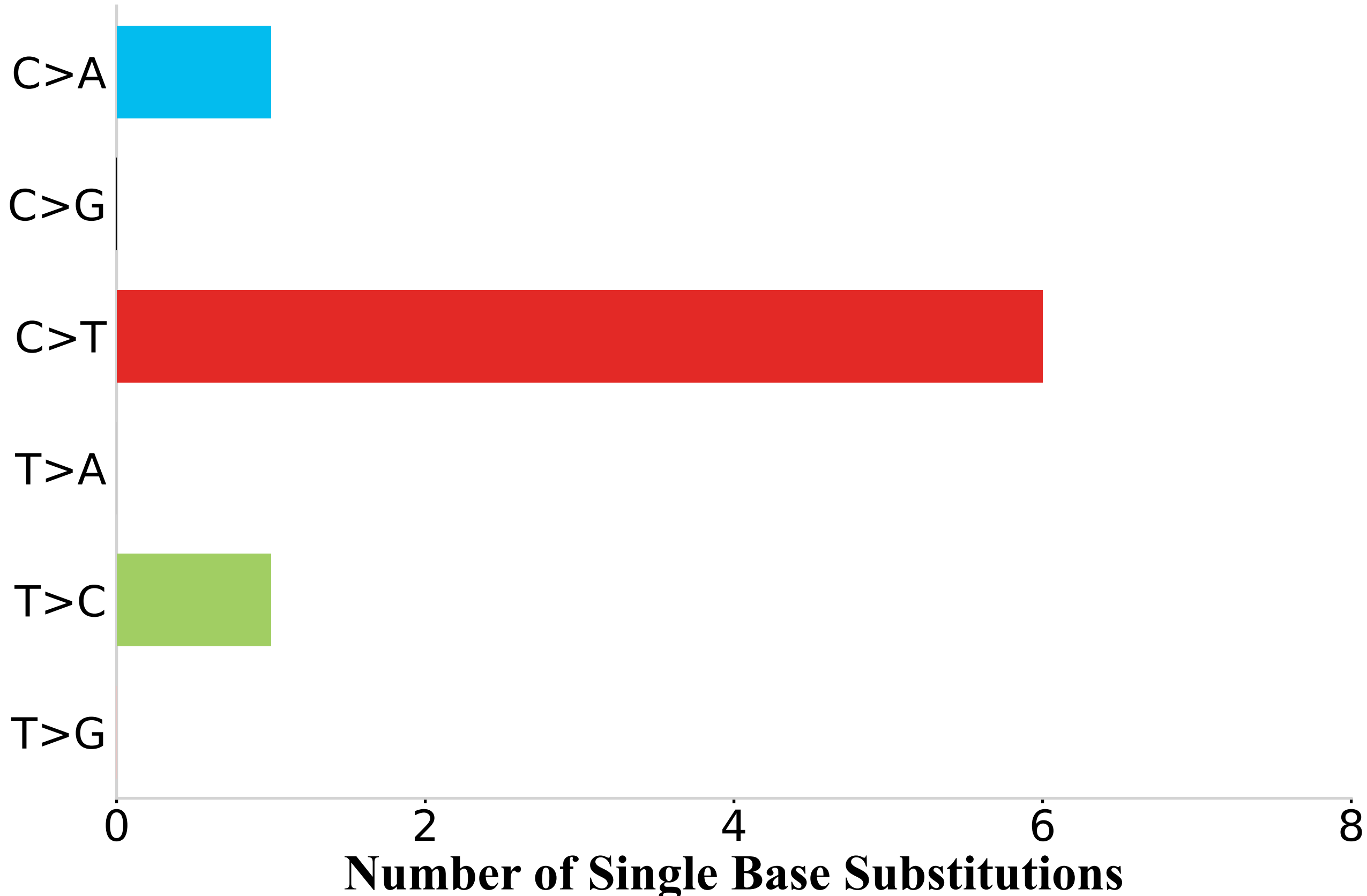
**P-0042030-T01-IM6: 3 subs**



**P-0042763-T01-IM6: 31 subs**

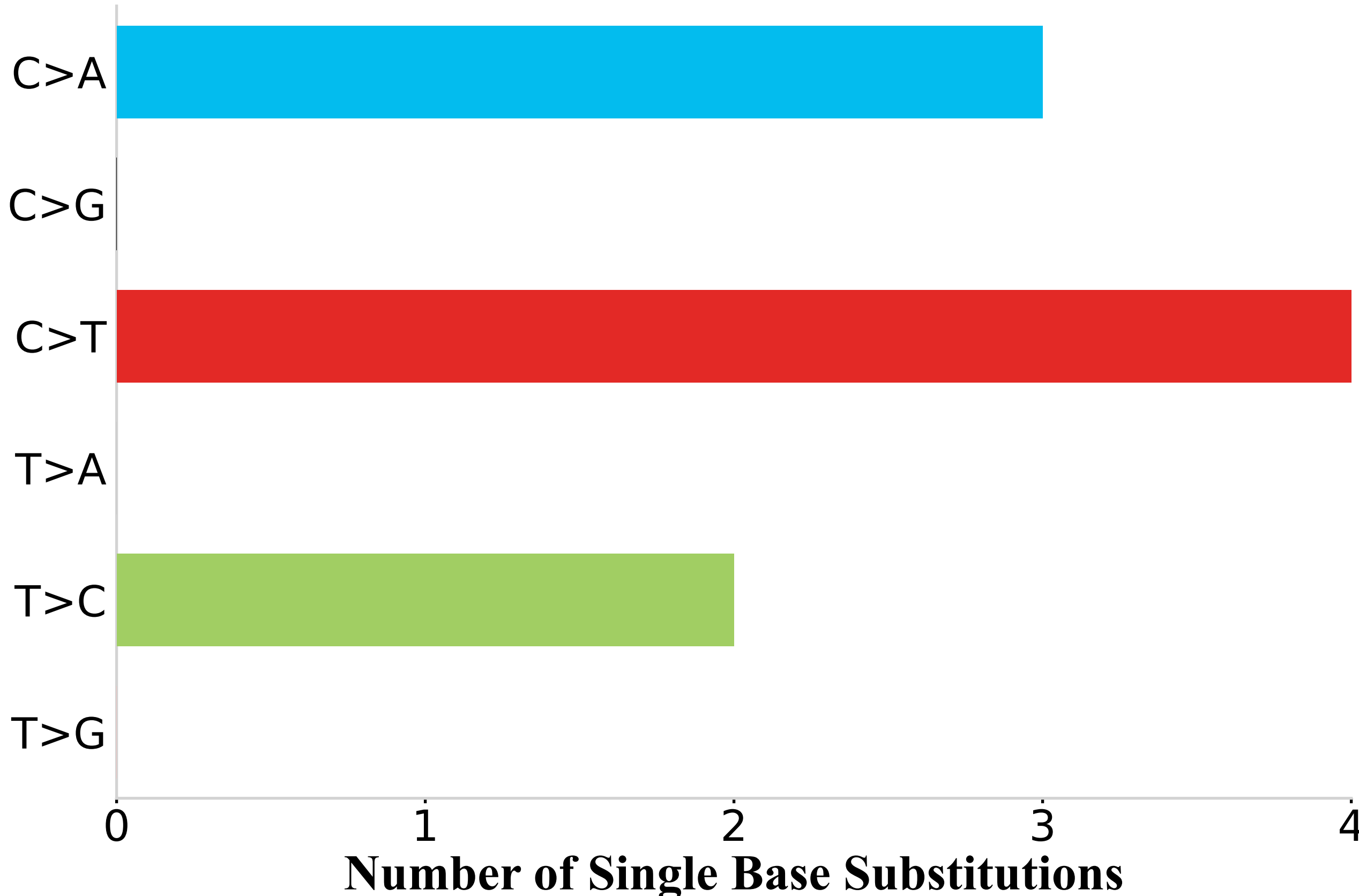


**P-0043348-T01-IM6: 8 subs**

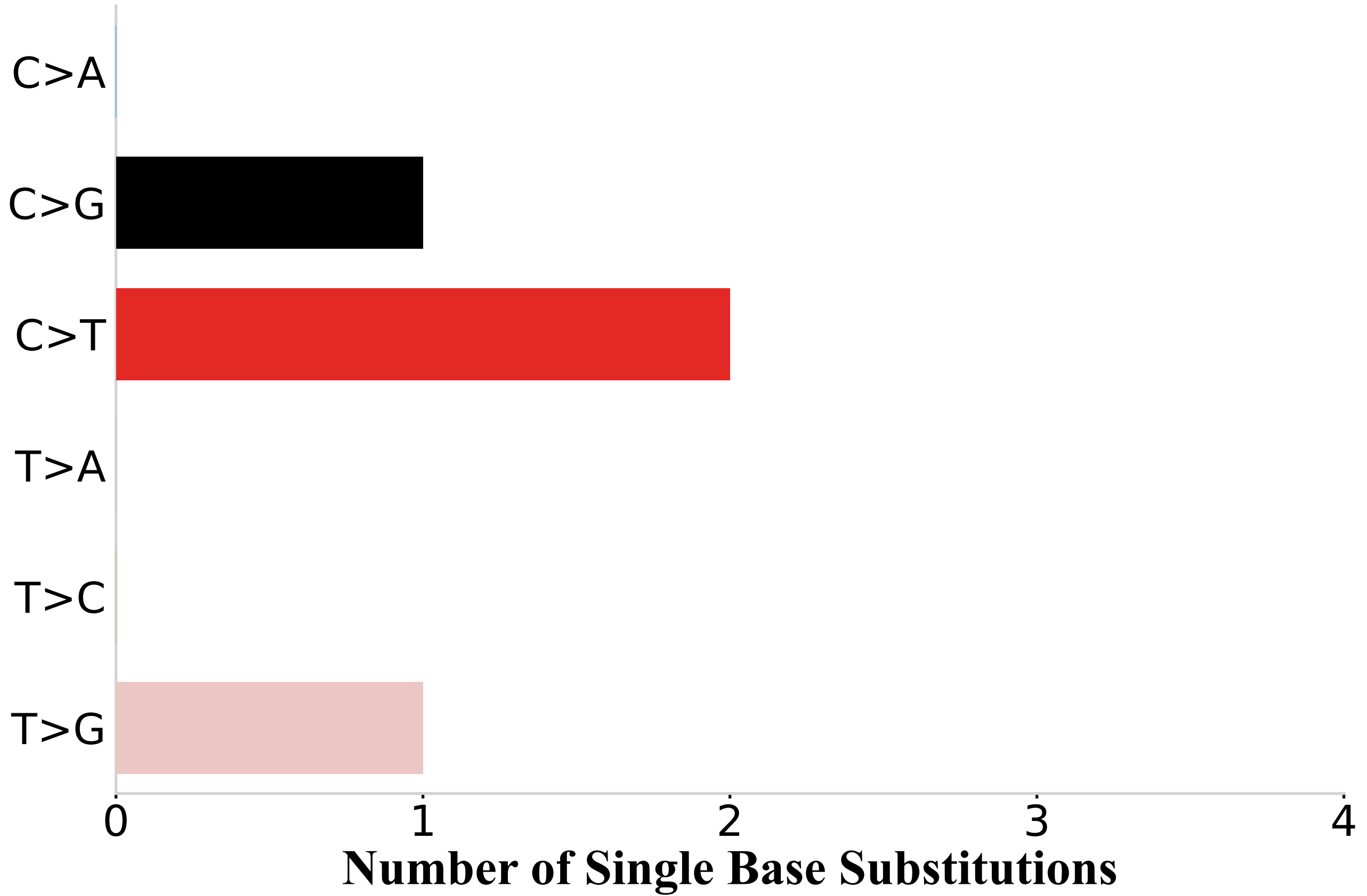




**P-0043560-T01-IM6: 9 subs**



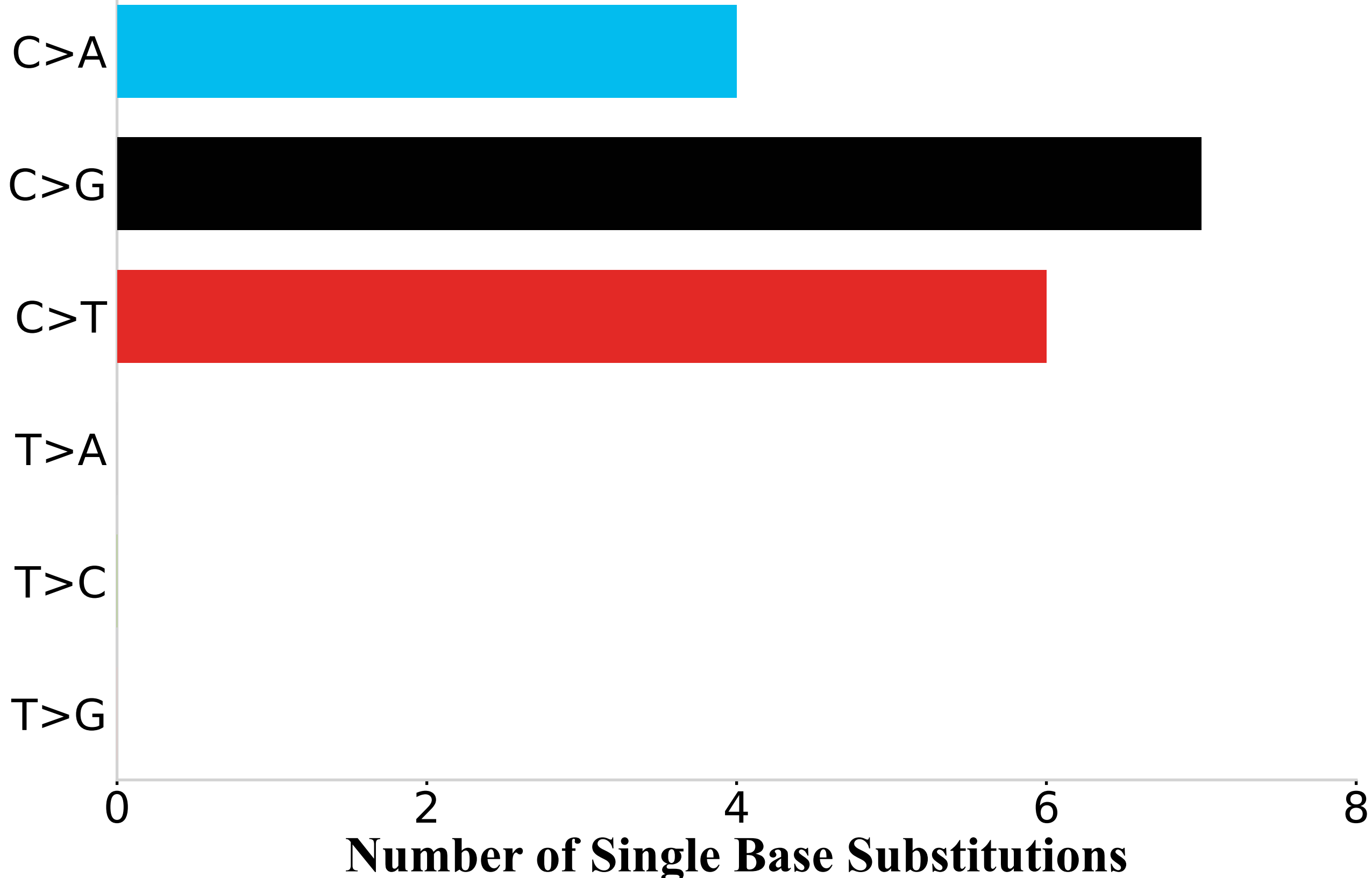
**P-0043642-T01-IM6: 4 subs**



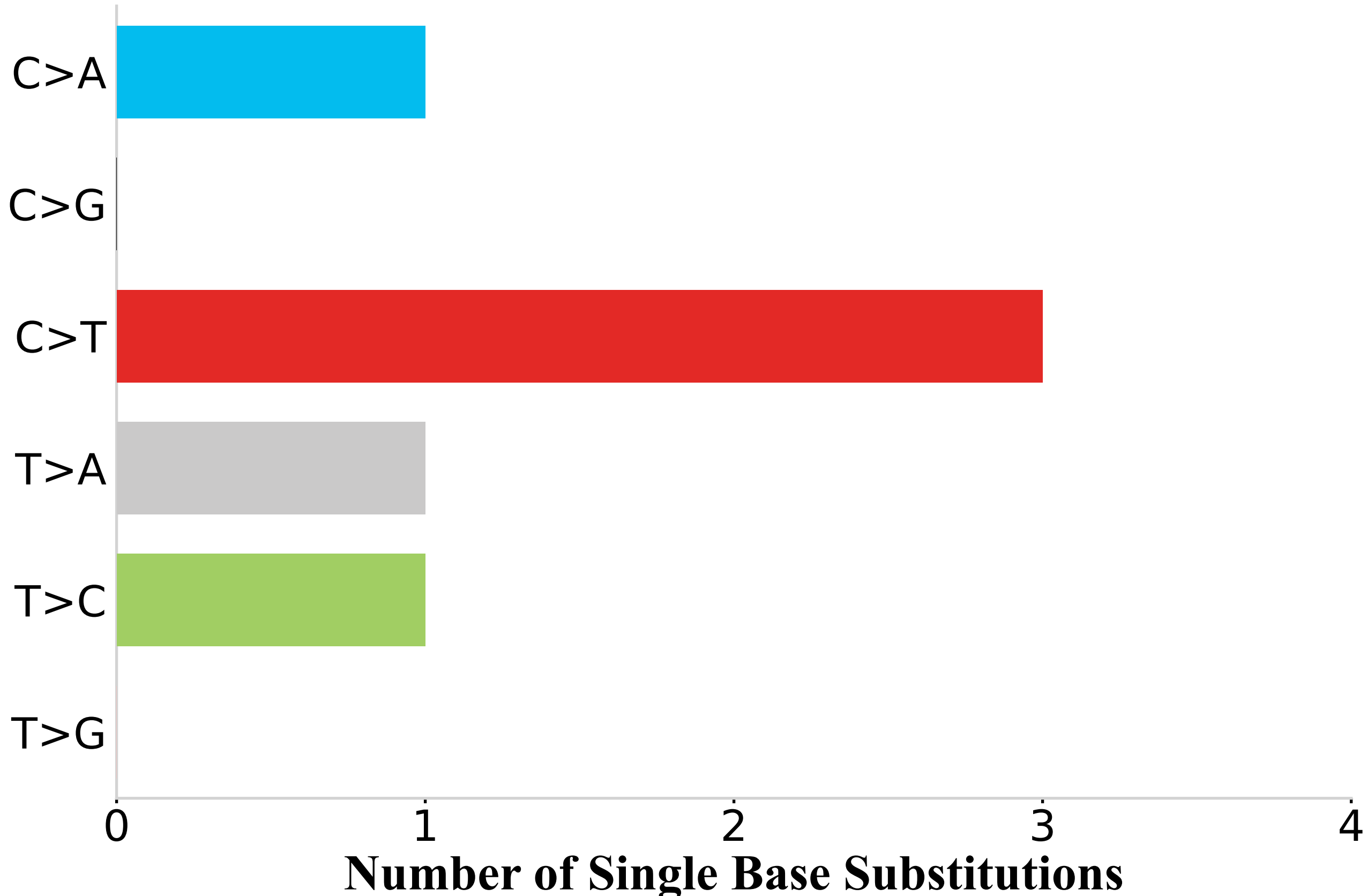
**P-0043734-T01-IM6: 1 subs**



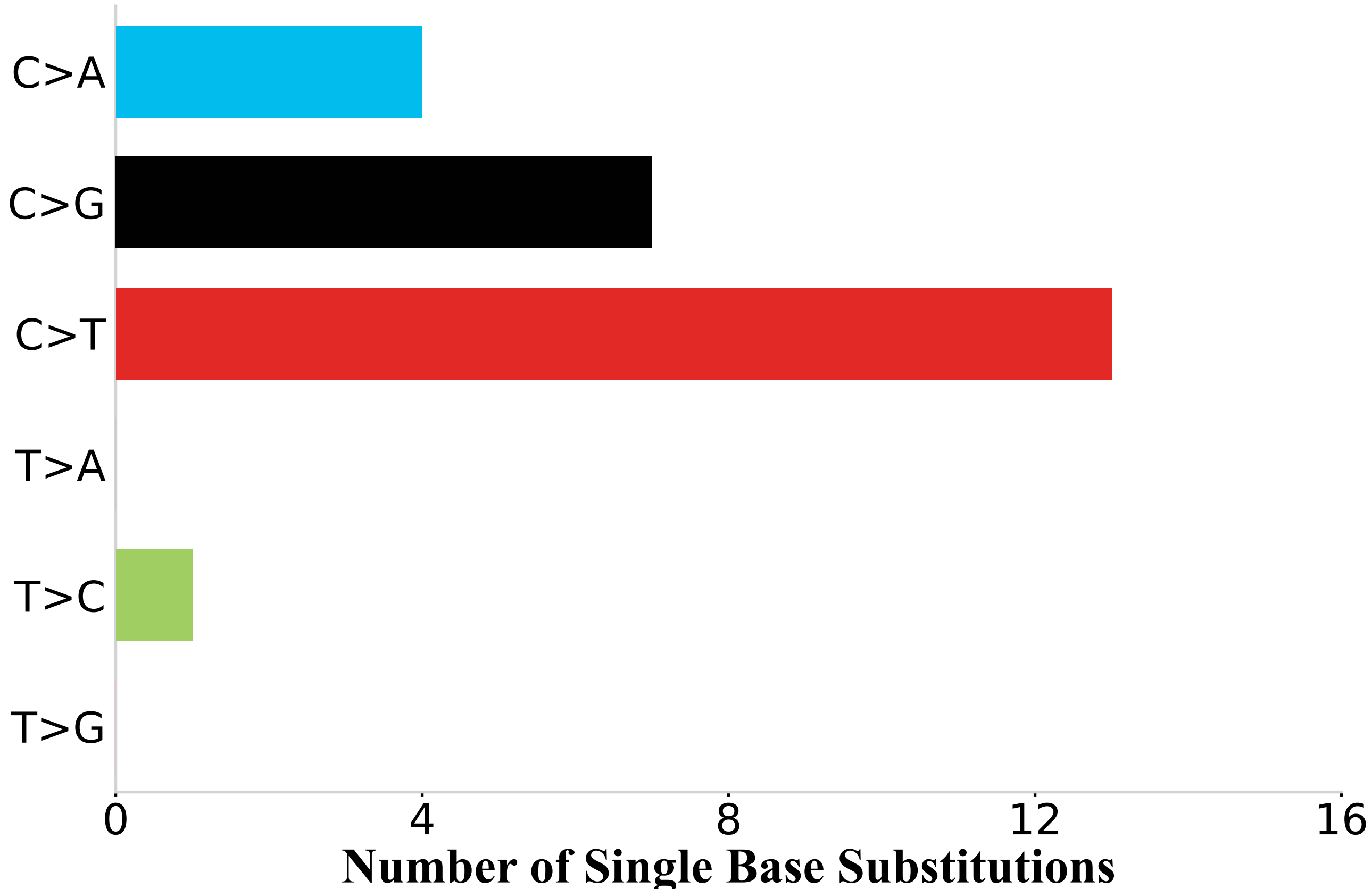
**P-0044138-T01-IM6: 17 subs**



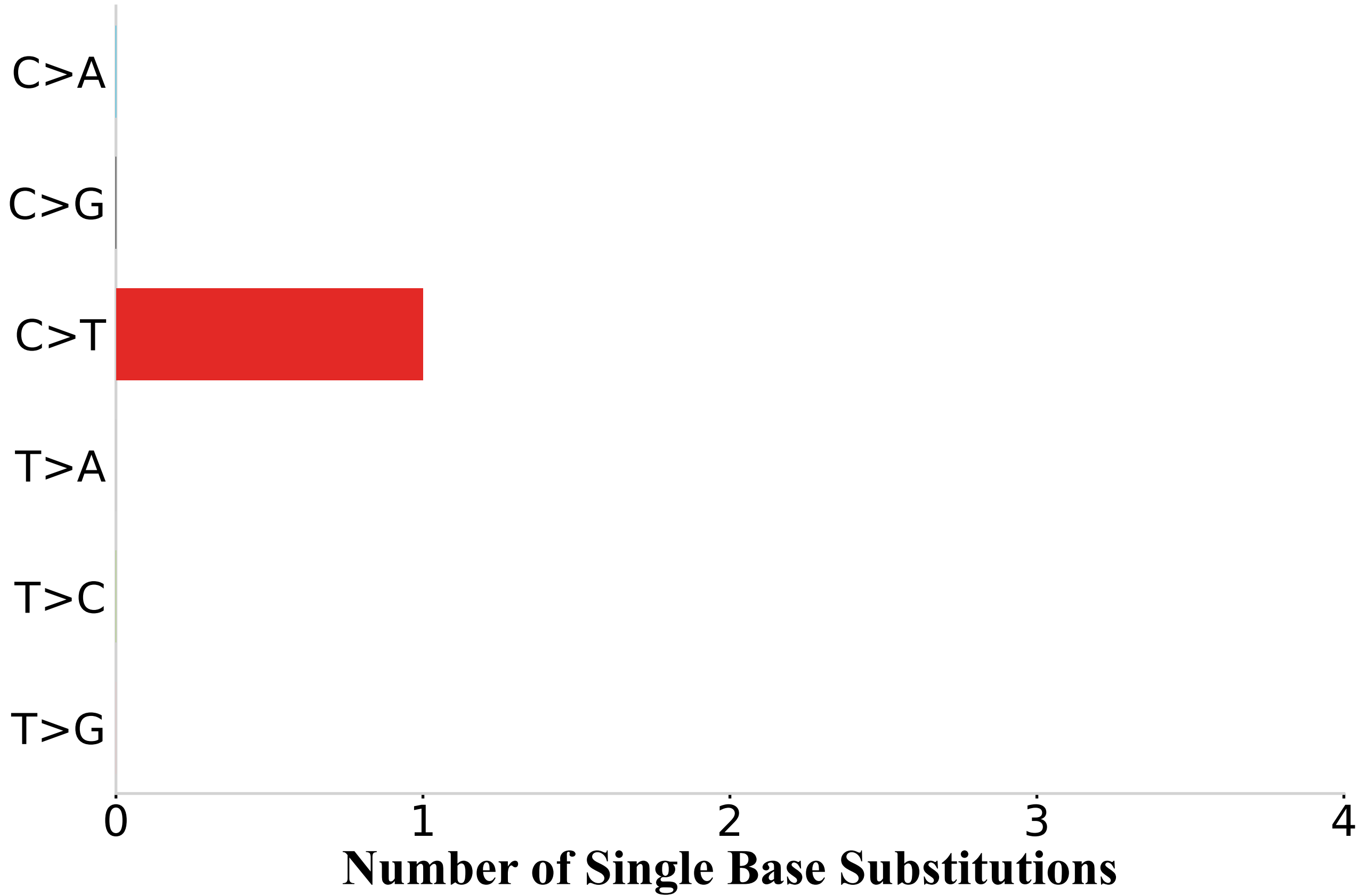
**P-0044771-T01-IM6: 6 subs**



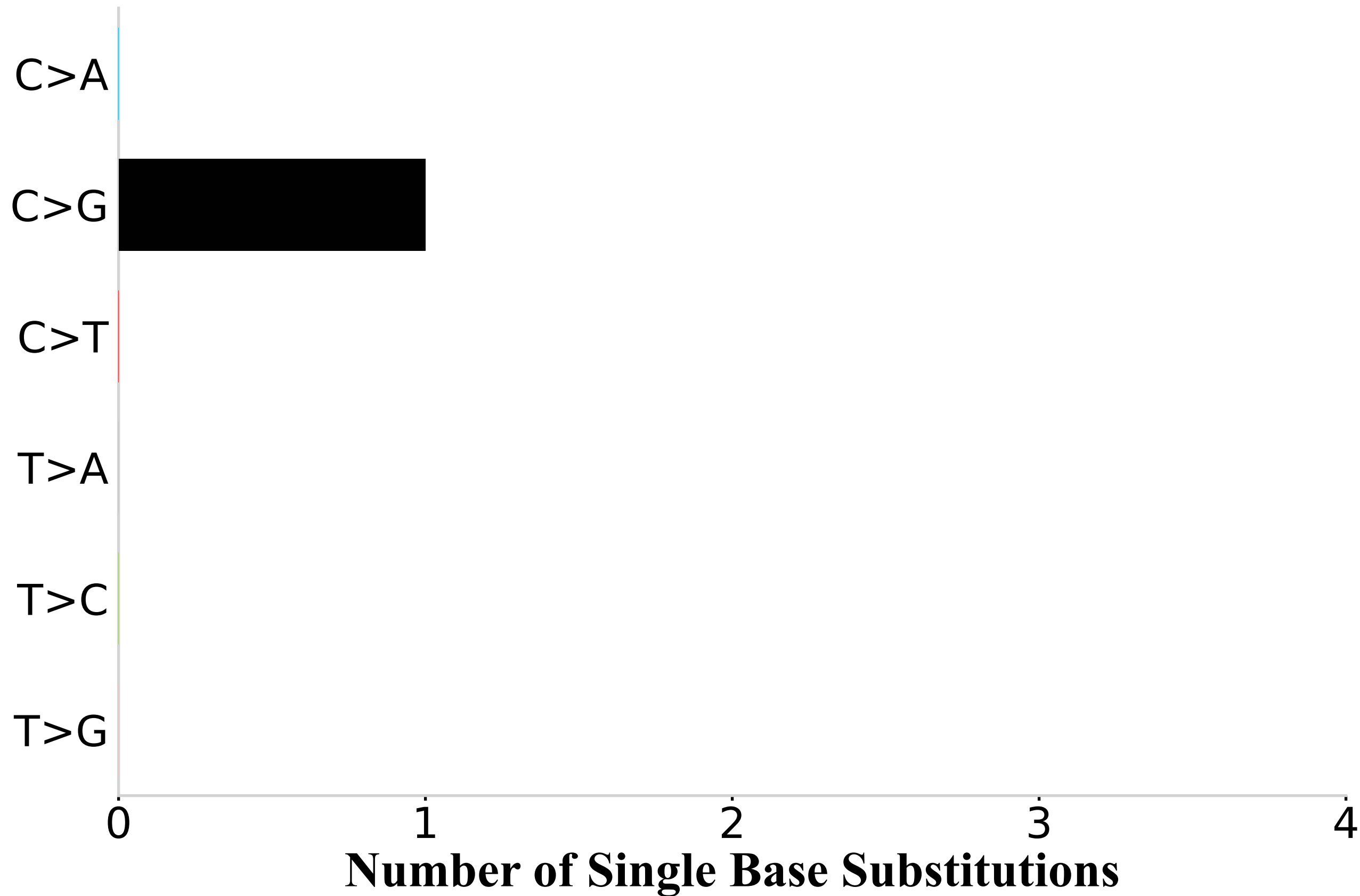
**P-0044914-T01-IM6: 25 subs**



**P-0045177-T01-IM6: 1 subs**



**P-0045836-T01-IM6: 1 subs**





**P-0046033-T01-IM6: 0 subs**

C>A

C>G

C>T

T>A

T>C

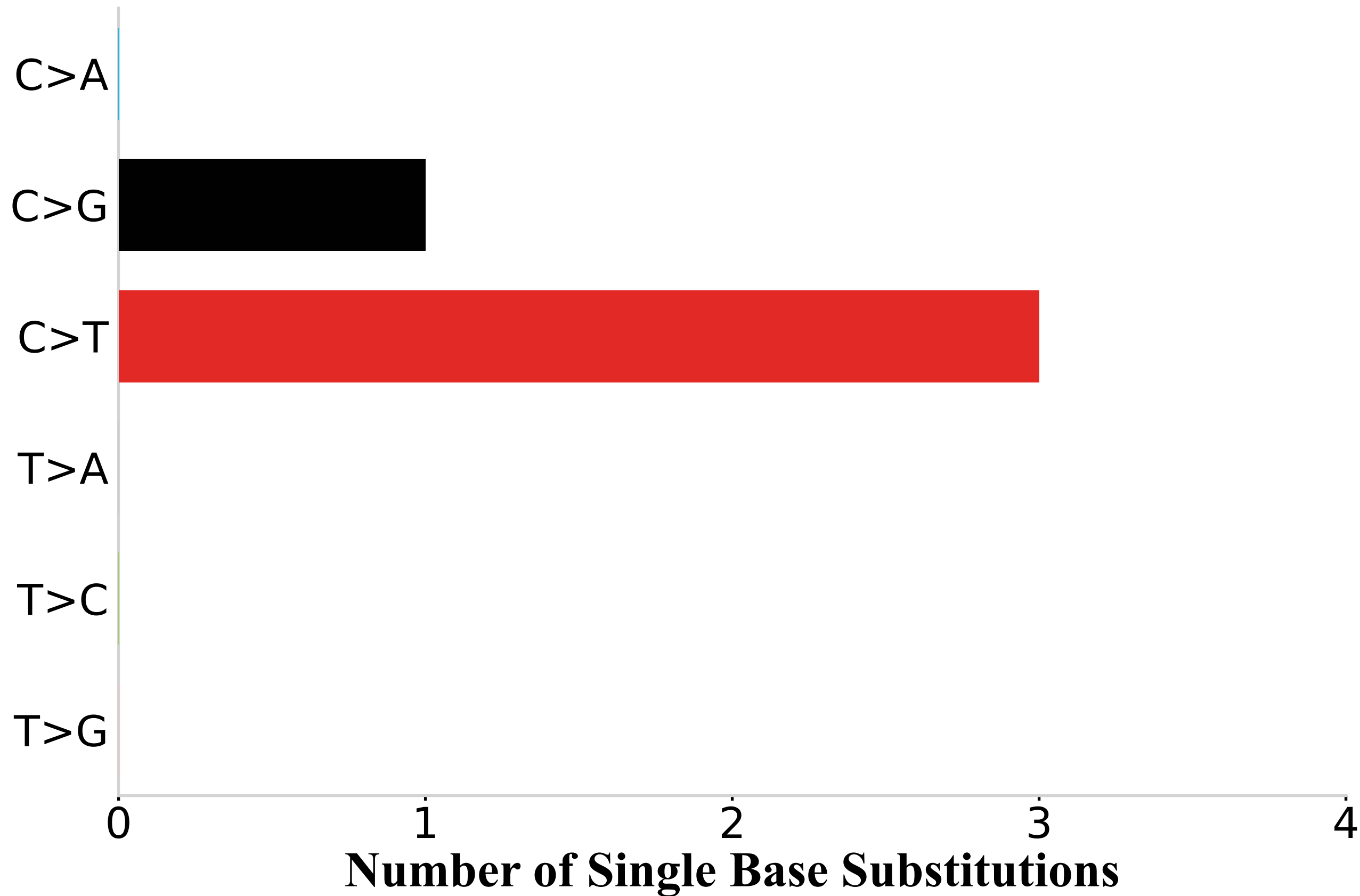
T>G

0

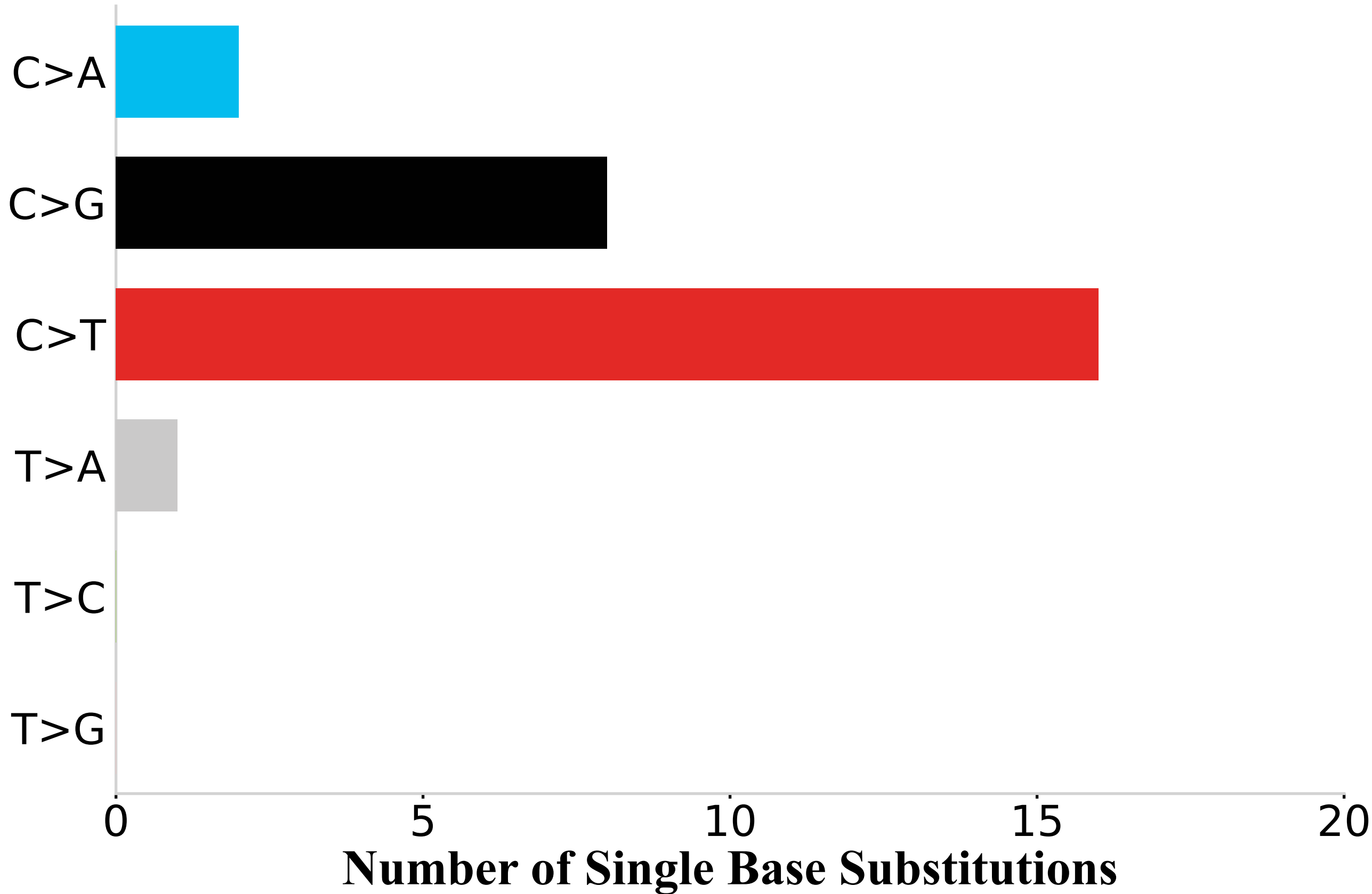
**Number of Single Base Substitutions**



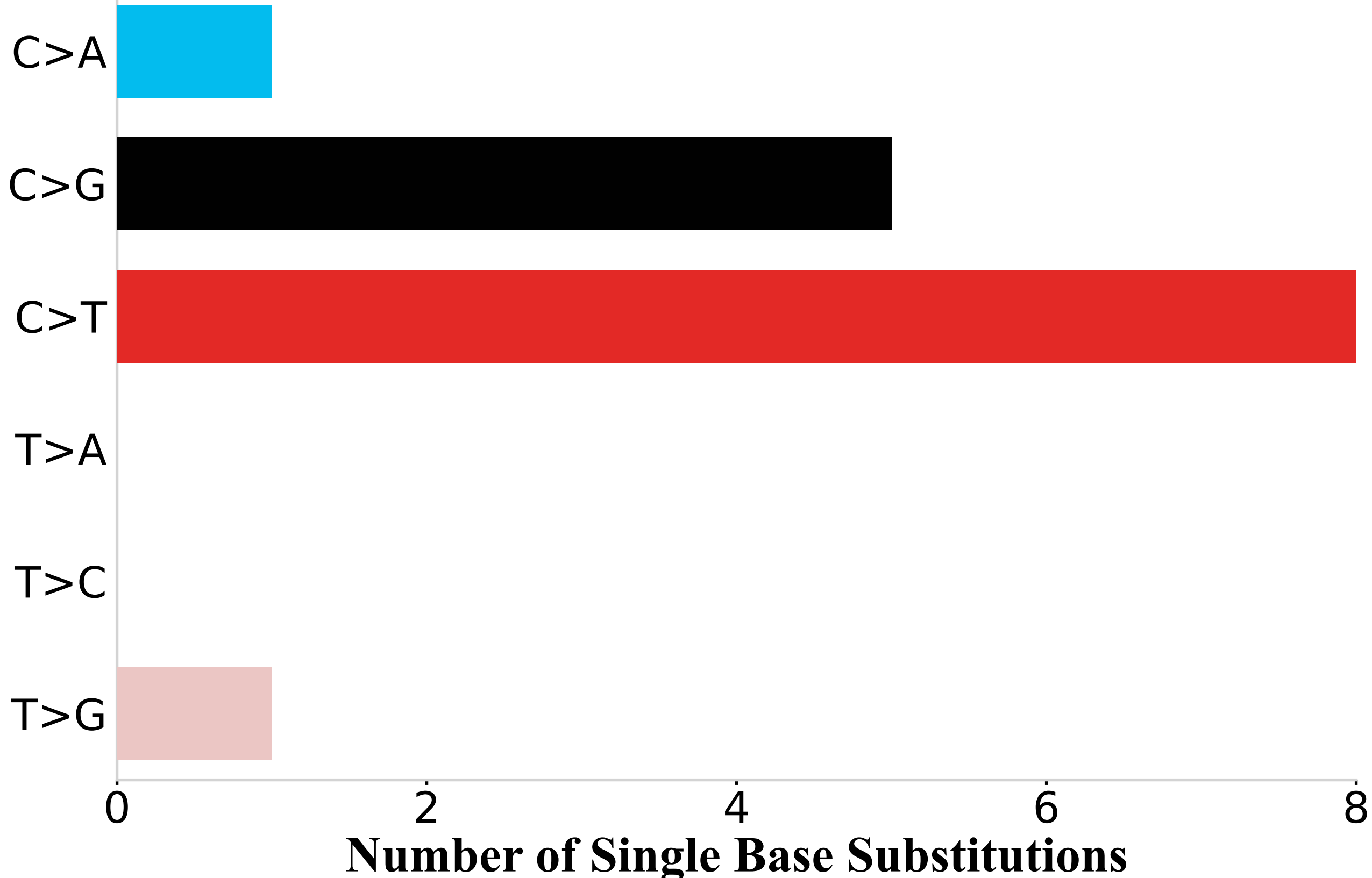
**P-0046615-T01-IM6: 4 subs**



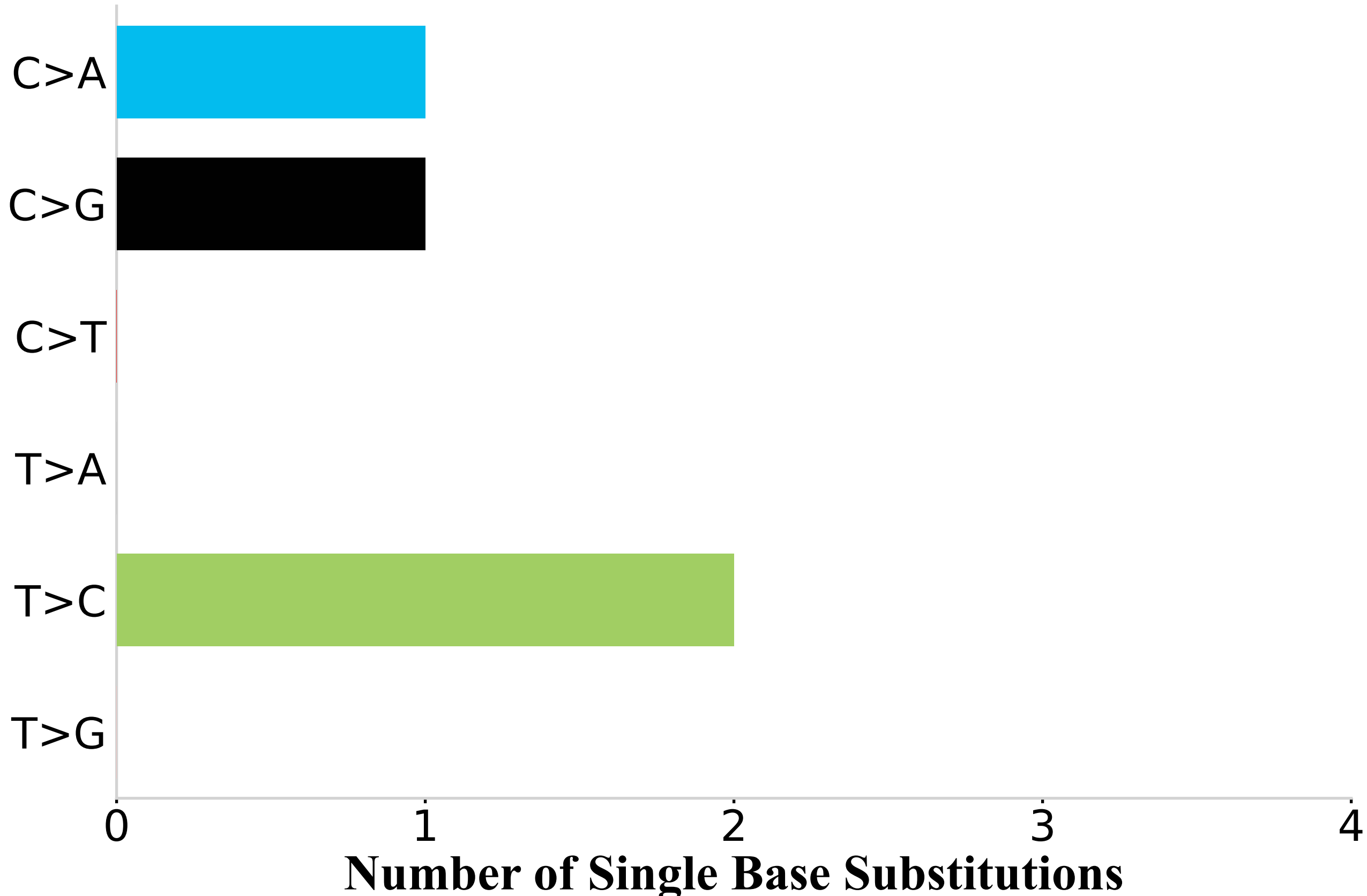
**P-0046864-T01-IM6: 27 subs**



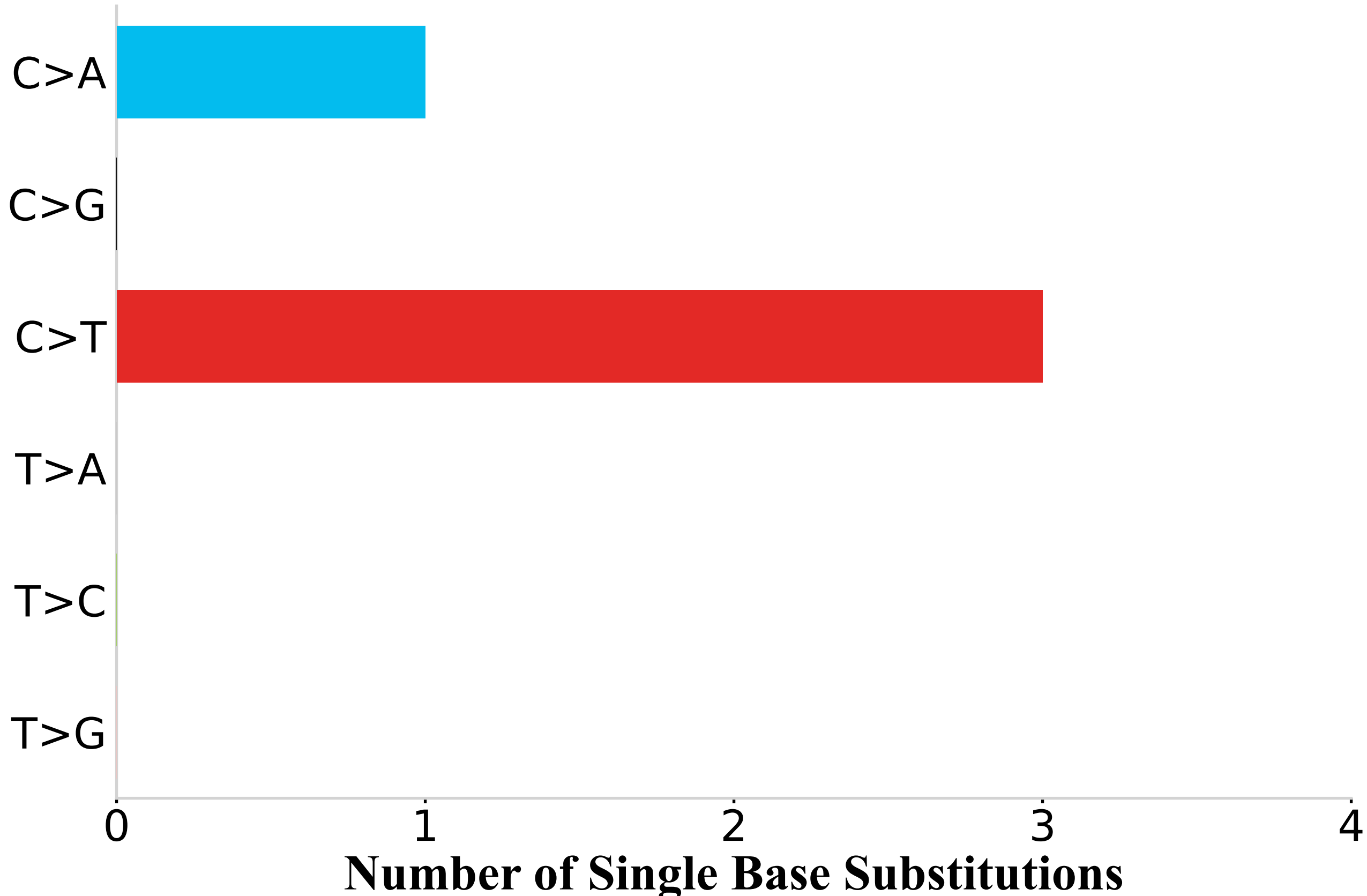
**P-0047595-T01-IM6: 15 subs**



**P-0047603-T01-IM6: 4 subs**



**P-0047786-T01-IM6: 4 subs**



**P-0048263-T01-IM6: 16 subs**

C>A

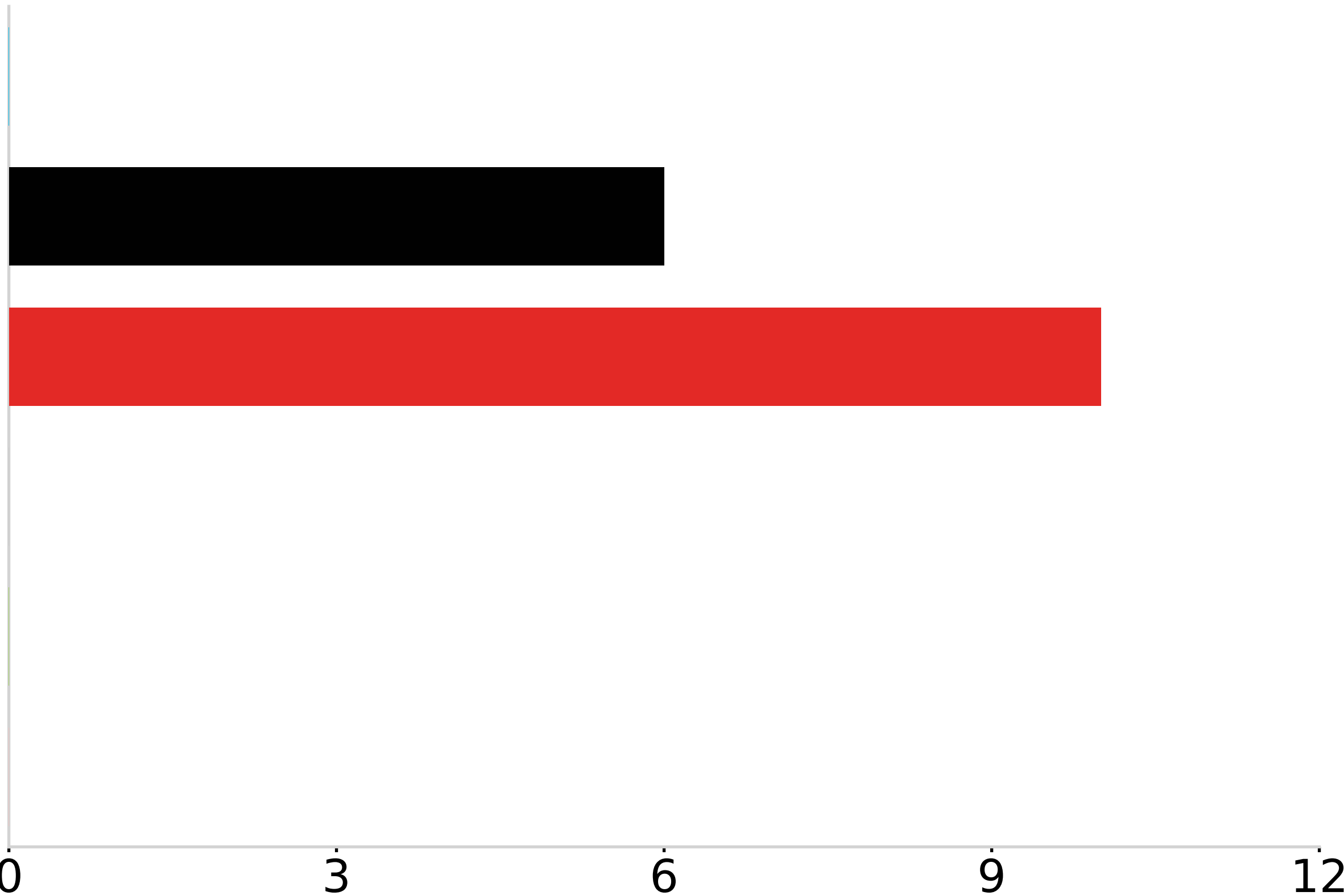
C>G

C>T

T>A

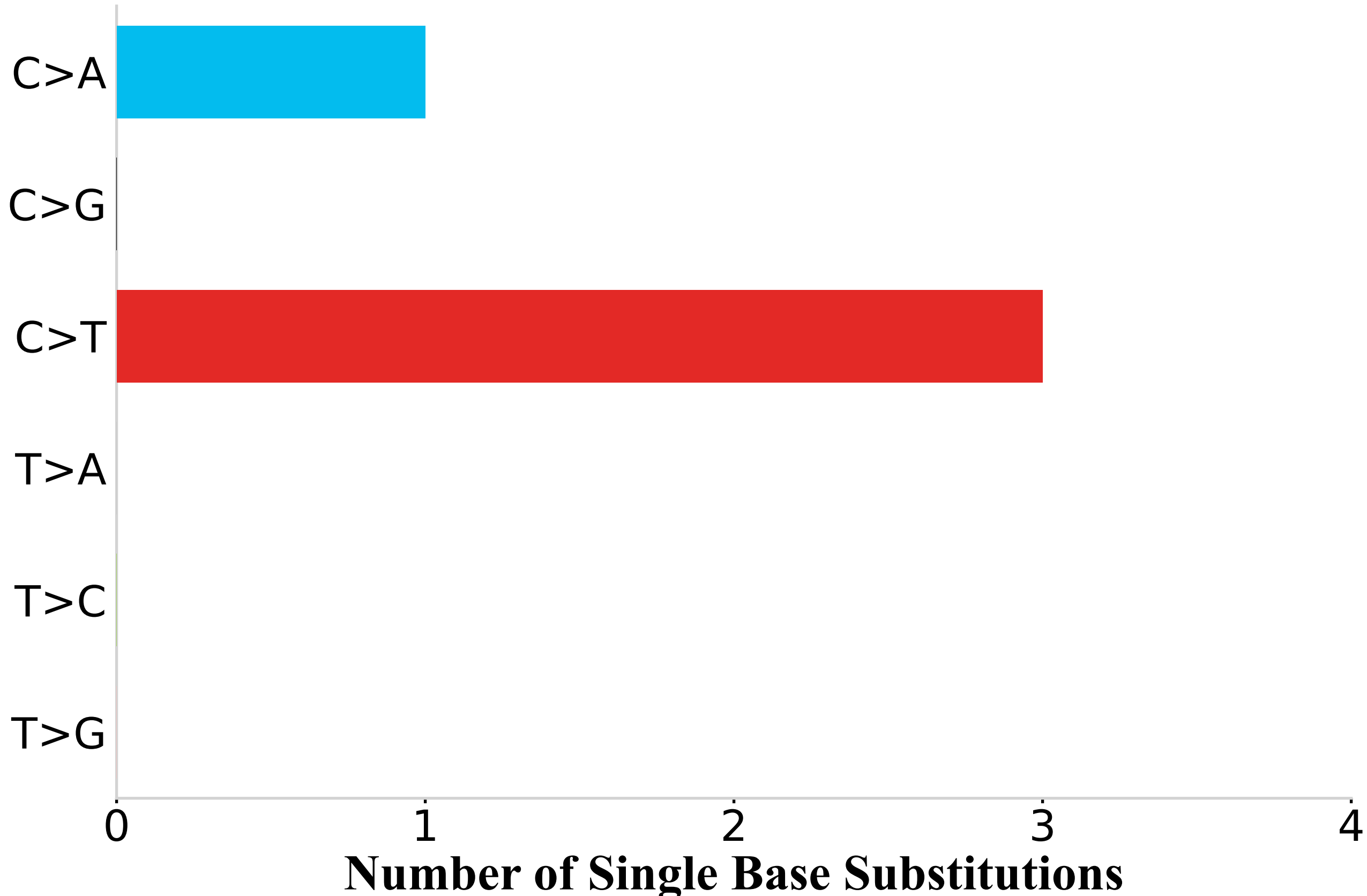
T>C

T>G



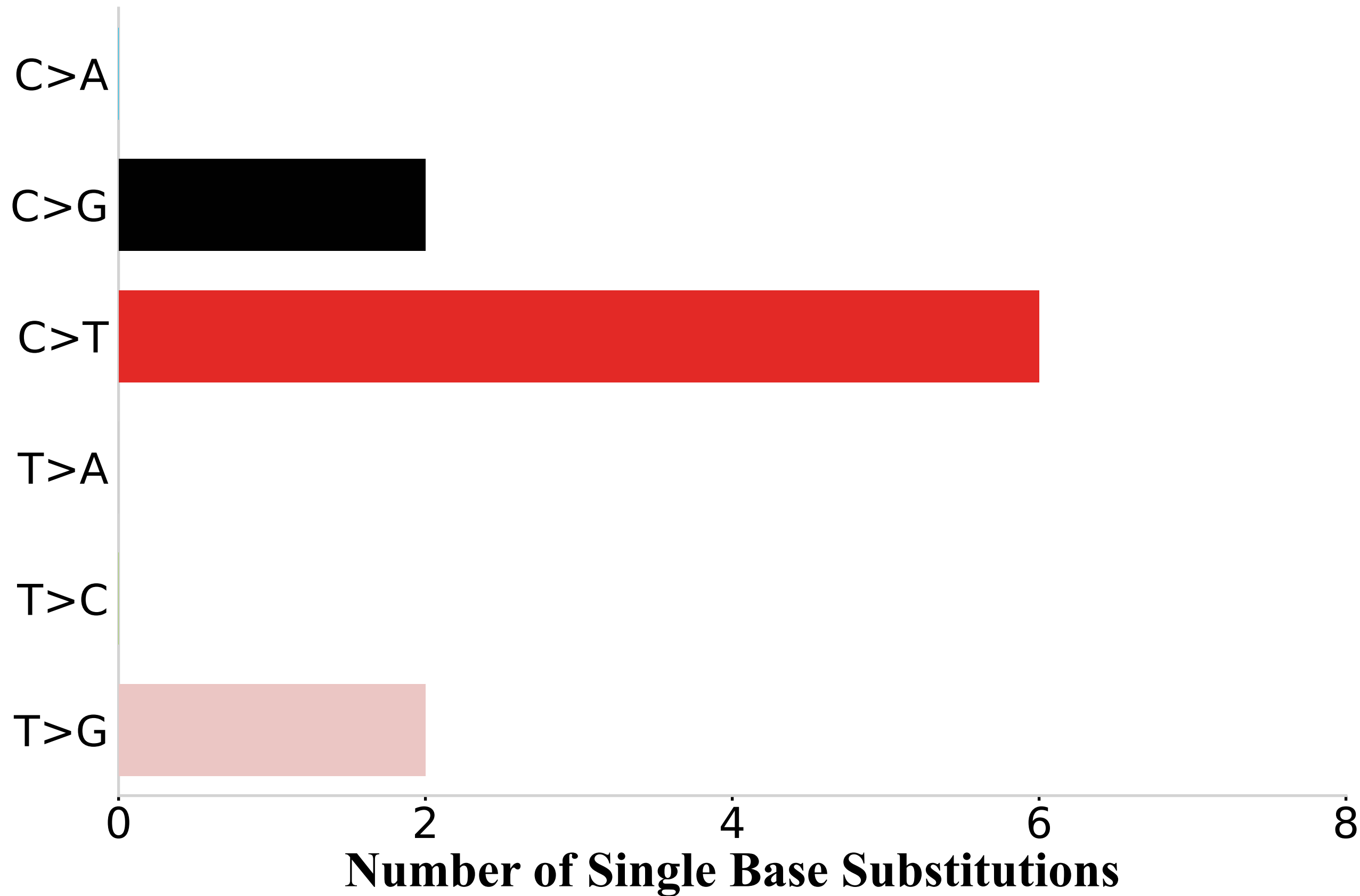
**Number of Single Base Substitutions**

**P-0048475-T02-IM6: 4 subs**

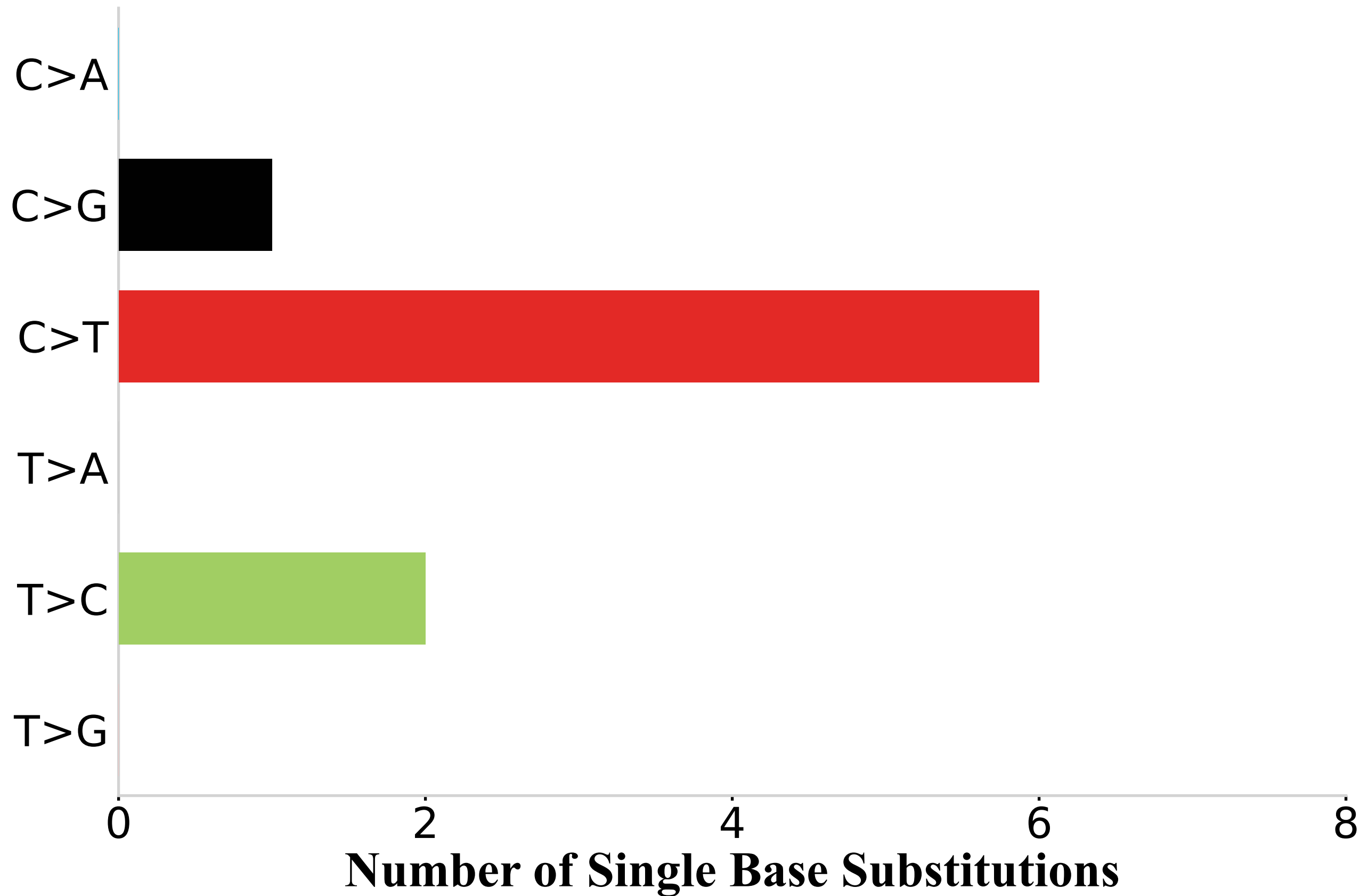




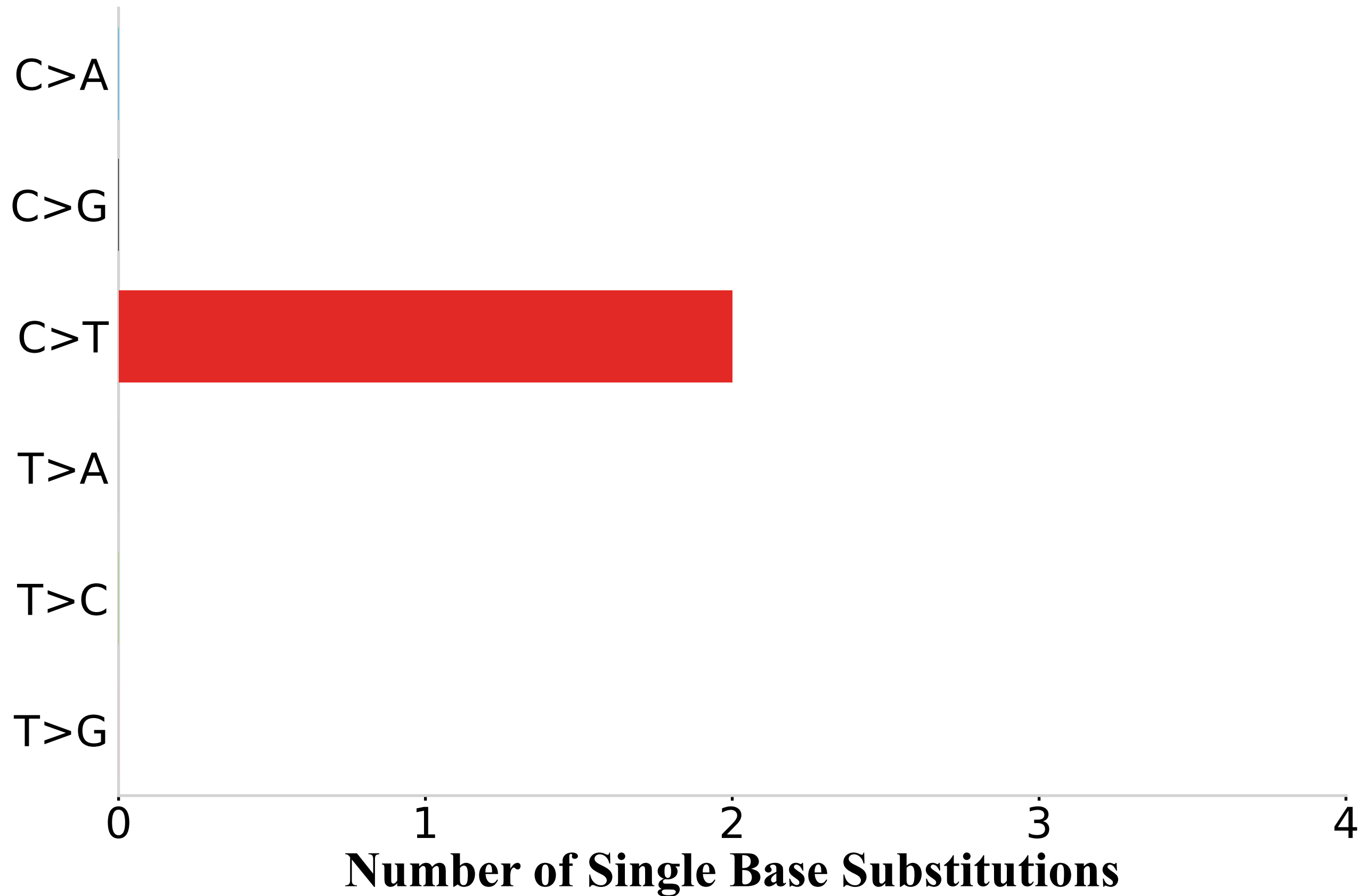
**P-0049290-T01-IM6: 10 subs**



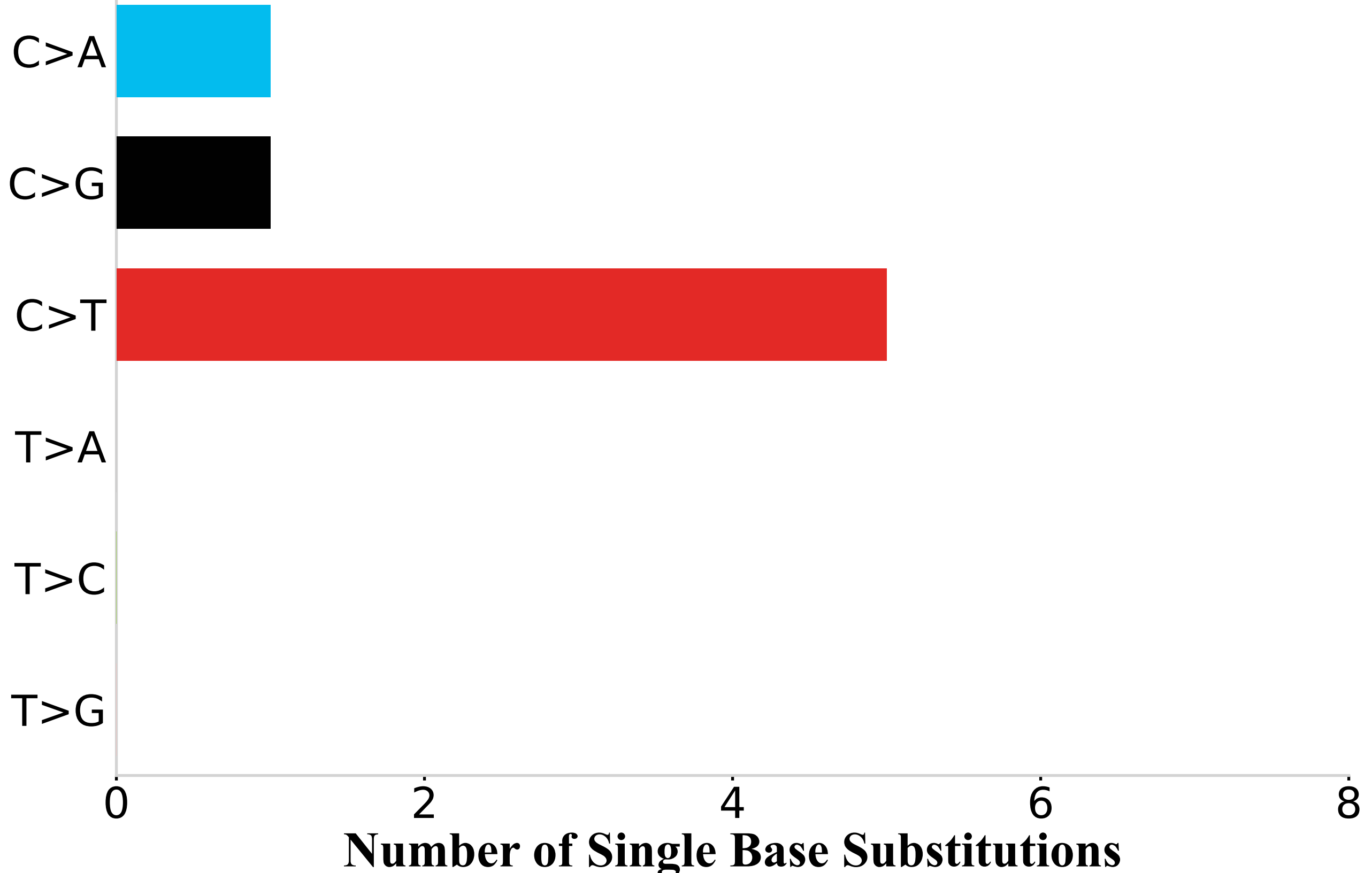
**P-0049373-T01-IM6: 9 subs**



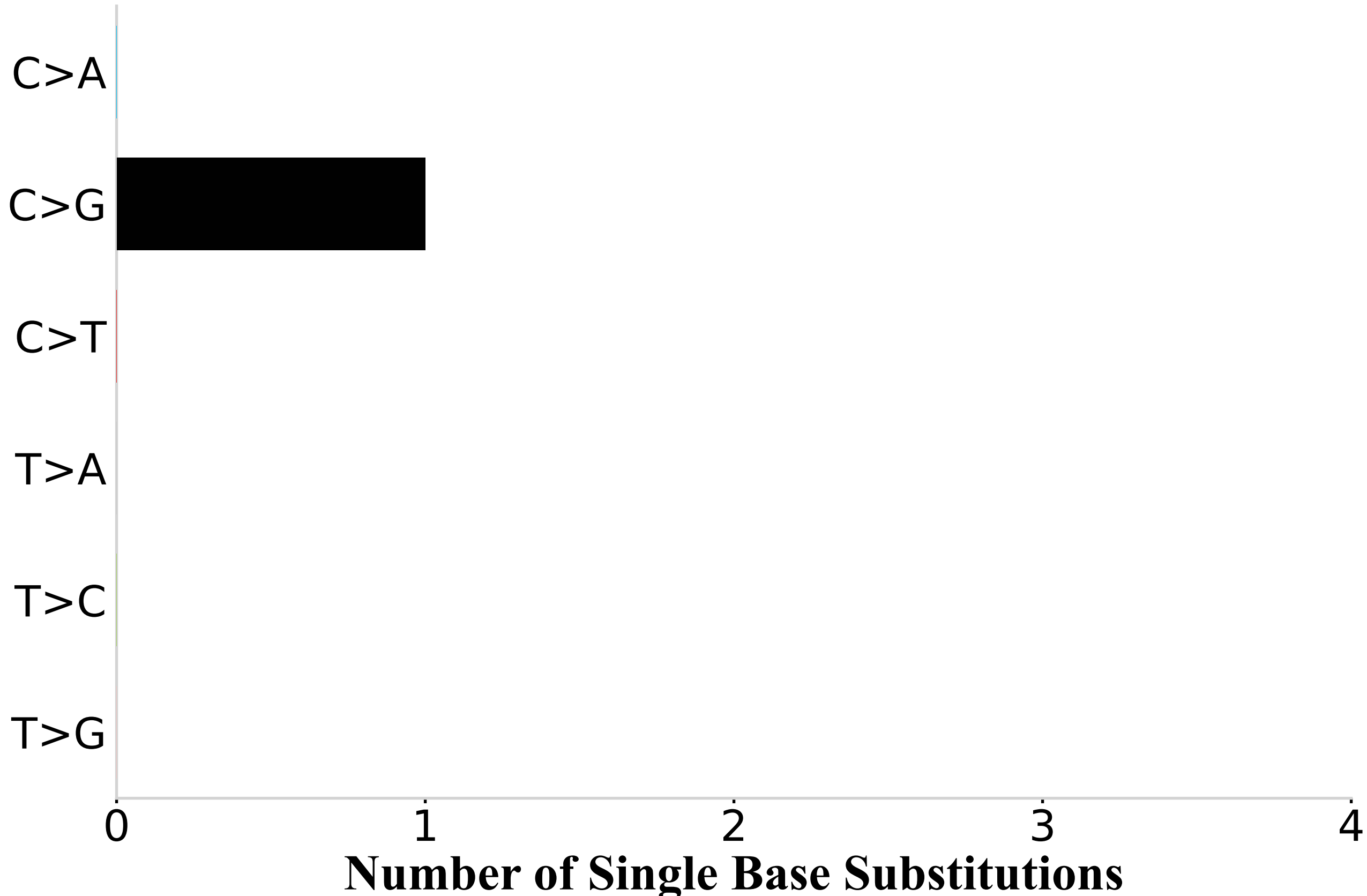
**P-0049505-T01-IM6: 2 subs**



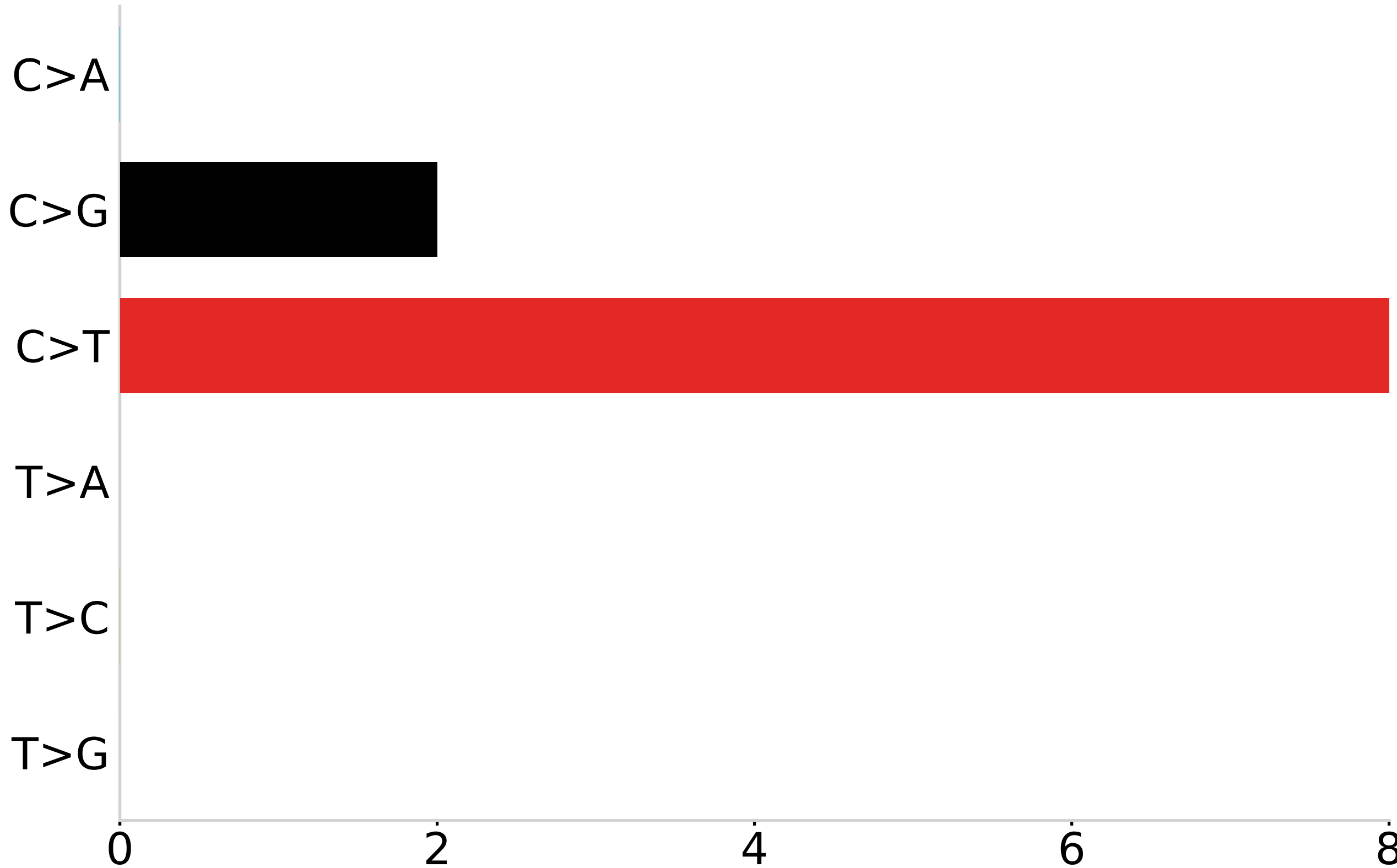
**P-0049982-T01-IM6: 7 subs**



**P-0050061-T01-IM6: 1 subs**



**P-0050119-T01-IM6: 10 subs**



**Number of Single Base Substitutions**