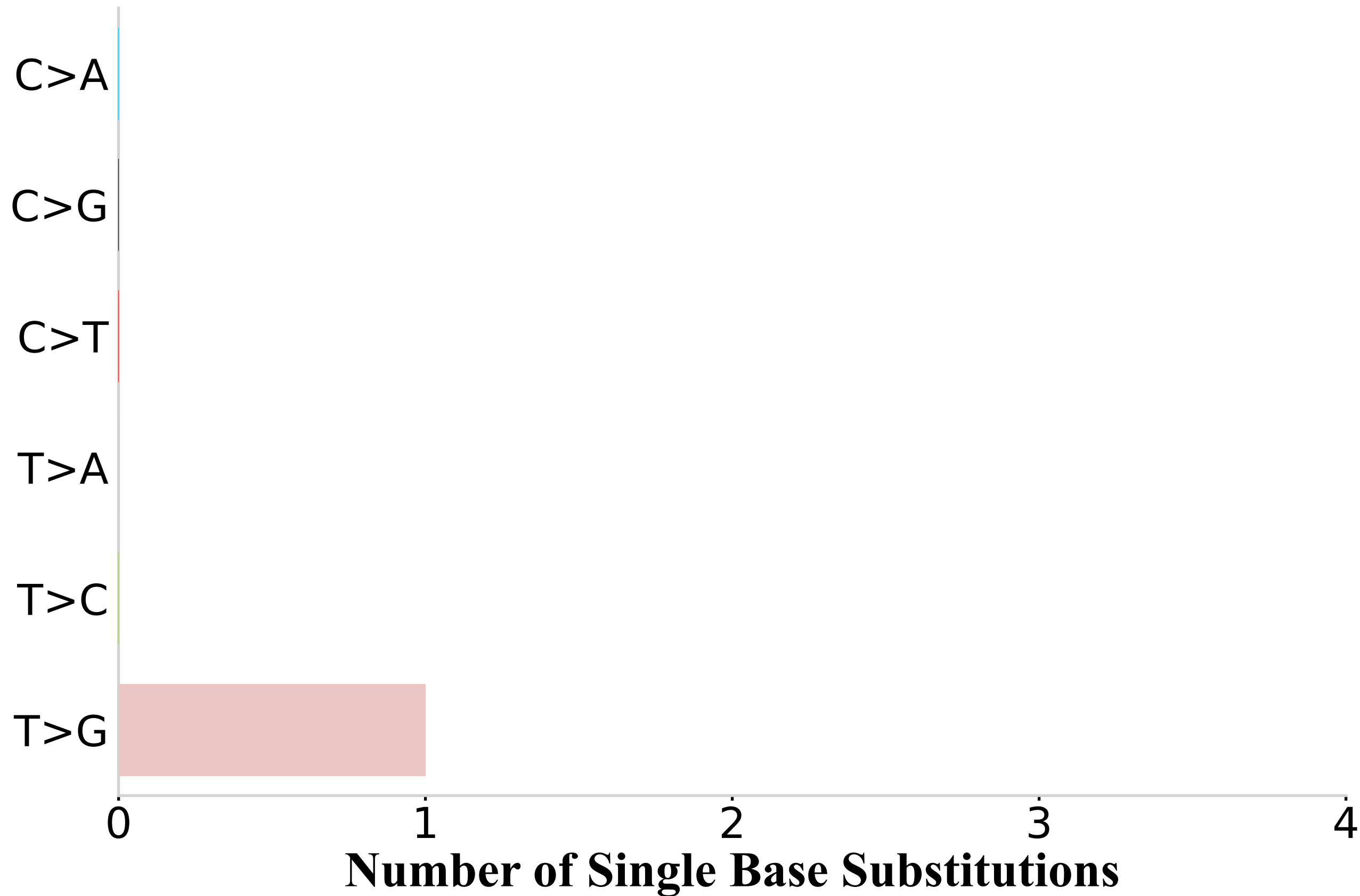
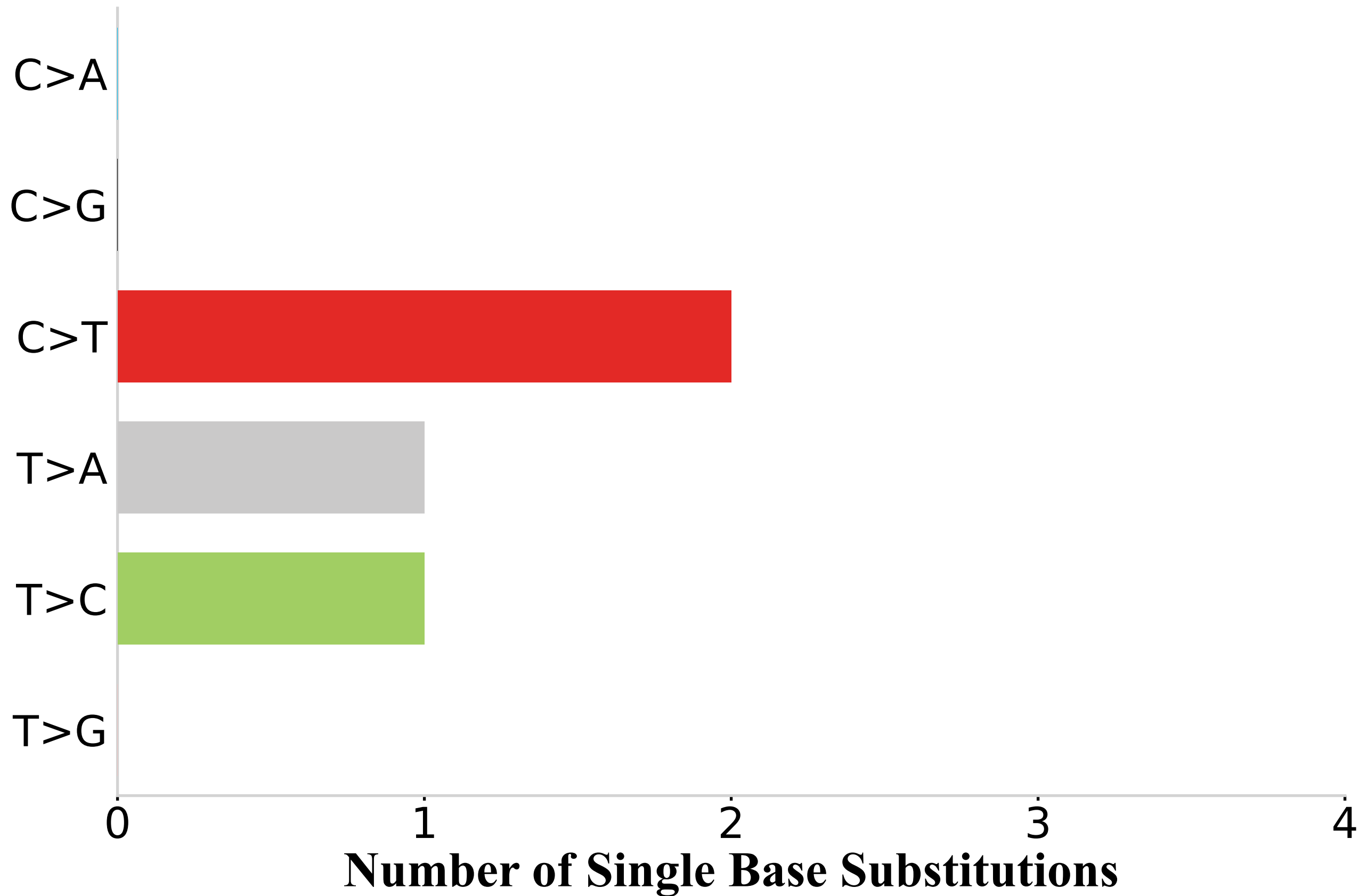


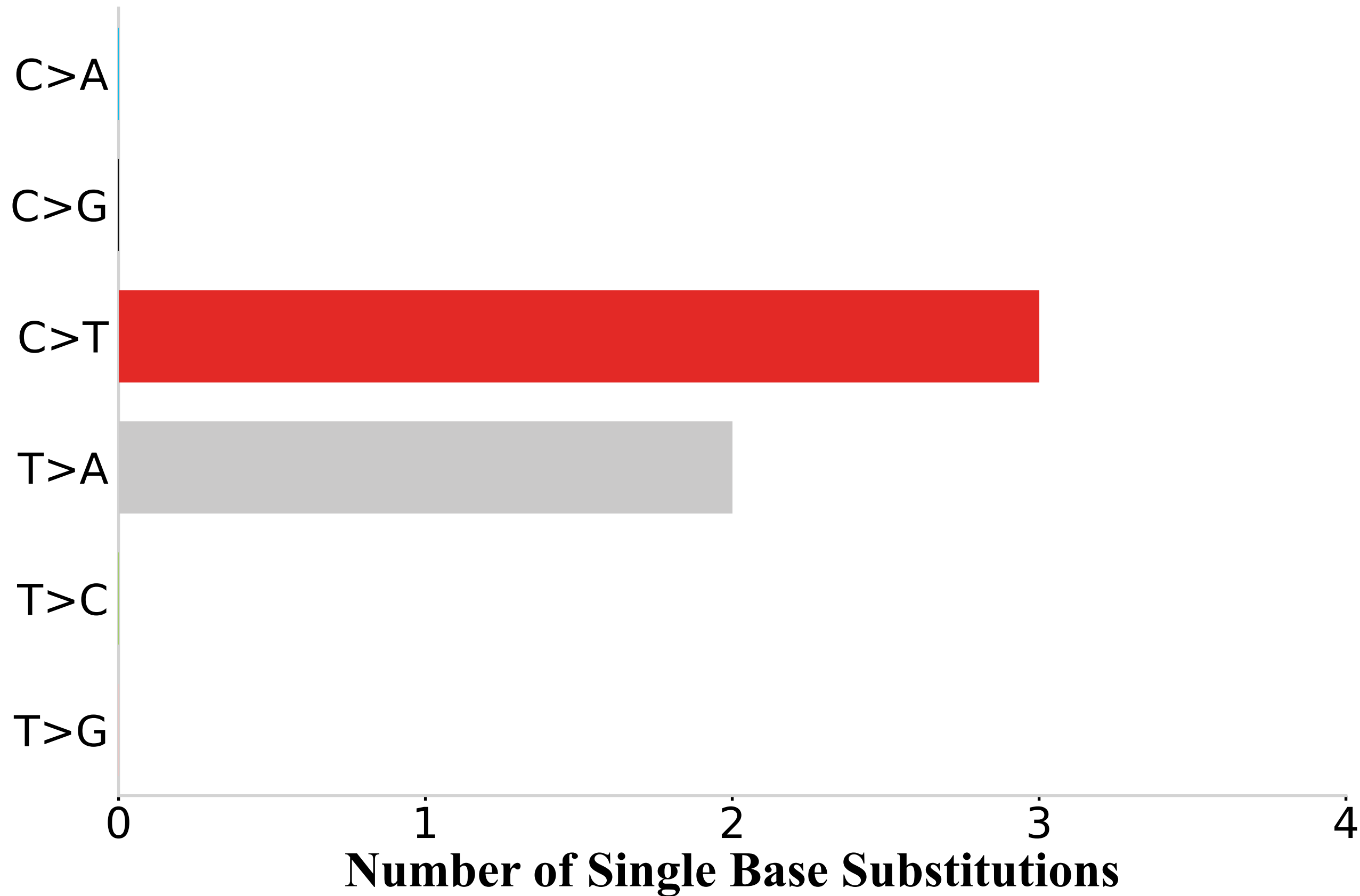
**P-0000478-T01-IM3: 1 subs**



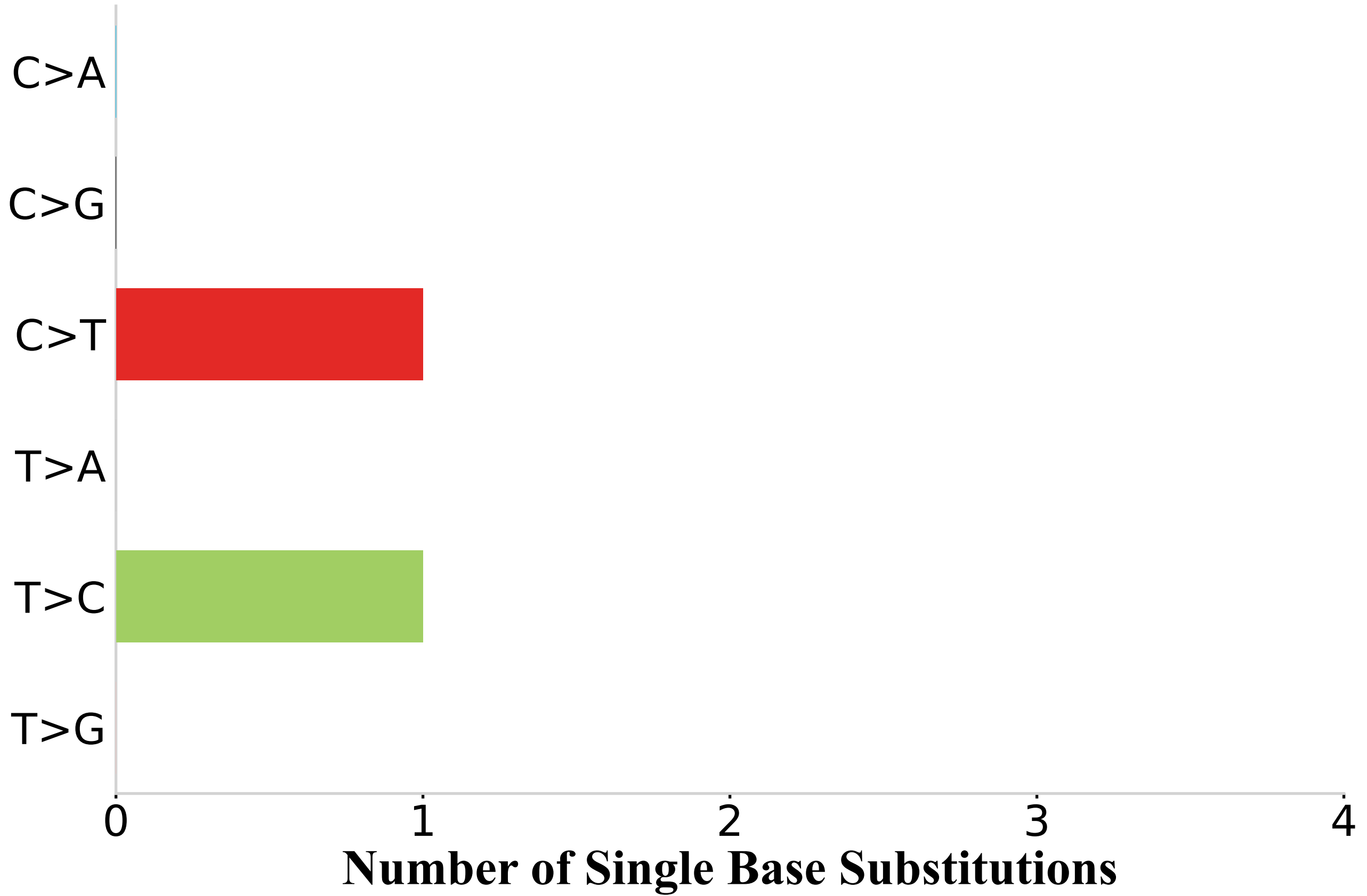
**P-0001627-T02-IM5: 4 subs**



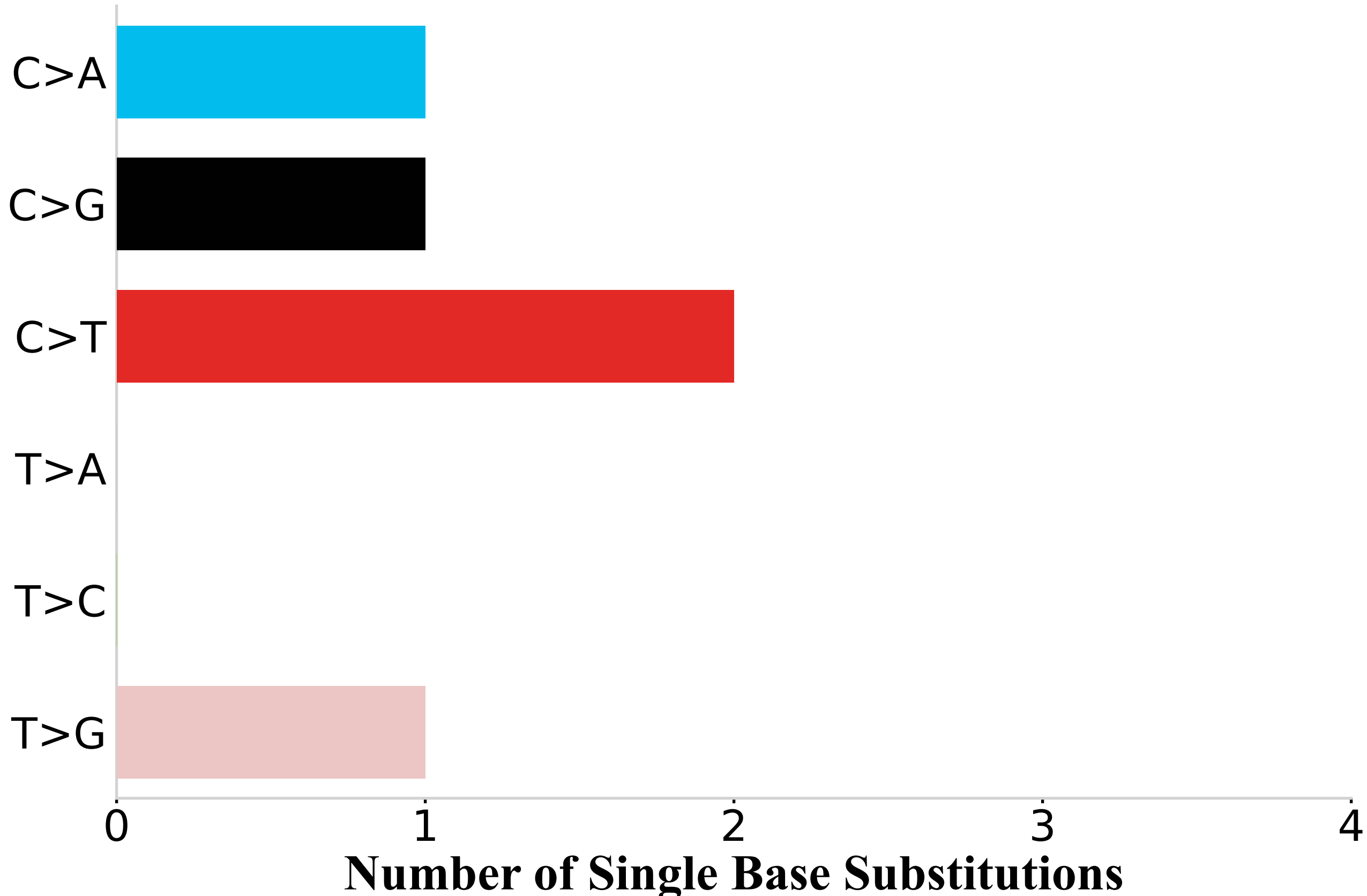
**P-0001637-T01-IM3: 5 subs**



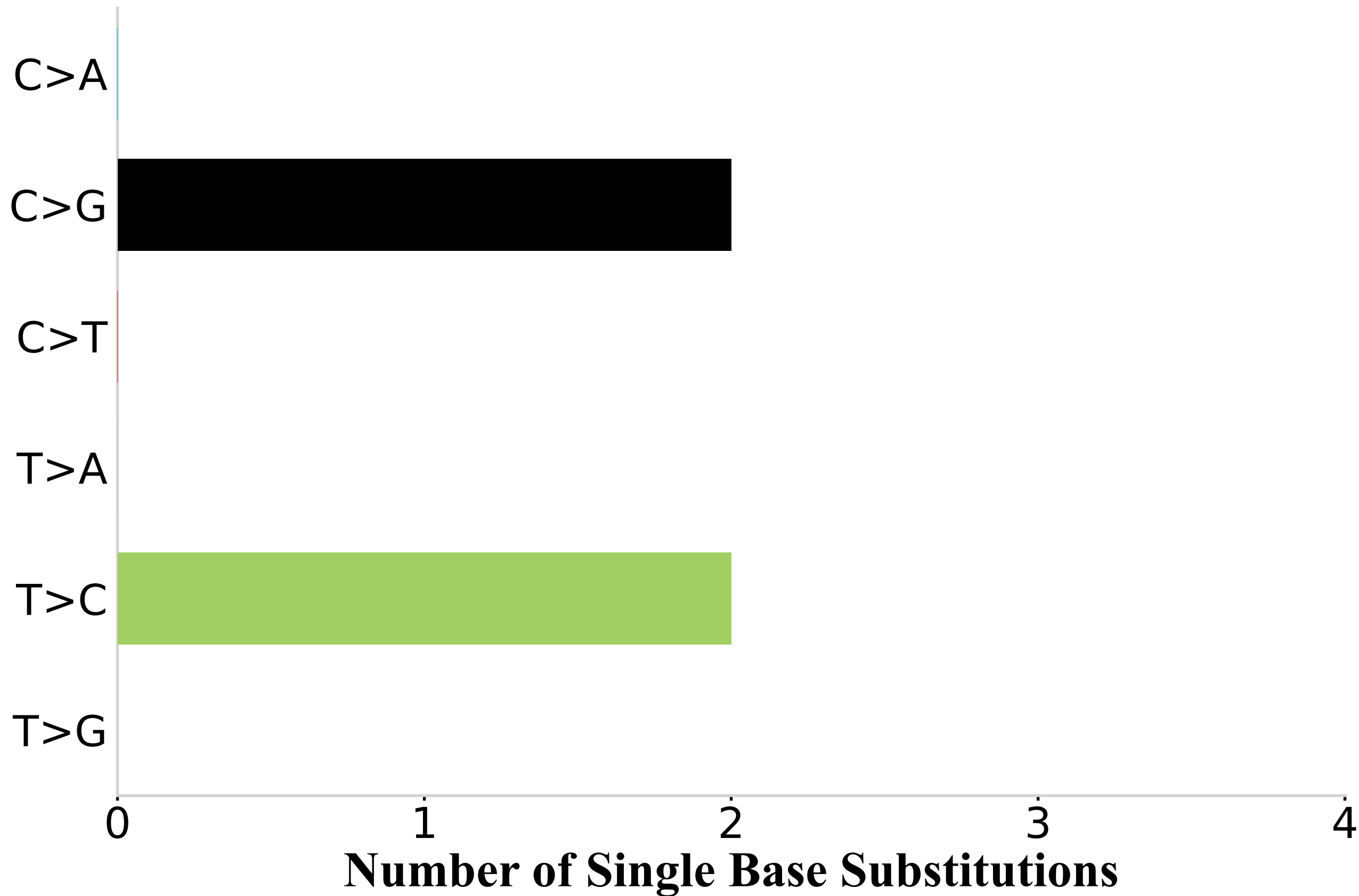
**P-0001757-T01-IM3: 2 subs**



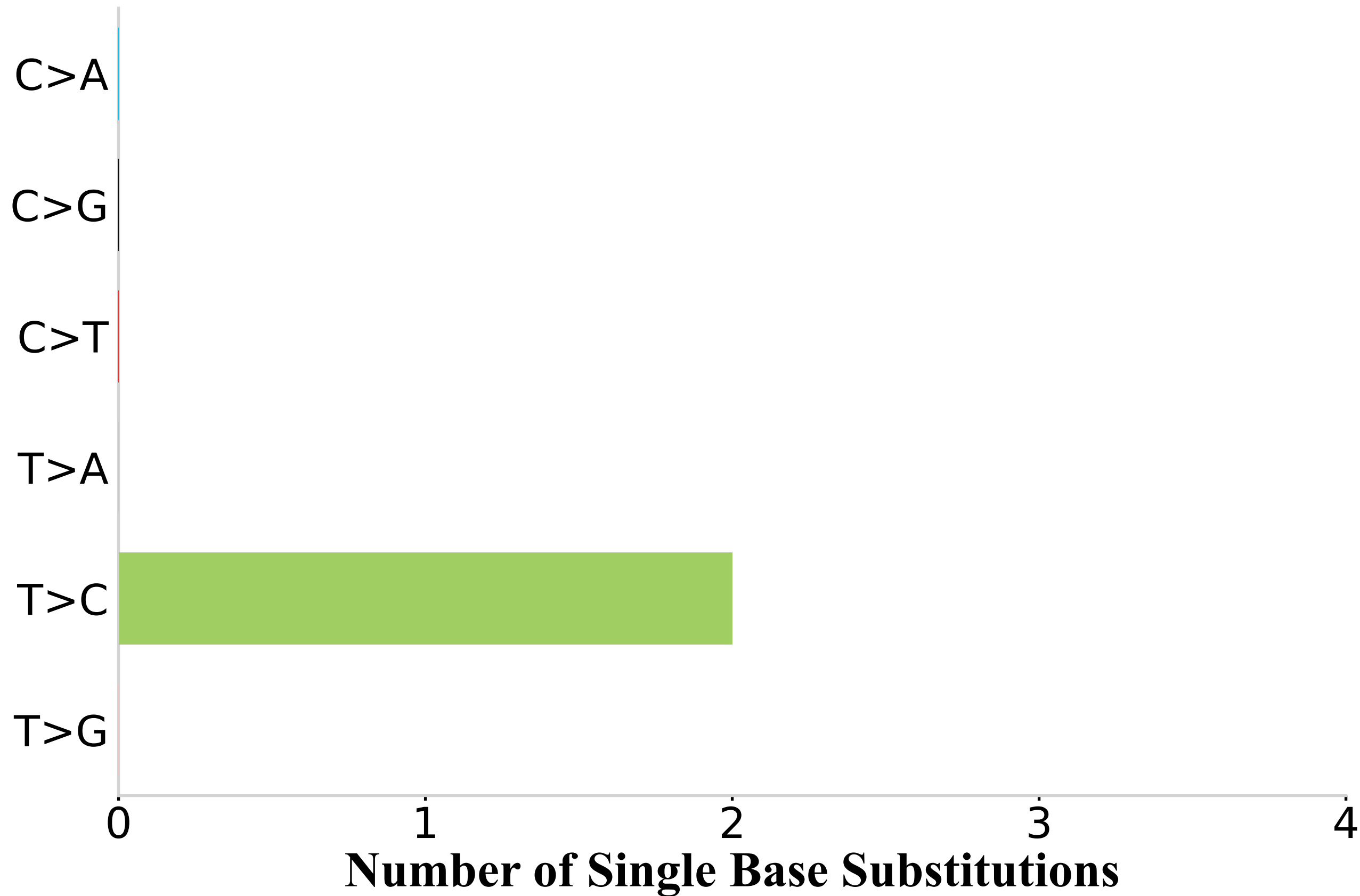
**P-0001860-T01-IM3: 5 subs**



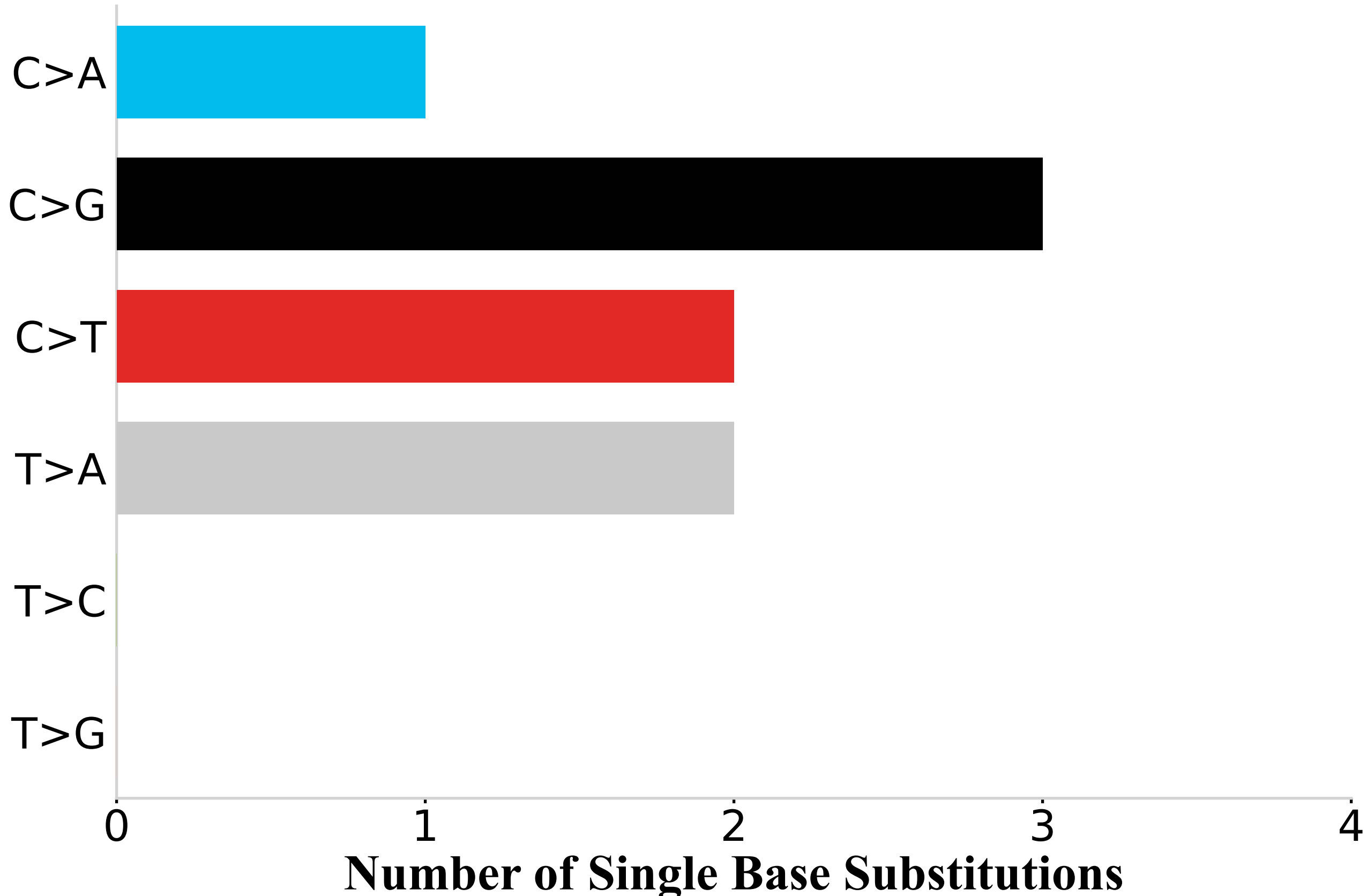
**P-0001883-T01-IM3: 4 subs**



**P-0002036-T01-IM3: 2 subs**



**P-0002435-T01-IM3: 8 subs**

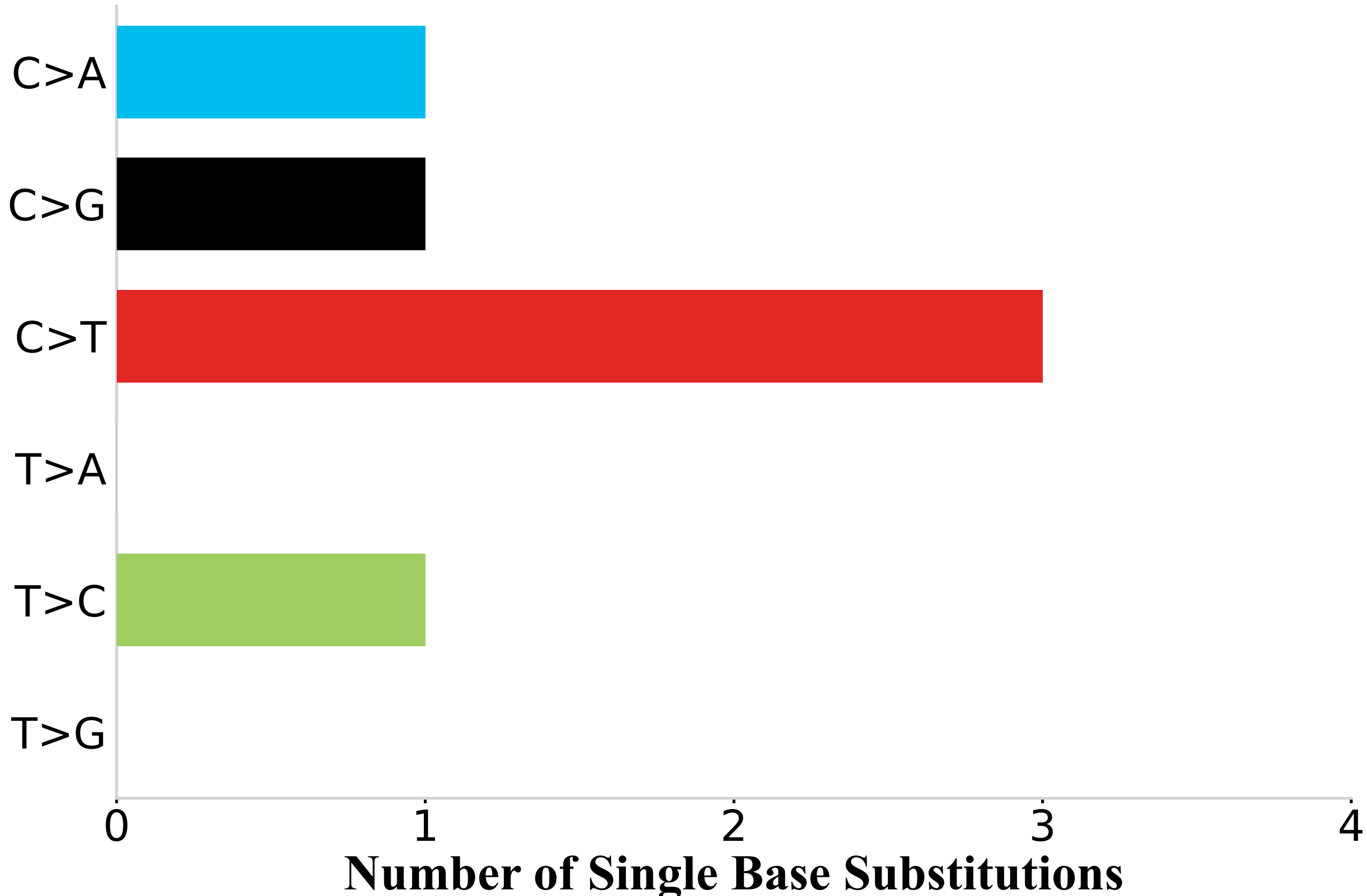




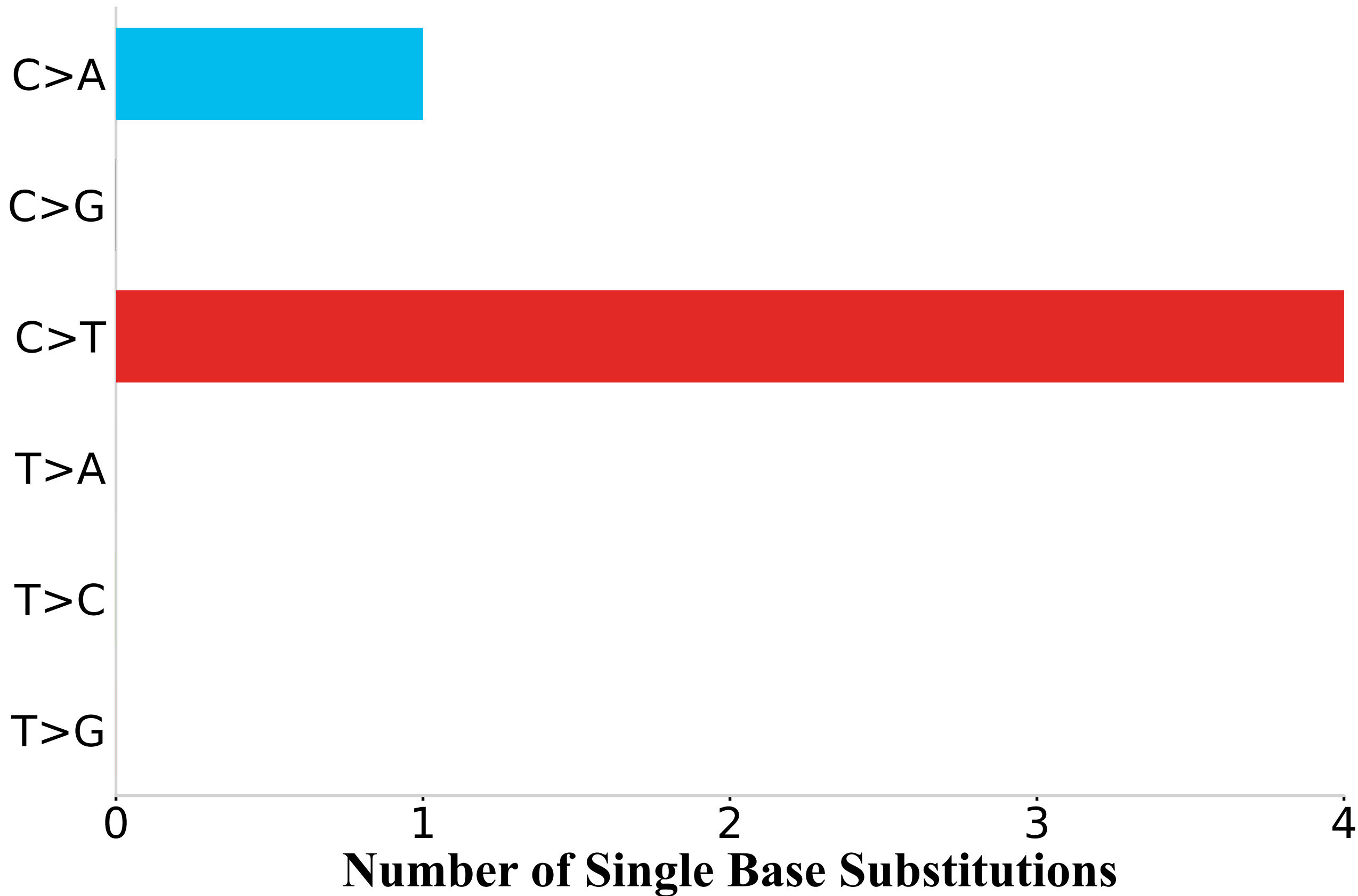
**P-0002789-T01-IM3: 1 subs**



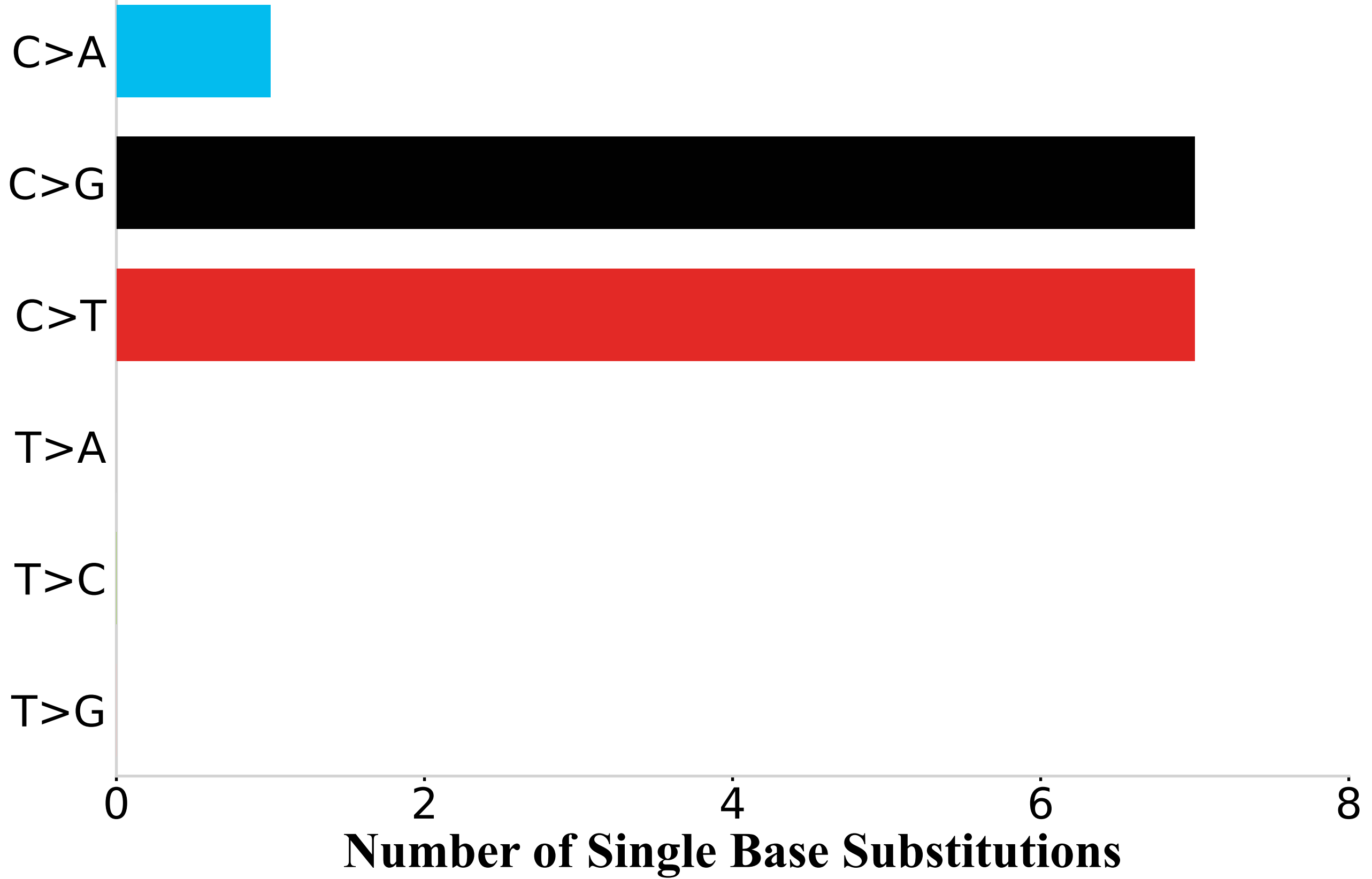
**P-0002848-T01-IM3: 6 subs**



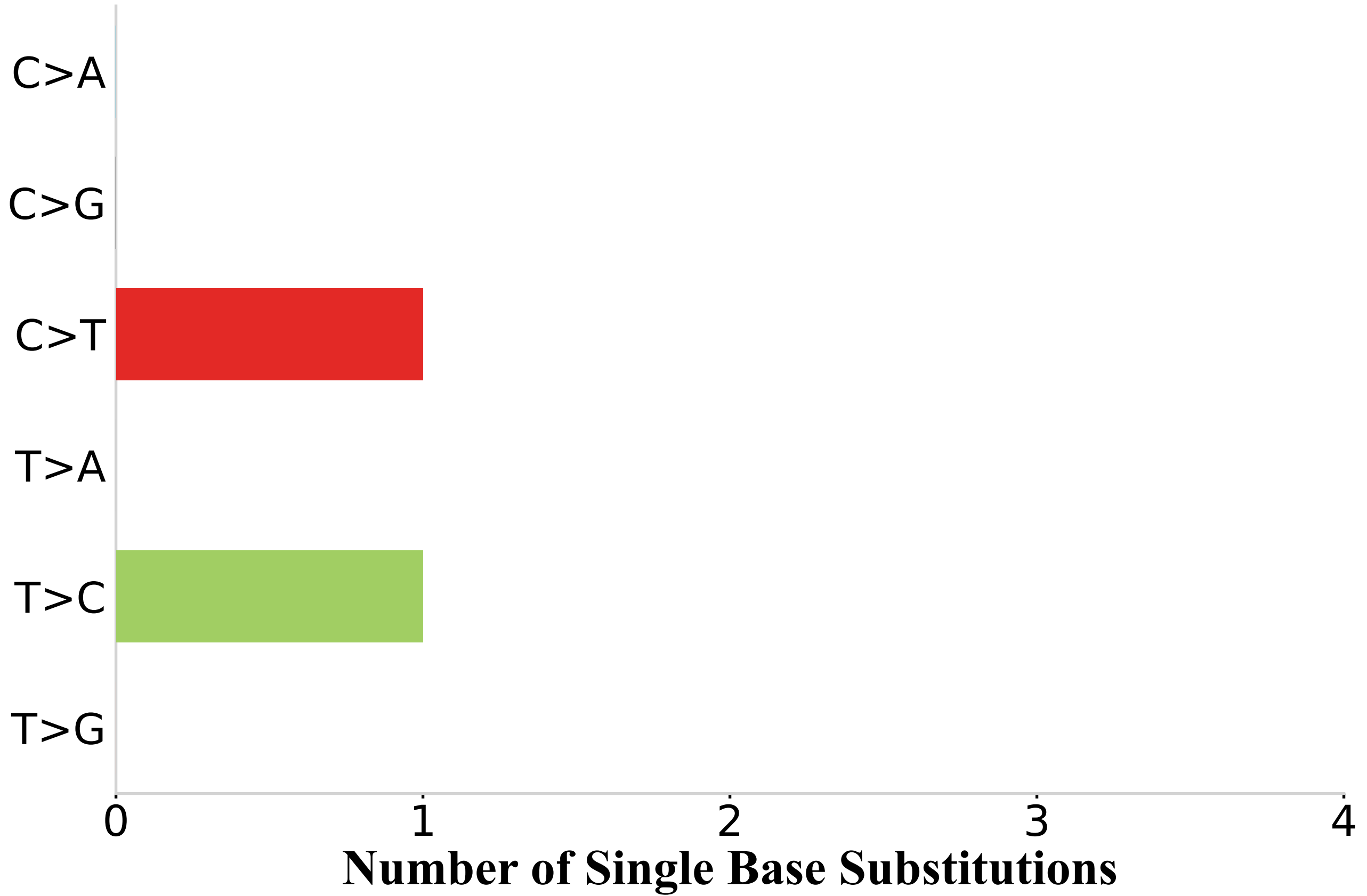
**P-0003198-T03-IM5: 5 subs**



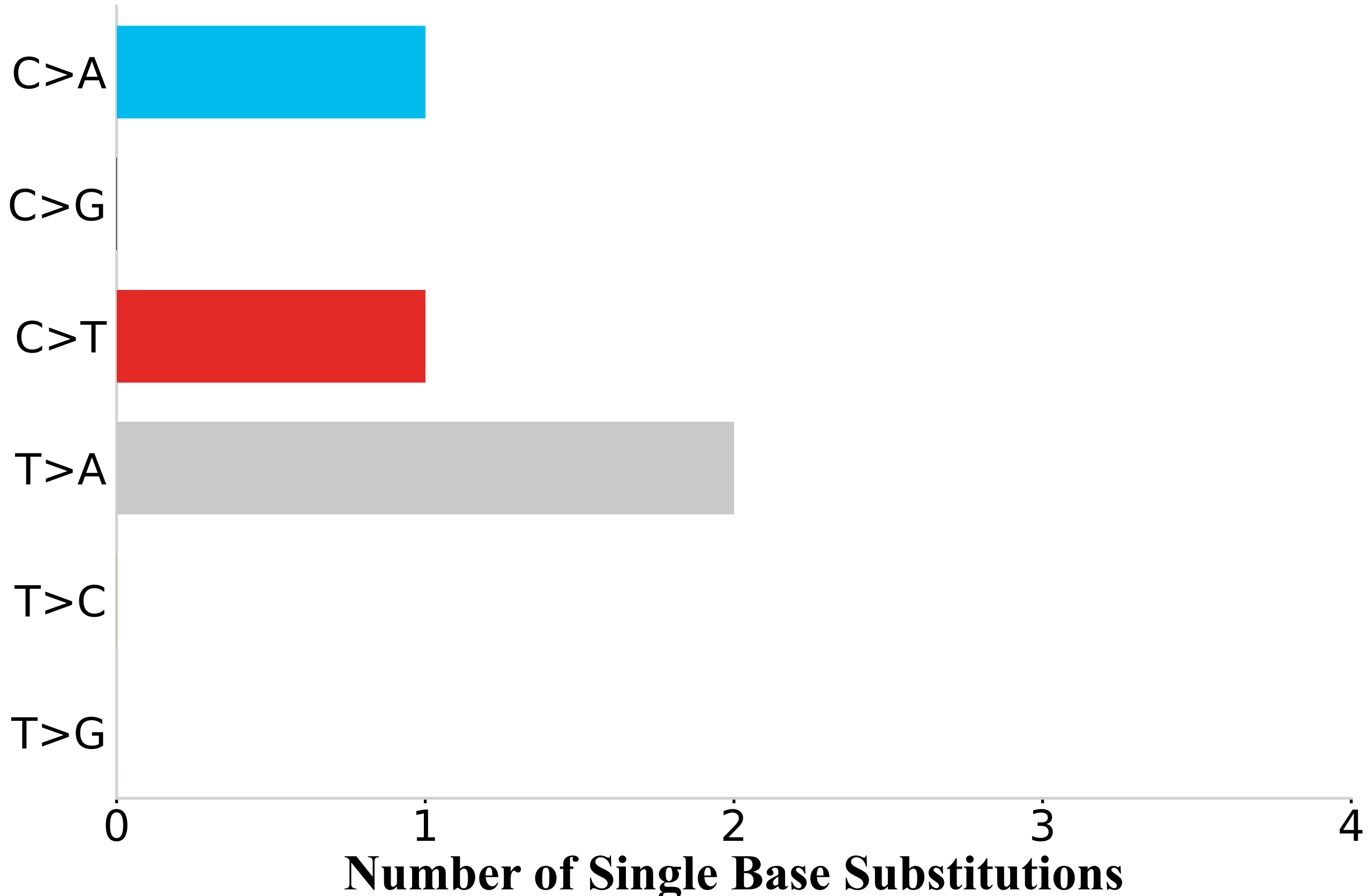
**P-0003353-T01-IM5: 15 subs**



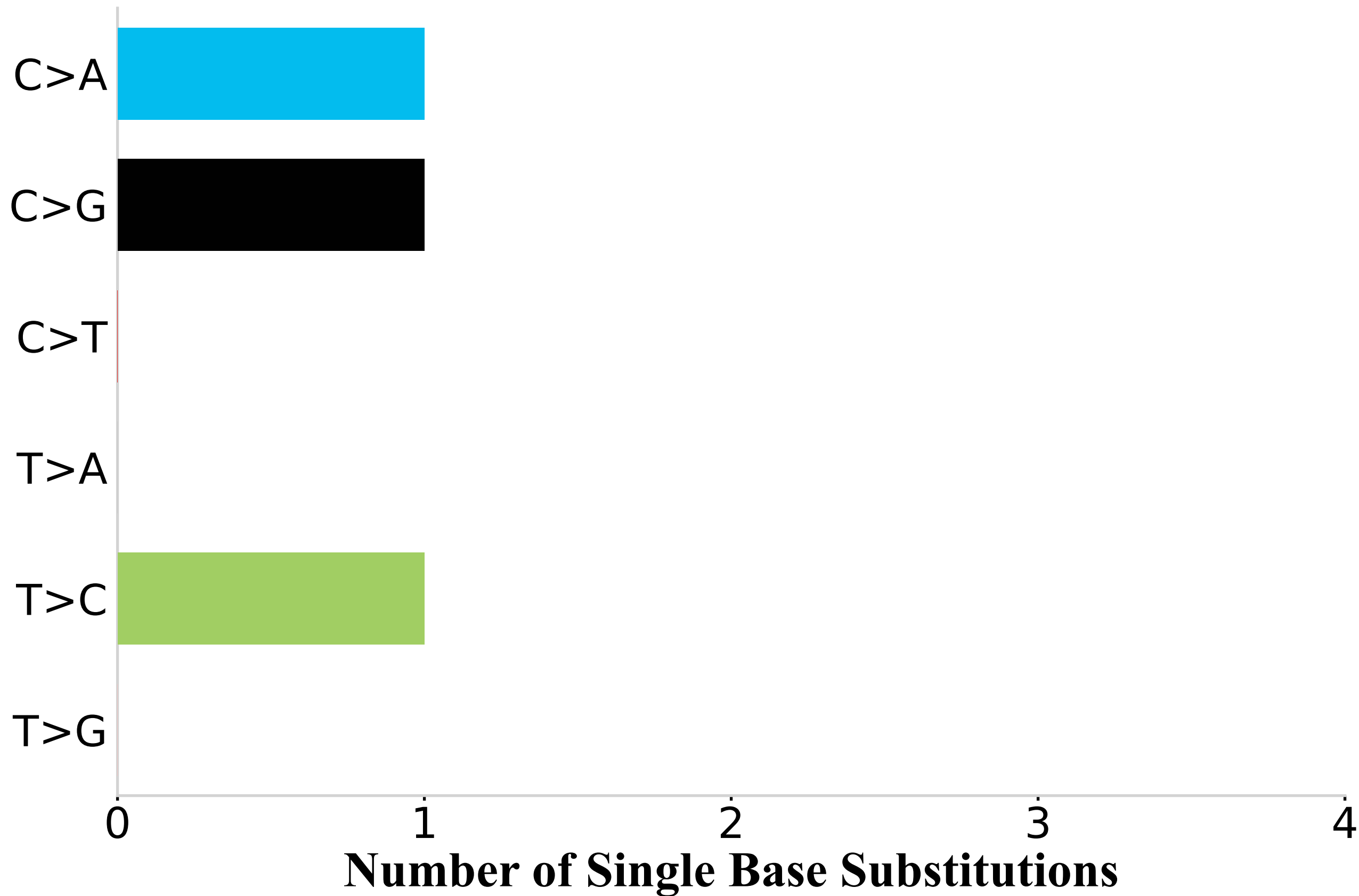
**P-0003624-T01-IM5: 2 subs**



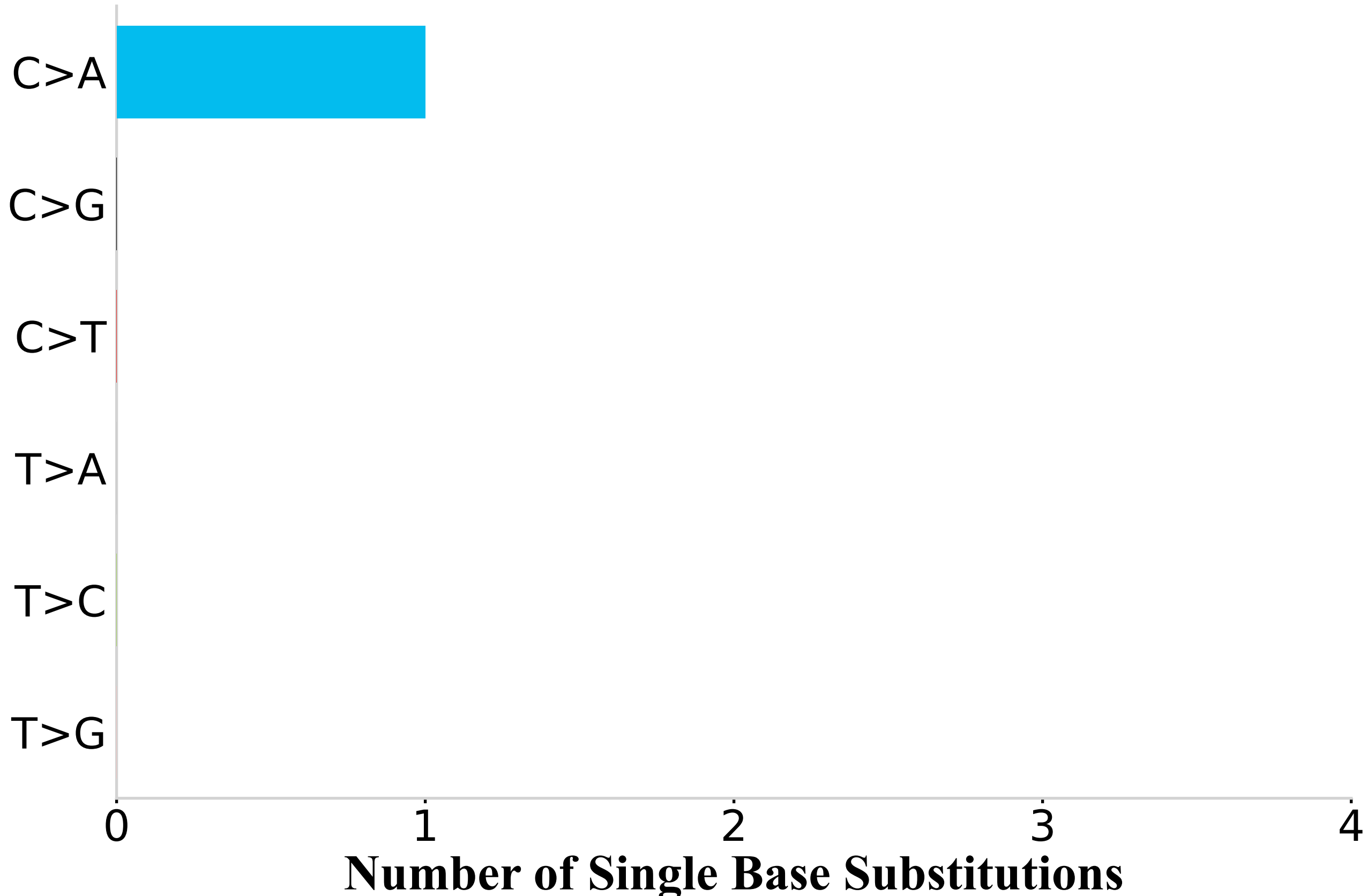
**P-0003940-T01-IM3: 4 subs**



**P-0004133-T01-IM5: 3 subs**

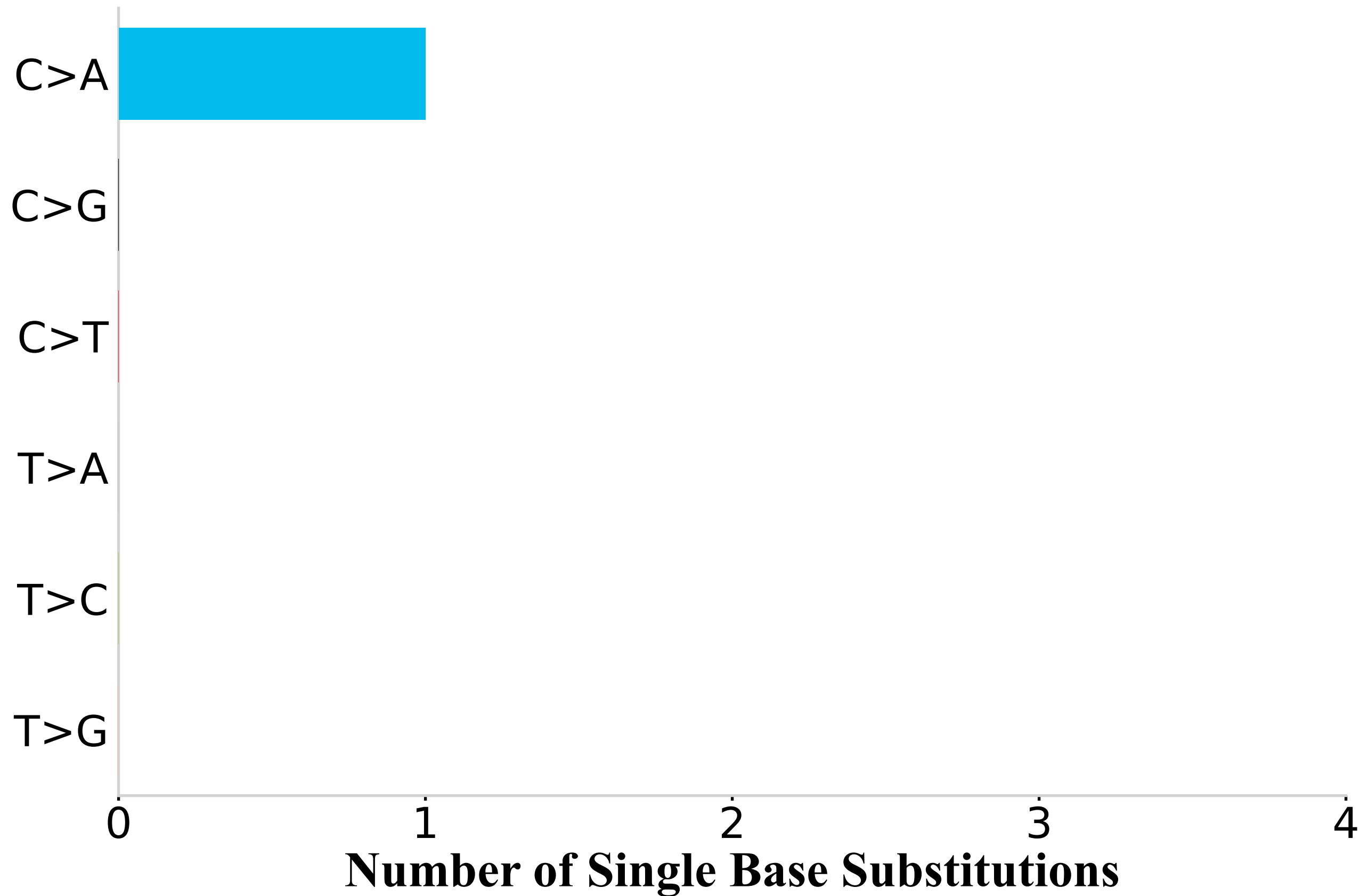


**P-0004160-T01-IM5: 1 subs**

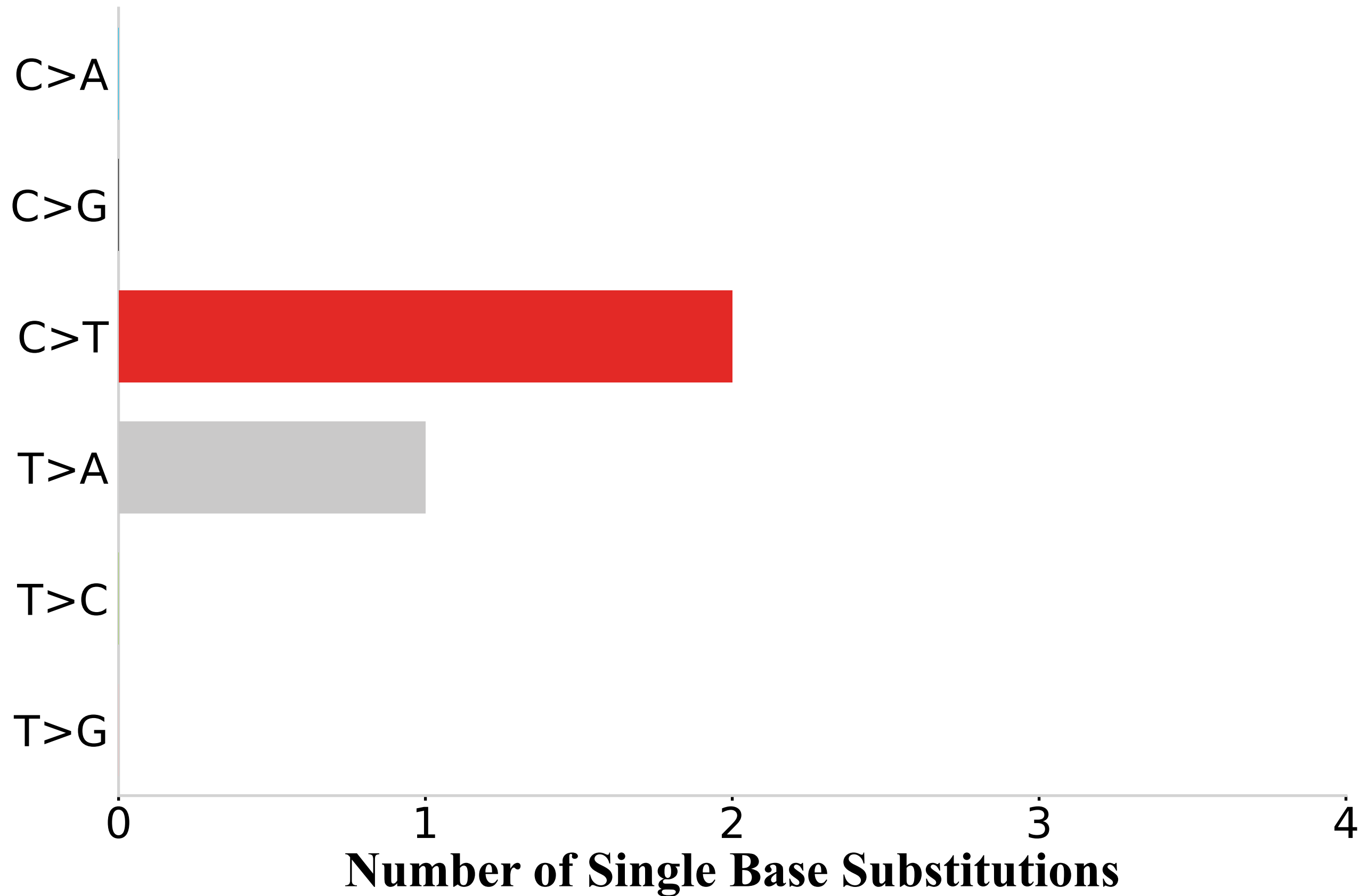




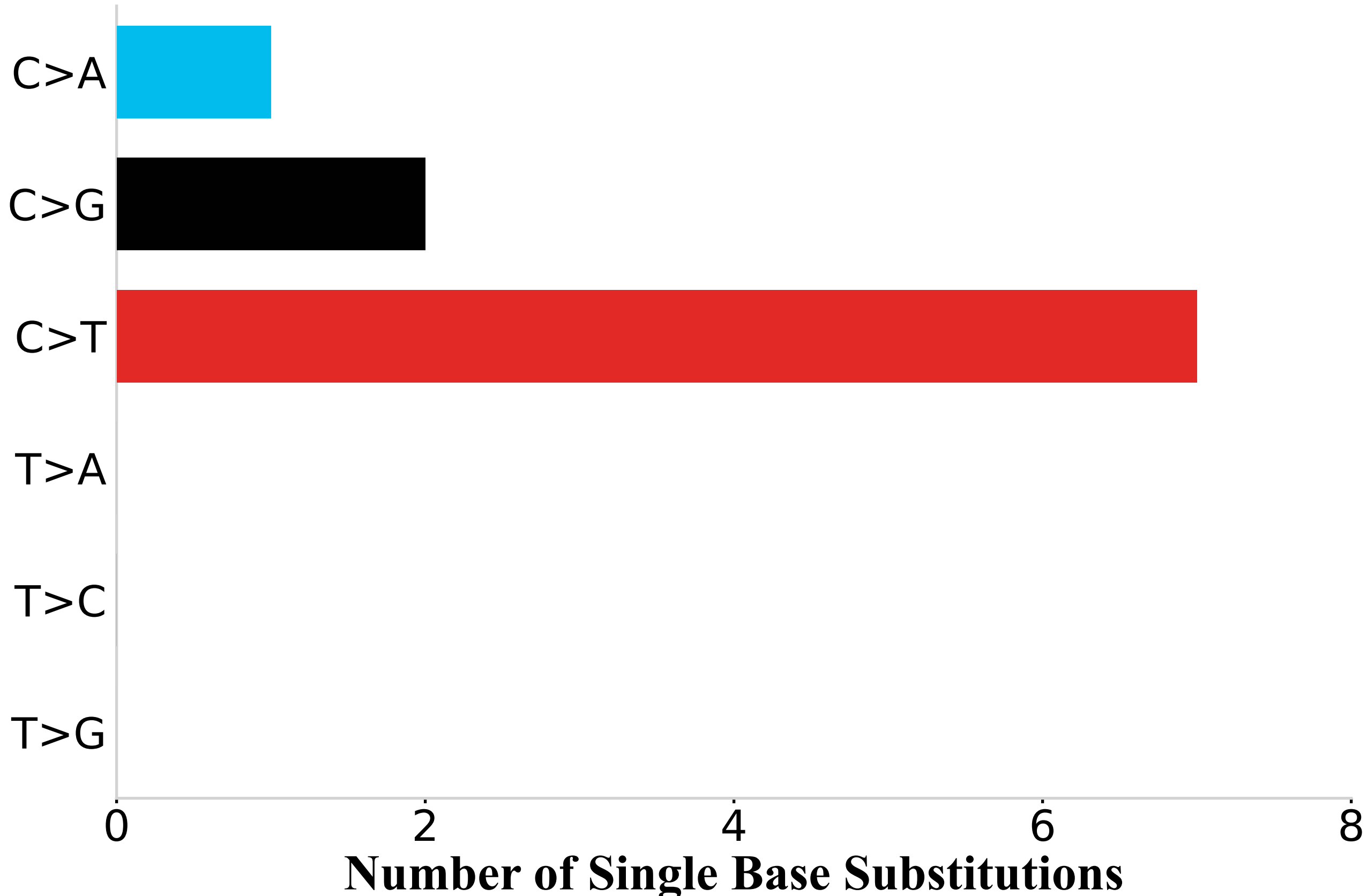
**P-0004210-T01-IM5: 1 subs**



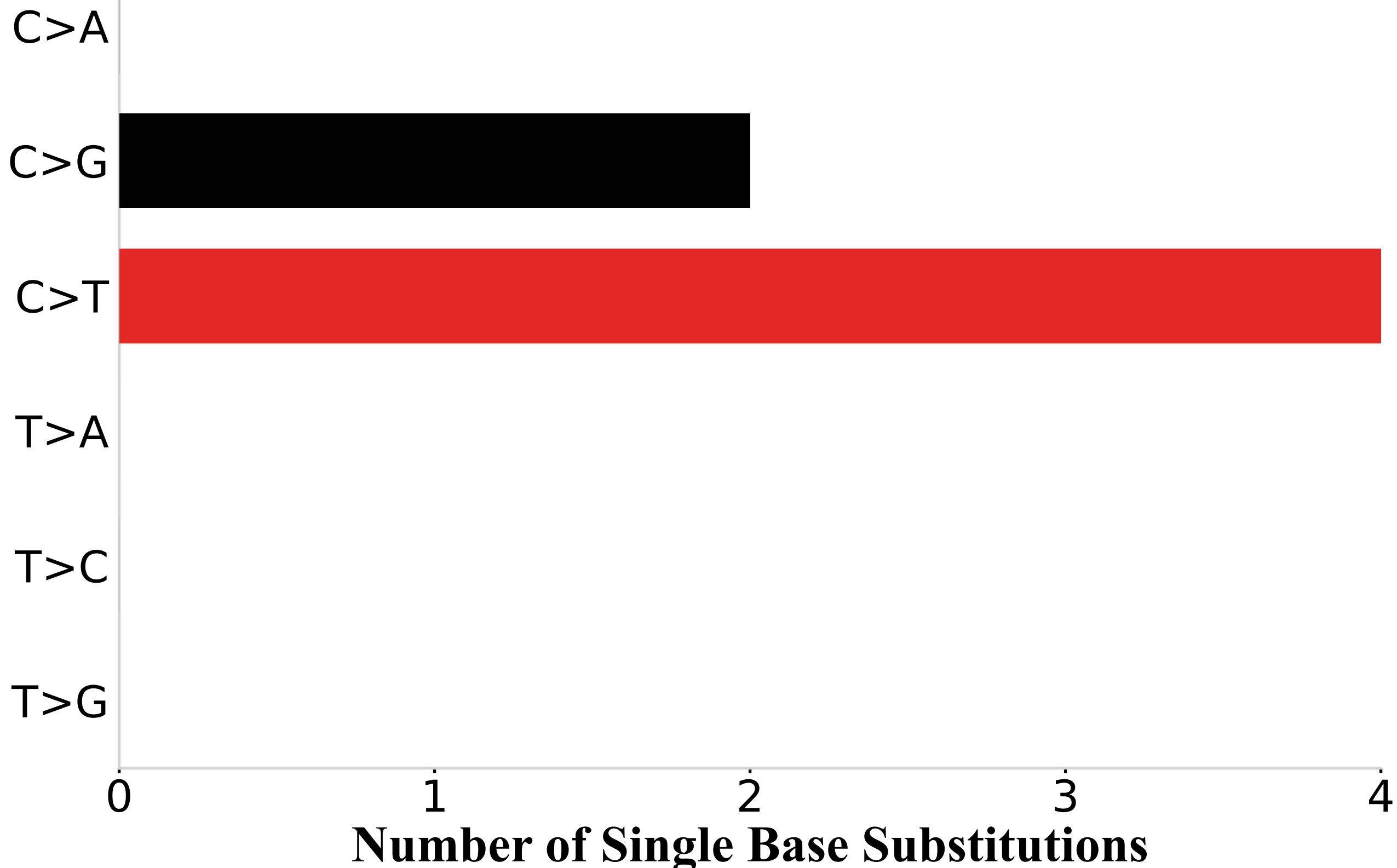
**P-0004466-T01-IM5: 3 subs**



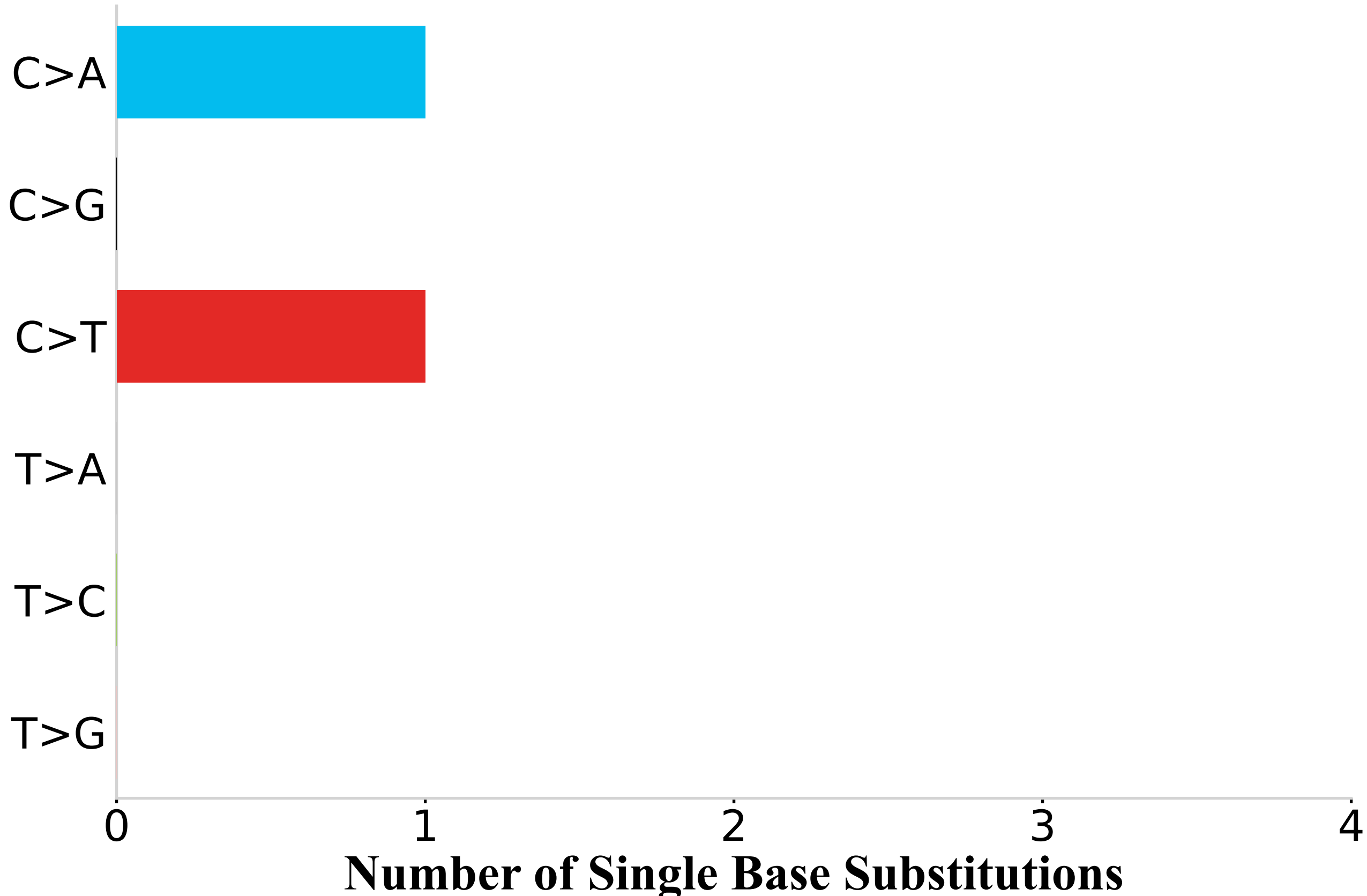
**P-0004681-T01-IM5: 10 subs**



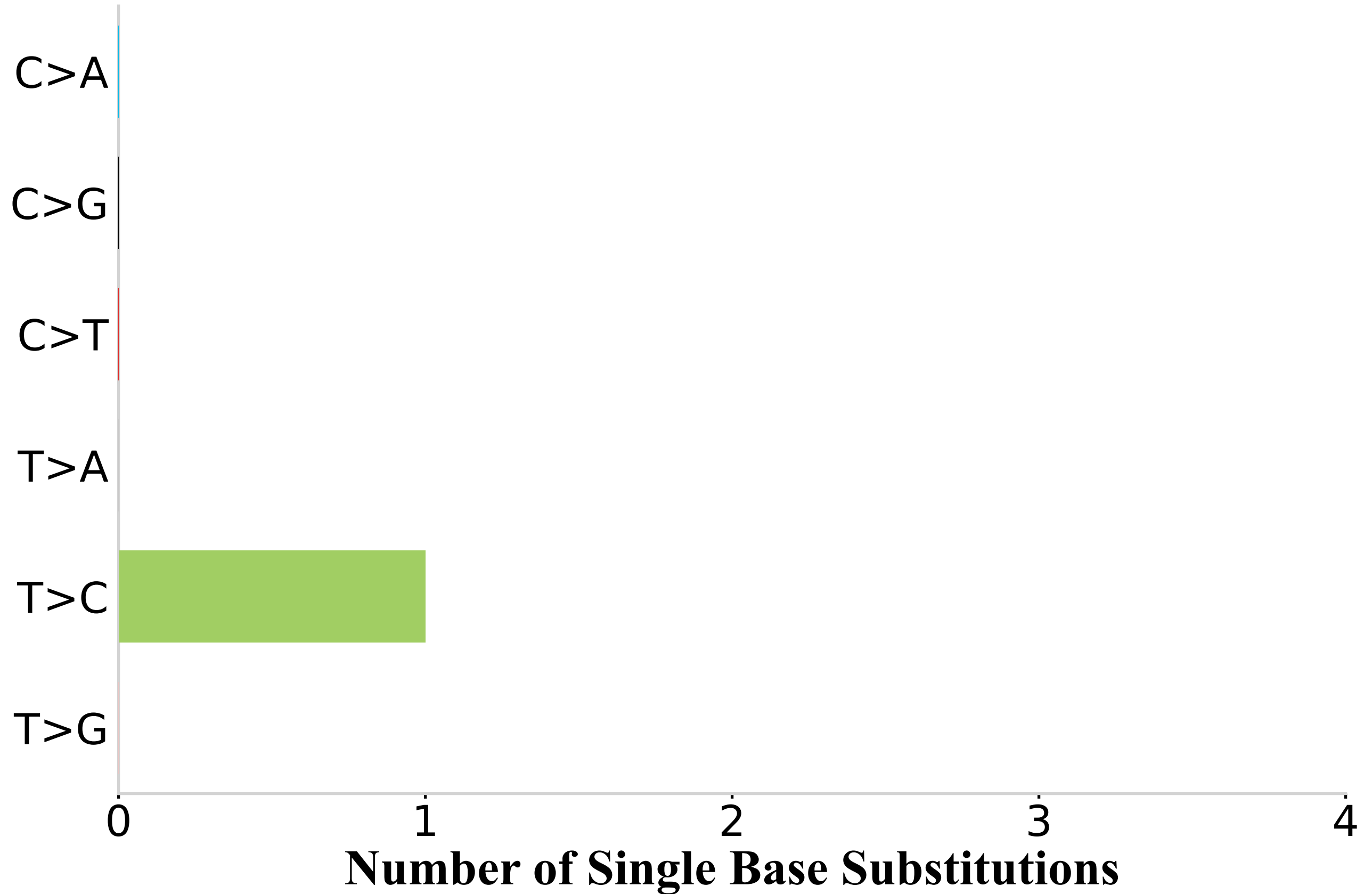
**P-0004921-T01-IM5: 6 subs**



**P-0004965-T01-IM5: 2 subs**



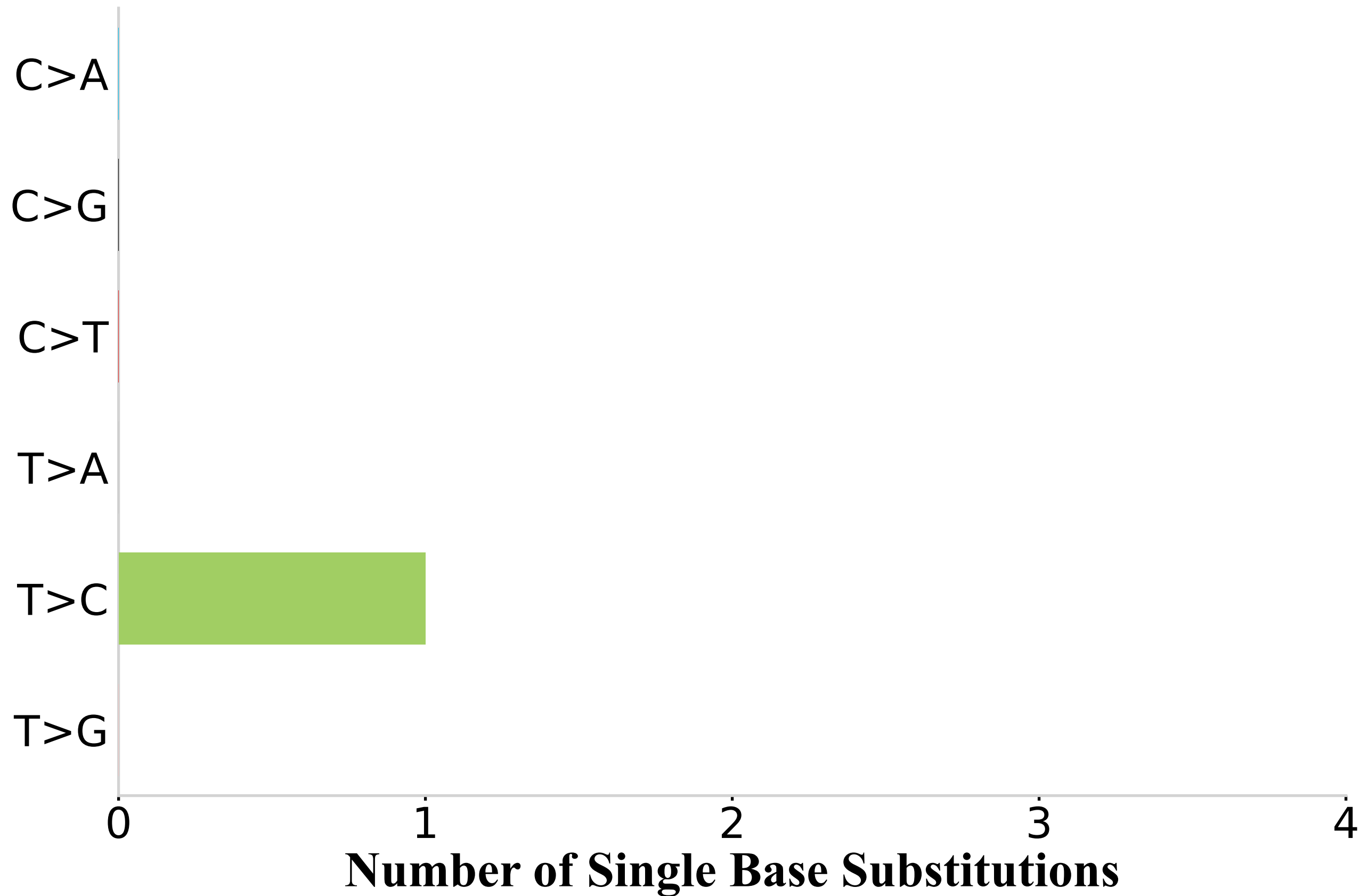
**P-0004980-T01-IM5: 1 subs**



**P-0005010-T01-IM5: 3 subs**

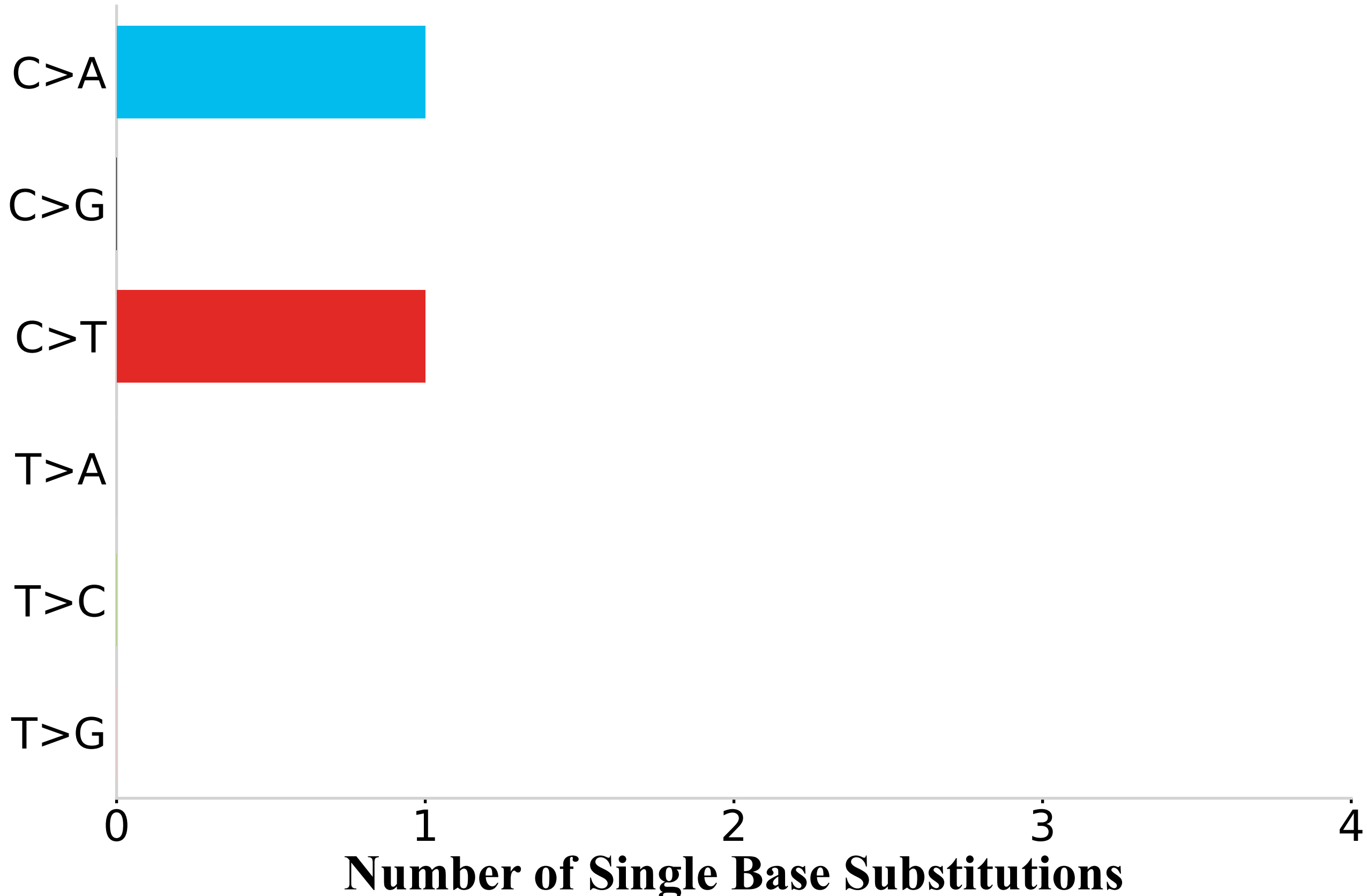


**P-0005079-T01-IM5: 1 subs**

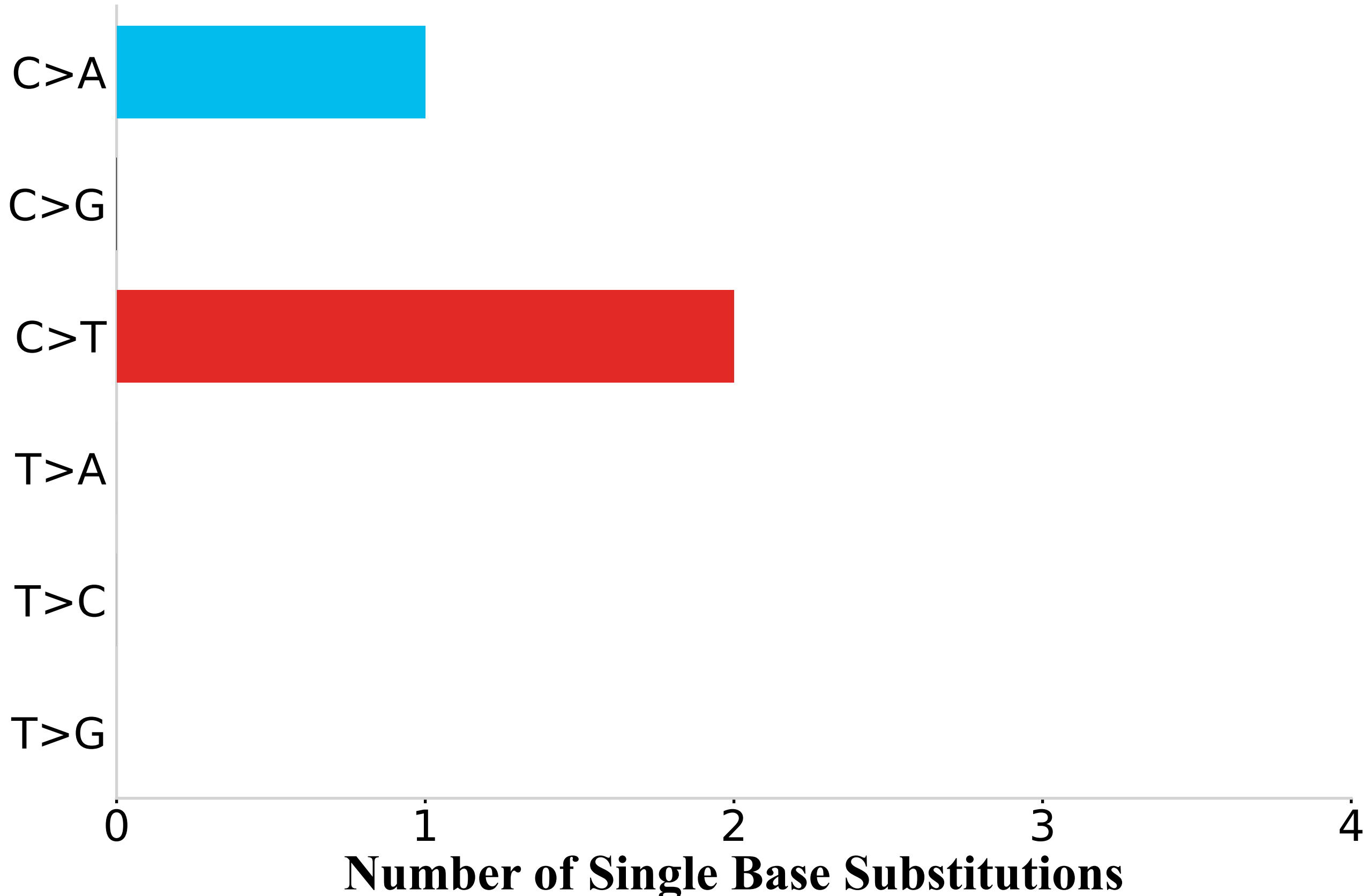




**P-0005205-T01-IM5: 2 subs**



**P-0005221-T01-IM5: 3 subs**



**P-0005273-T01-IM5: 0 subs**

C>A

C>G

C>T

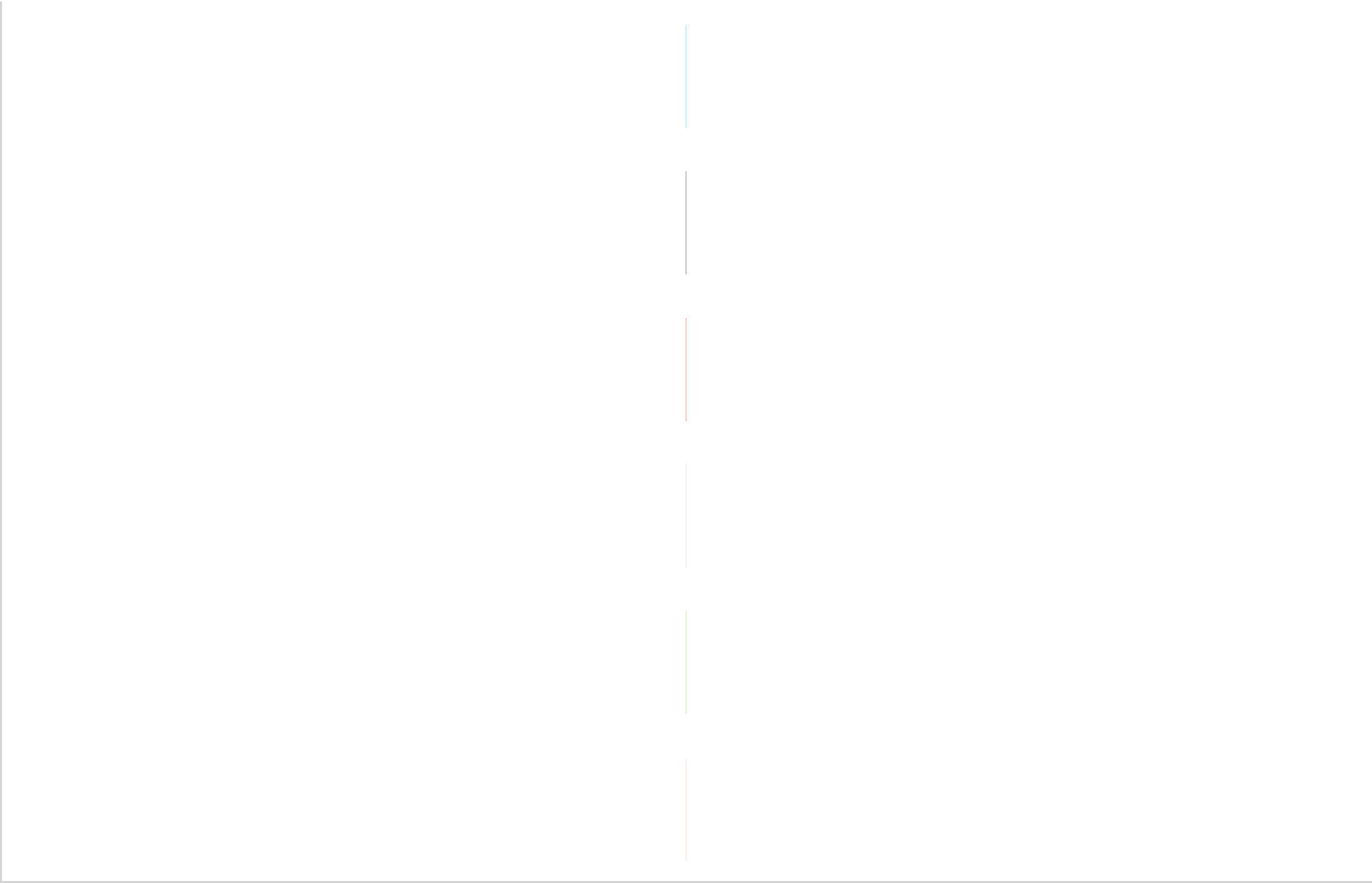
T>A

T>C

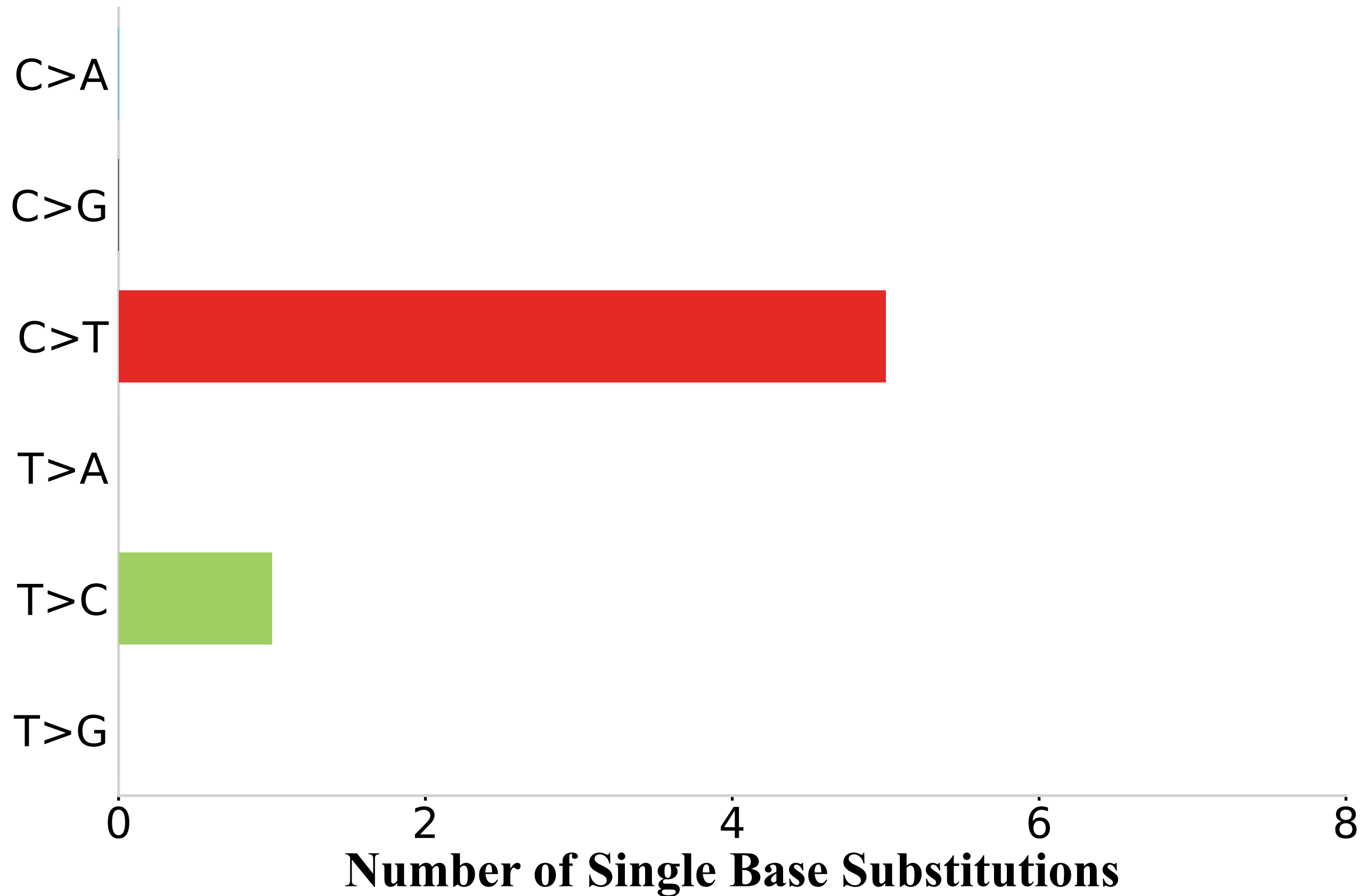
T>G

0

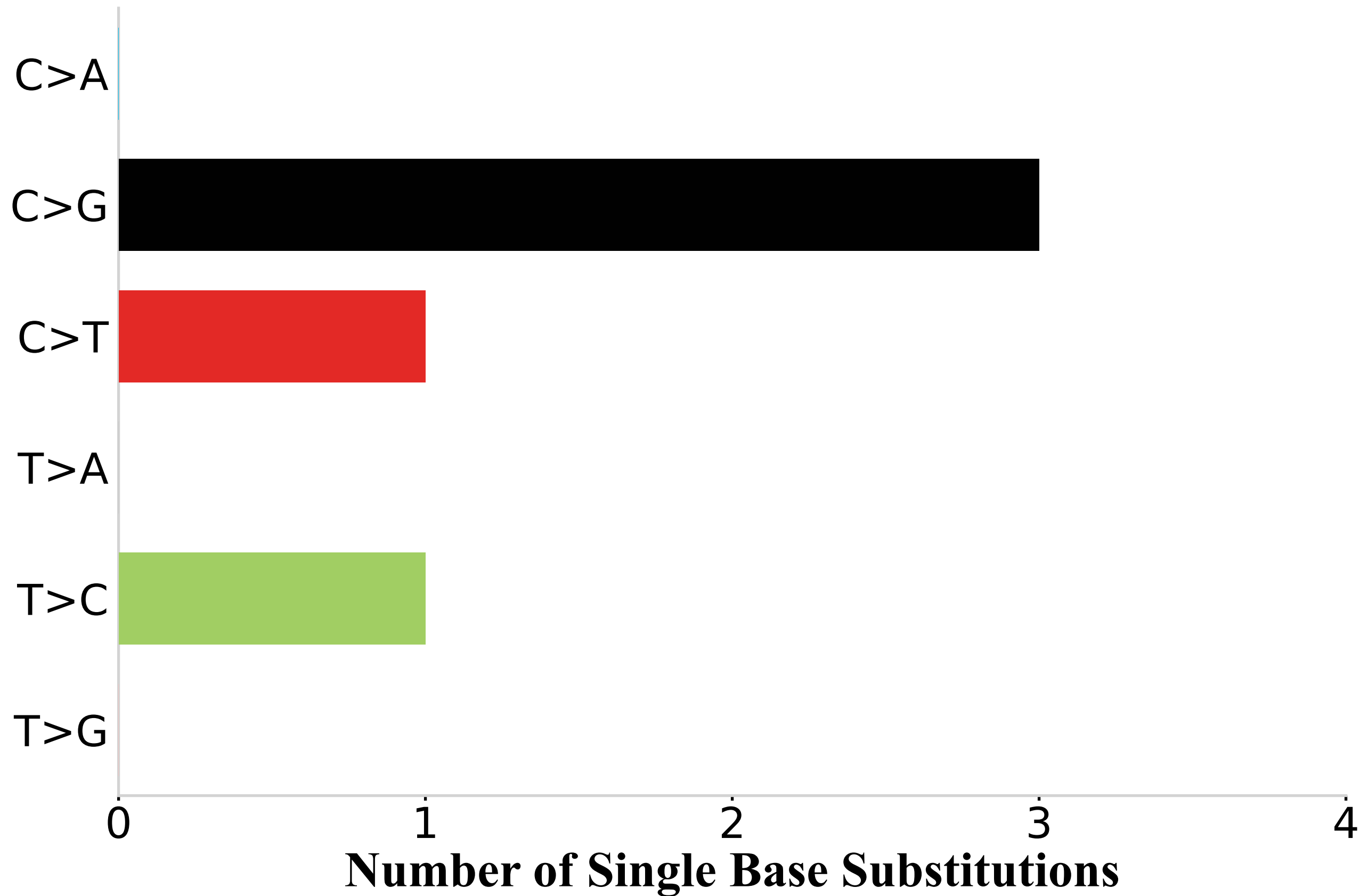
**Number of Single Base Substitutions**



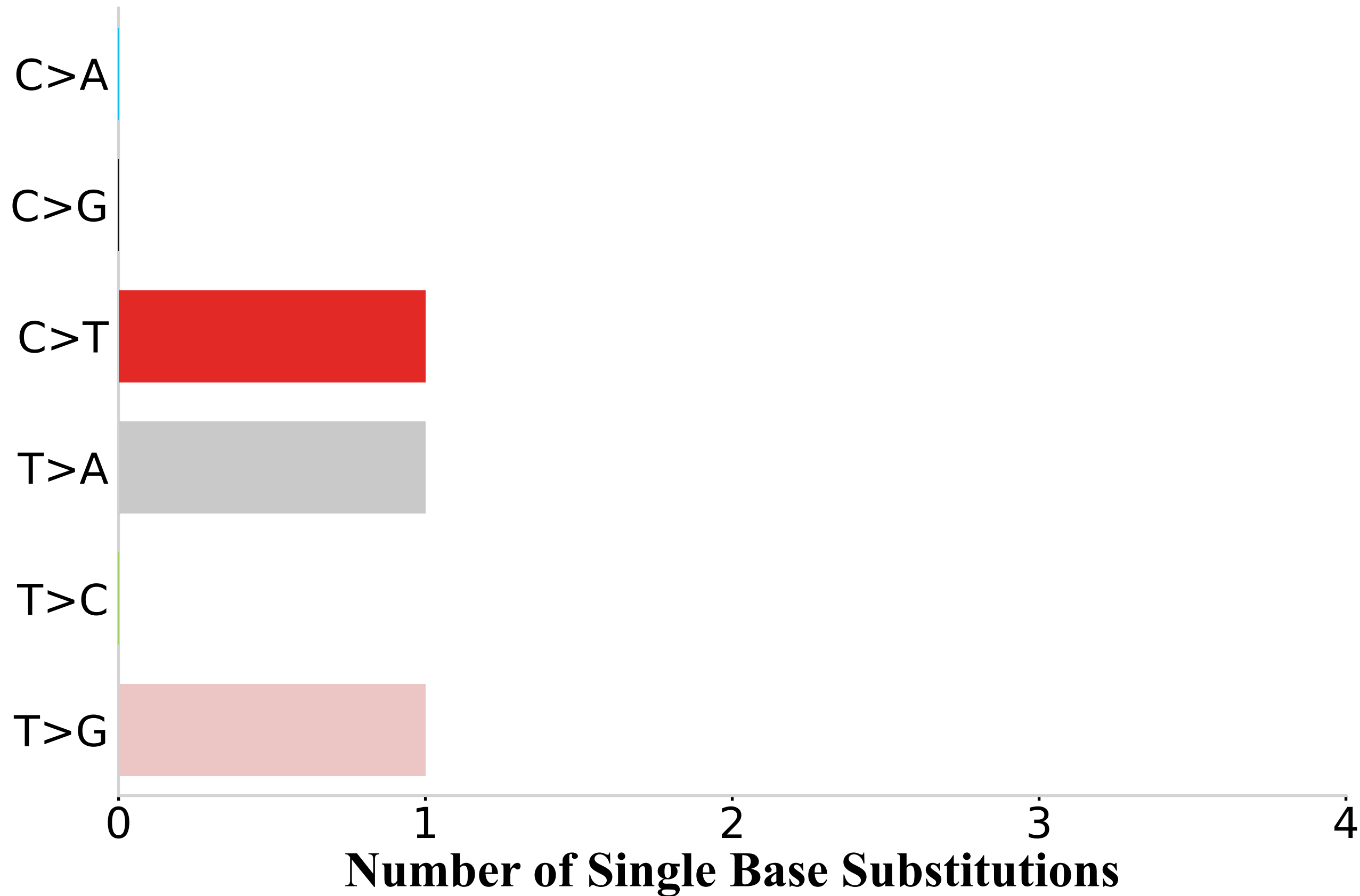
**P-0006455-T01-IM5: 6 subs**



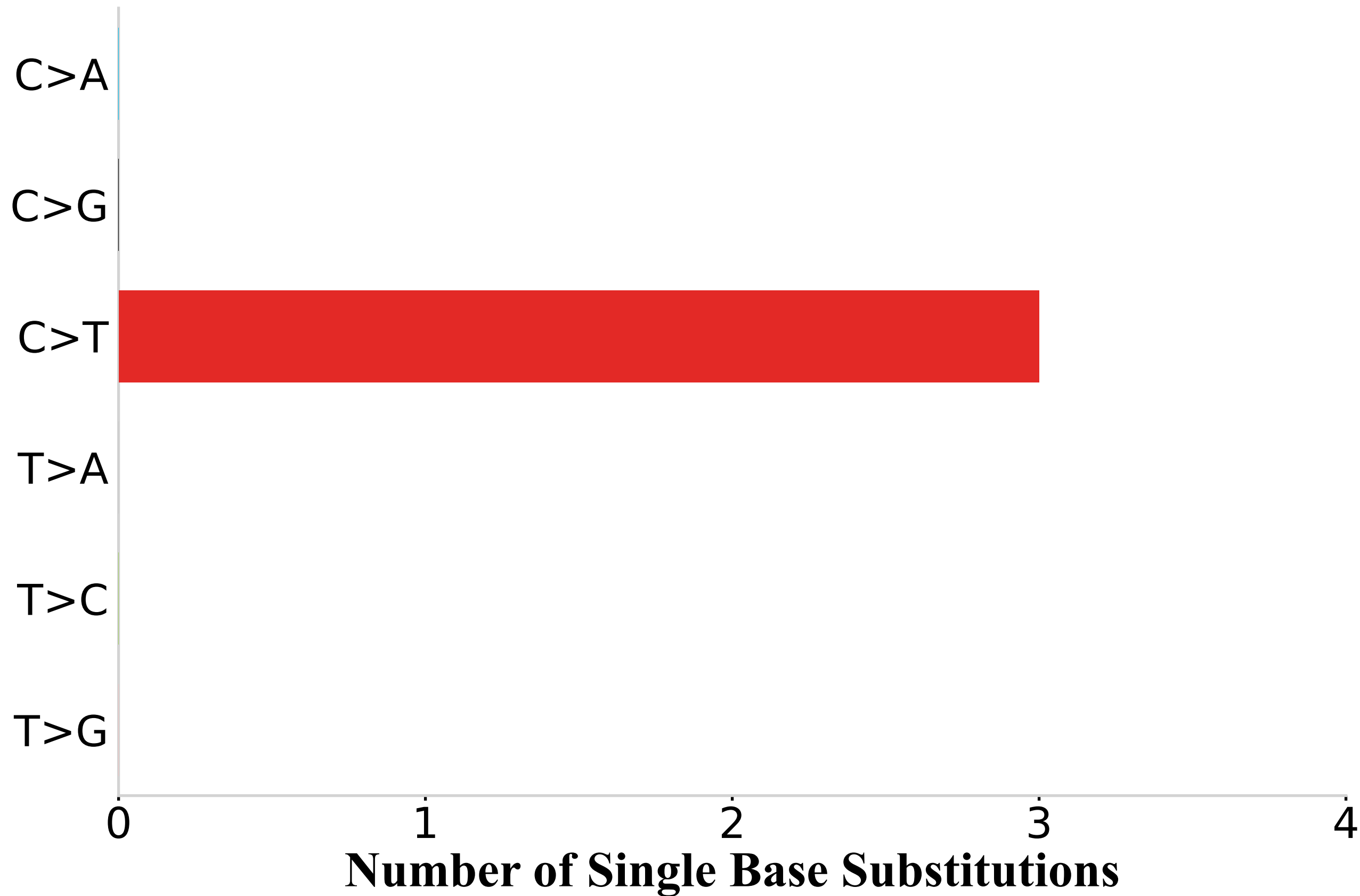
# P-0006458-T01-IM5: 5 subs



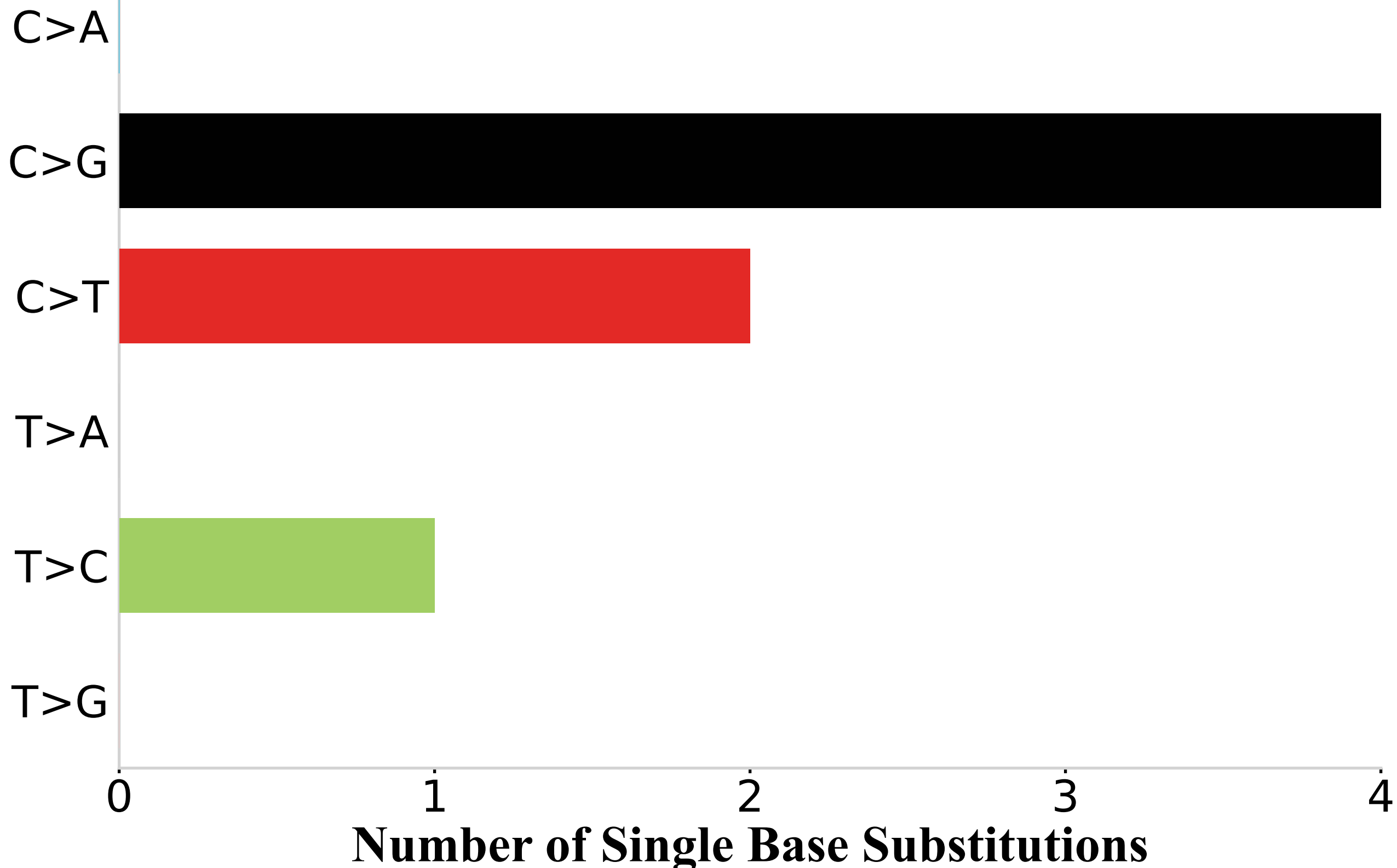
**P-0006668-T01-IM5: 3 subs**



**P-0006698-T03-IM5: 3 subs**



**P-0007093-T01-IM5: 7 subs**





**P-0007127-T01-IM5: 3 subs**

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C>G

C>T

T>A

T>C

T>G

0

1

2

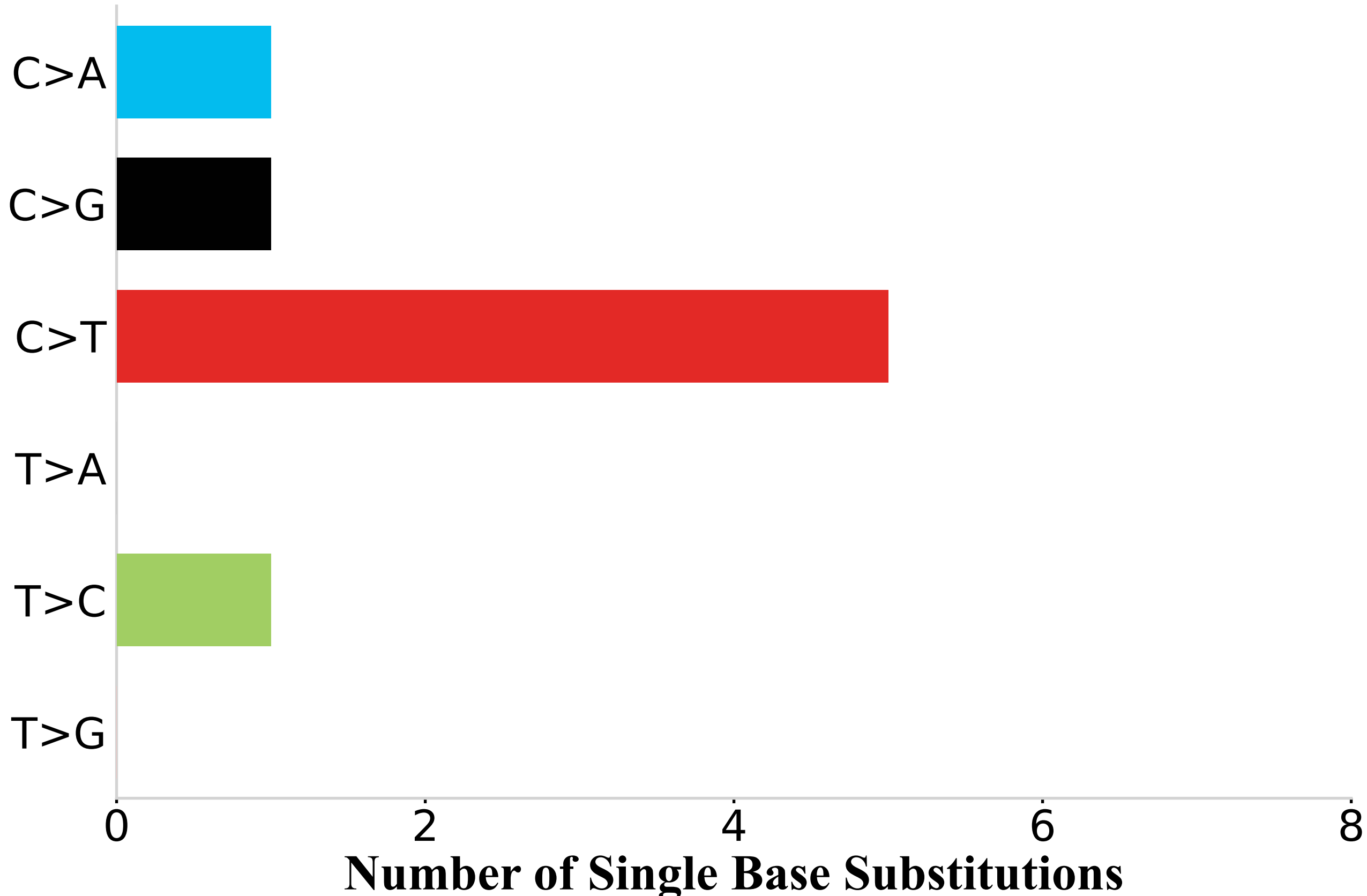
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4

**Number of Single Base Substitutions**



**P-0007497-T01-IM5: 8 subs**



**P-0007808-T01-IM5: 4 subs**

C>A

C>G

C>T

T>A

T>C

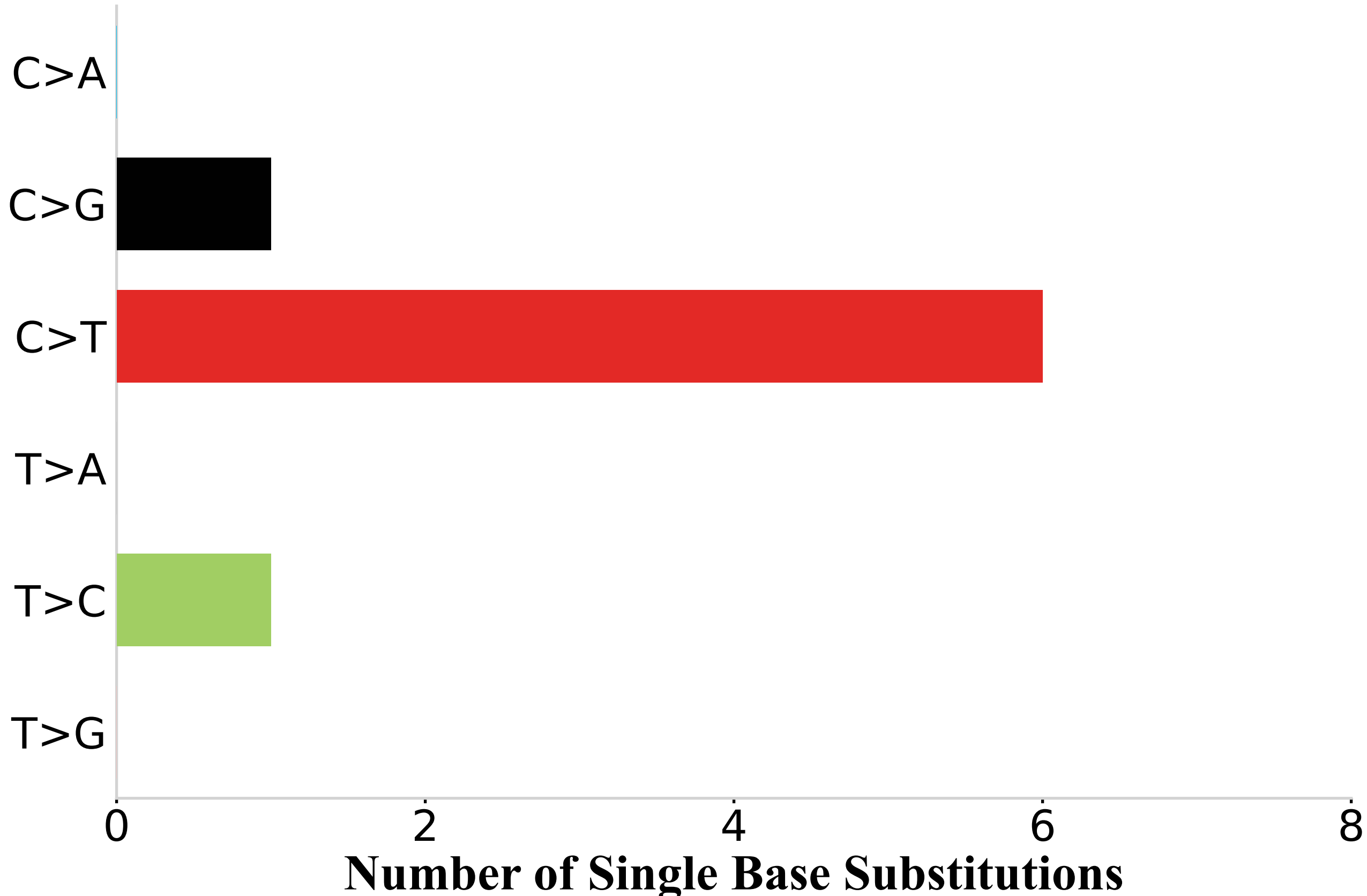
T>G

0 1 2 3 4

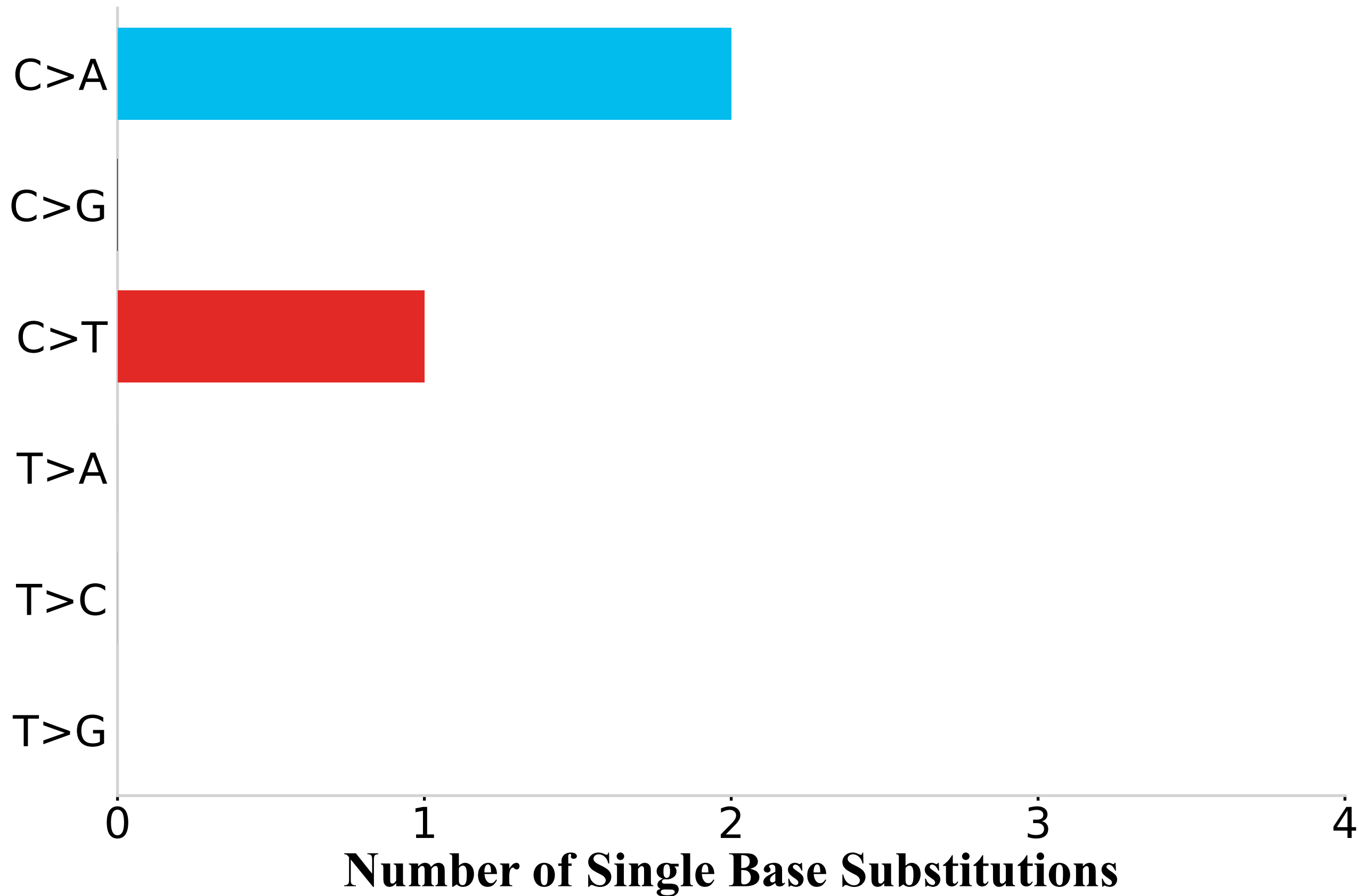
**Number of Single Base Substitutions**



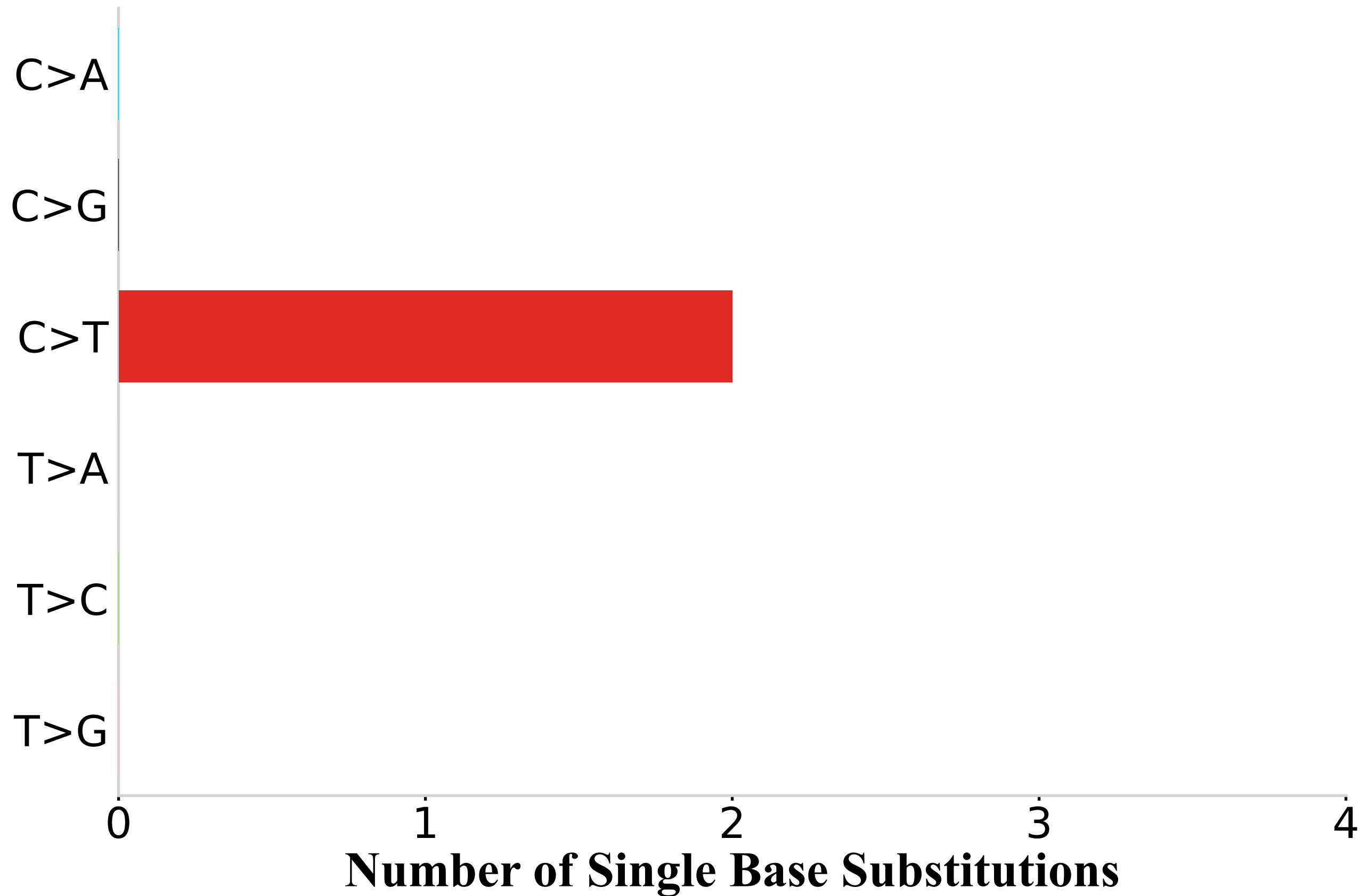
**P-0008482-T01-IM5: 8 subs**



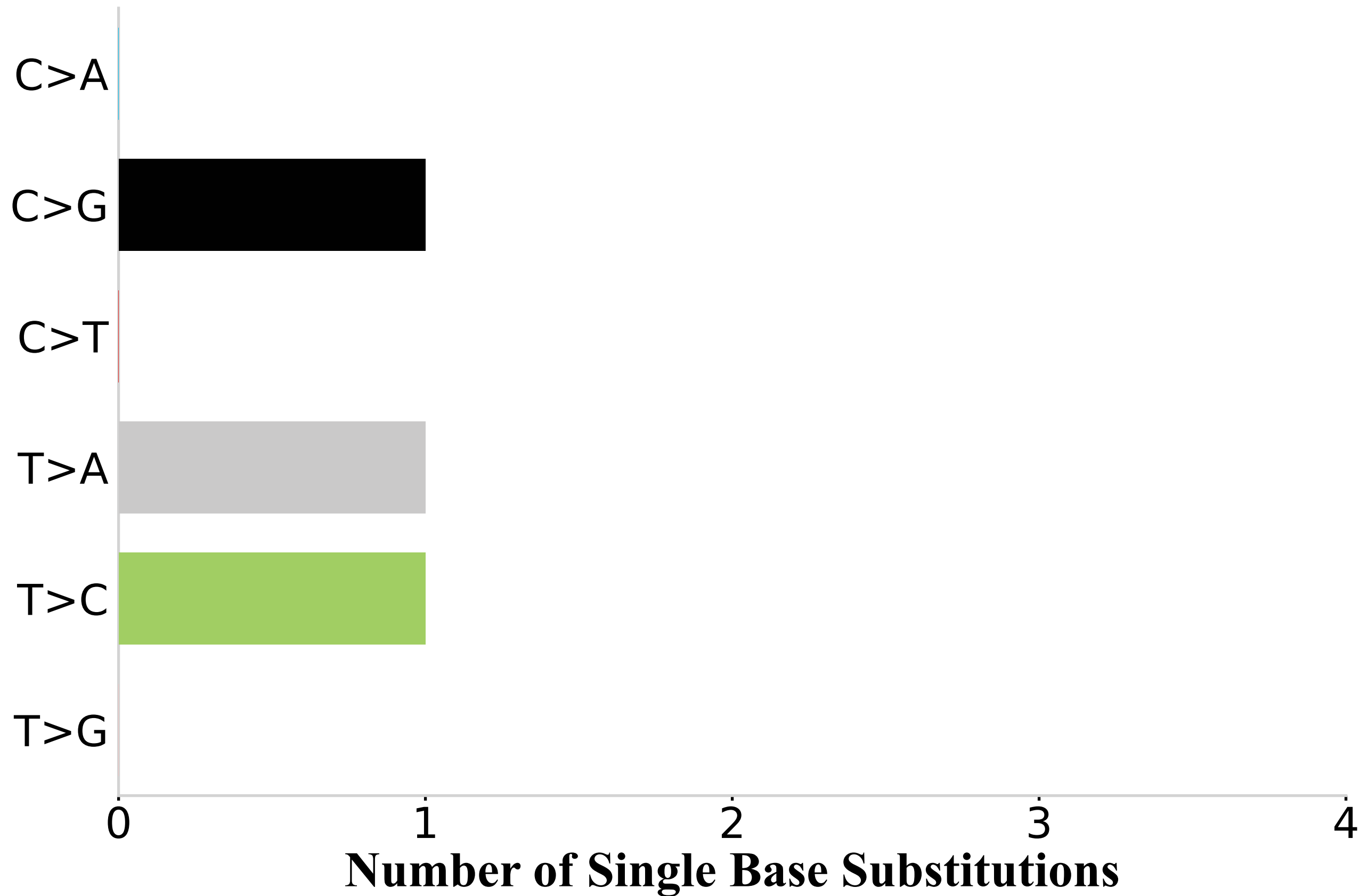
**P-0008839-T02-IM6: 3 subs**



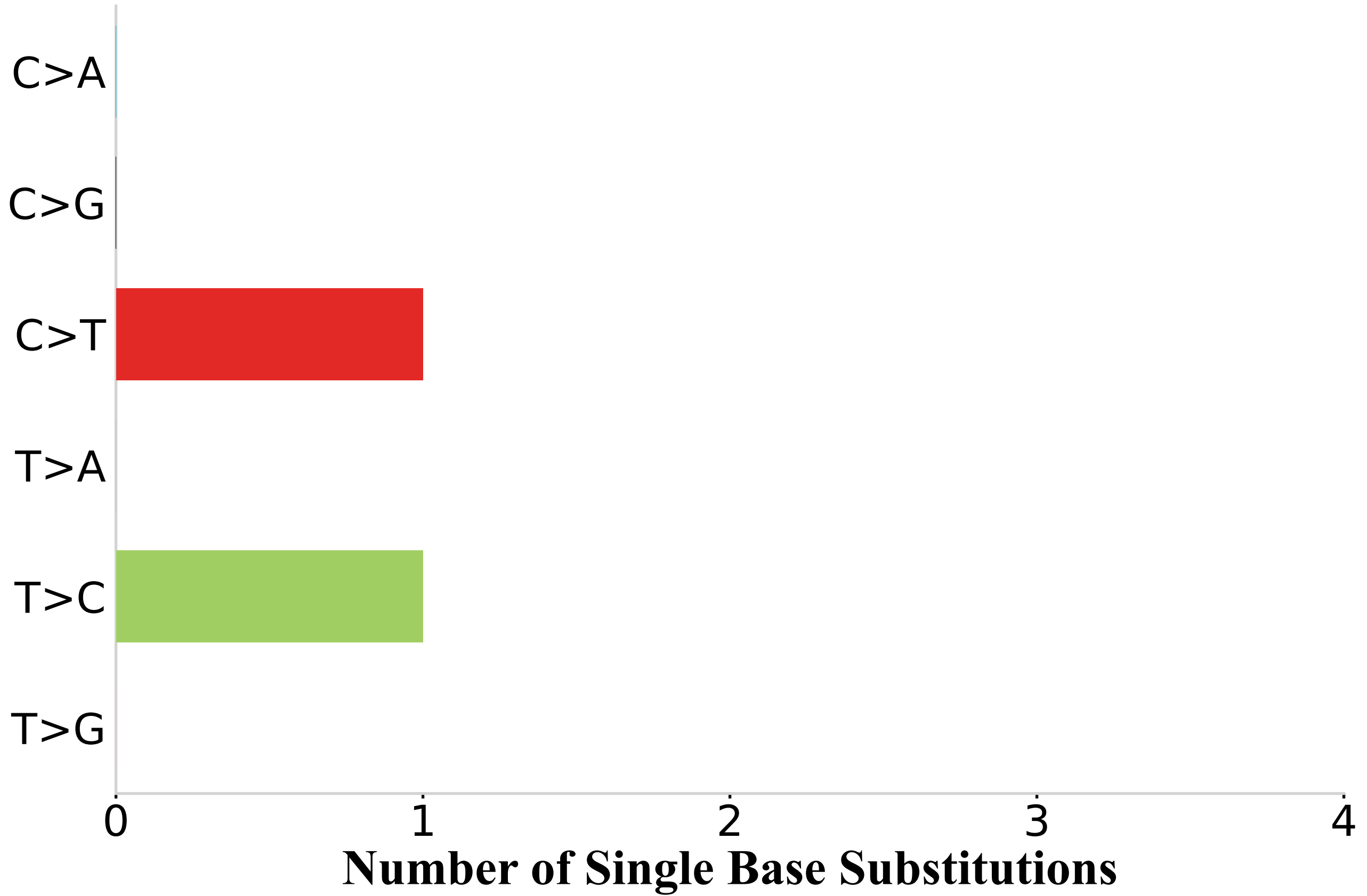
**P-0009014-T03-IM6: 2 subs**



**P-0009834-T01-IM5: 3 subs**

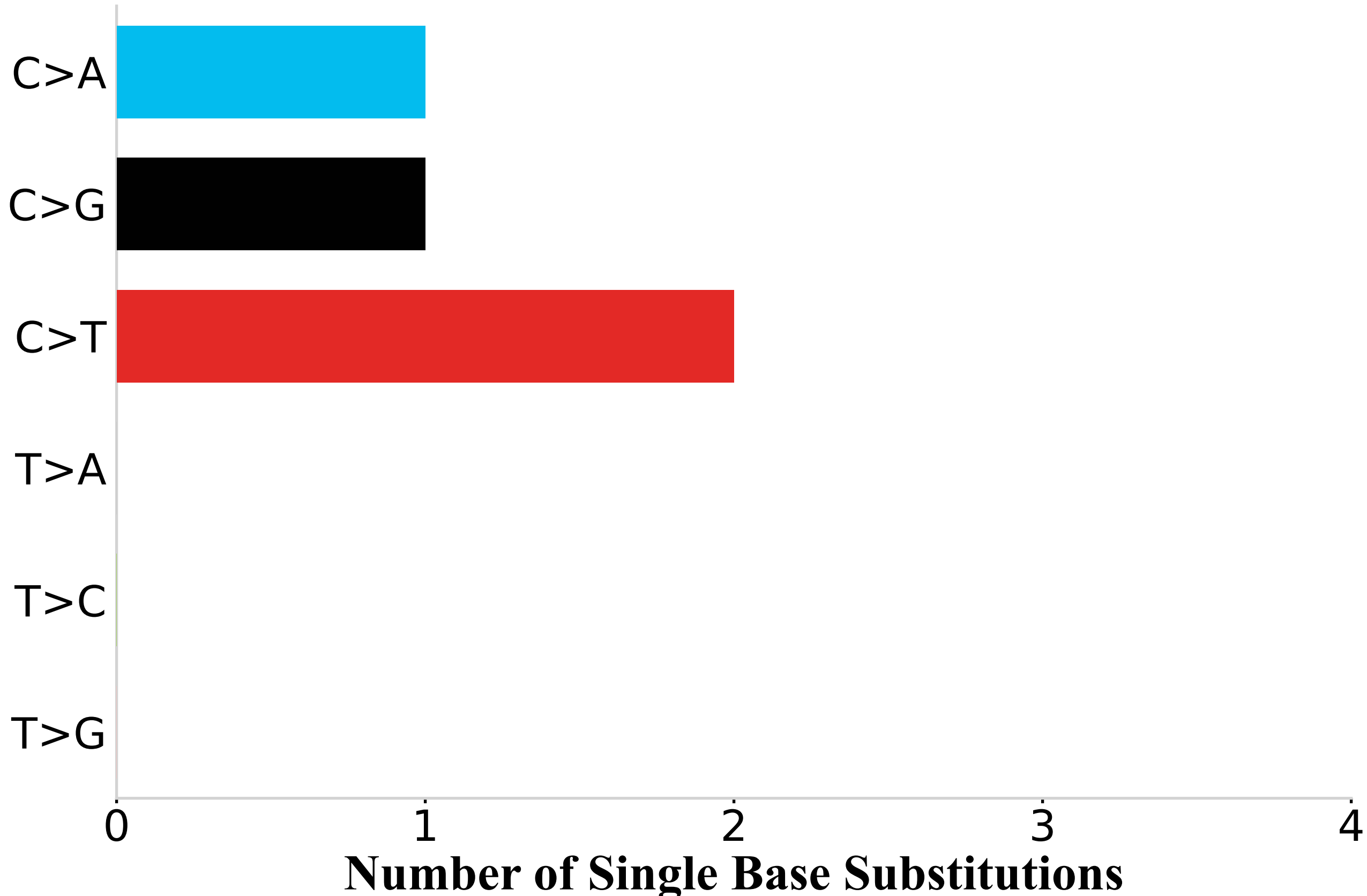


**P-0010124-T01-IM5: 2 subs**

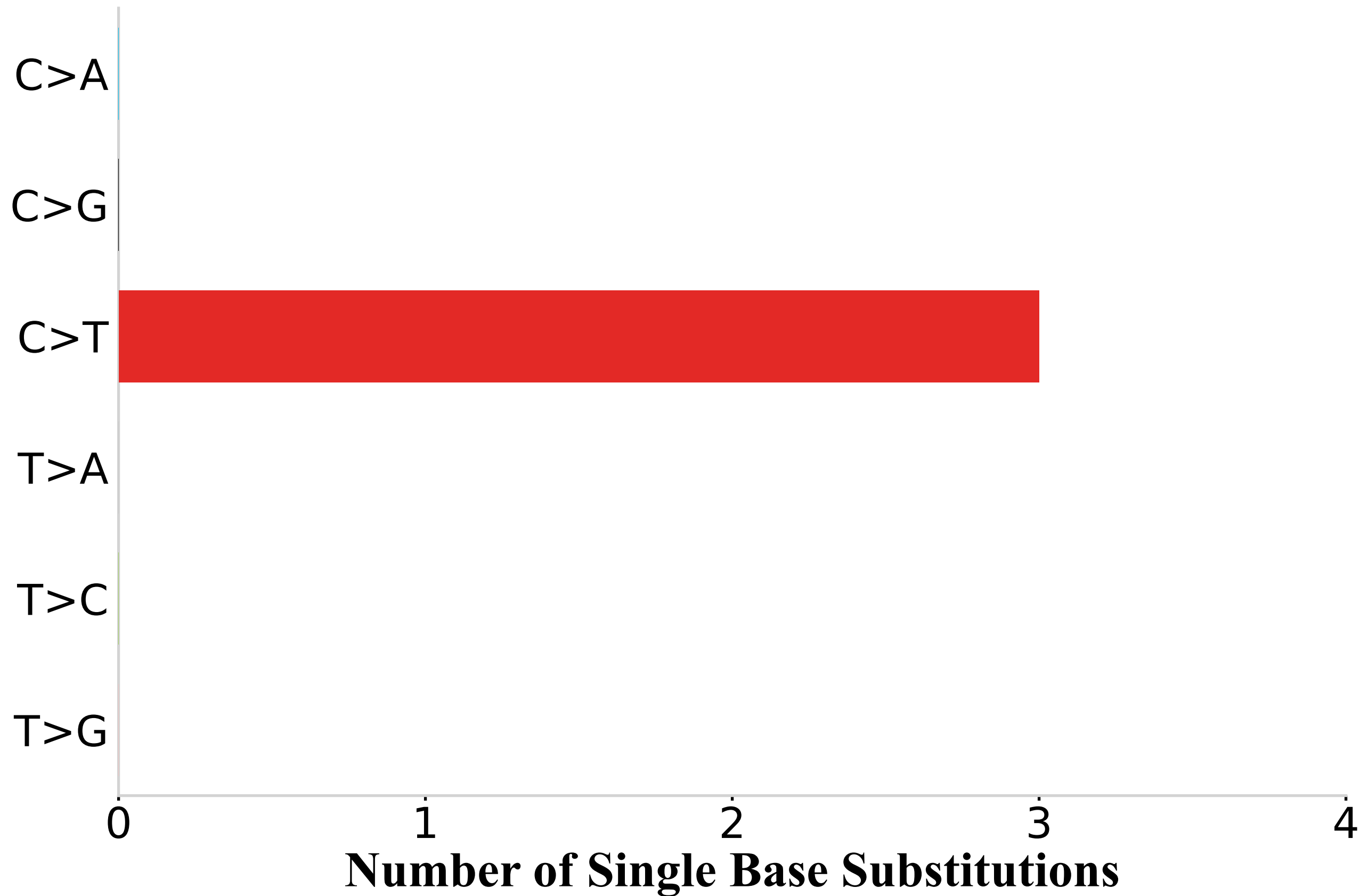




**P-0010809-T01-IM5: 4 subs**



**P-0010853-T01-IM5: 3 subs**



**P-0010895-T01-IM5: 9 subs**

C>A

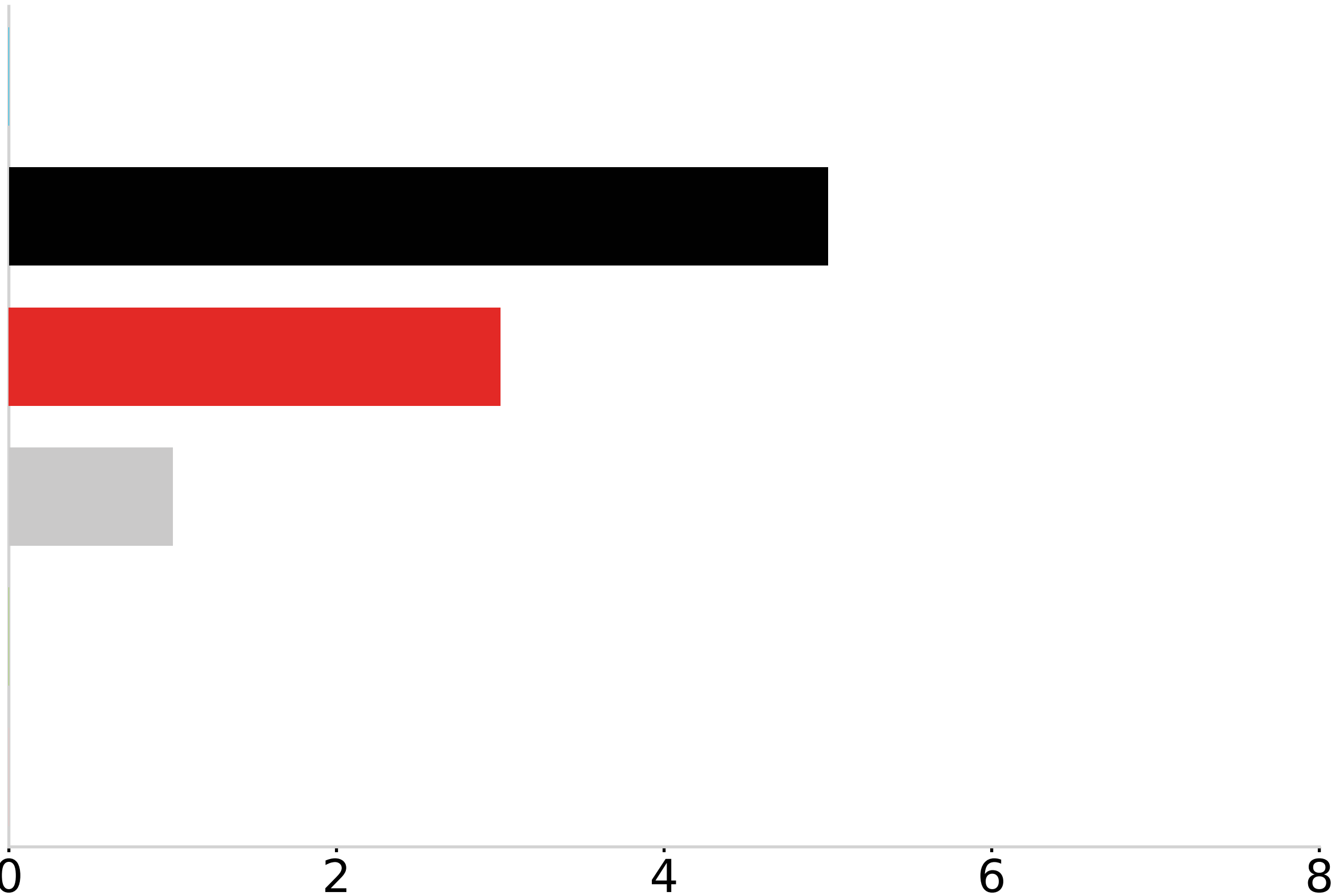
C>G

C>T

T>A

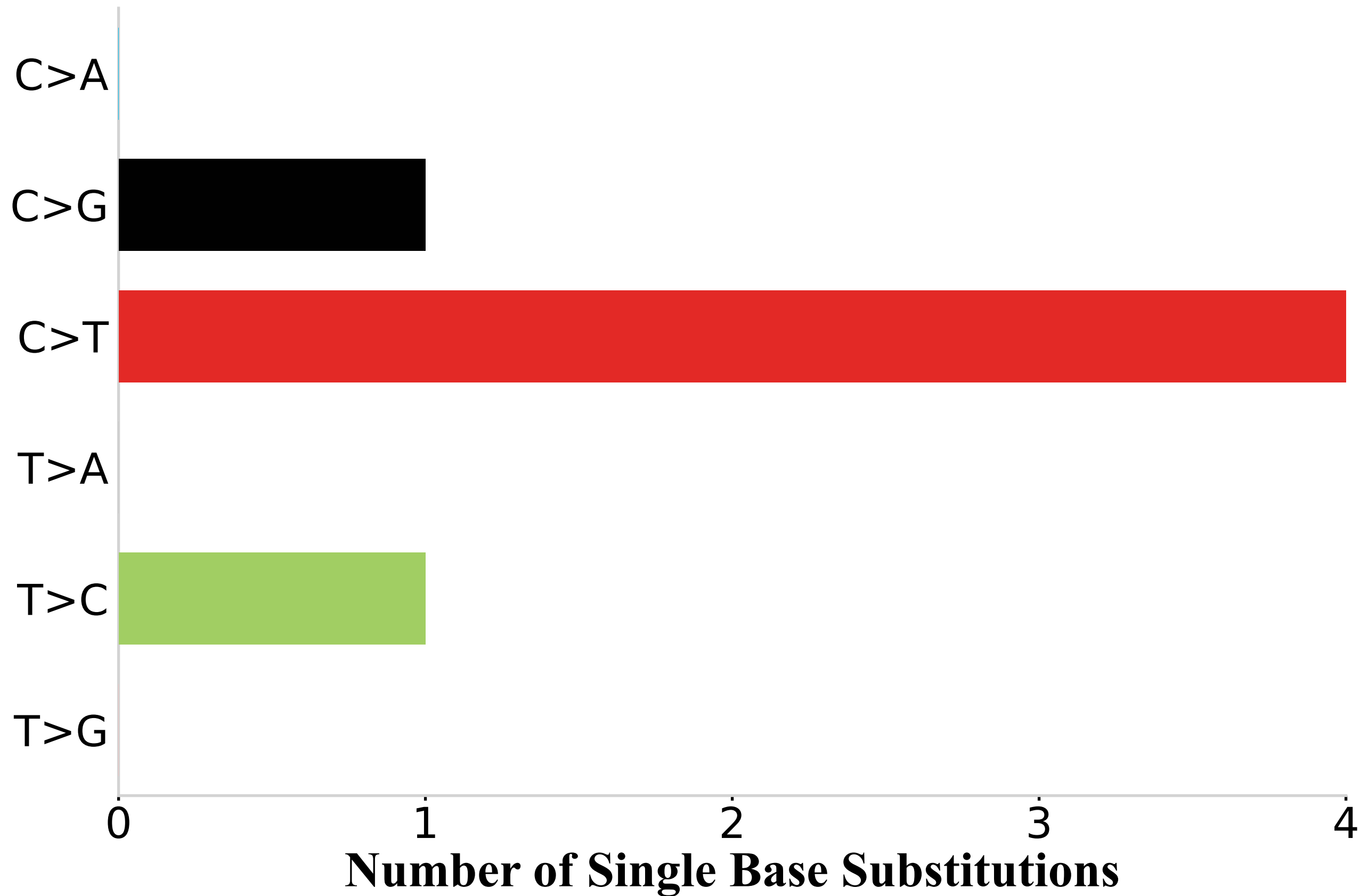
T>C

T>G

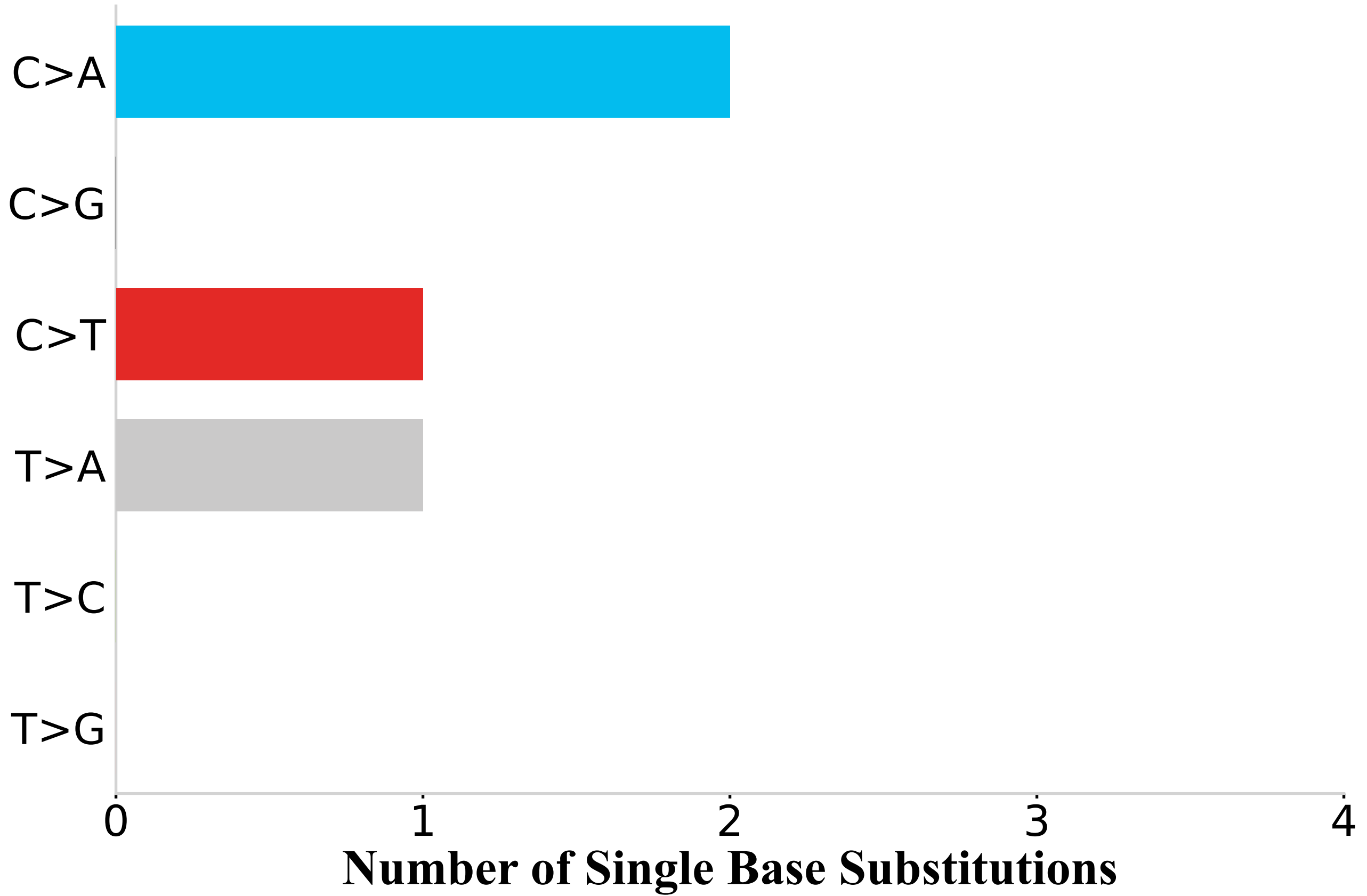


**Number of Single Base Substitutions**

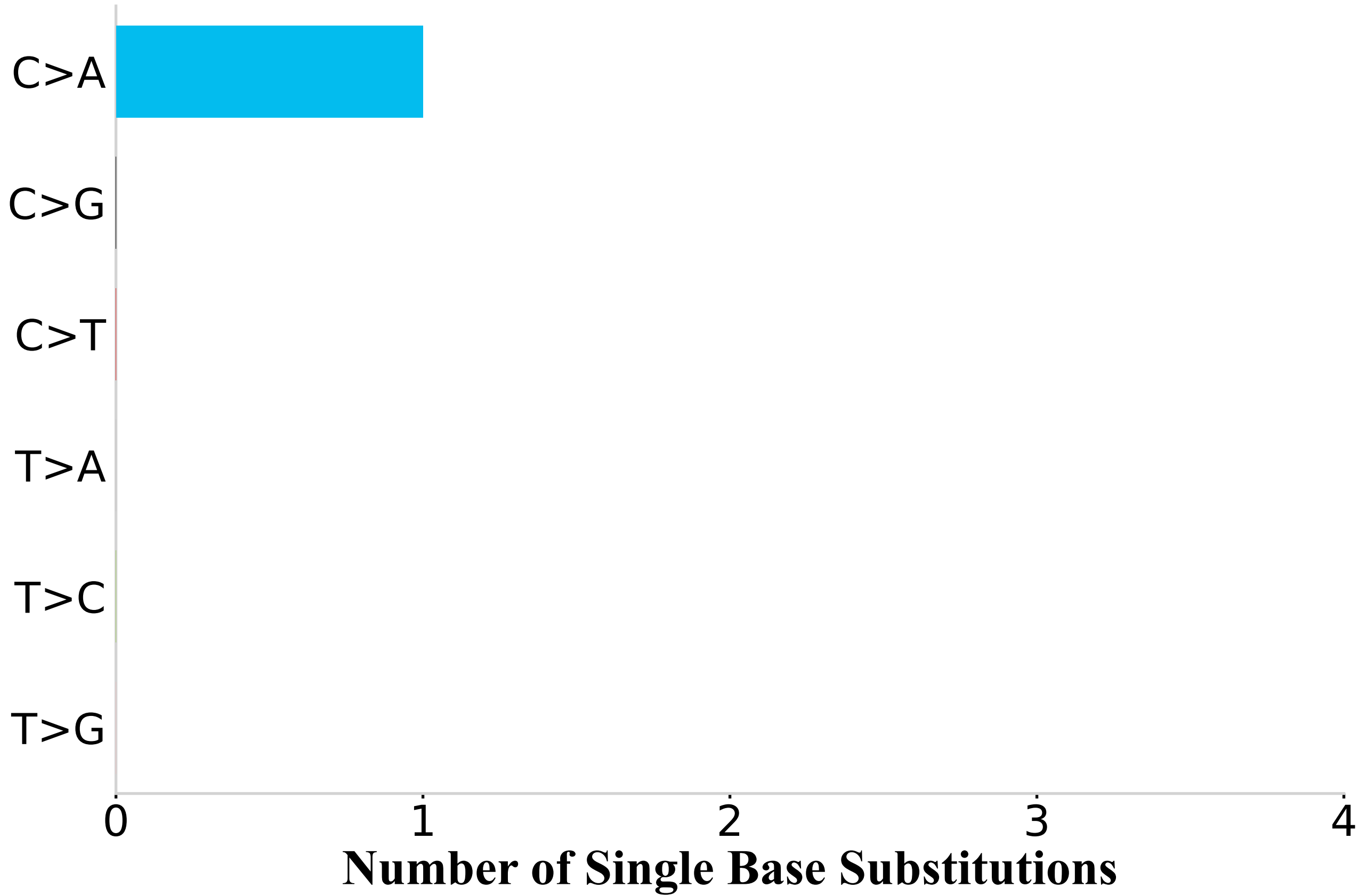
**P-0010973-T01-IM5: 6 subs**



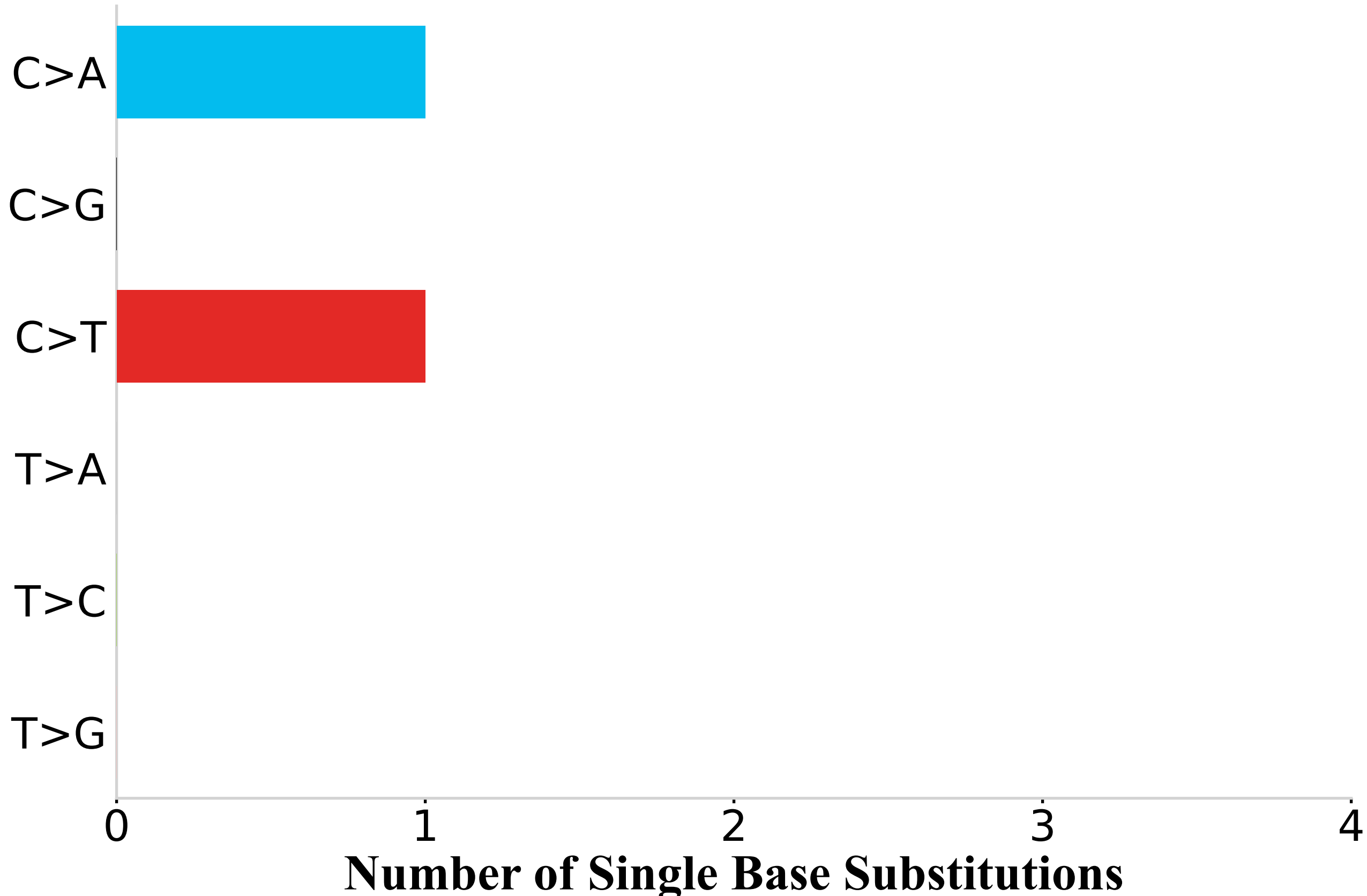
**P-0011281-T01-IM5: 4 subs**



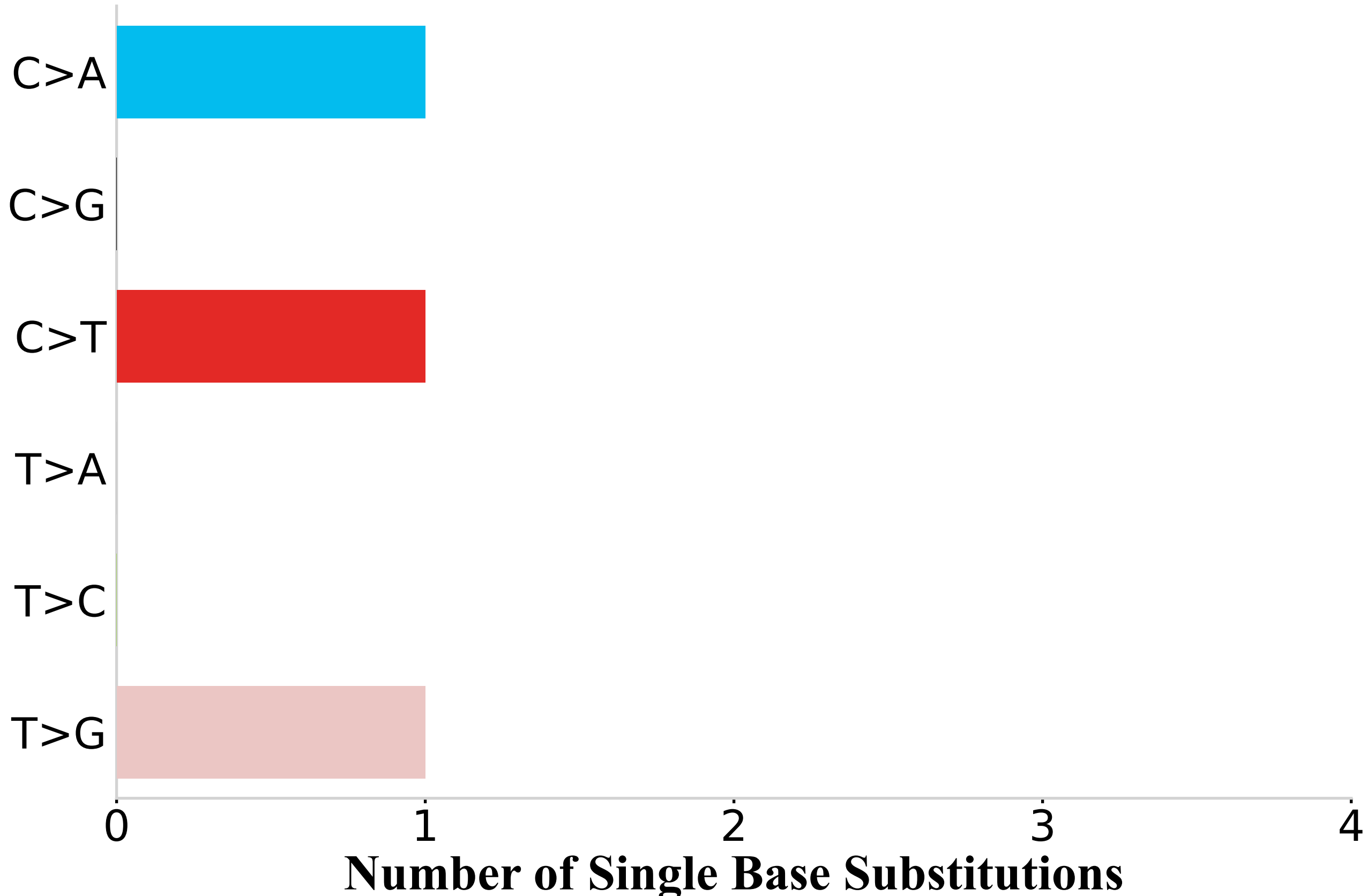
**P-0011454-T01-IM5: 1 subs**



**P-0012070-T01-IM5: 2 subs**

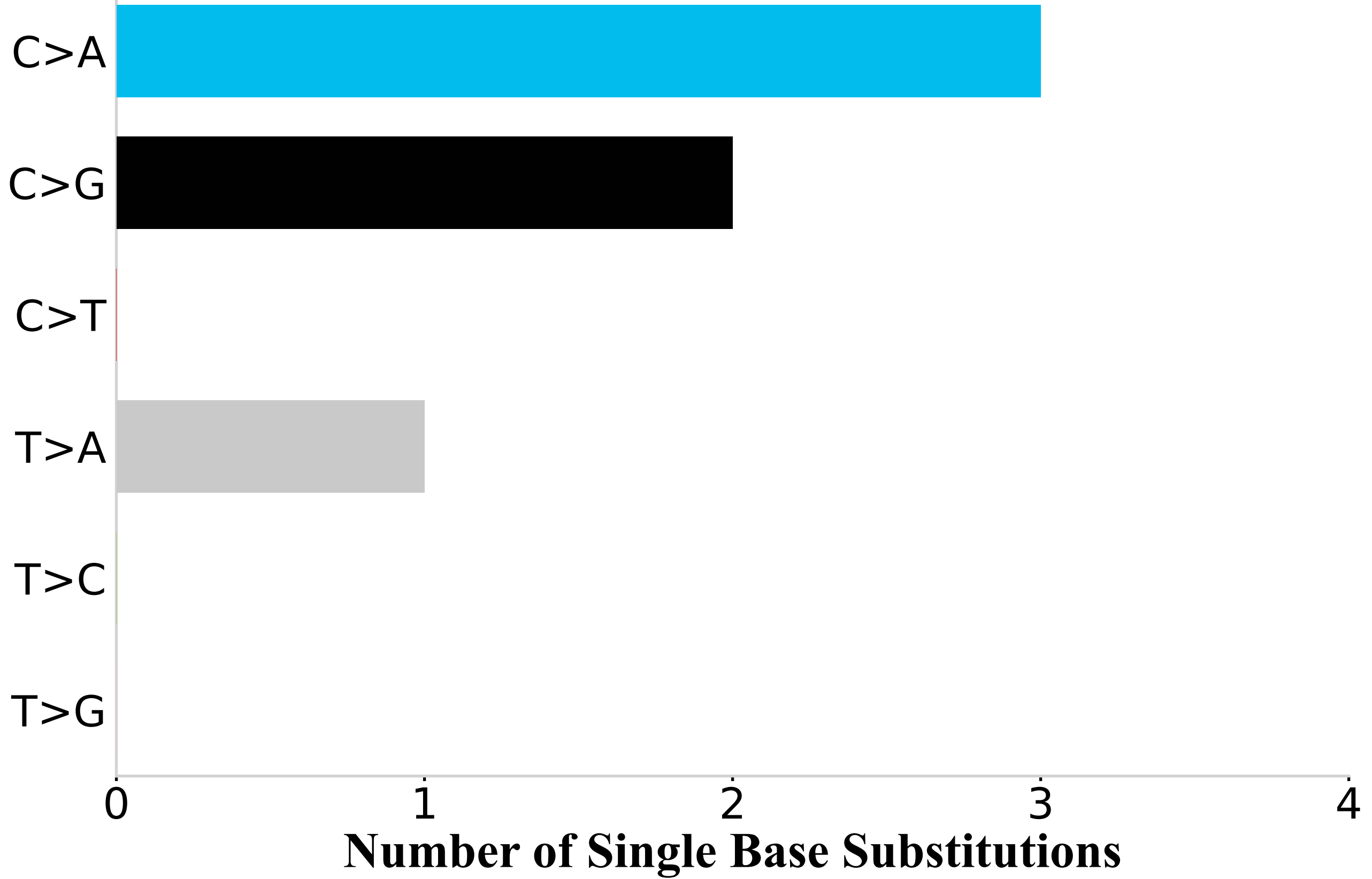


**P-0012199-T01-IM5: 3 subs**

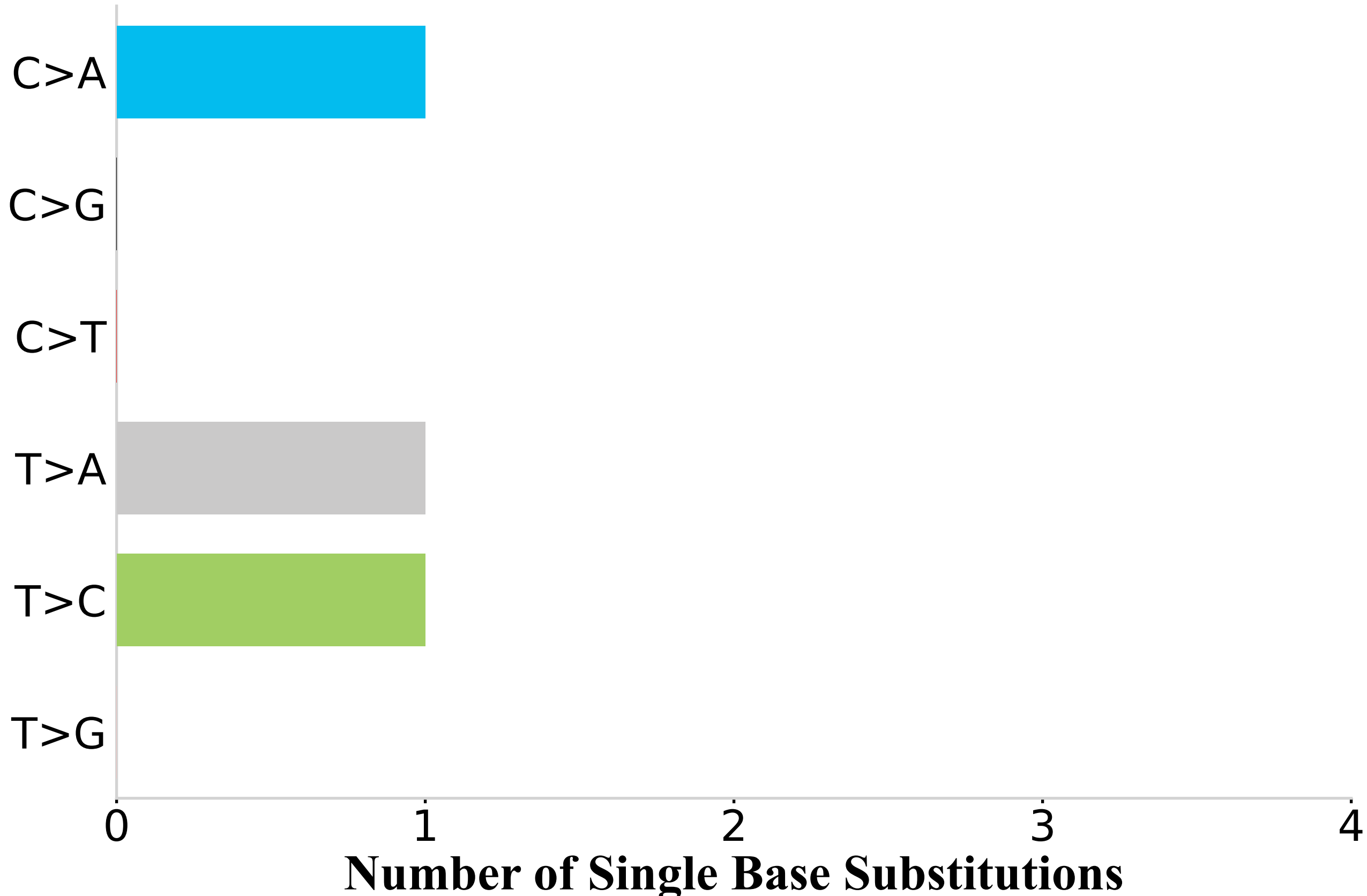




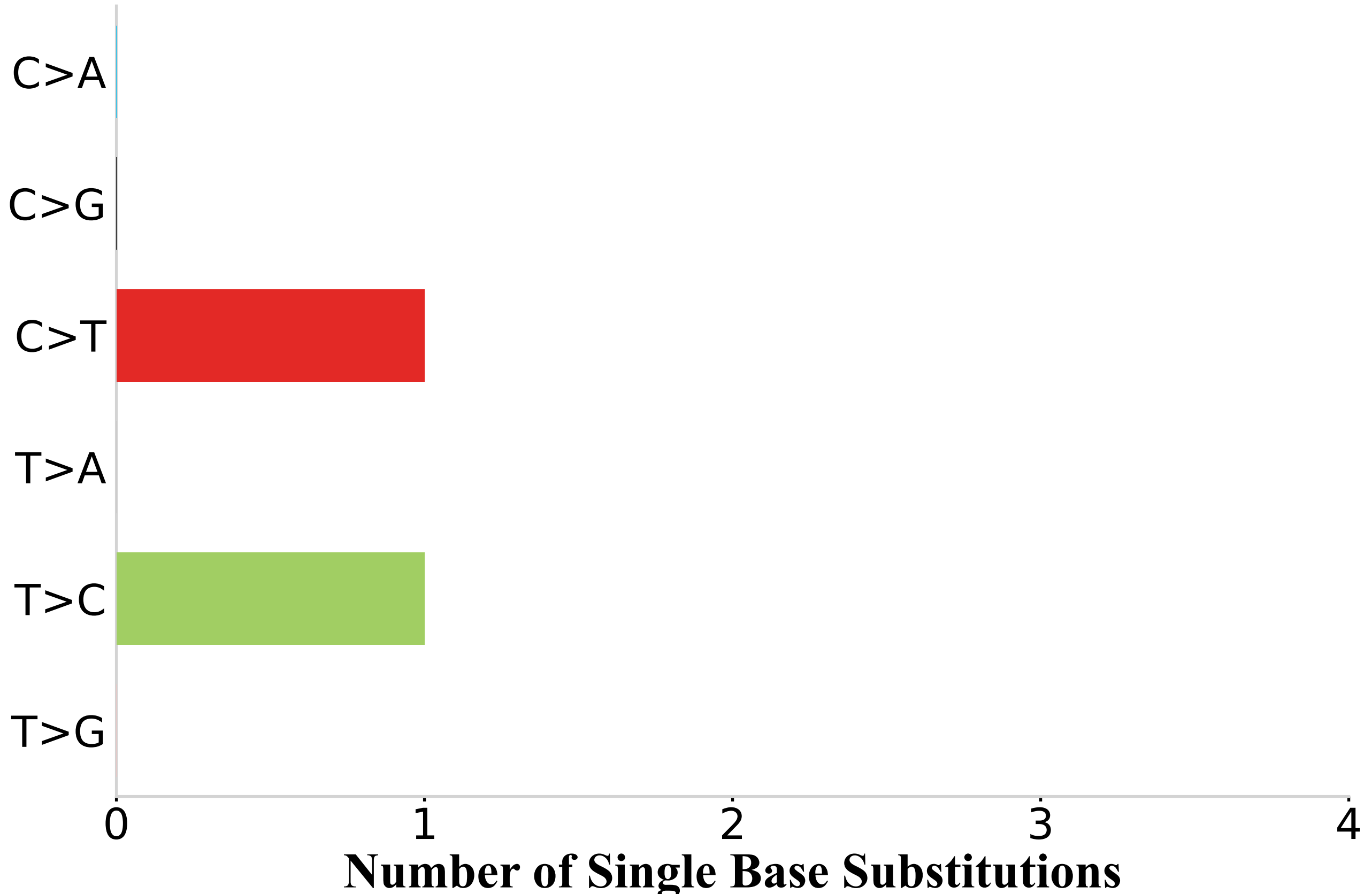
**P-0013510-T01-IM5: 6 subs**



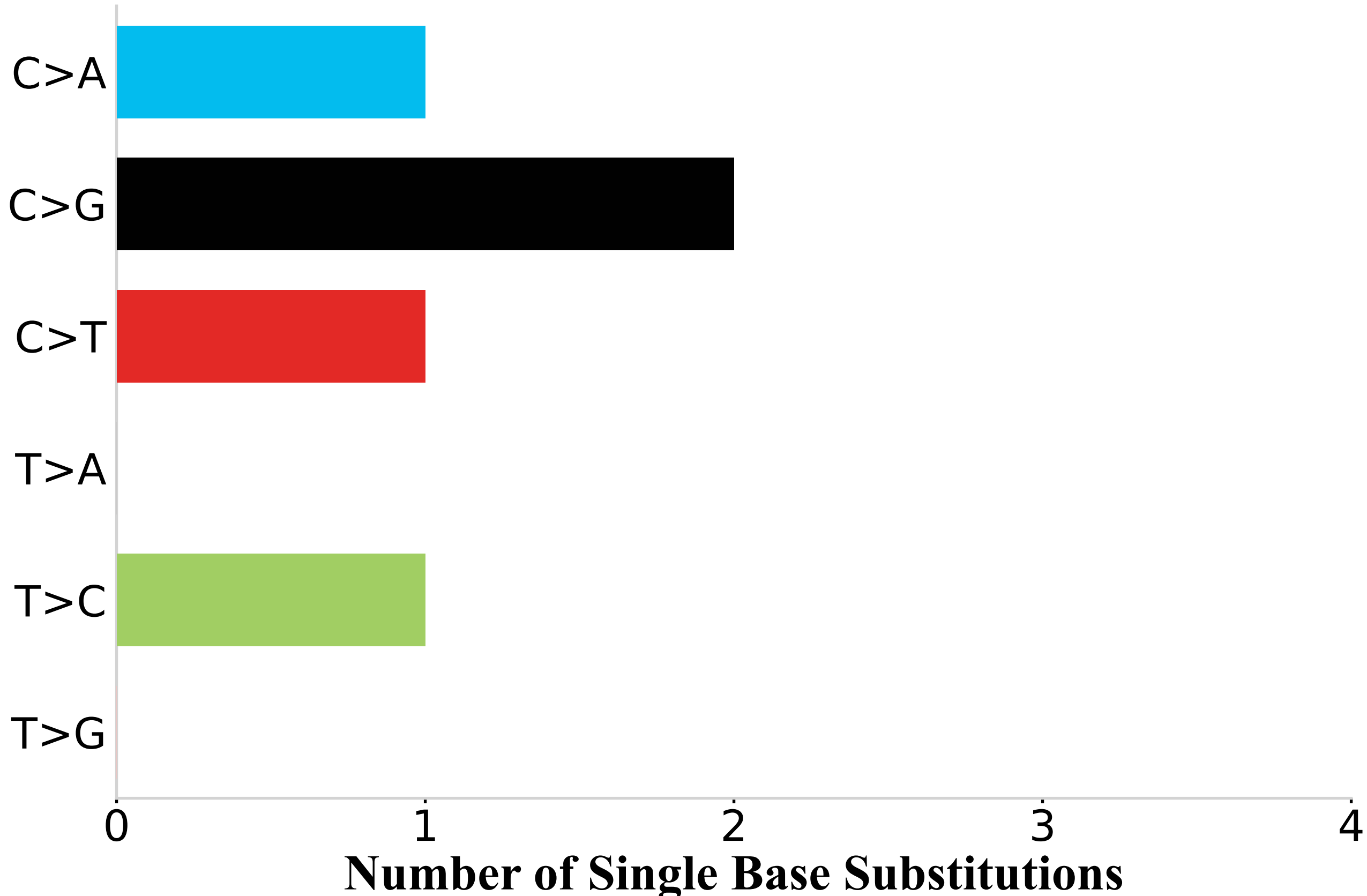
**P-0014149-T01-IM5: 3 subs**



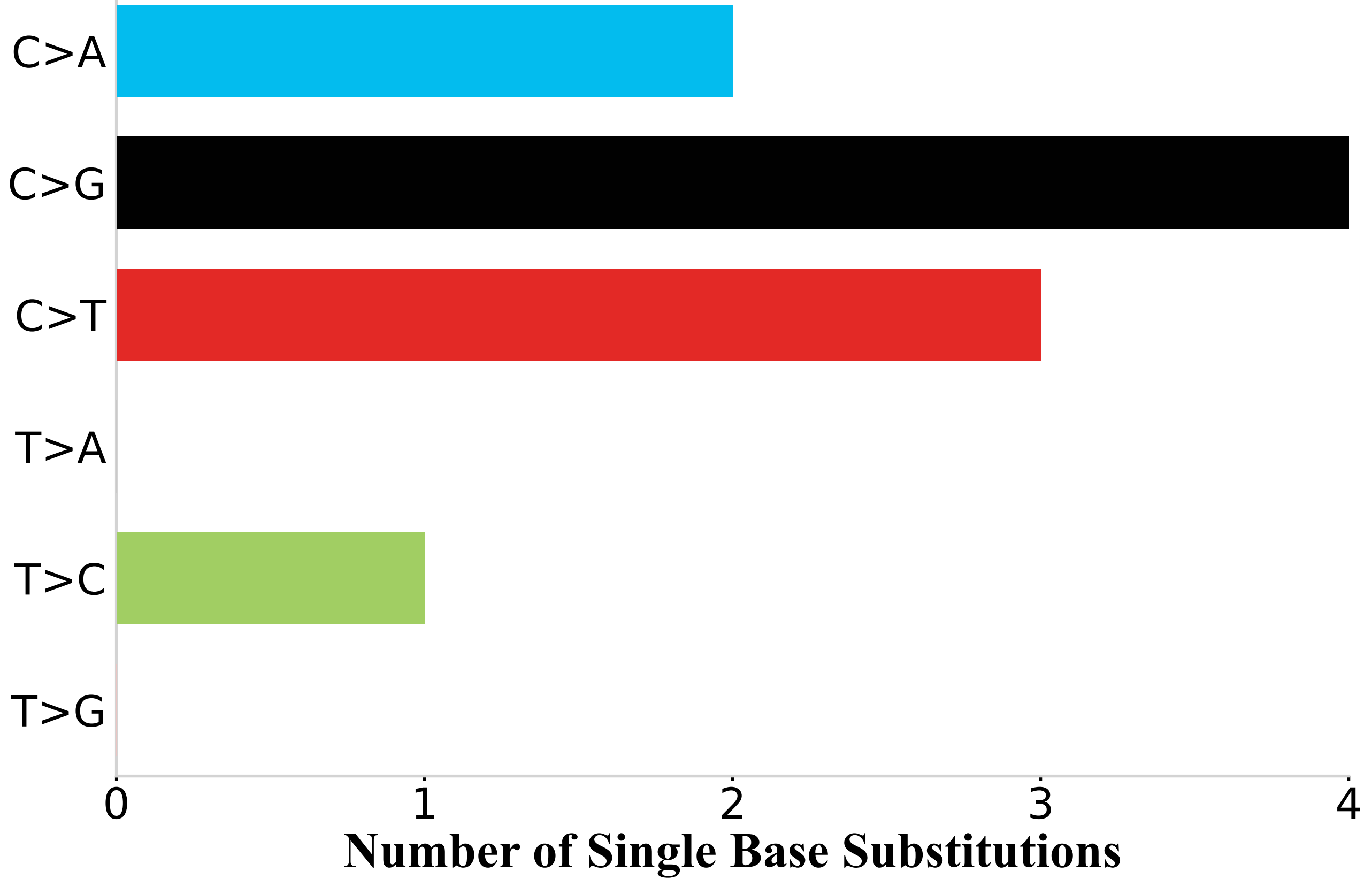
**P-0014150-T01-IM5: 2 subs**



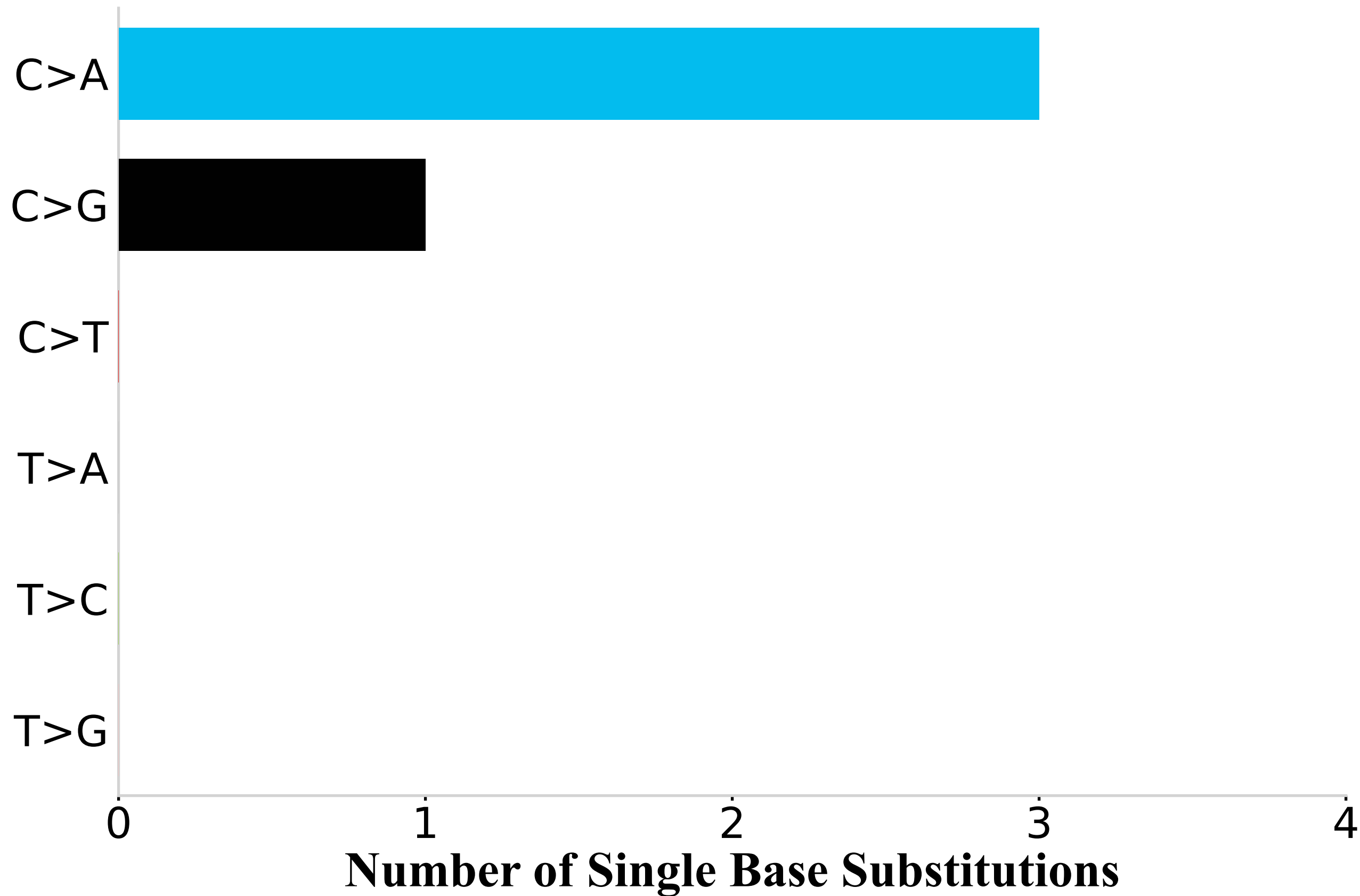
**P-0014364-T01-IM6: 5 subs**



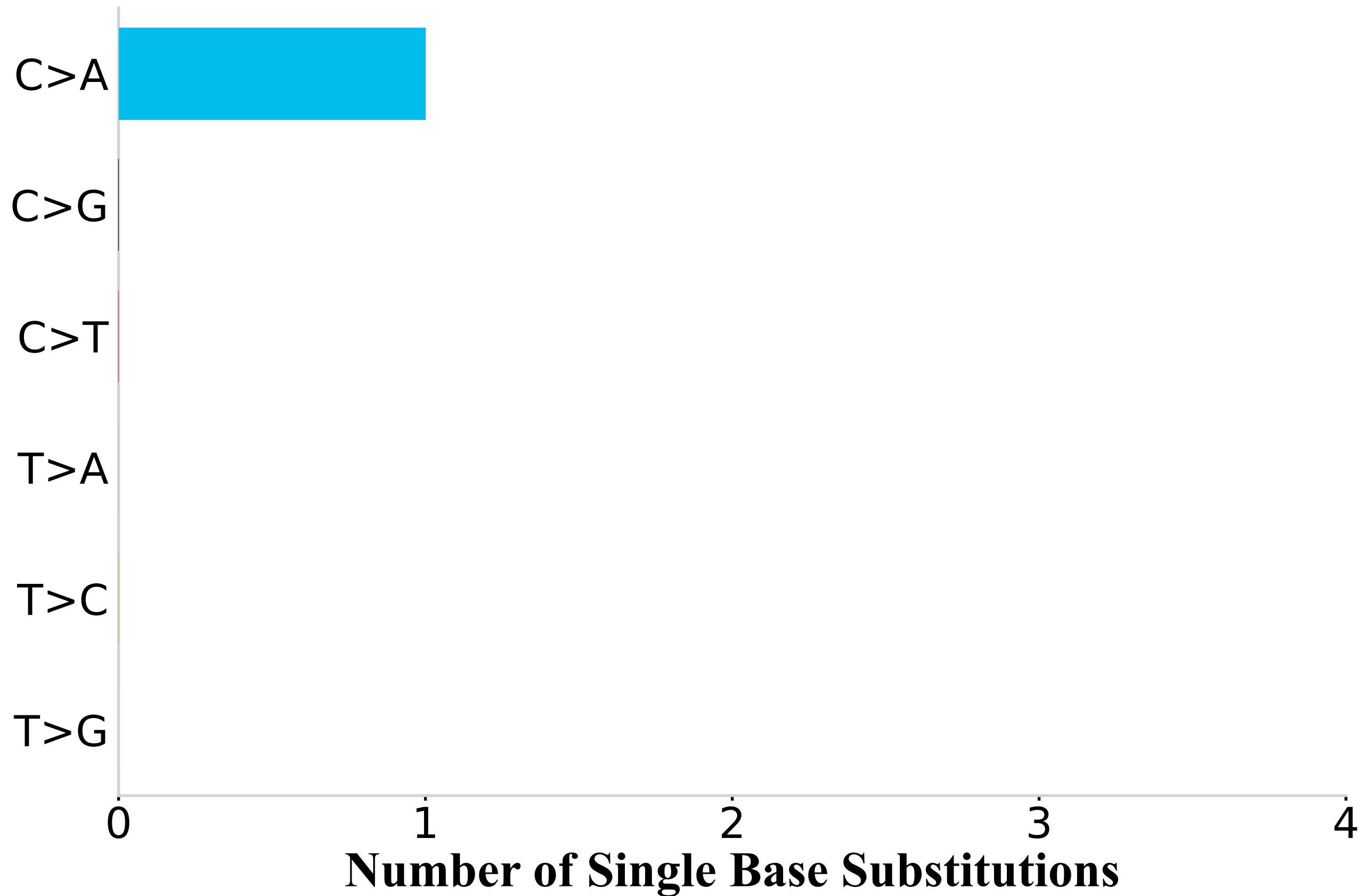
**P-0014460-T01-IM6: 10 subs**



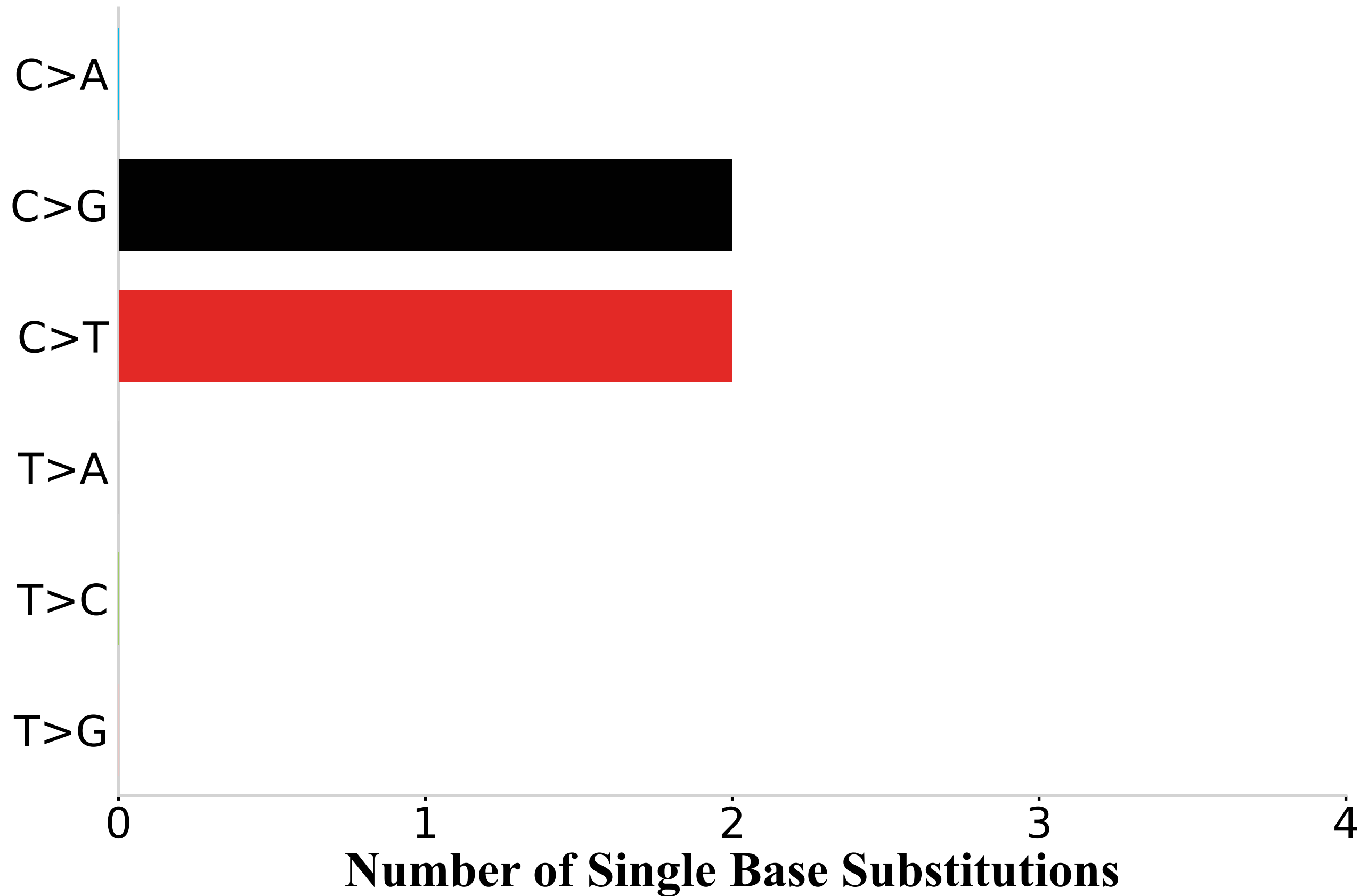
**P-0014807-T01-IM6: 4 subs**



**P-0014973-T01-IM6: 1 subs**

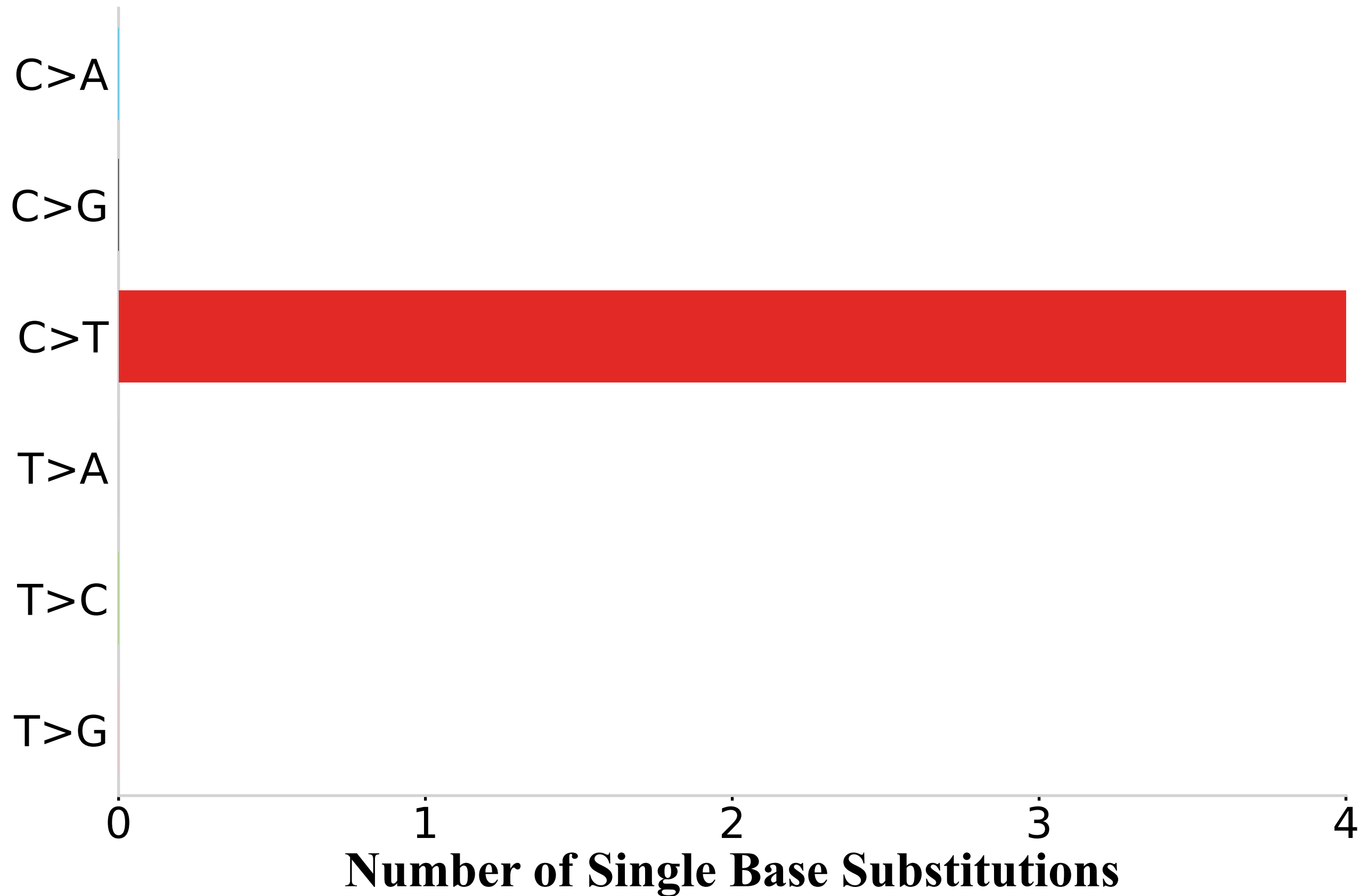


**P-0015023-T01-IM6: 4 subs**

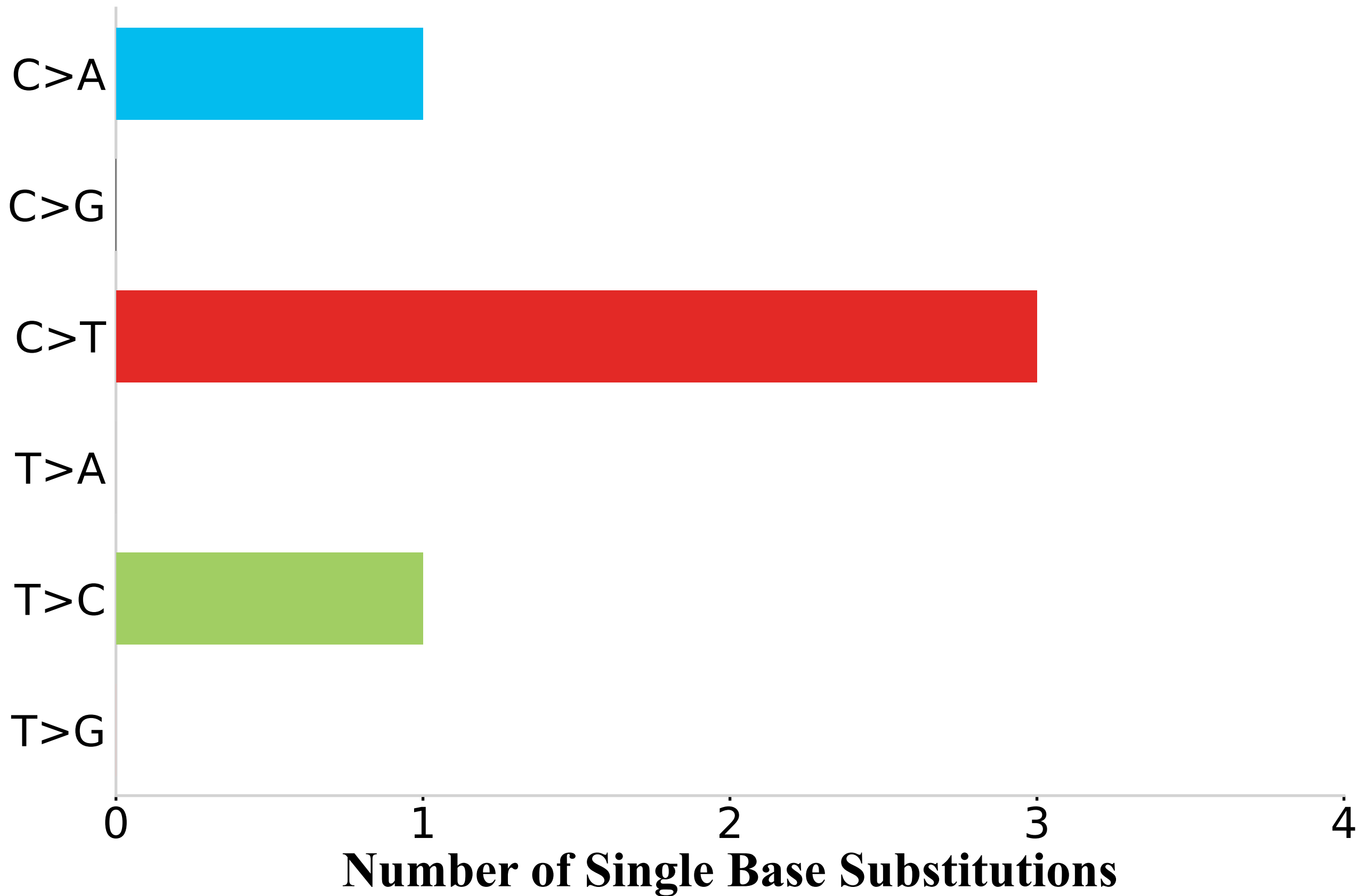




**P-0015050-T01-IM6: 4 subs**



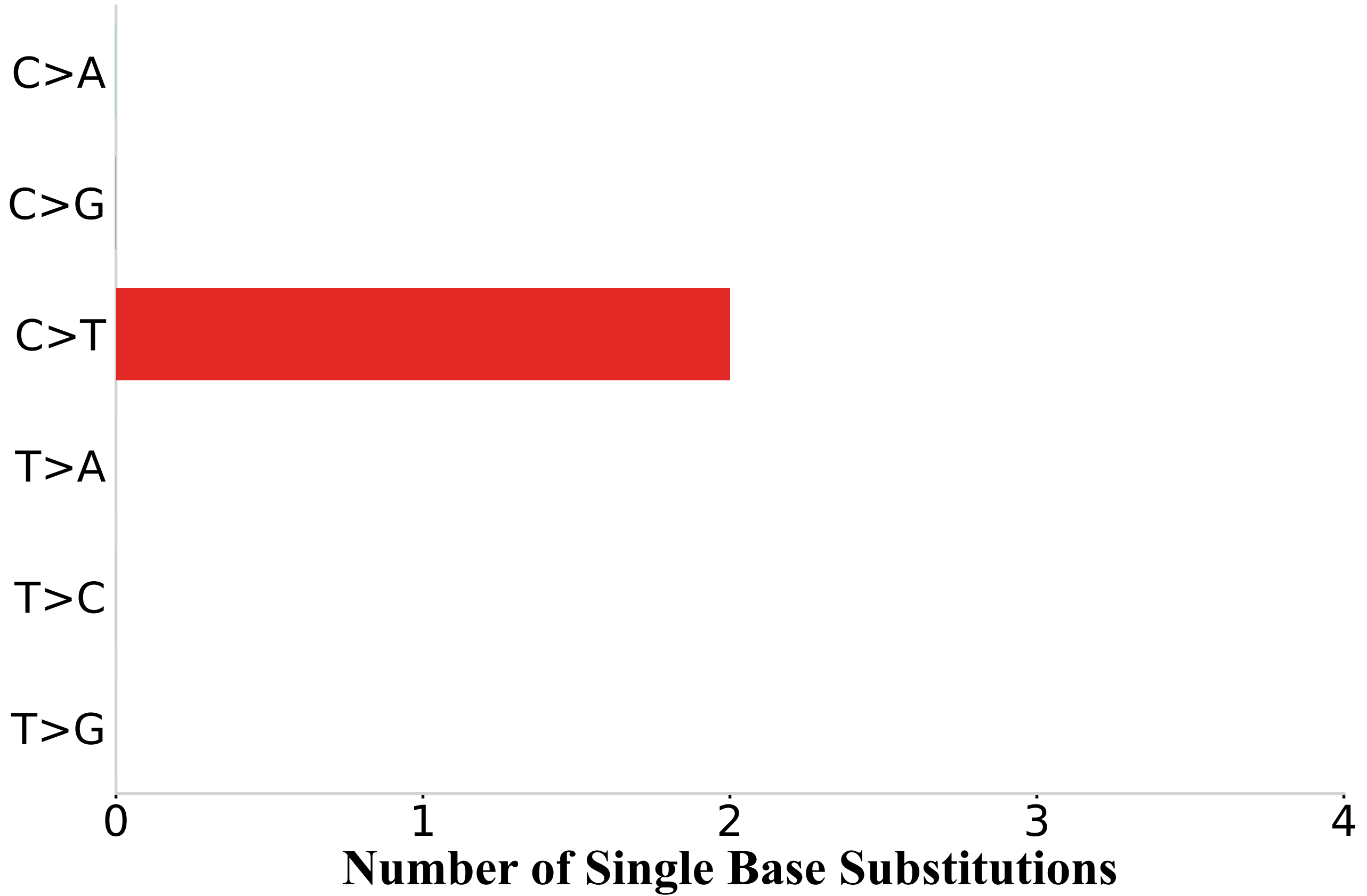
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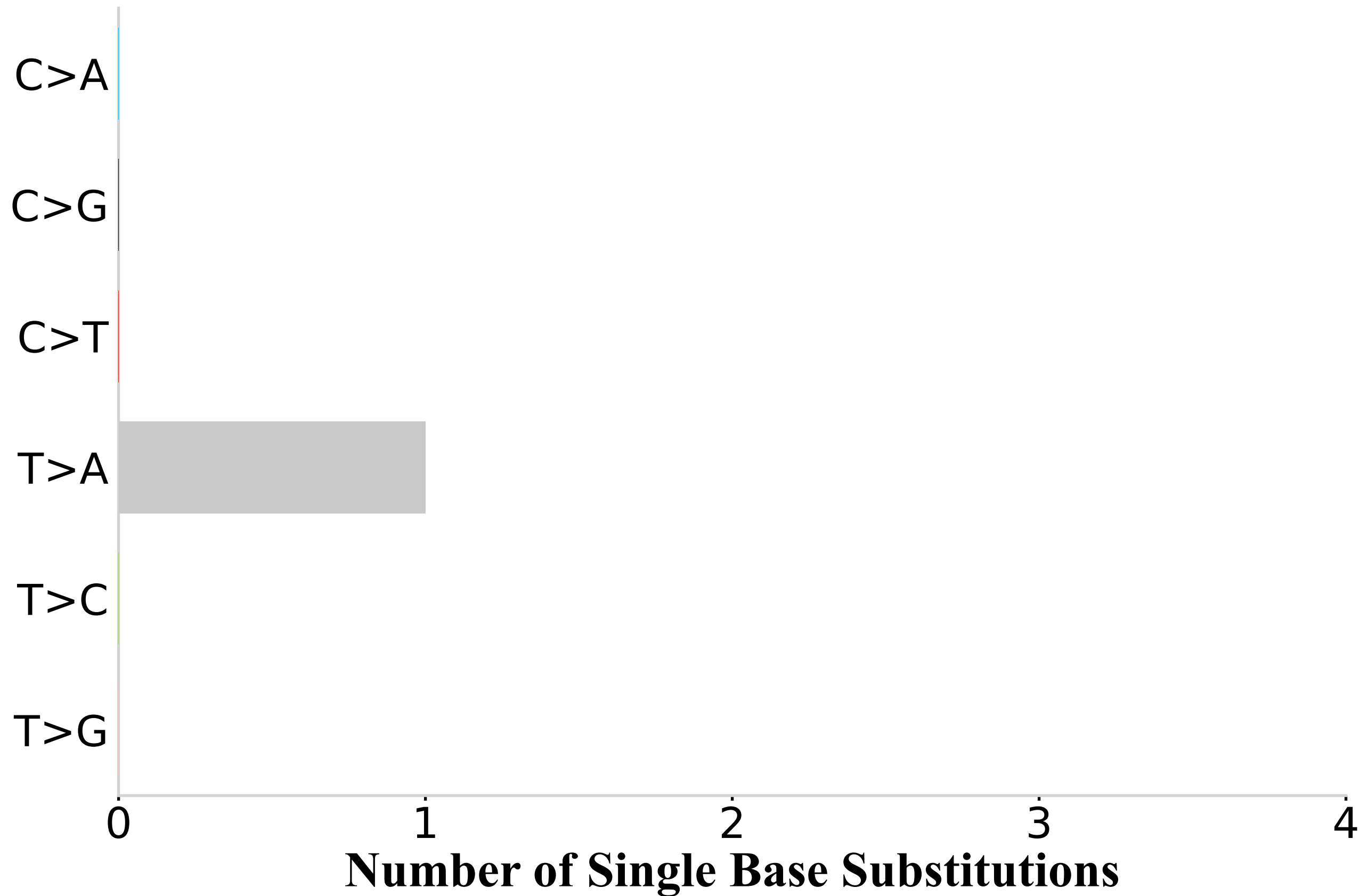
**P-0015077-T01-IM6: 1 subs**



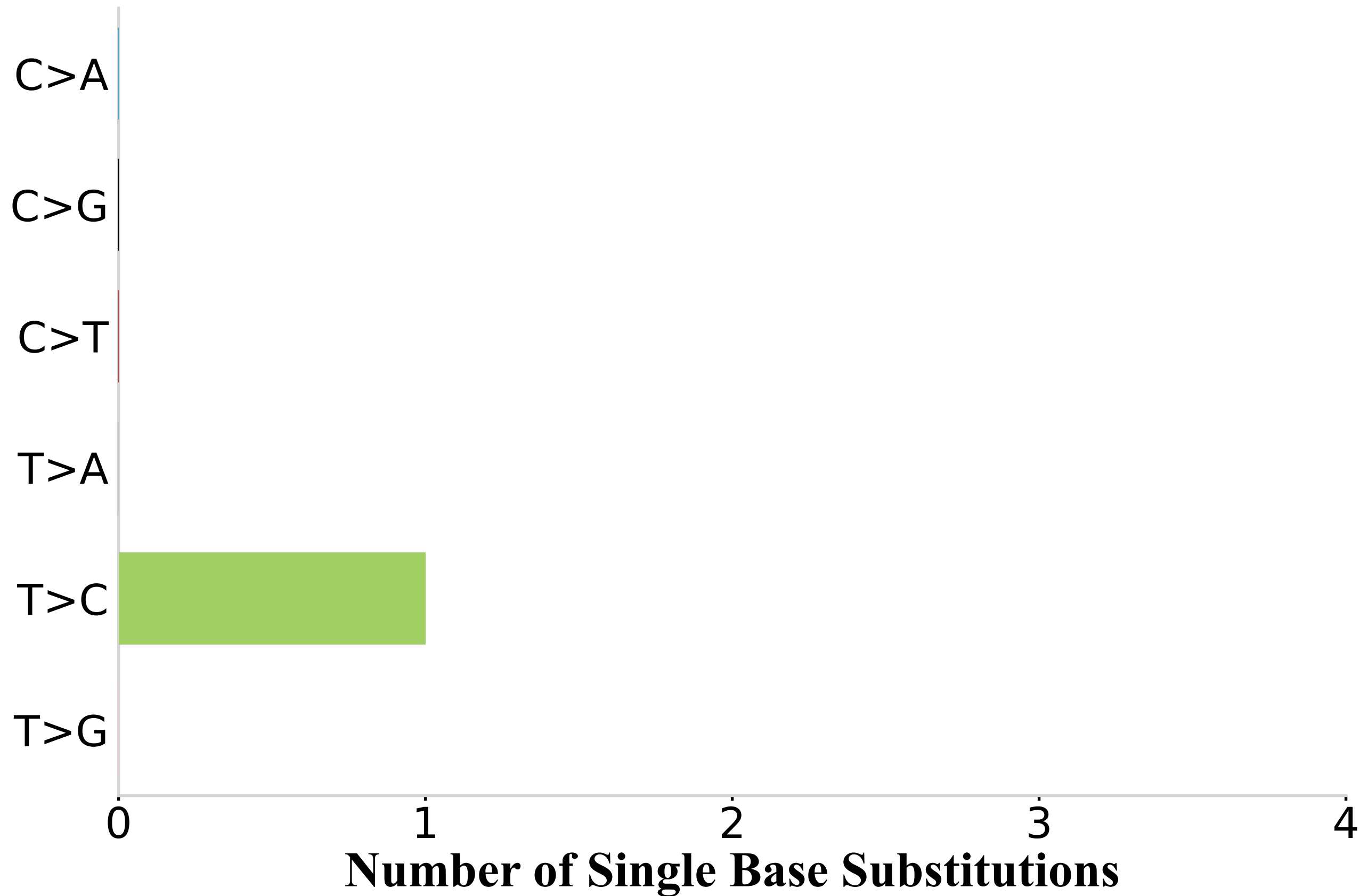
**P-0015198-T01-IM6: 2 subs**



**P-0015321-T01-IM6: 1 subs**



**P-0015325-T01-IM6: 1 subs**



**P-0015702-T01-IM6: 0 subs**

C>A

C>G

C>T

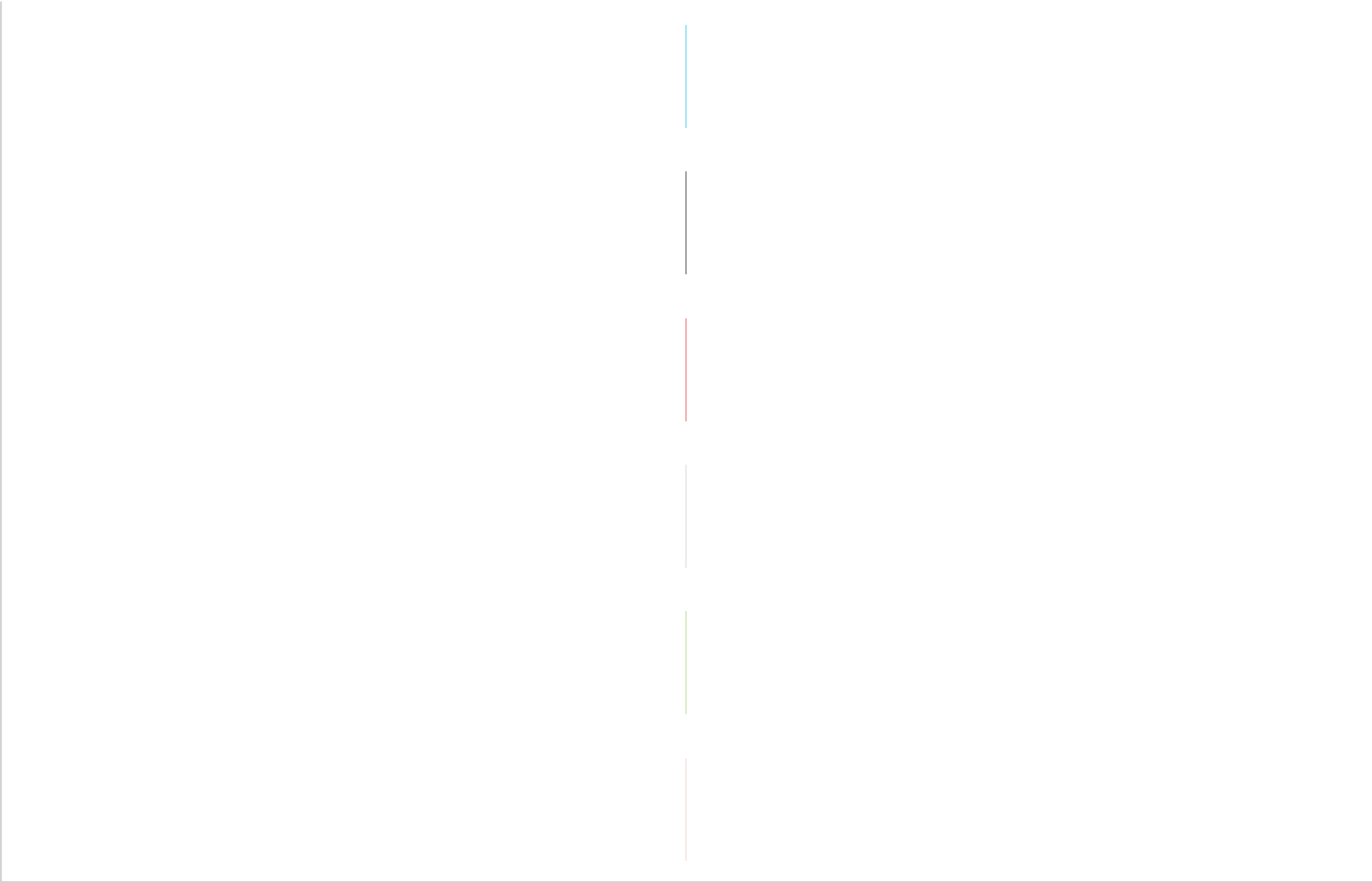
T>A

T>C

T>G

0

**Number of Single Base Substitutions**



**P-0015787-T01-IM6: 1 subs**





**P-0015861-T01-IM6: 0 subs**

C>A

C>G

C>T

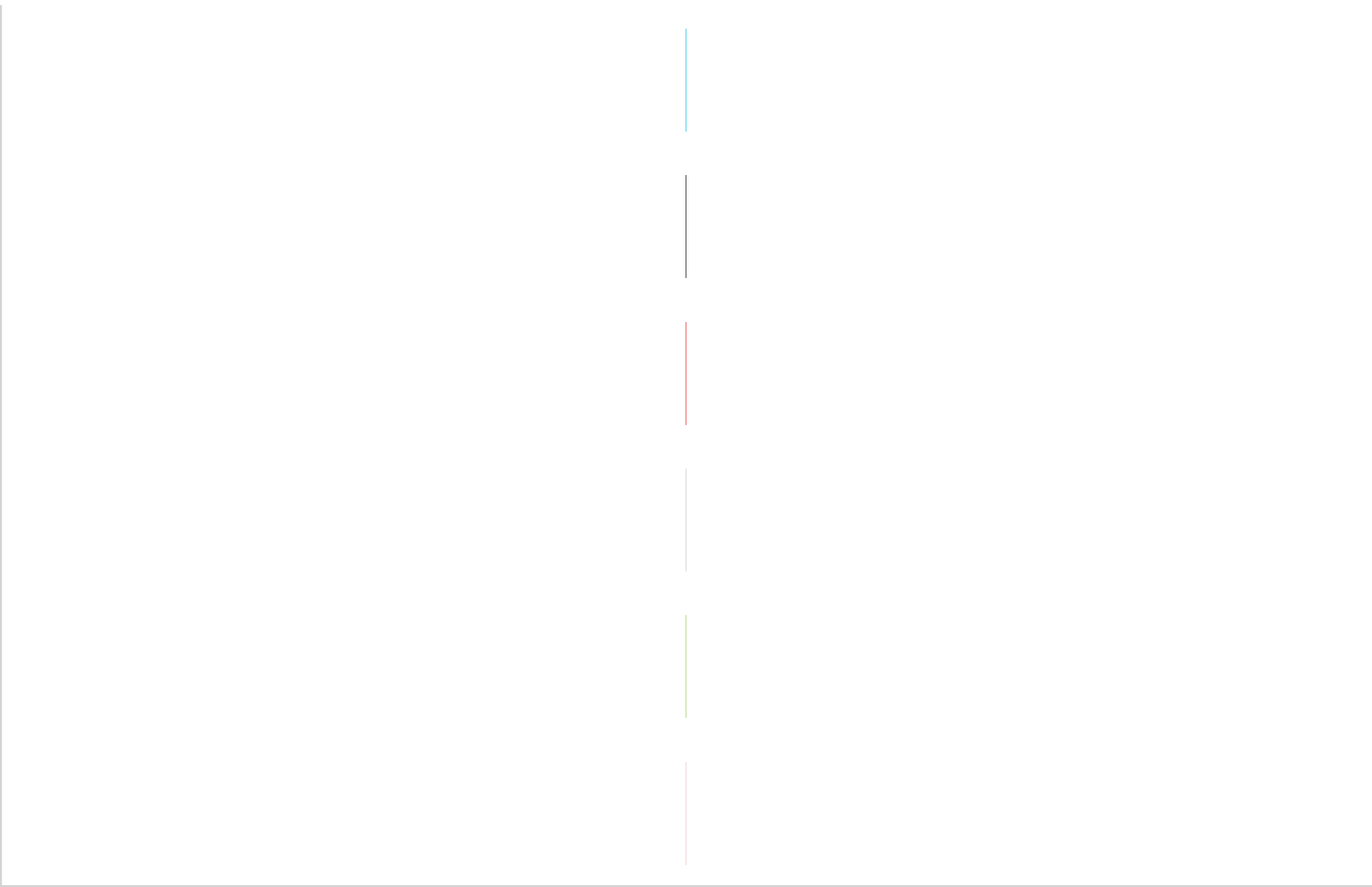
T>A

T>C

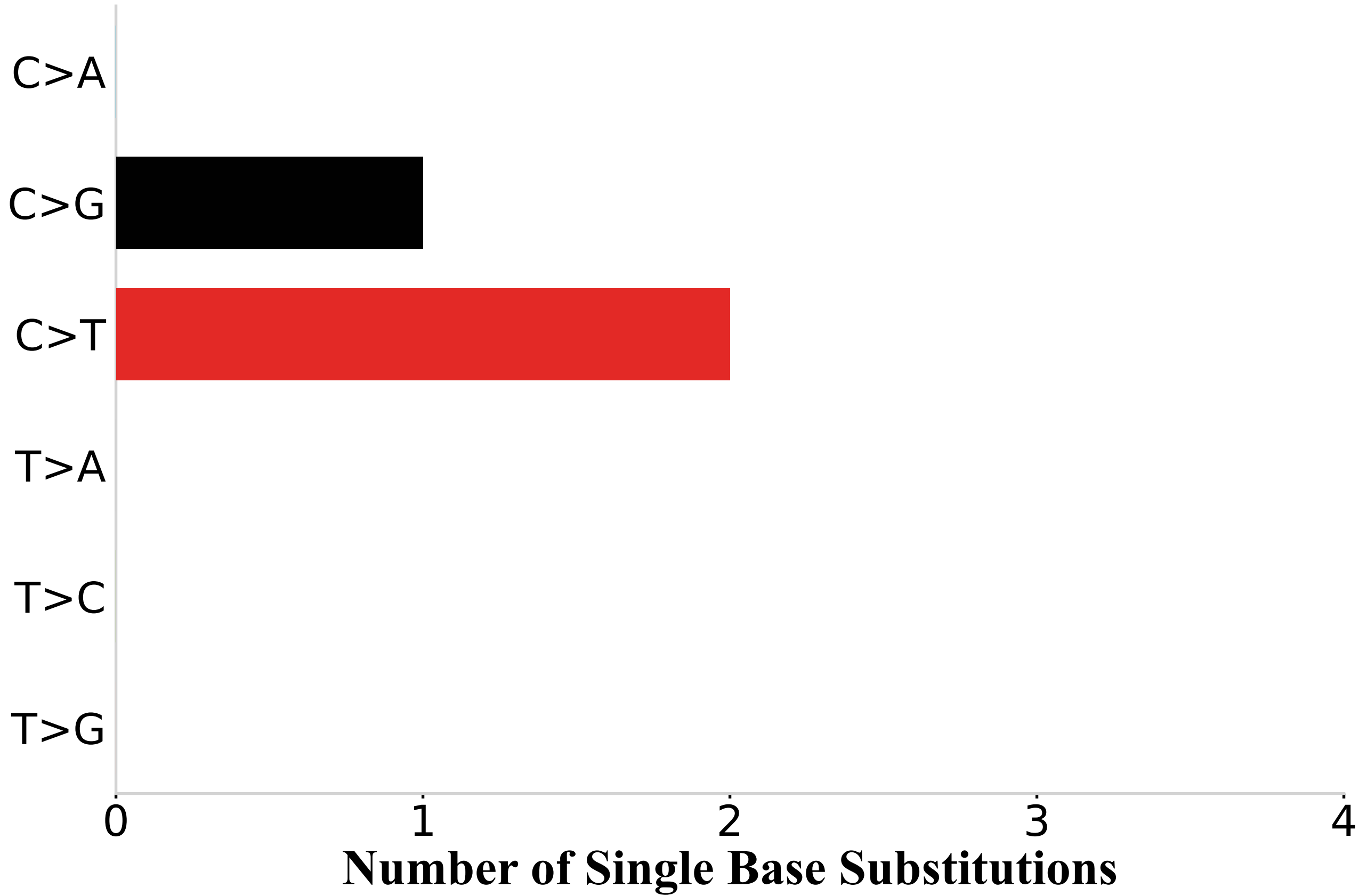
T>G

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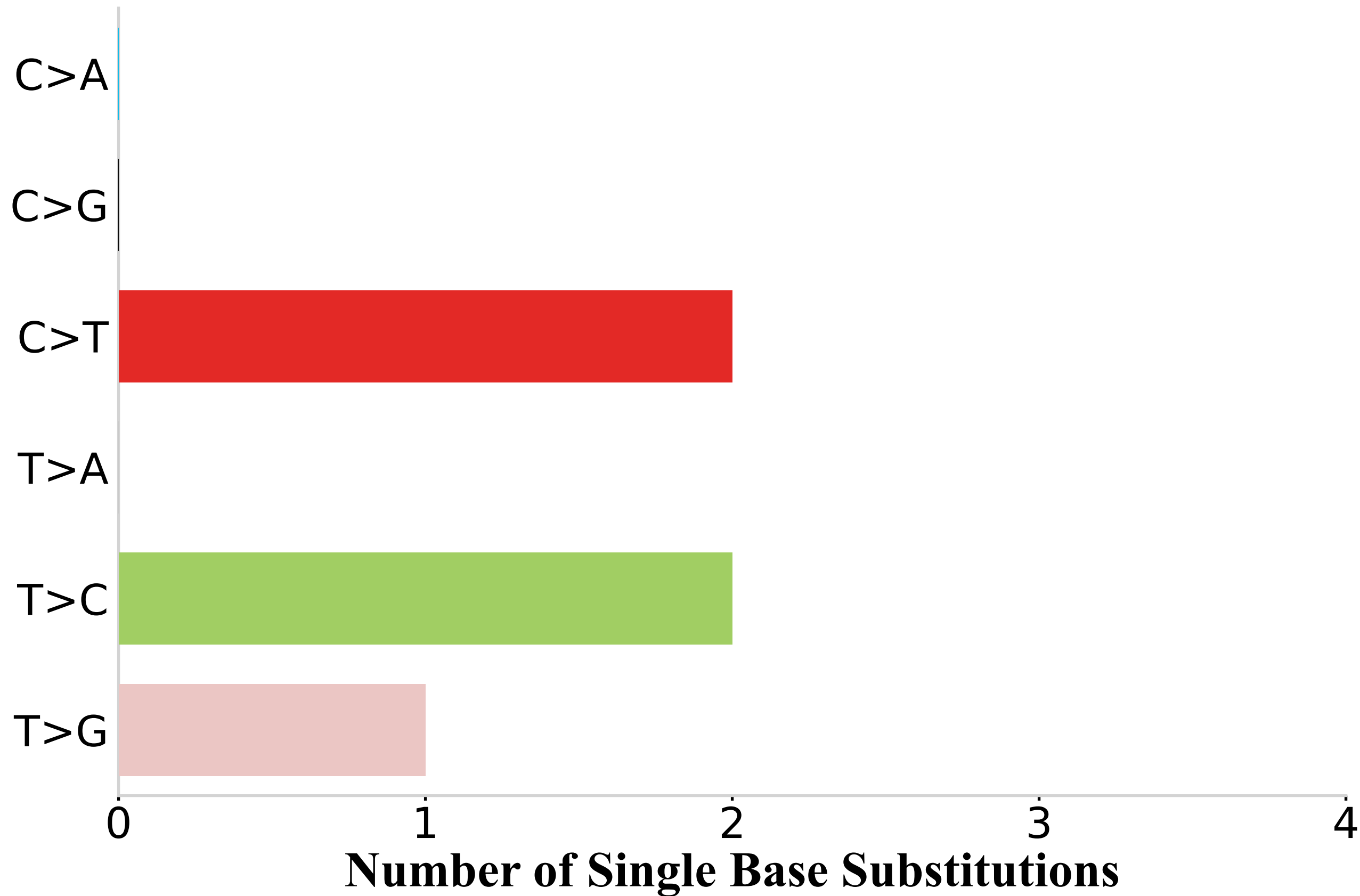
**Number of Single Base Substitutions**



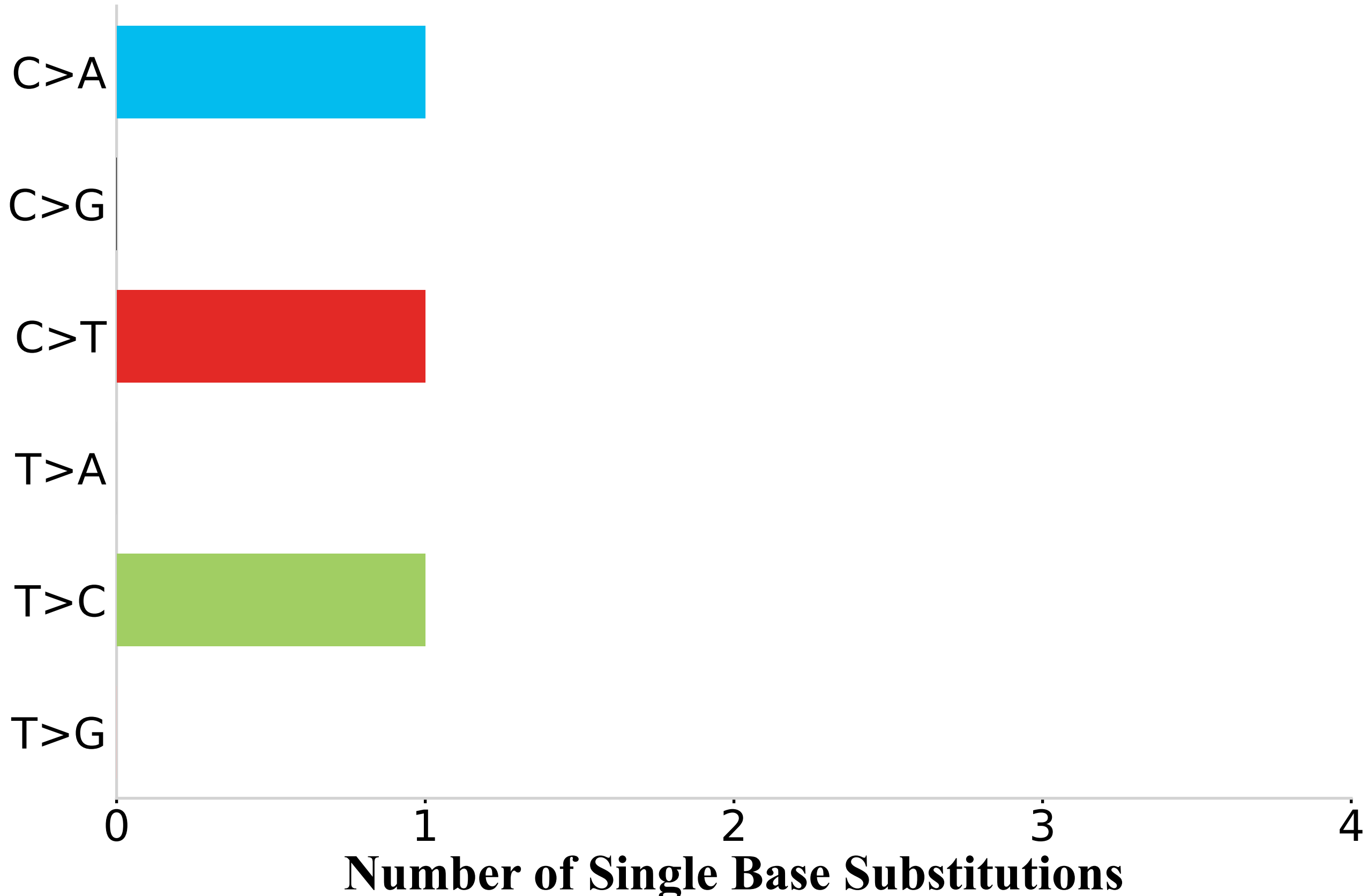
**P-0016145-T01-IM6: 3 subs**



**P-0016151-T02-IM6: 5 subs**



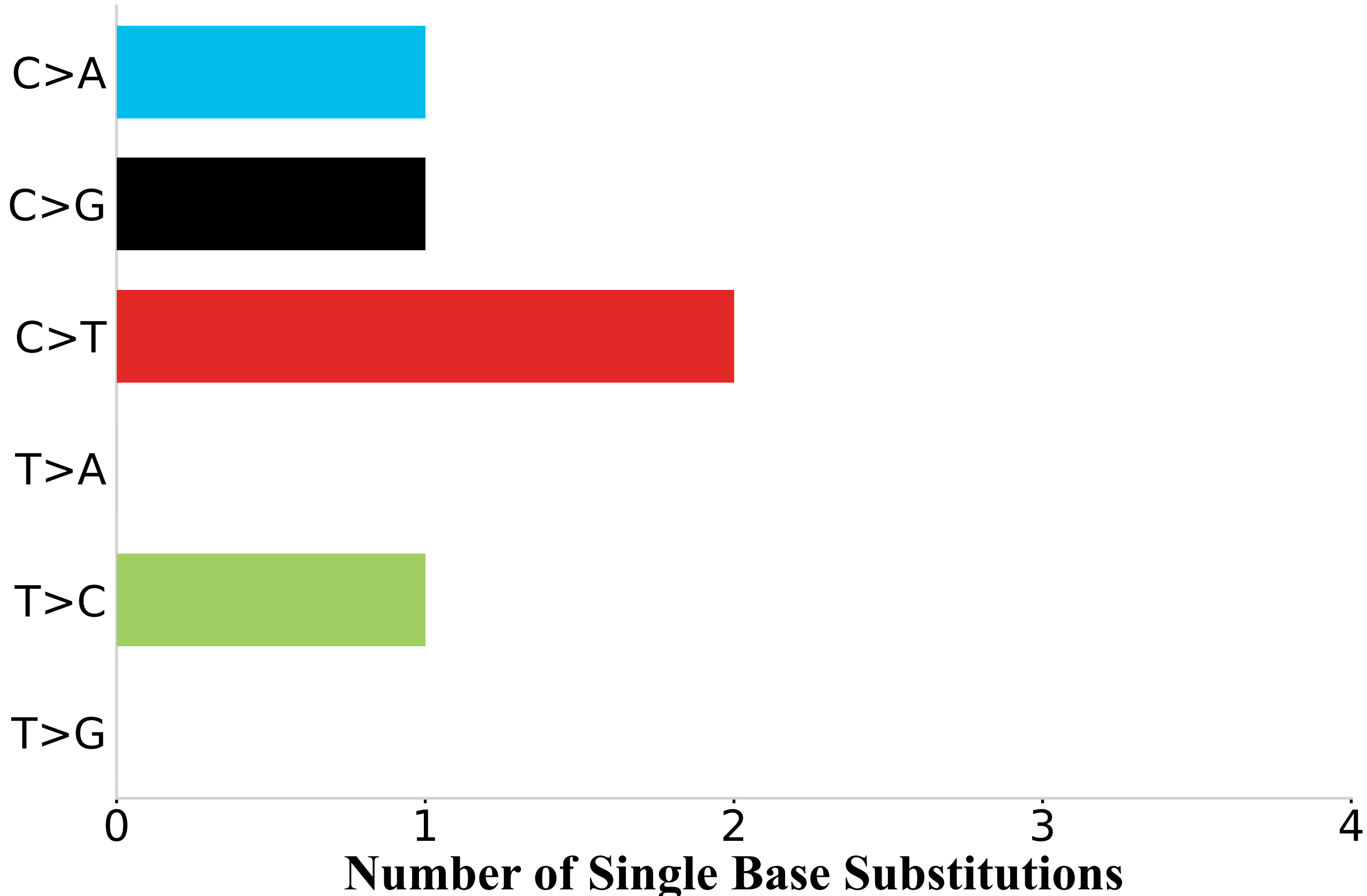
**P-0016159-T01-IM6: 3 subs**



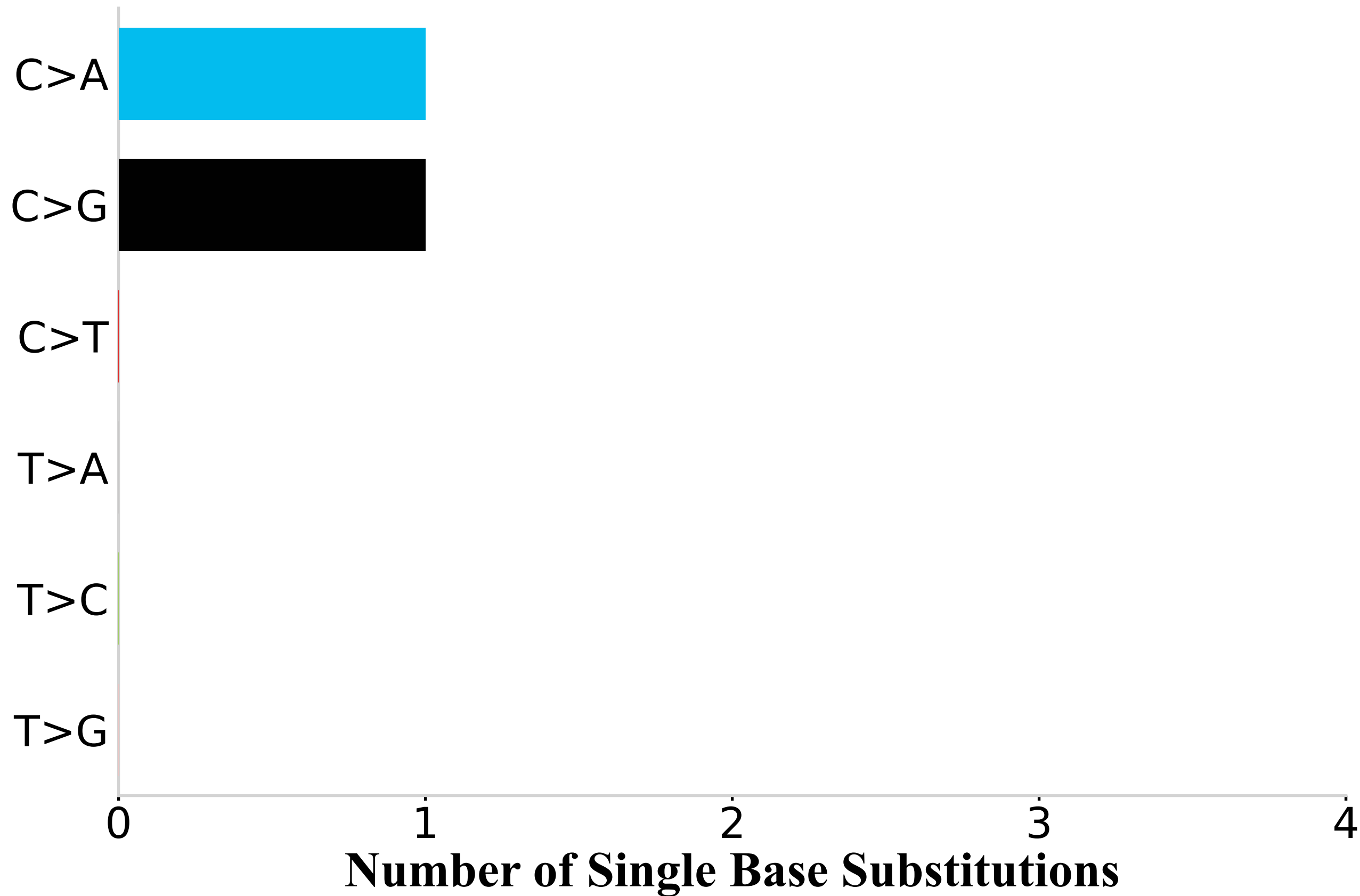
**P-0016192-T01-IM6: 1 subs**



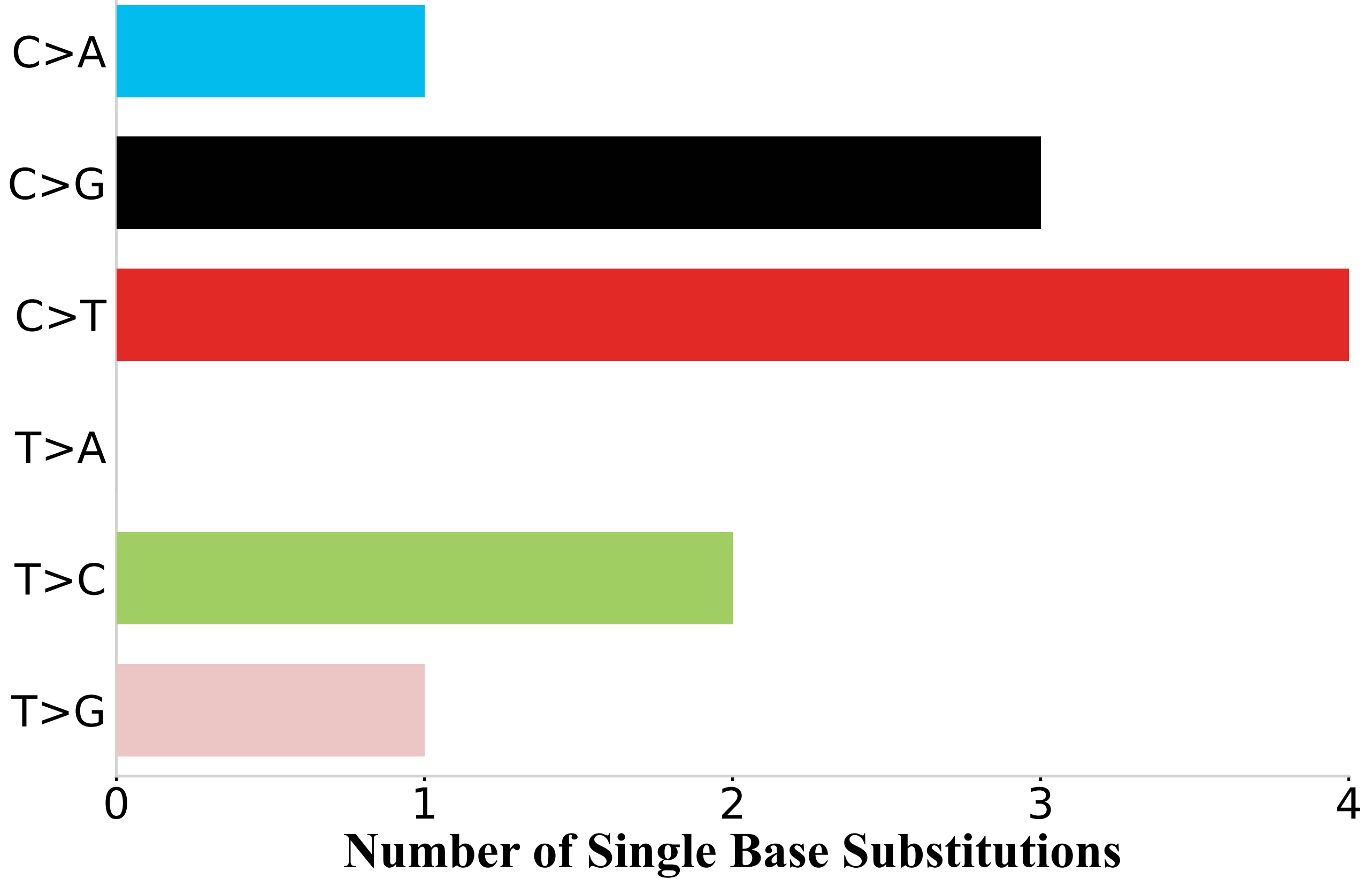
**P-0016604-T01-IM6: 5 subs**



**P-0016820-T01-IM6: 2 subs**

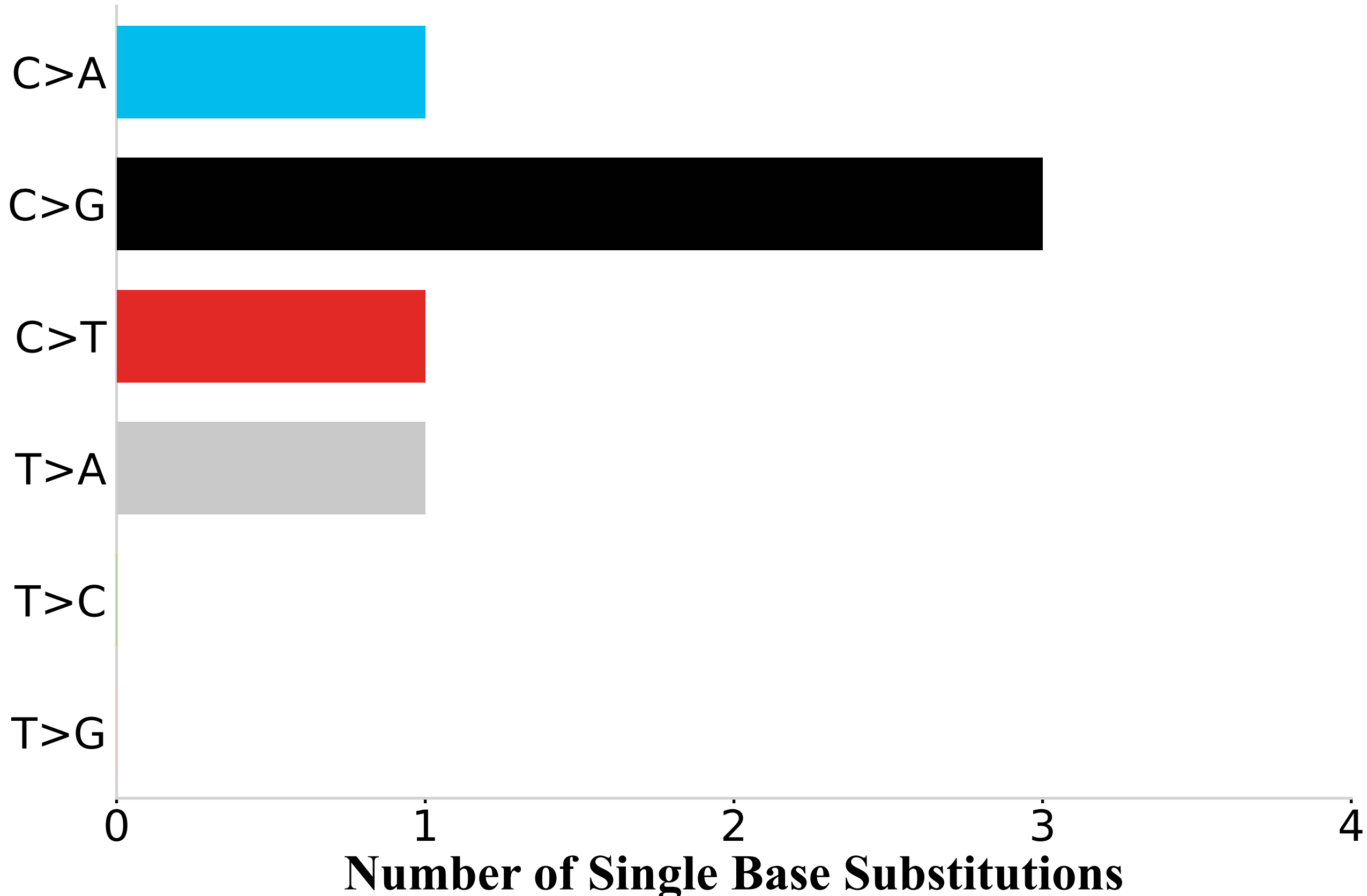


**P-0016934-T01-IM6: 11 subs**

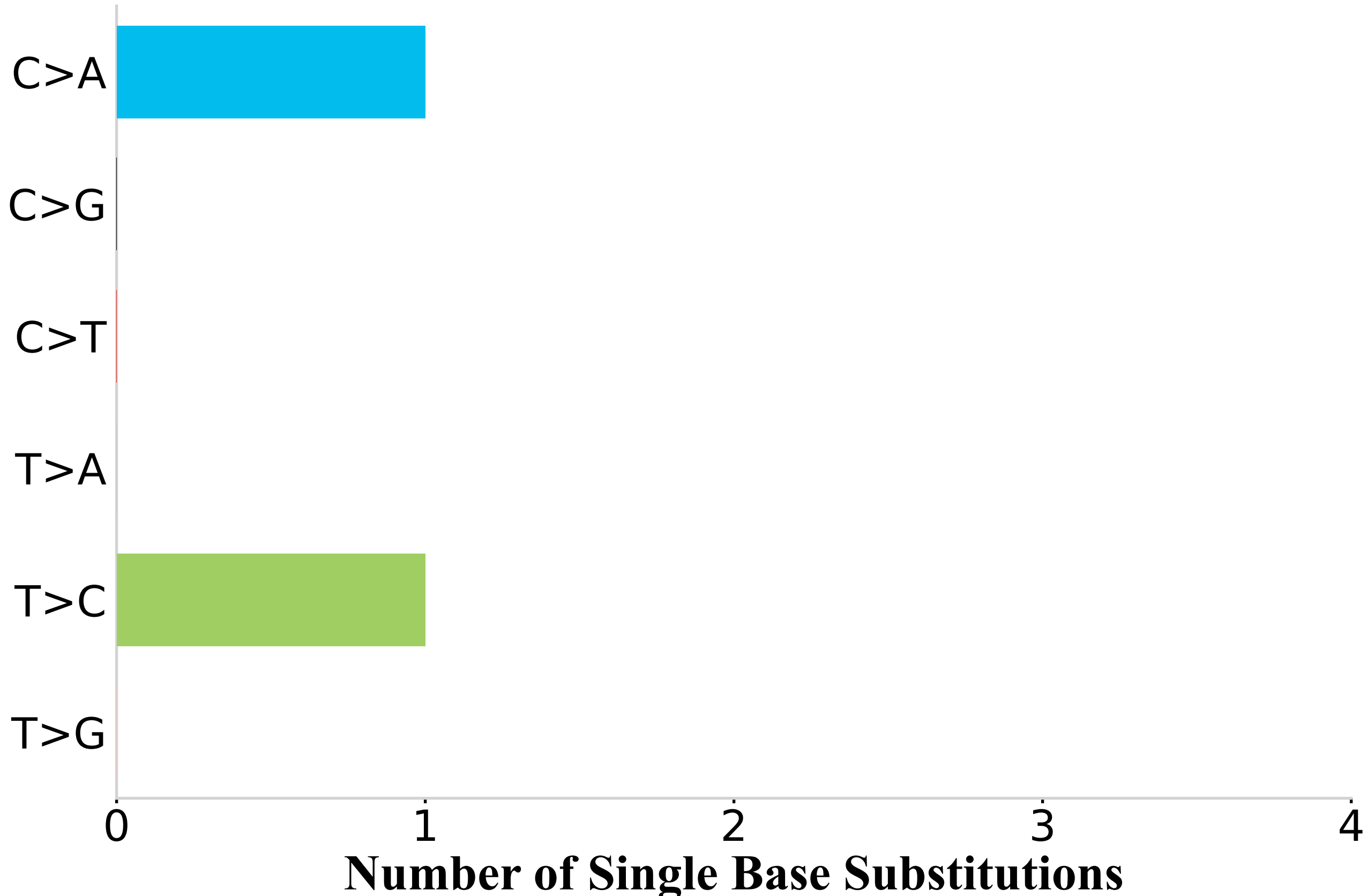




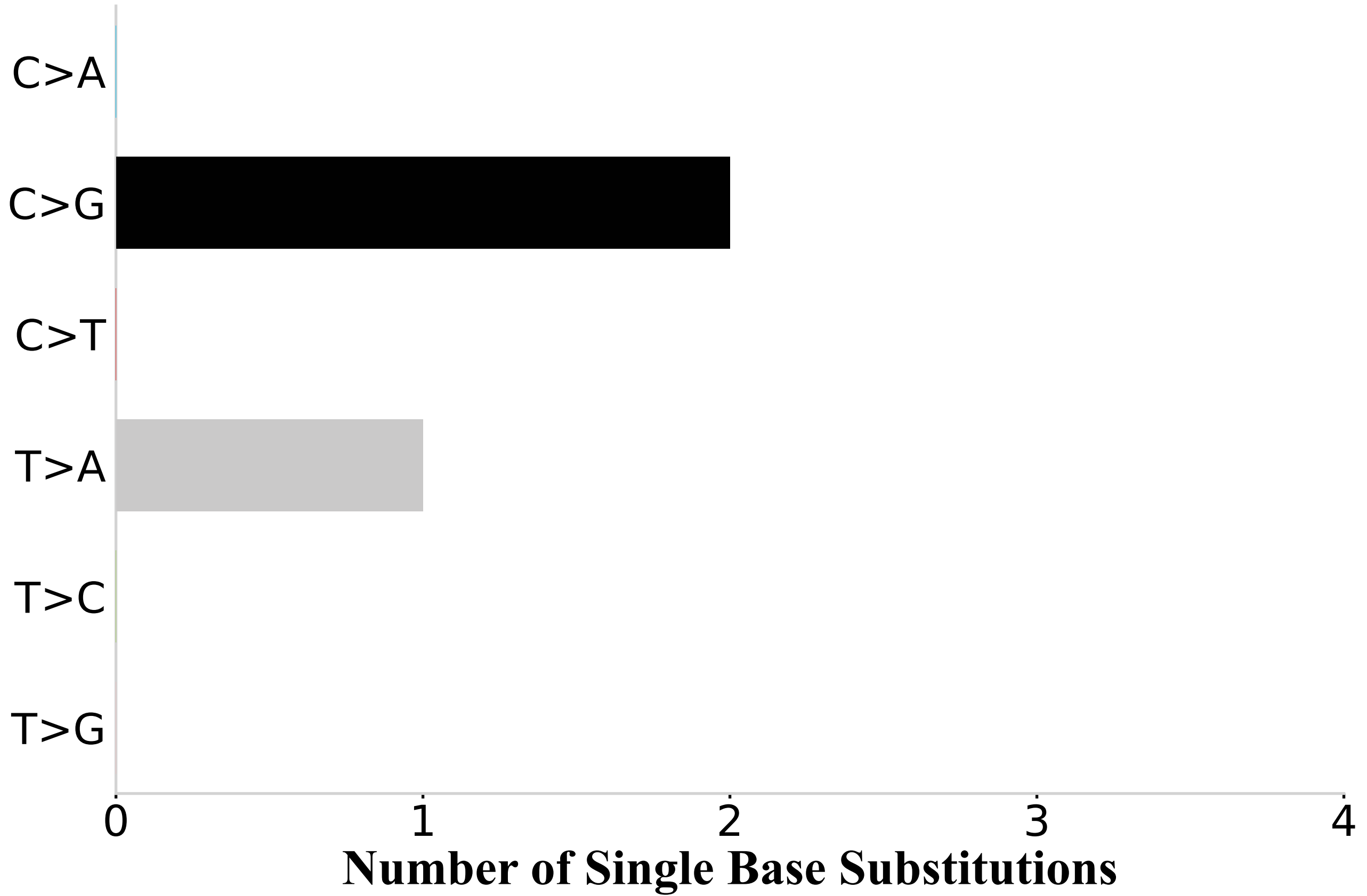
**P-0016946-T01-IM6: 6 subs**



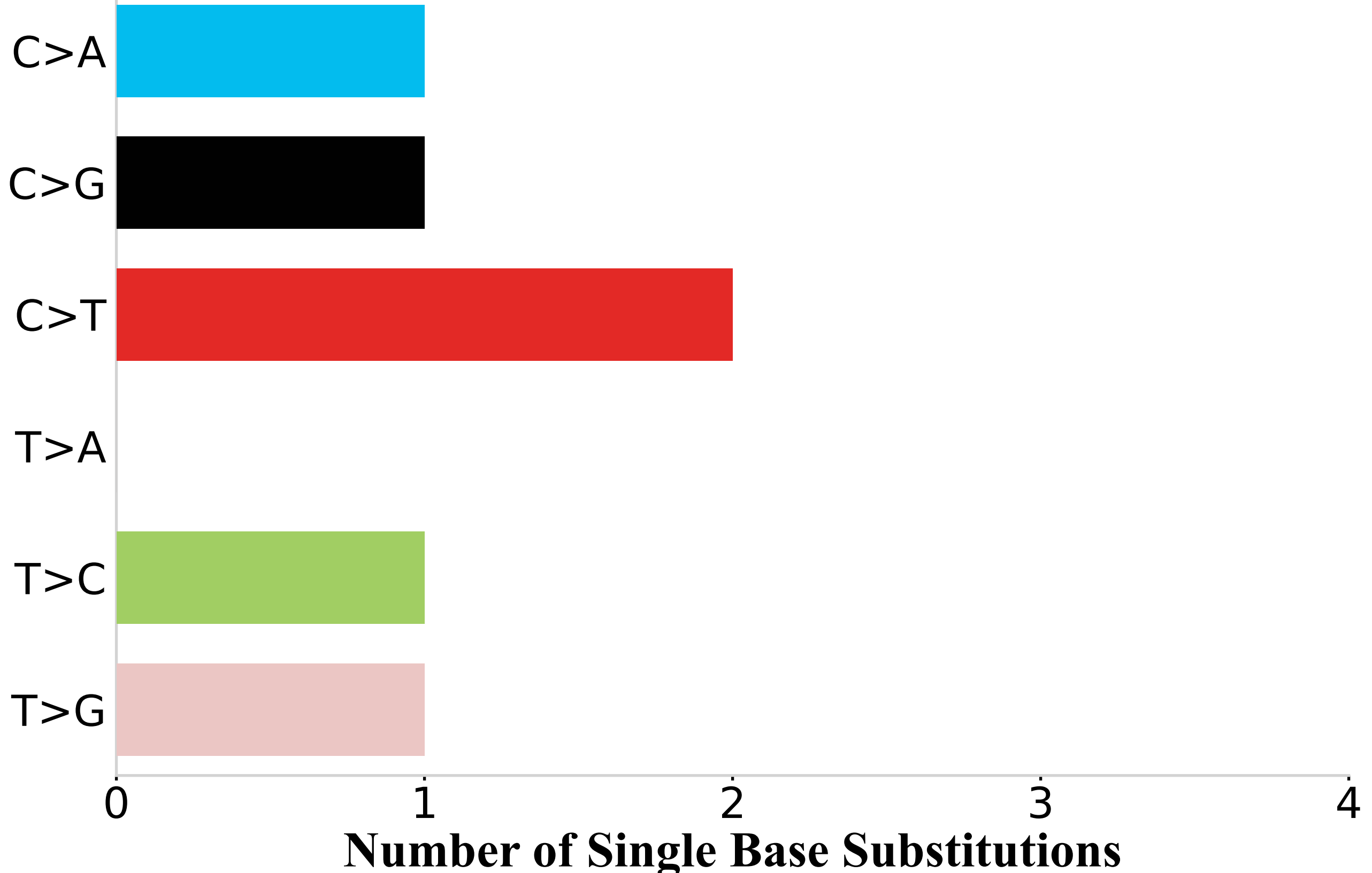
**P-0016968-T01-IM6: 2 subs**



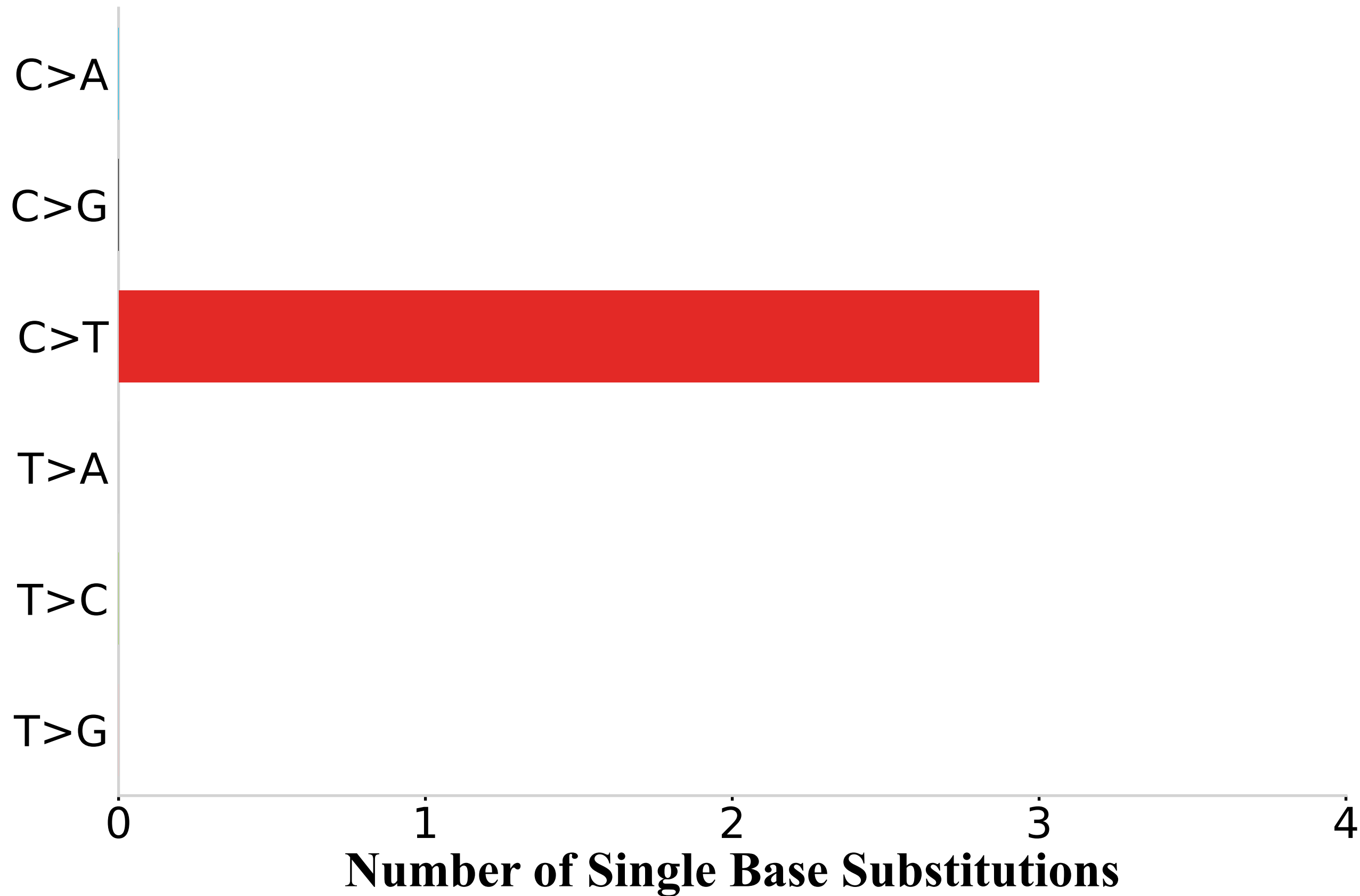
**P-0017011-T01-IM6: 3 subs**



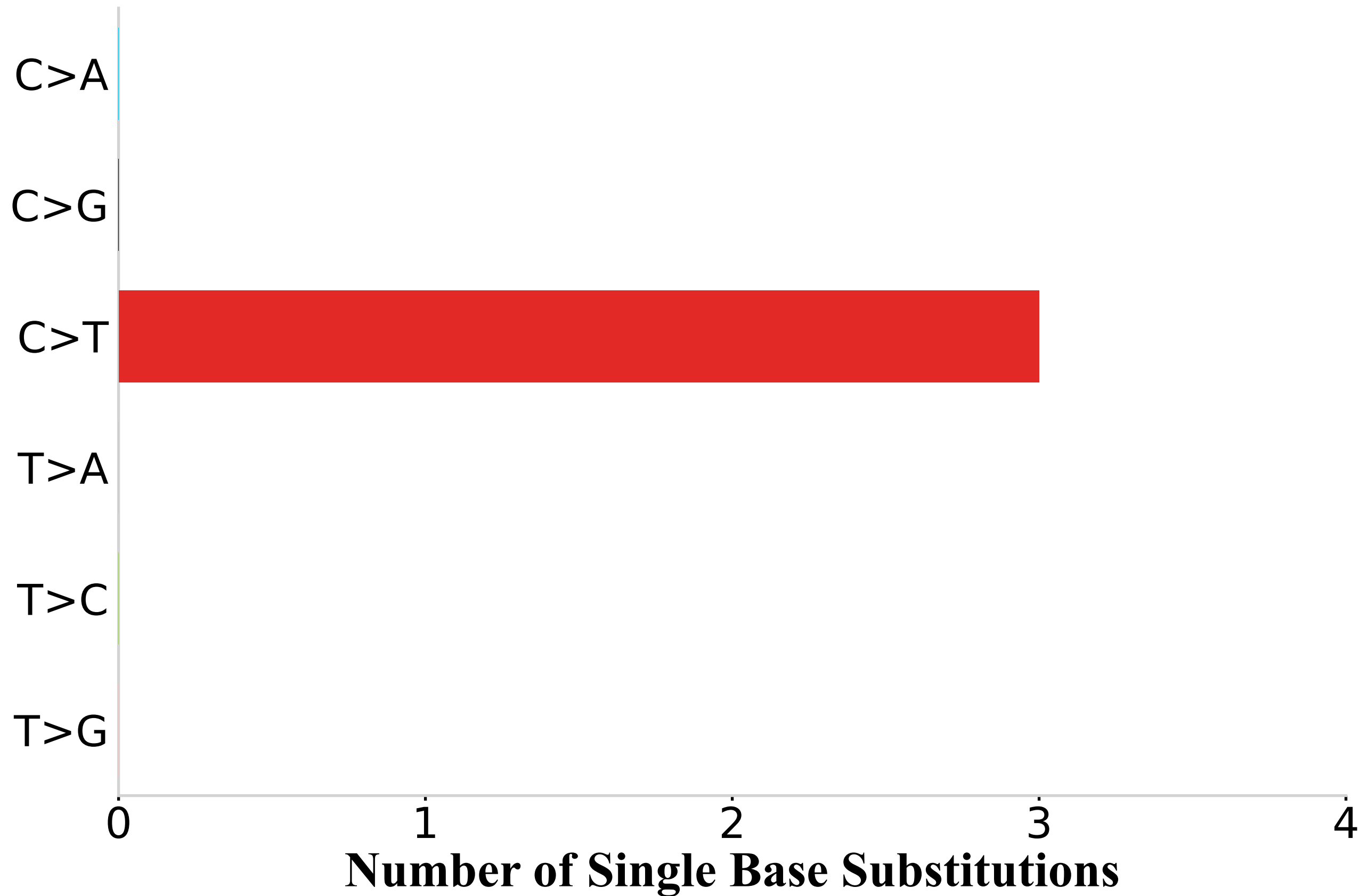
**P-0017185-T01-IM6: 6 subs**



**P-0017706-T01-IM6: 3 subs**



**P-0018008-T01-IM6: 3 subs**



**P-0018016-T01-IM6: 3 subs**

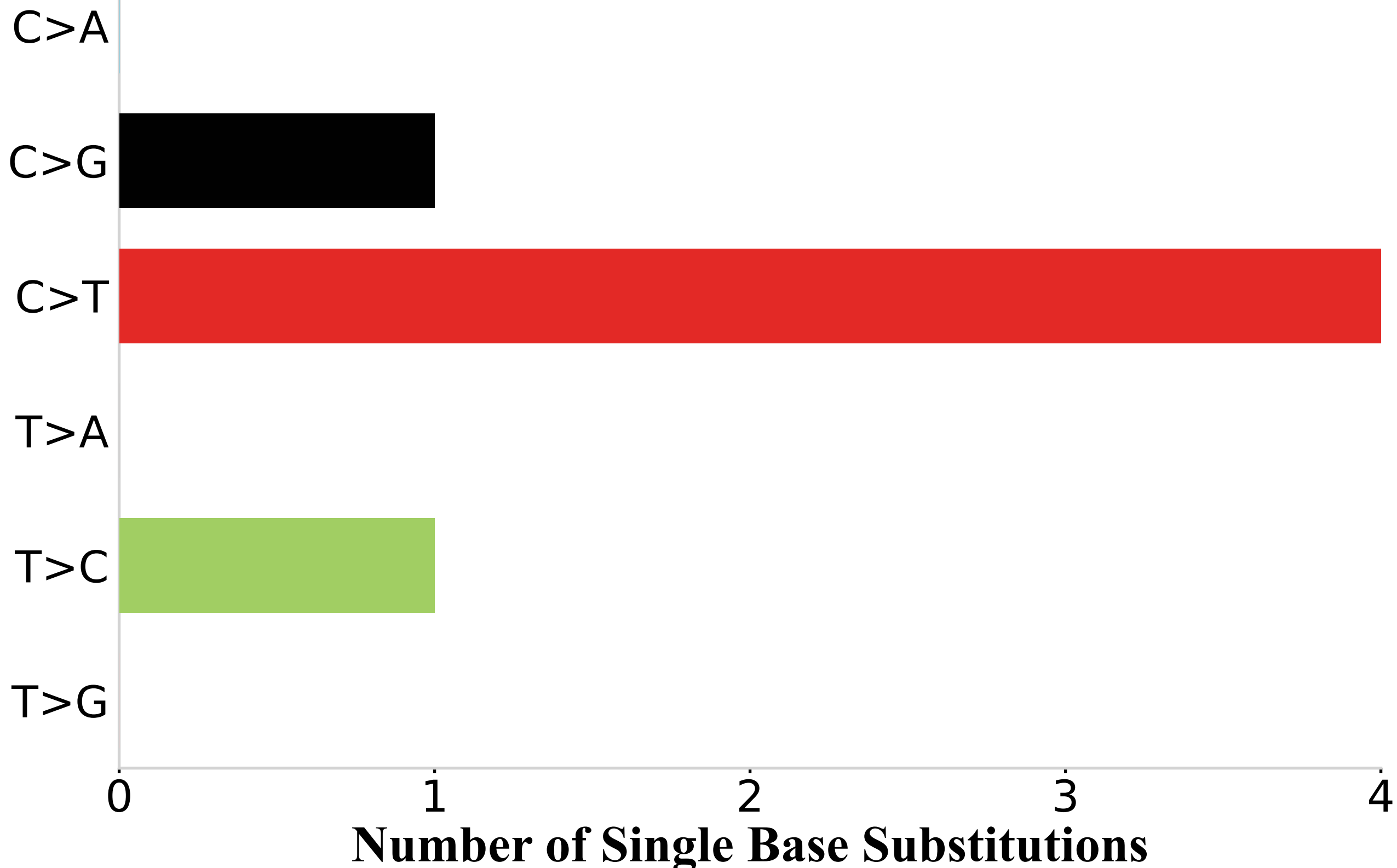


**P-0018391-T01-IM6: 2 subs**

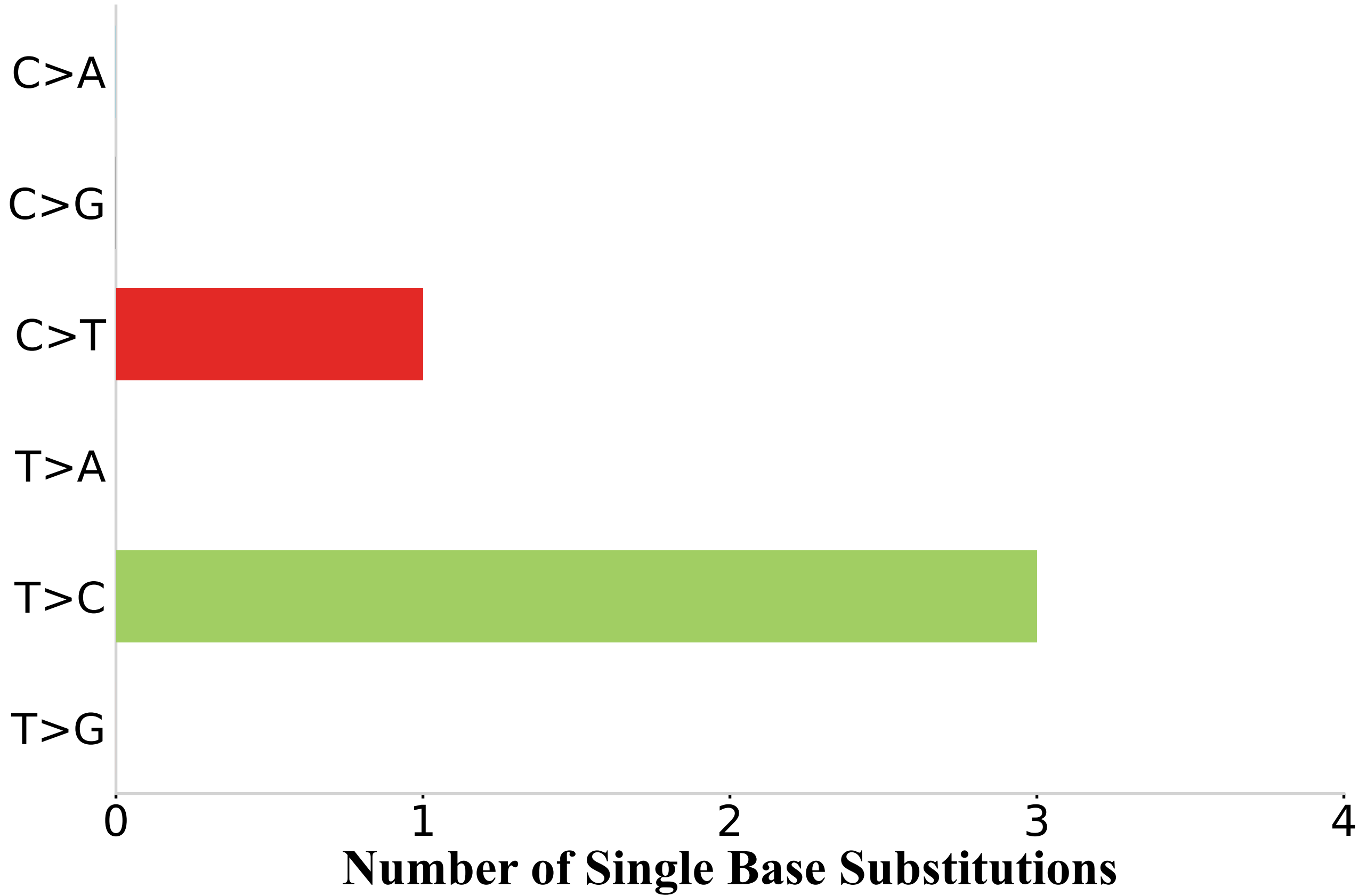




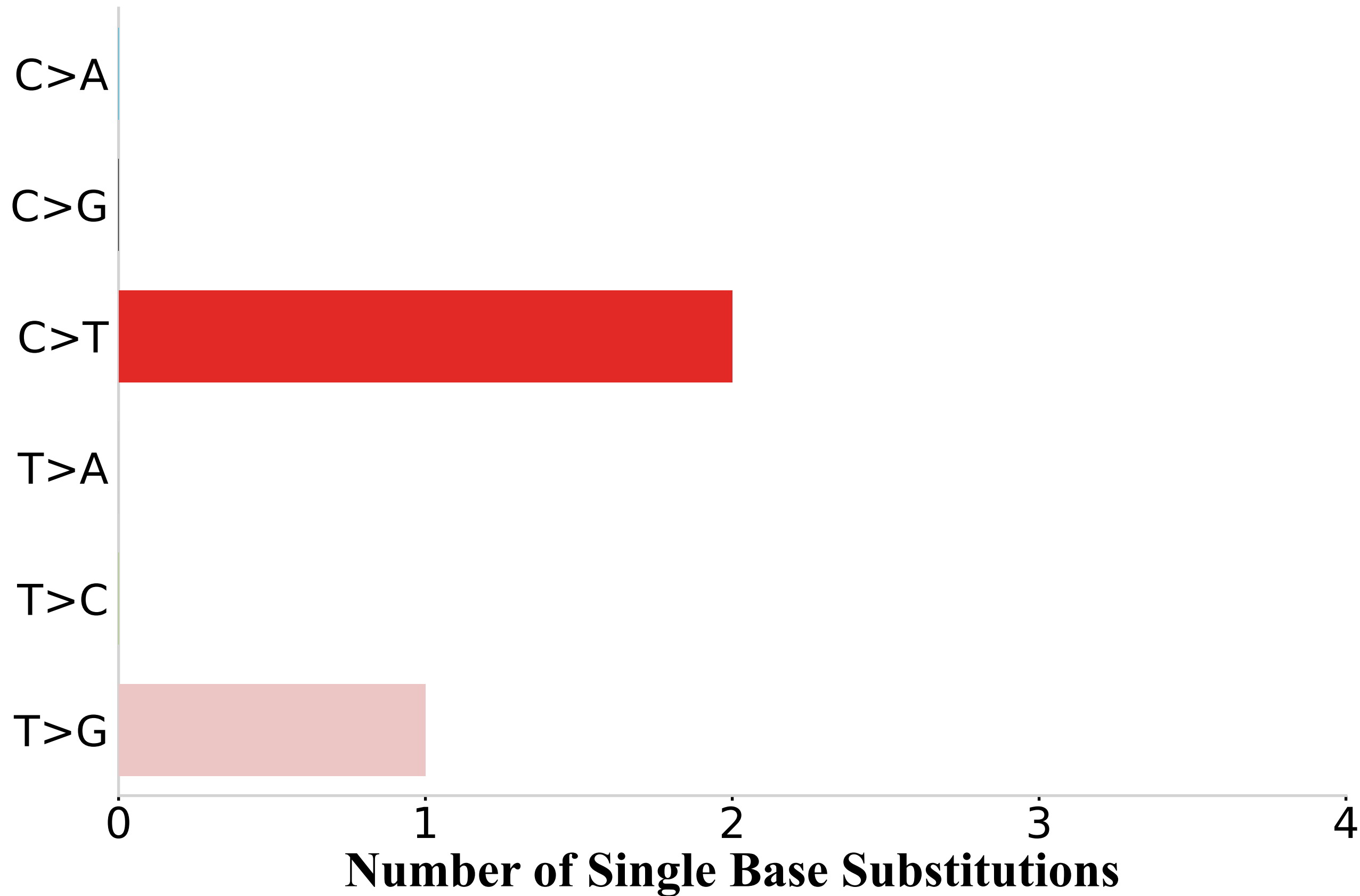
**P-0018596-T01-IM6: 6 subs**



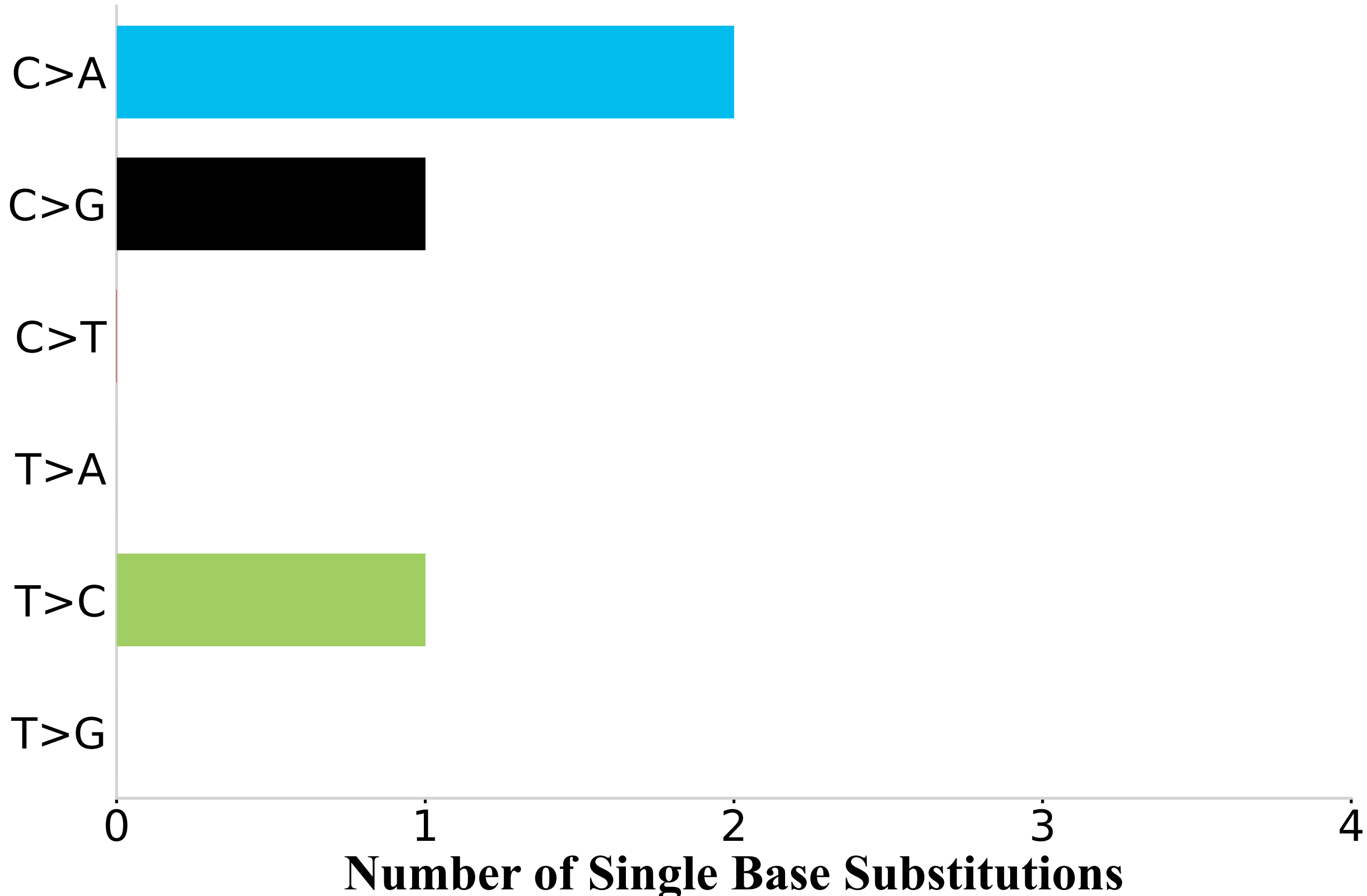
**P-0018602-T01-IM6: 4 subs**



**P-0018672-T01-IM6: 3 subs**



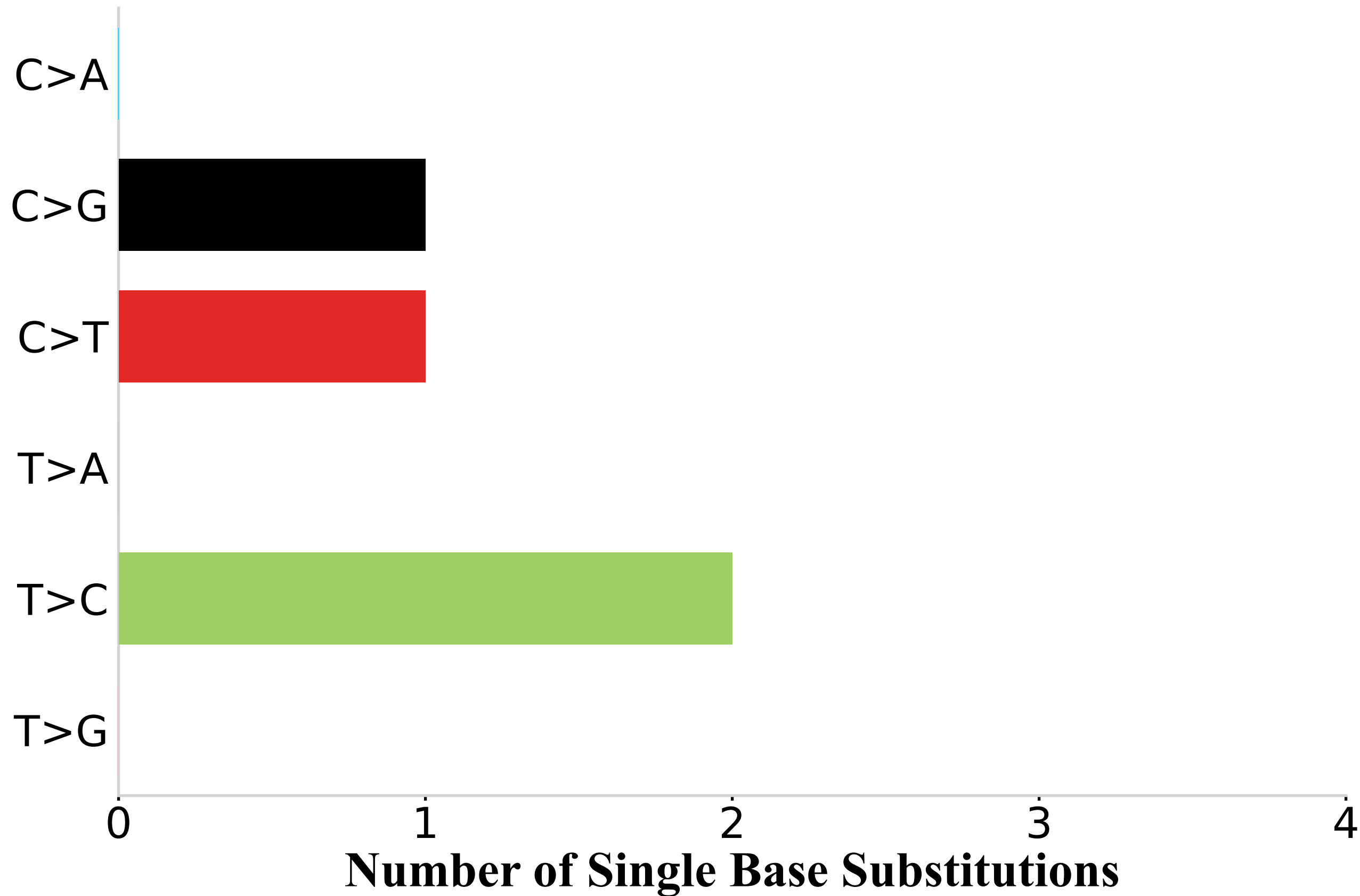
**P-0019460-T01-IM6: 4 subs**



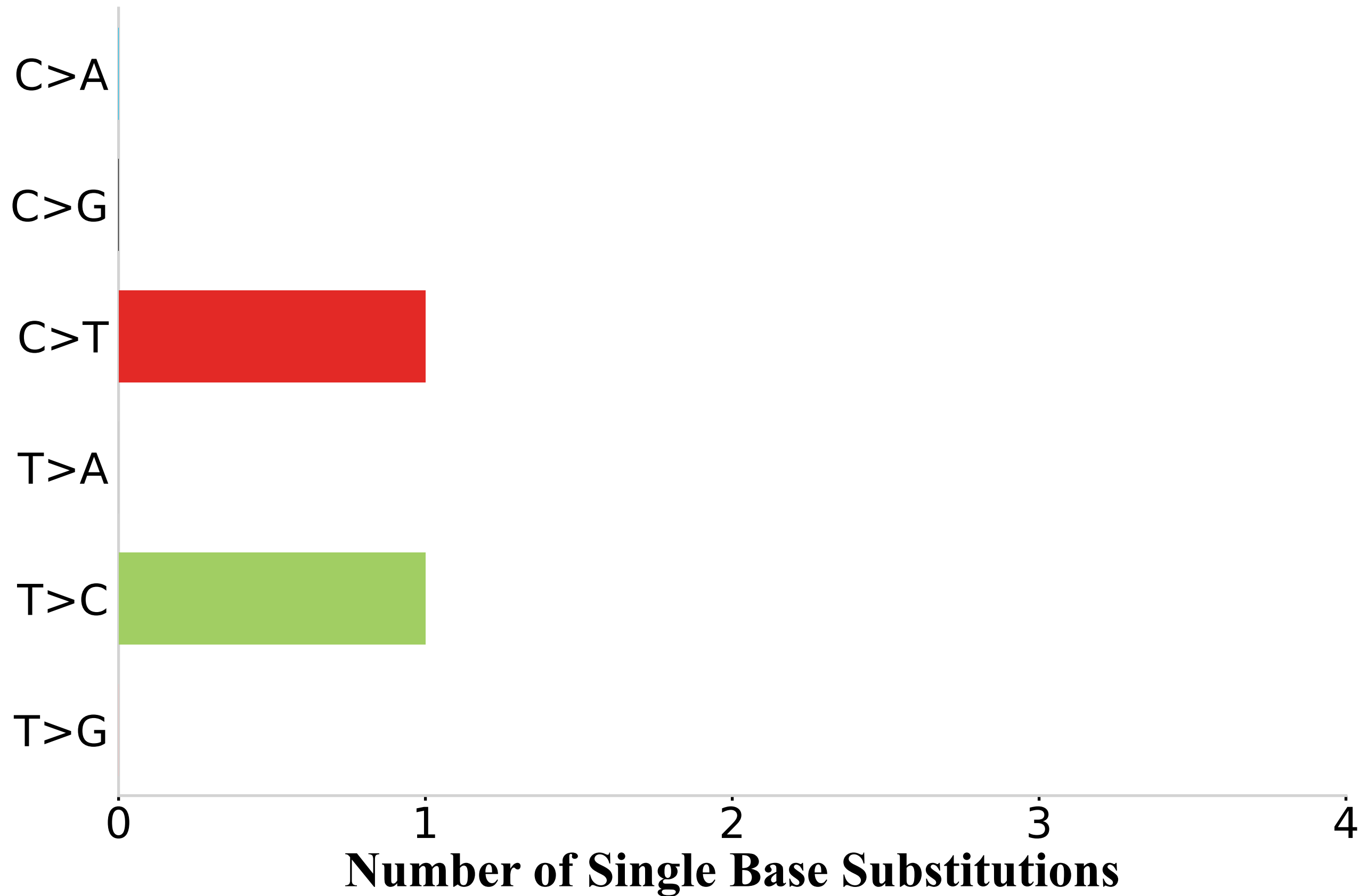
**P-0019489-T01-IM6: 2 subs**



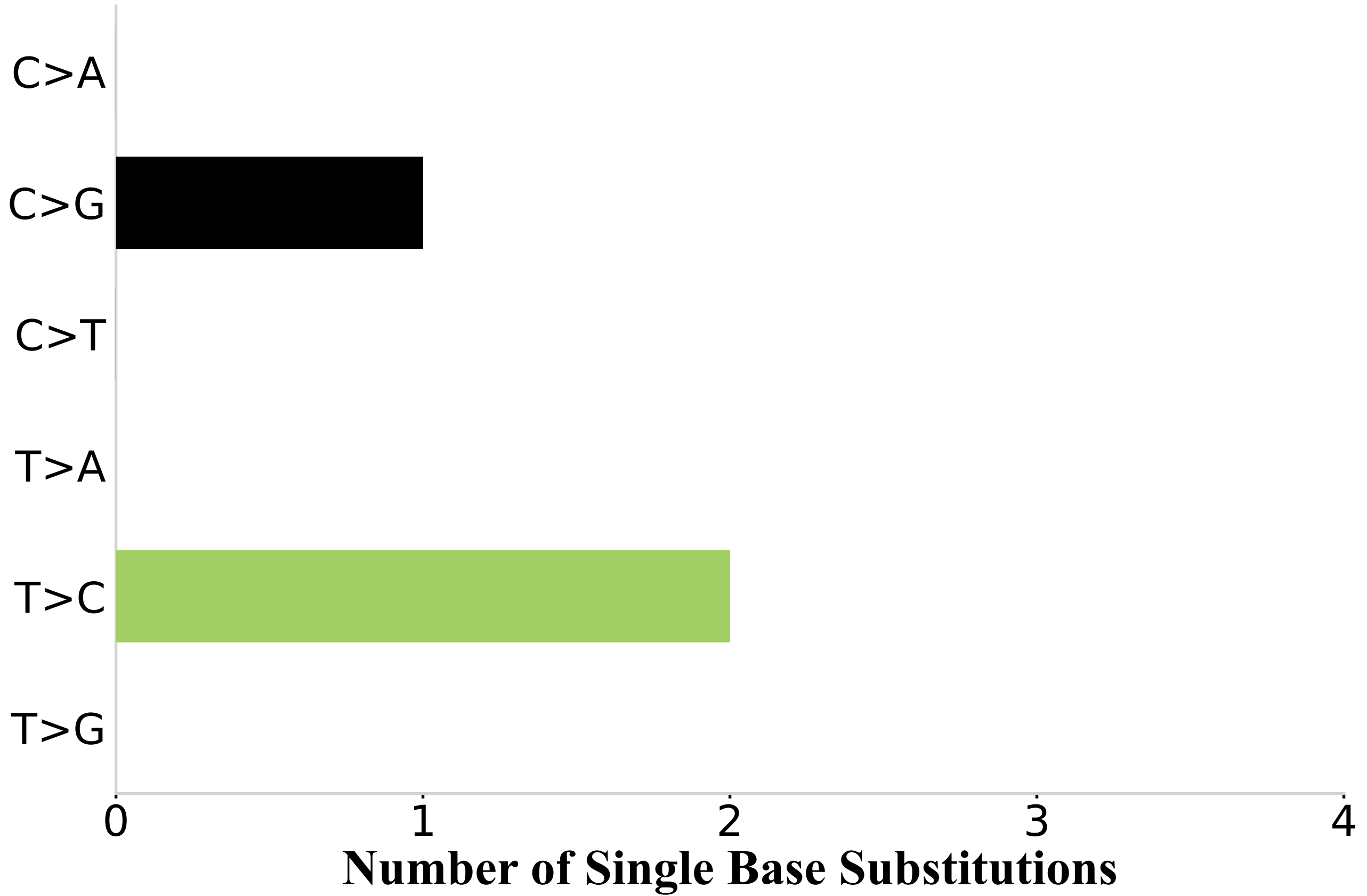
**P-0019579-T01-IM6: 4 subs**



**P-0019622-T01-IM6: 2 subs**

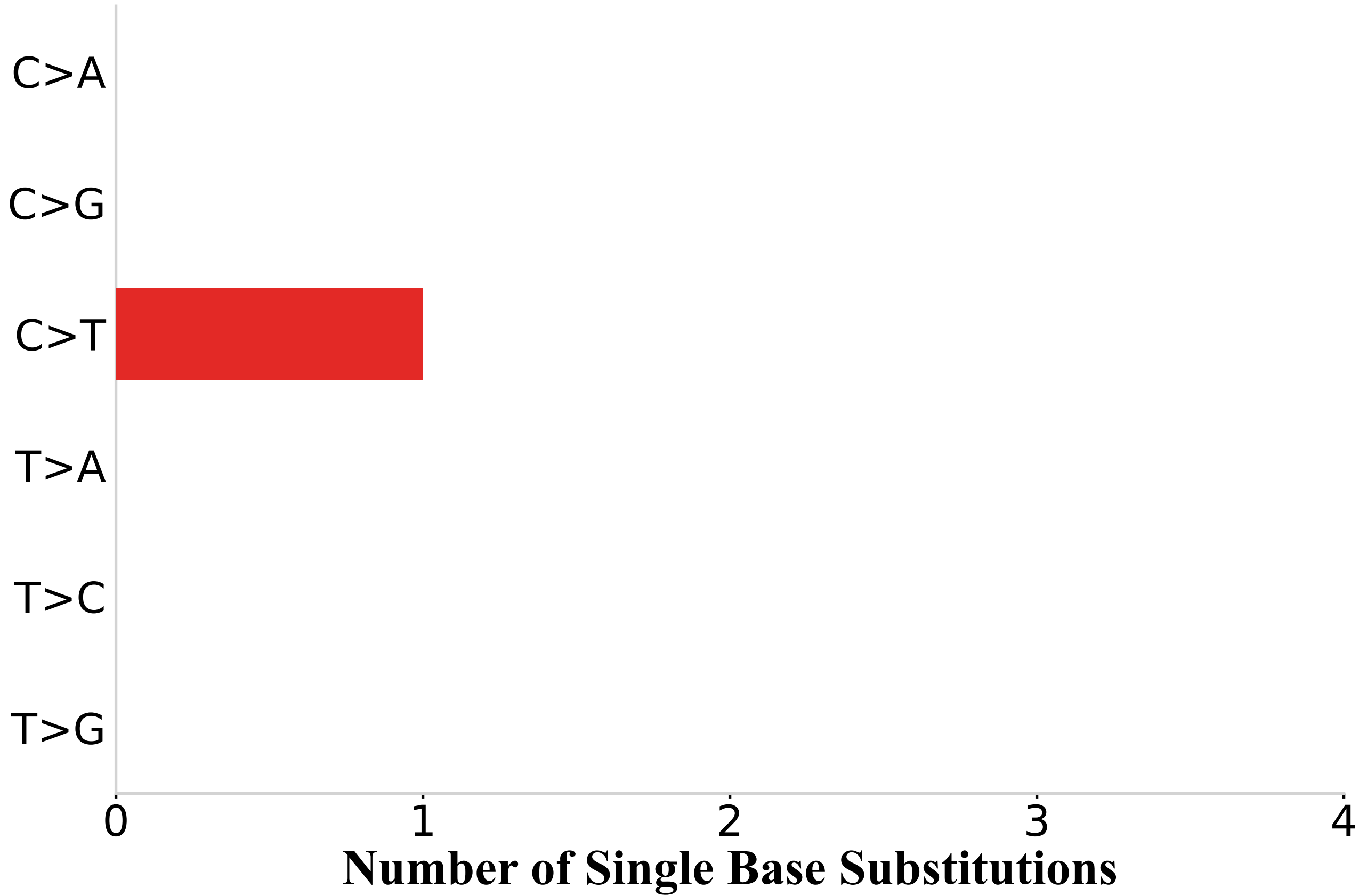


**P-0019661-T01-IM6: 3 subs**

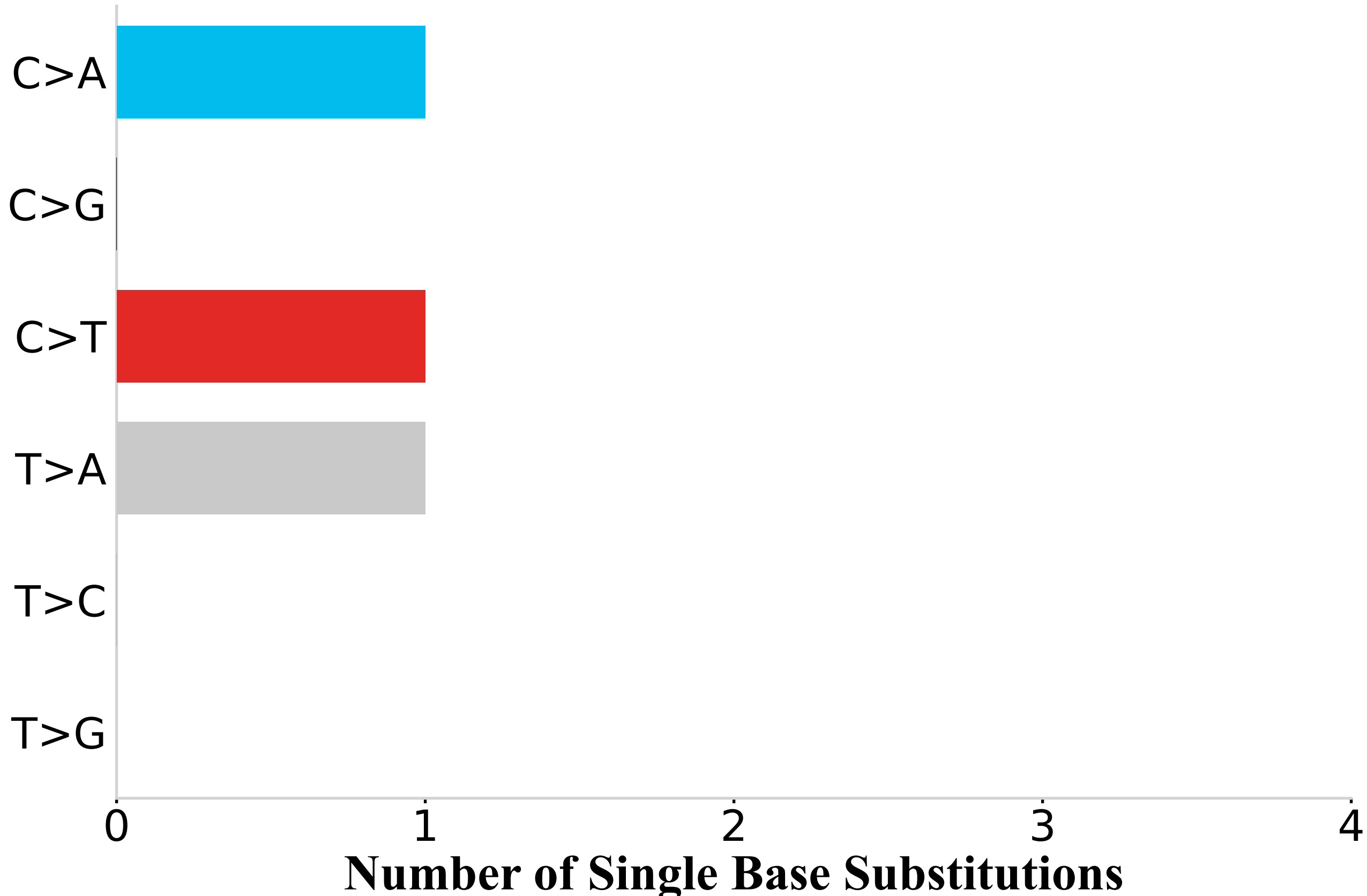




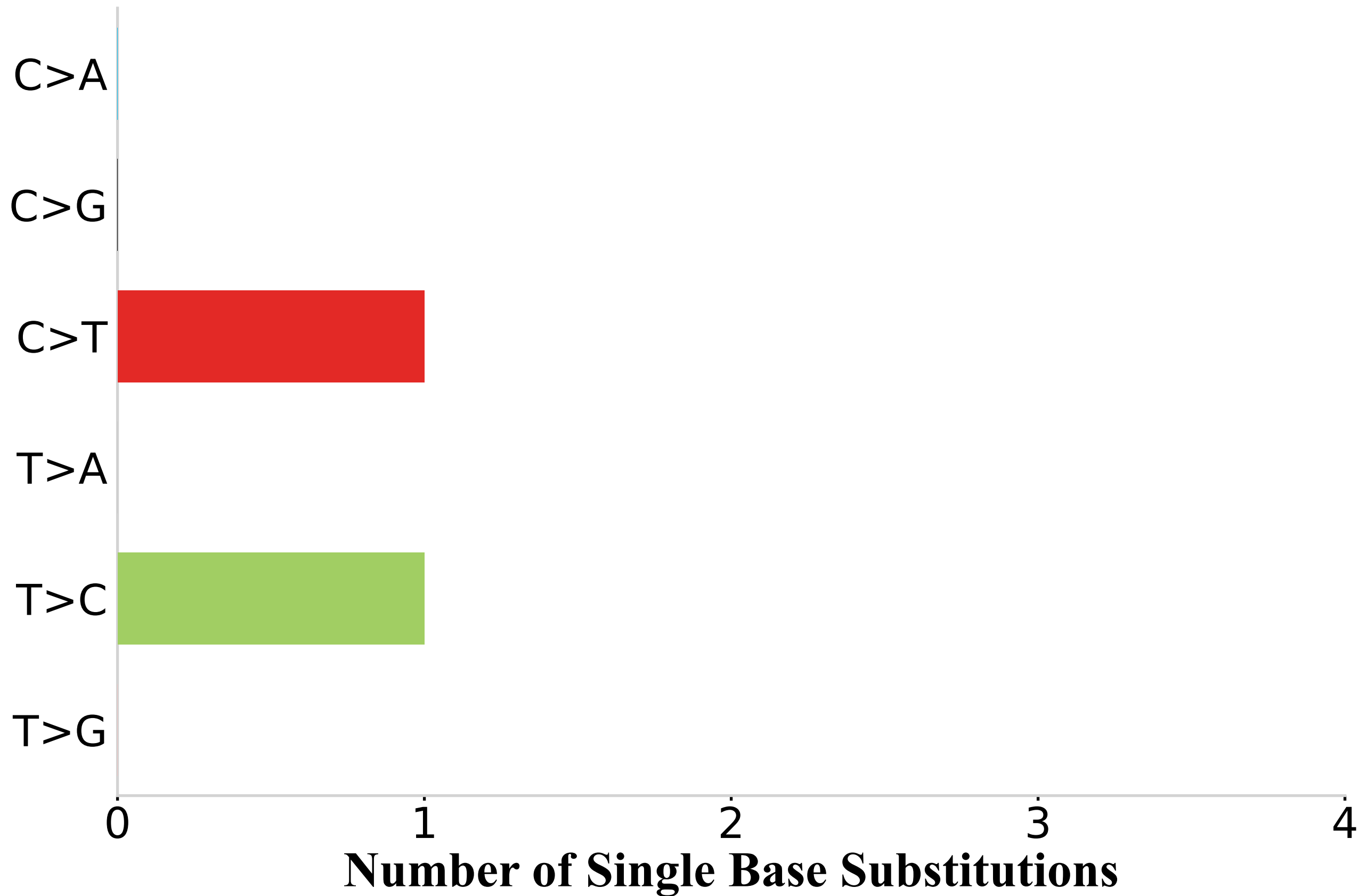
**P-0019755-T01-IM6: 1 subs**



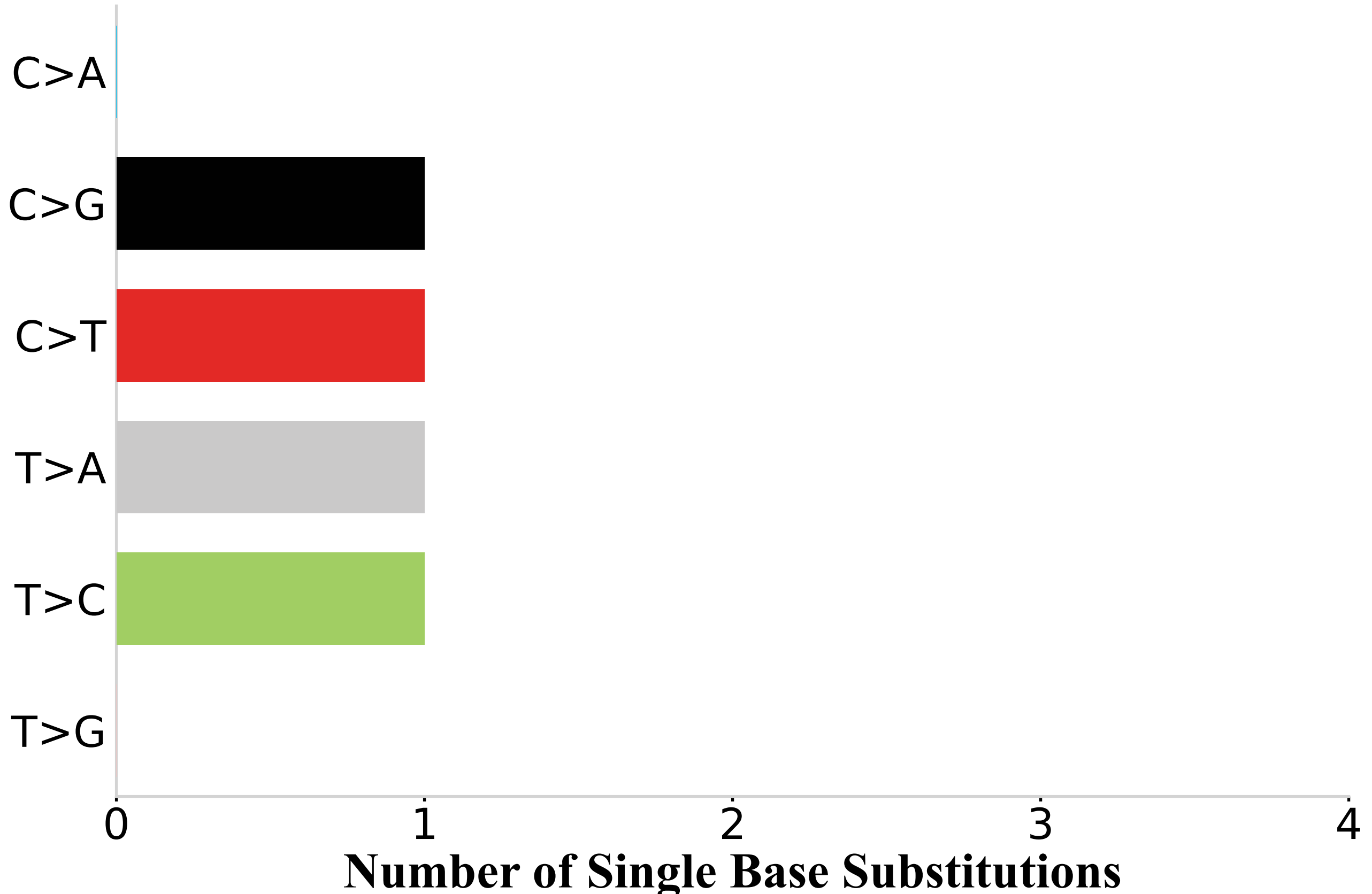
**P-0019776-T01-IM6: 3 subs**



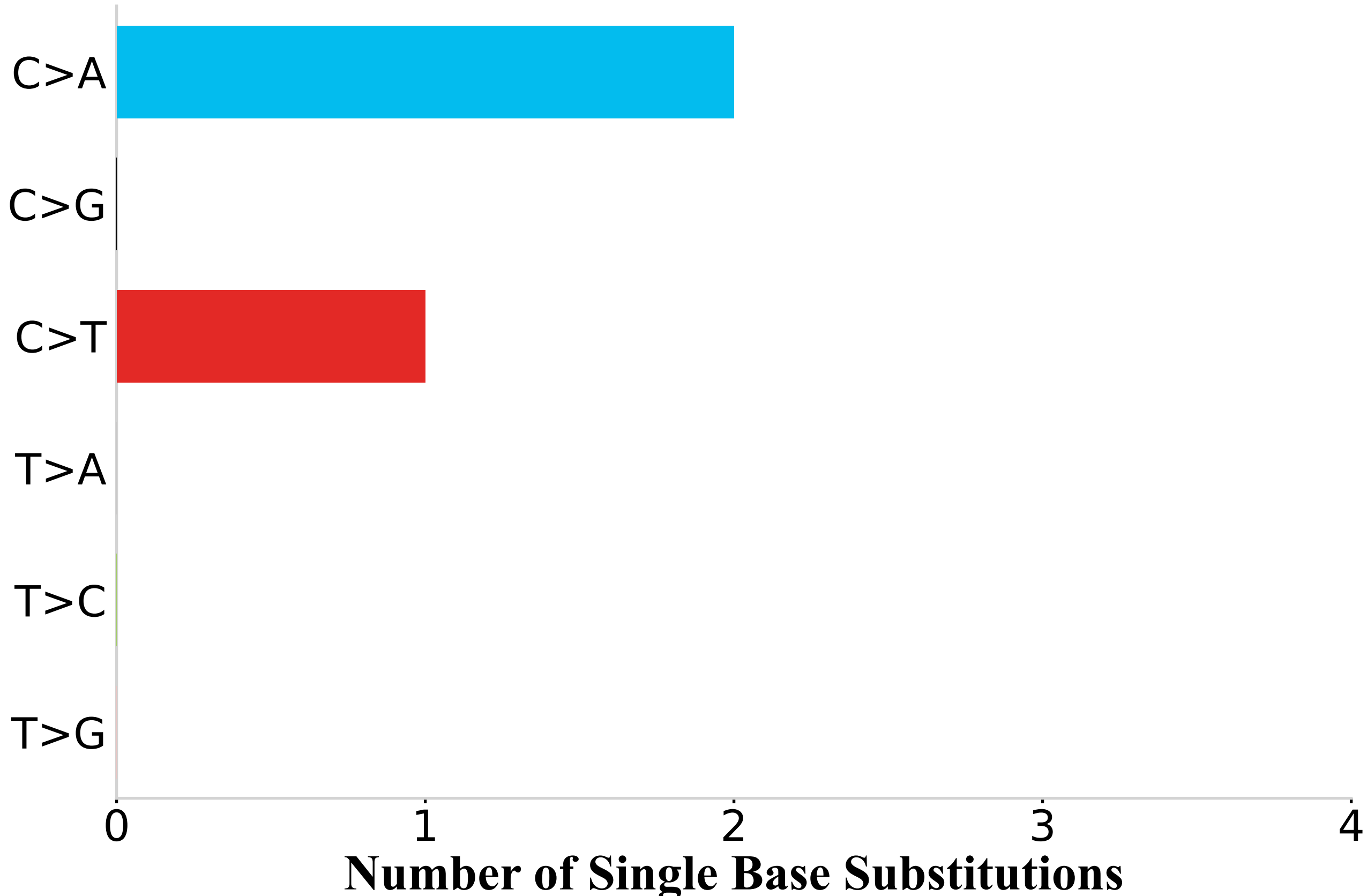
**P-0019792-T01-IM6: 2 subs**



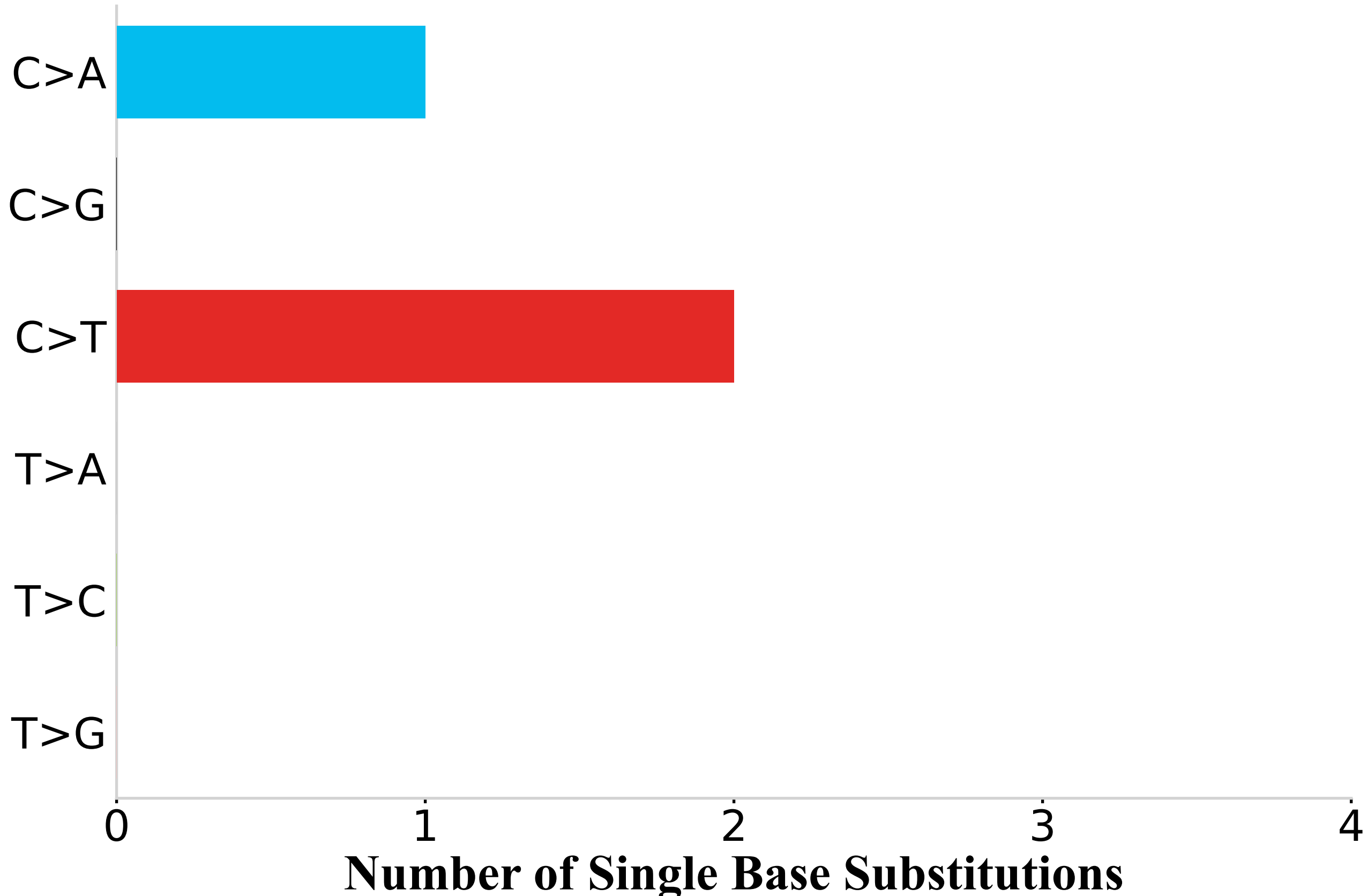
**P-0020622-T01-IM6: 4 subs**



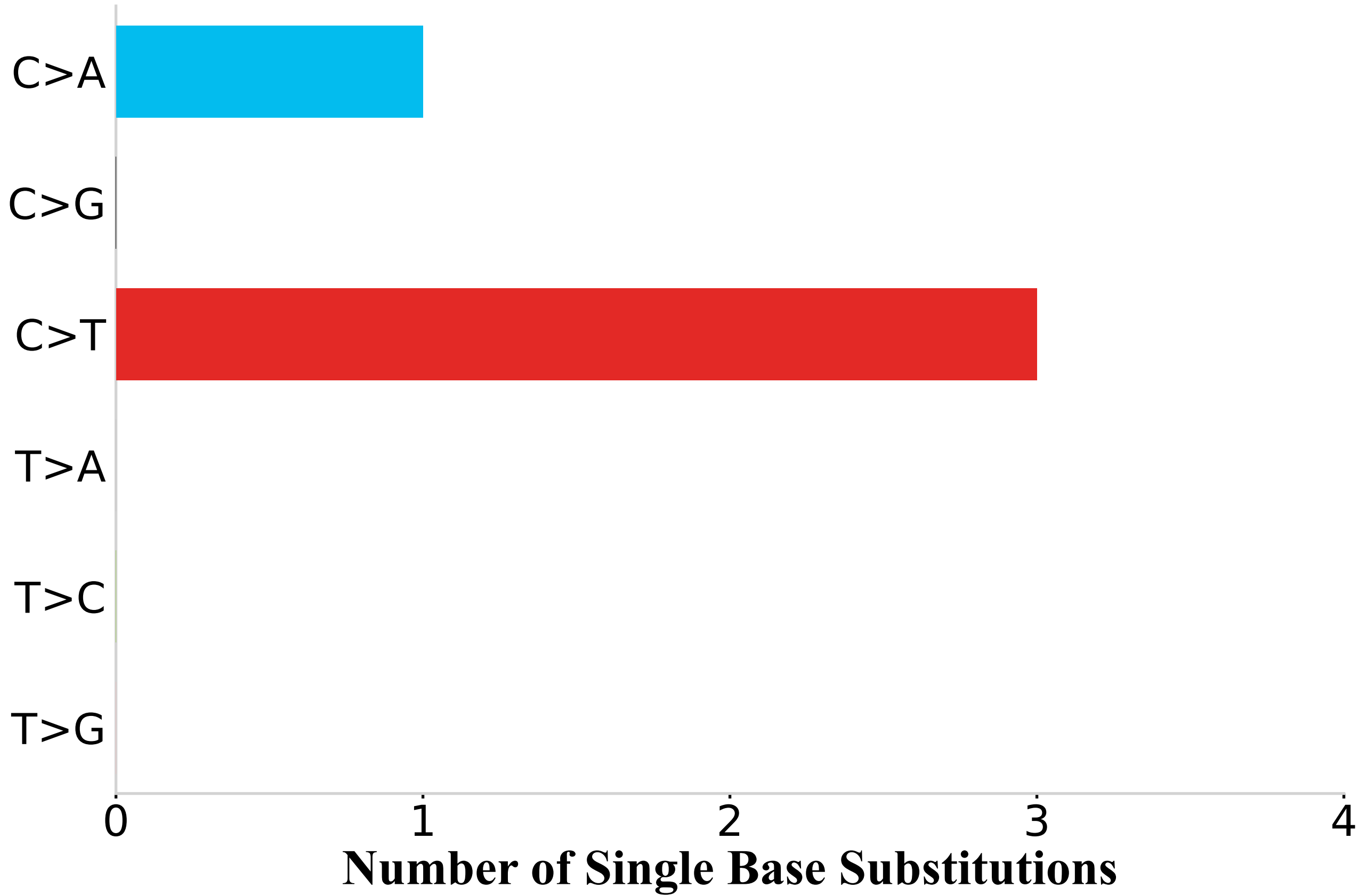
**P-0021008-T01-IM6: 3 subs**



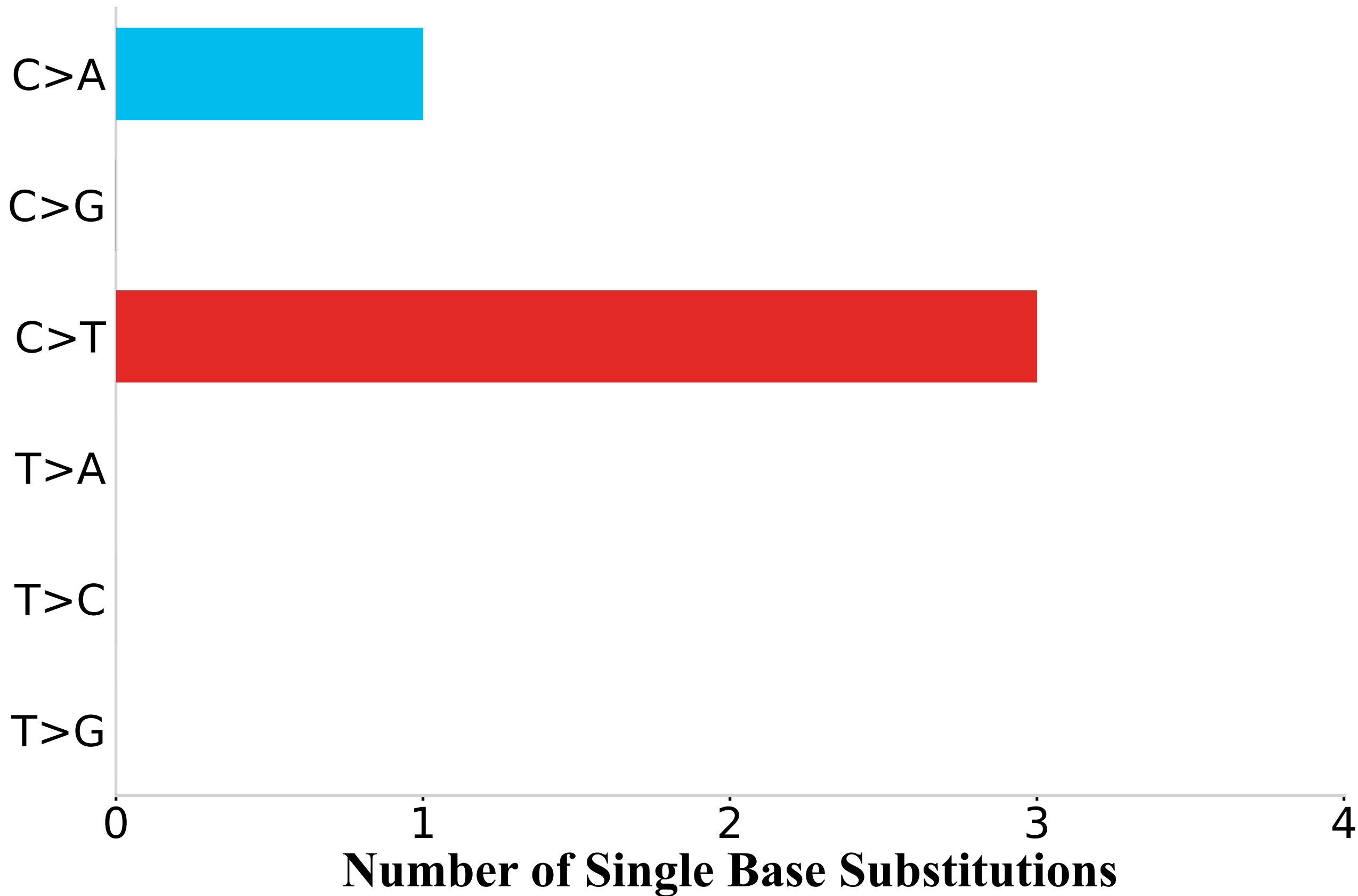
**P-0022052-T01-IM6: 3 subs**



**P-0022110-T01-IM6: 4 subs**

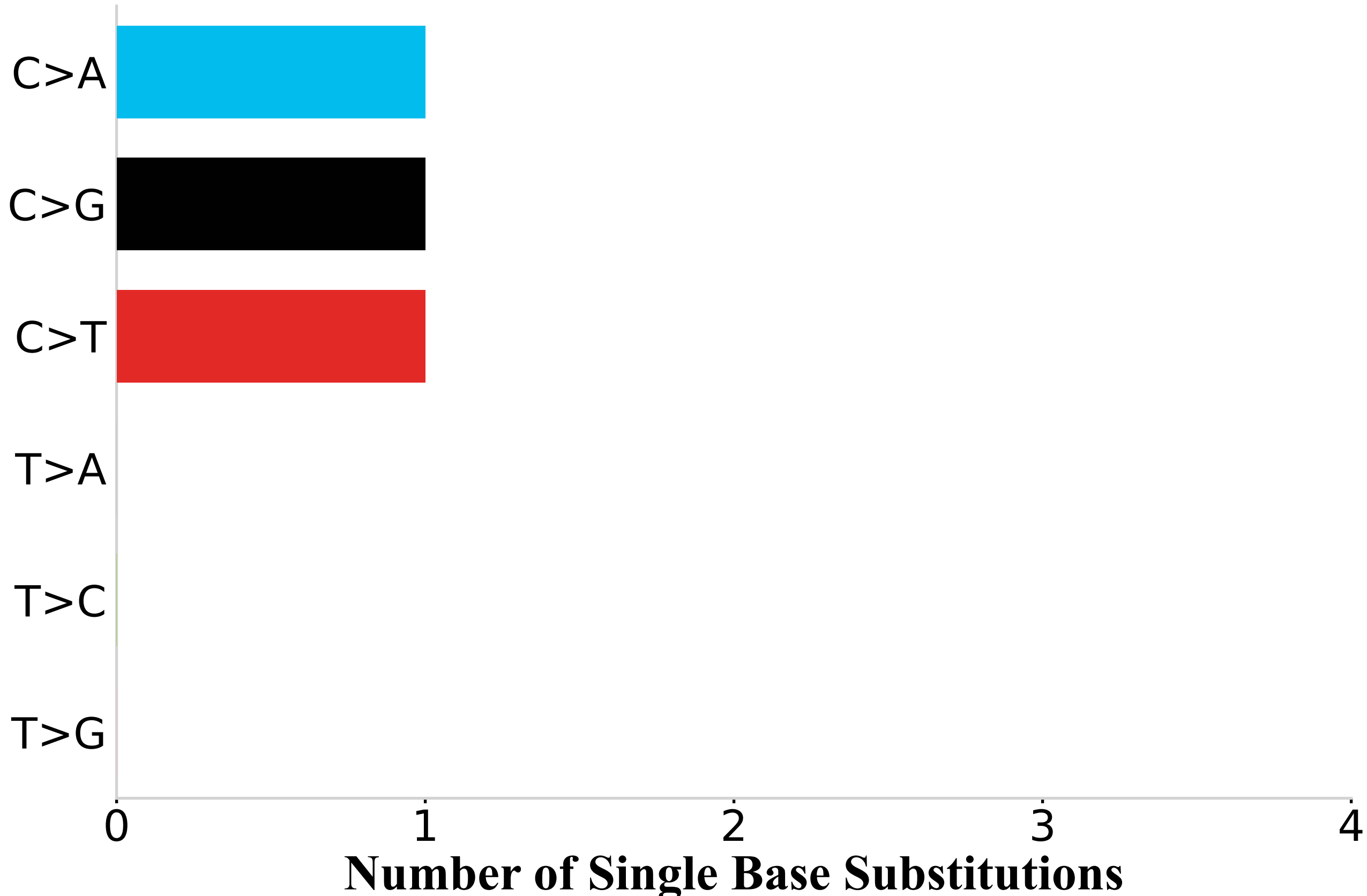


**P-0022919-T01-IM6: 4 subs**

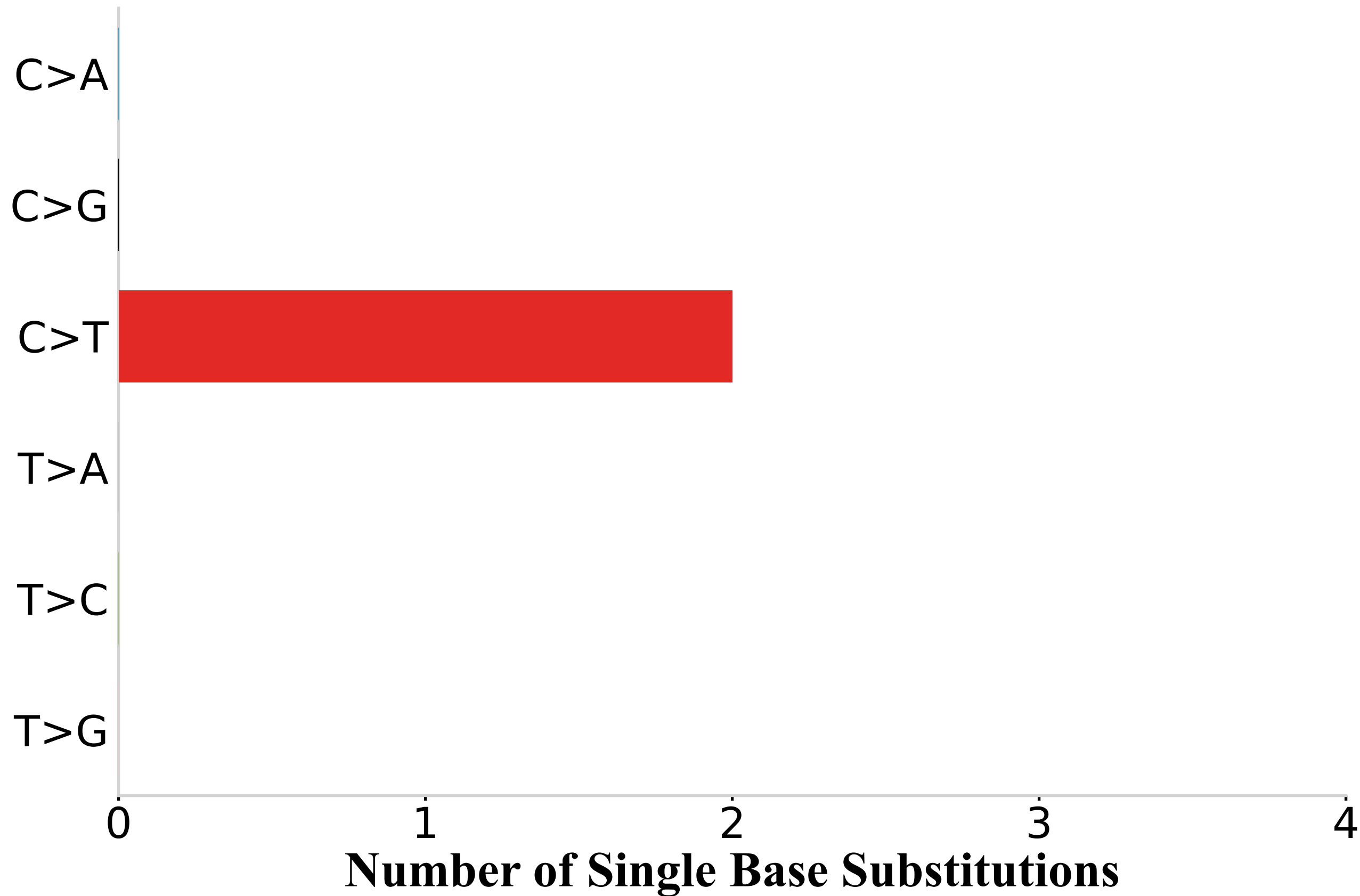




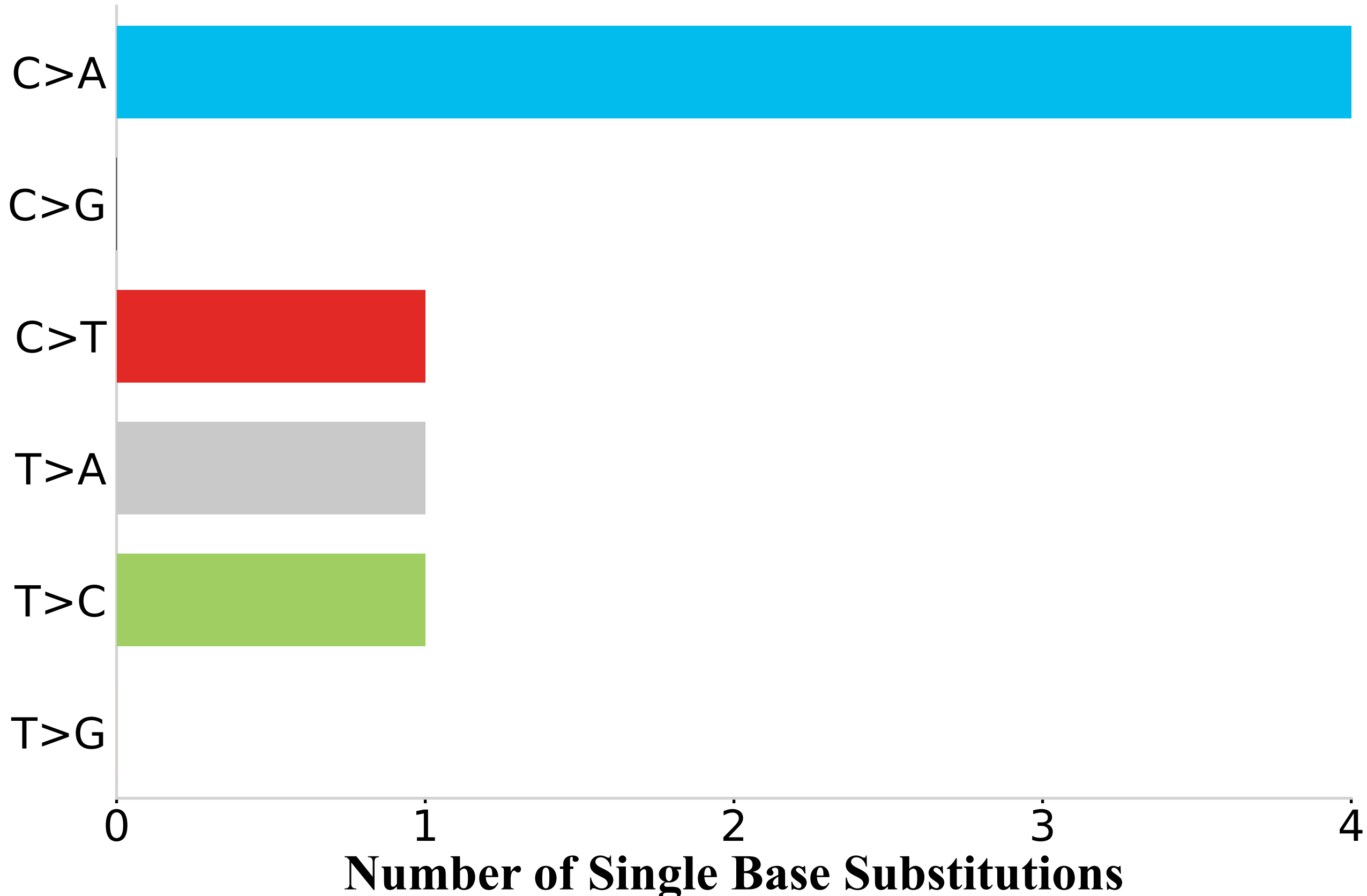
**P-0023344-T01-IM6: 3 subs**



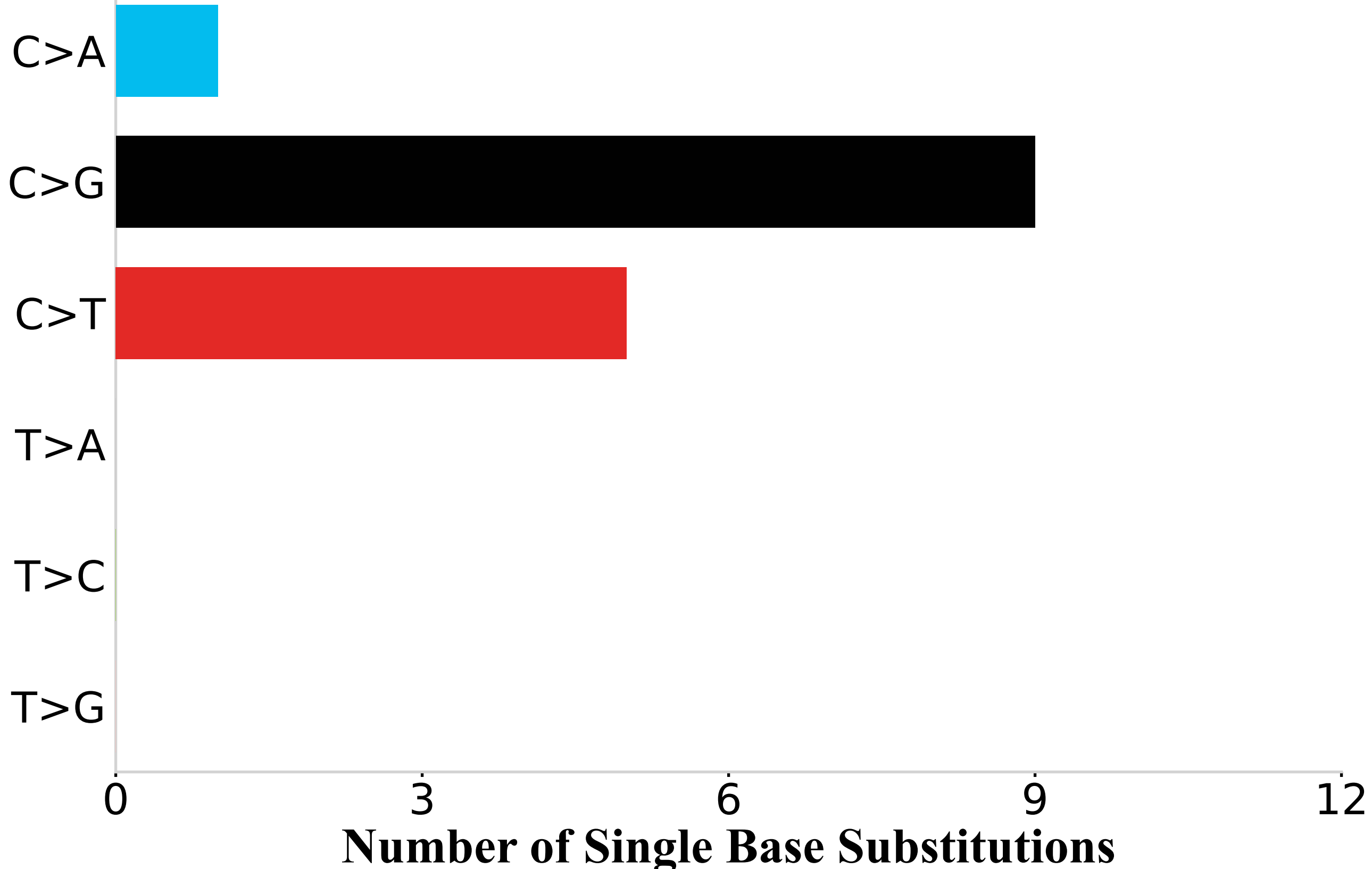
**P-0023953-T01-IM6: 2 subs**



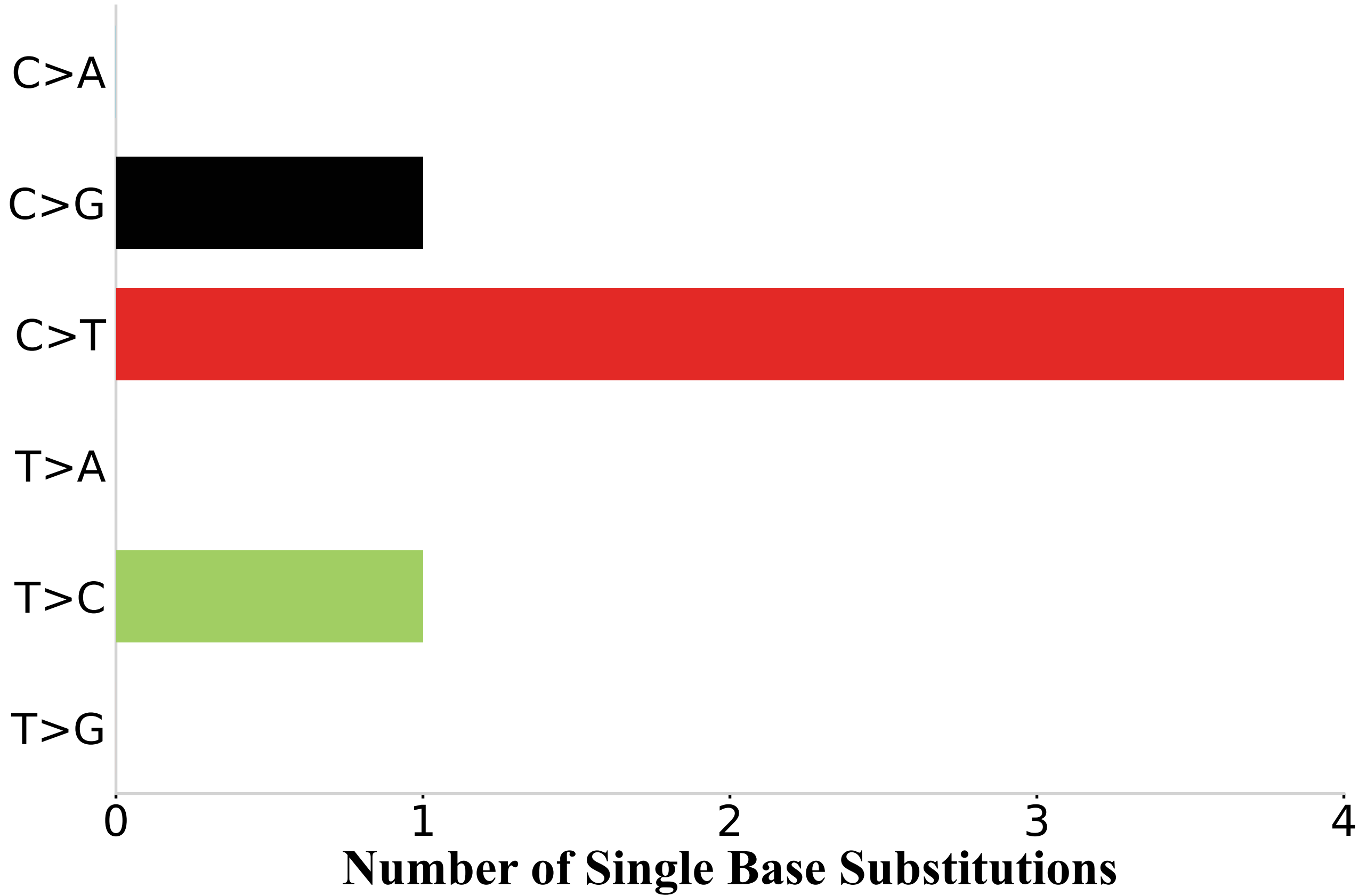
**P-0024107-T01-IM6: 7 subs**



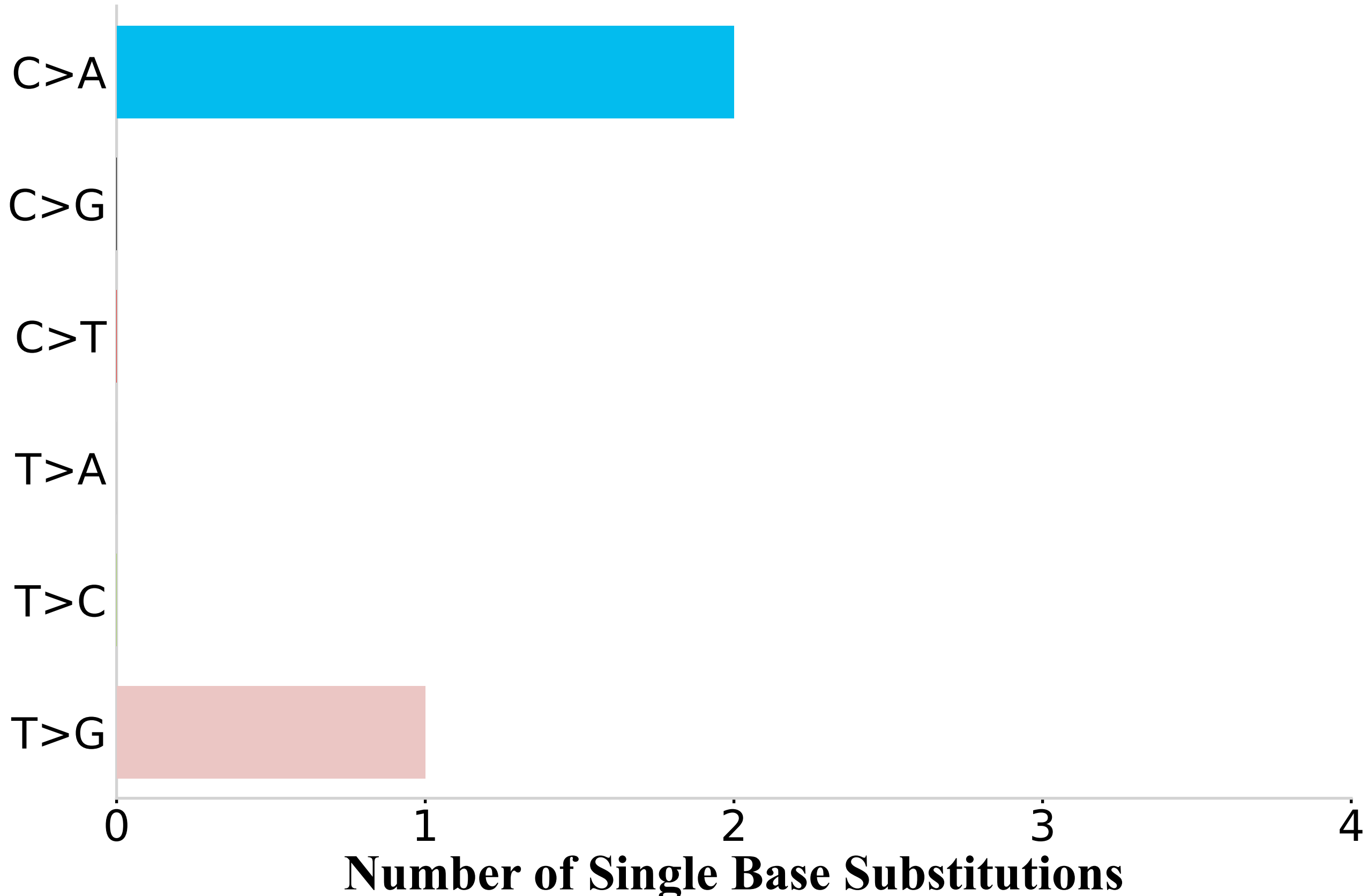
**P-0024206-T01-IM6: 15 subs**



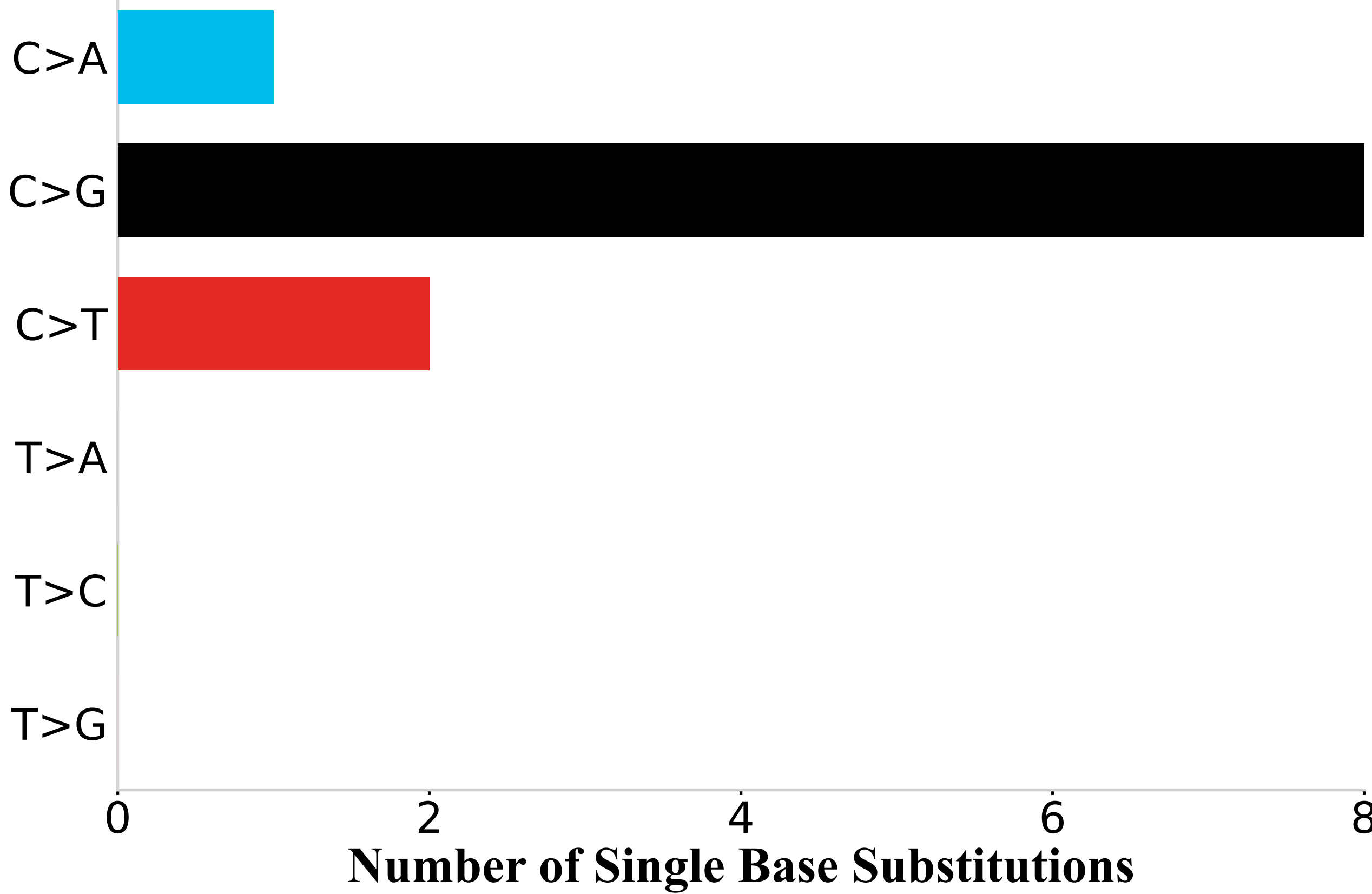
**P-0024524-T01-IM6: 6 subs**



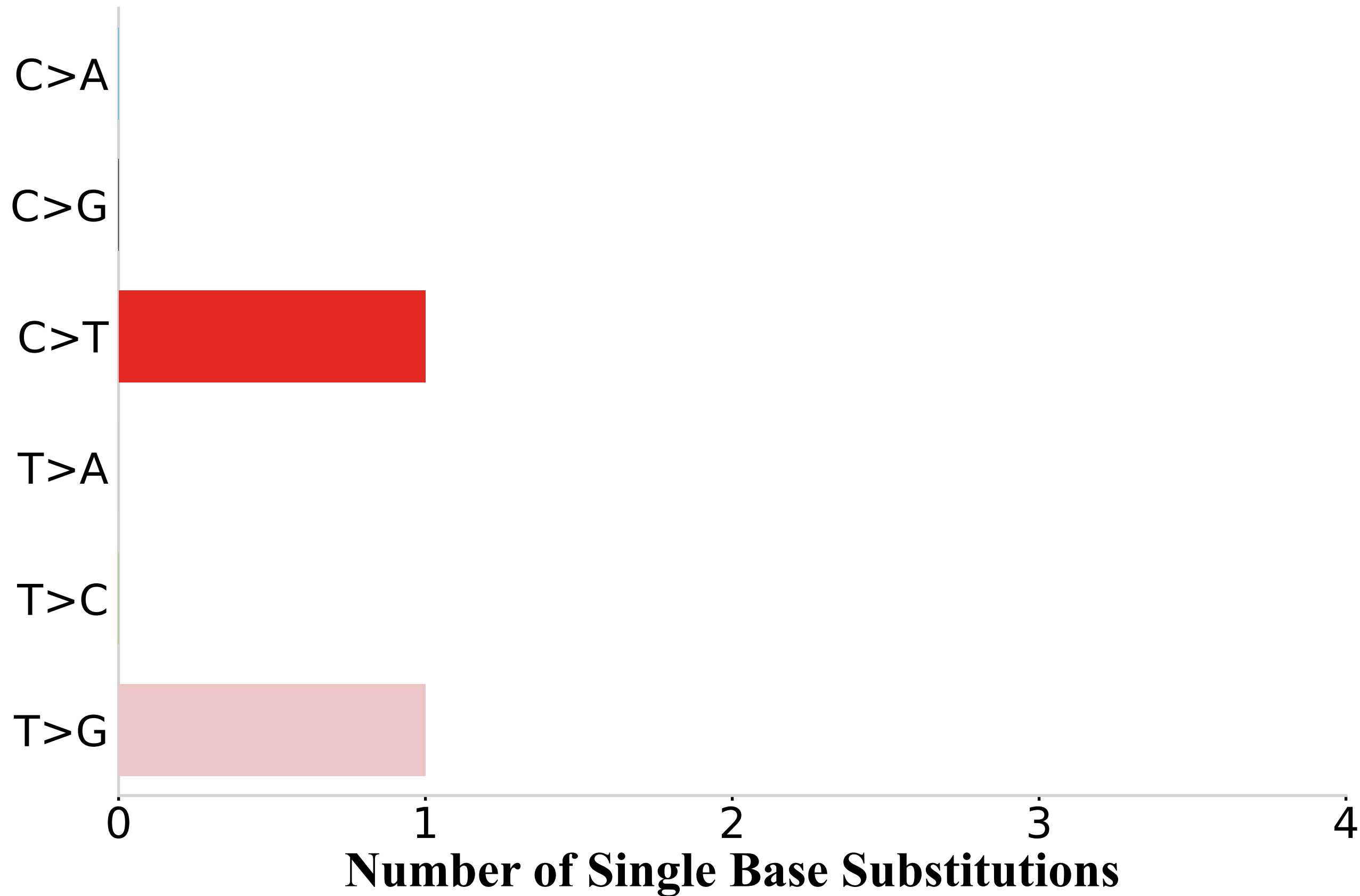
**P-0024867-T01-IM6: 3 subs**



**P-0024925-T01-IM6: 11 subs**

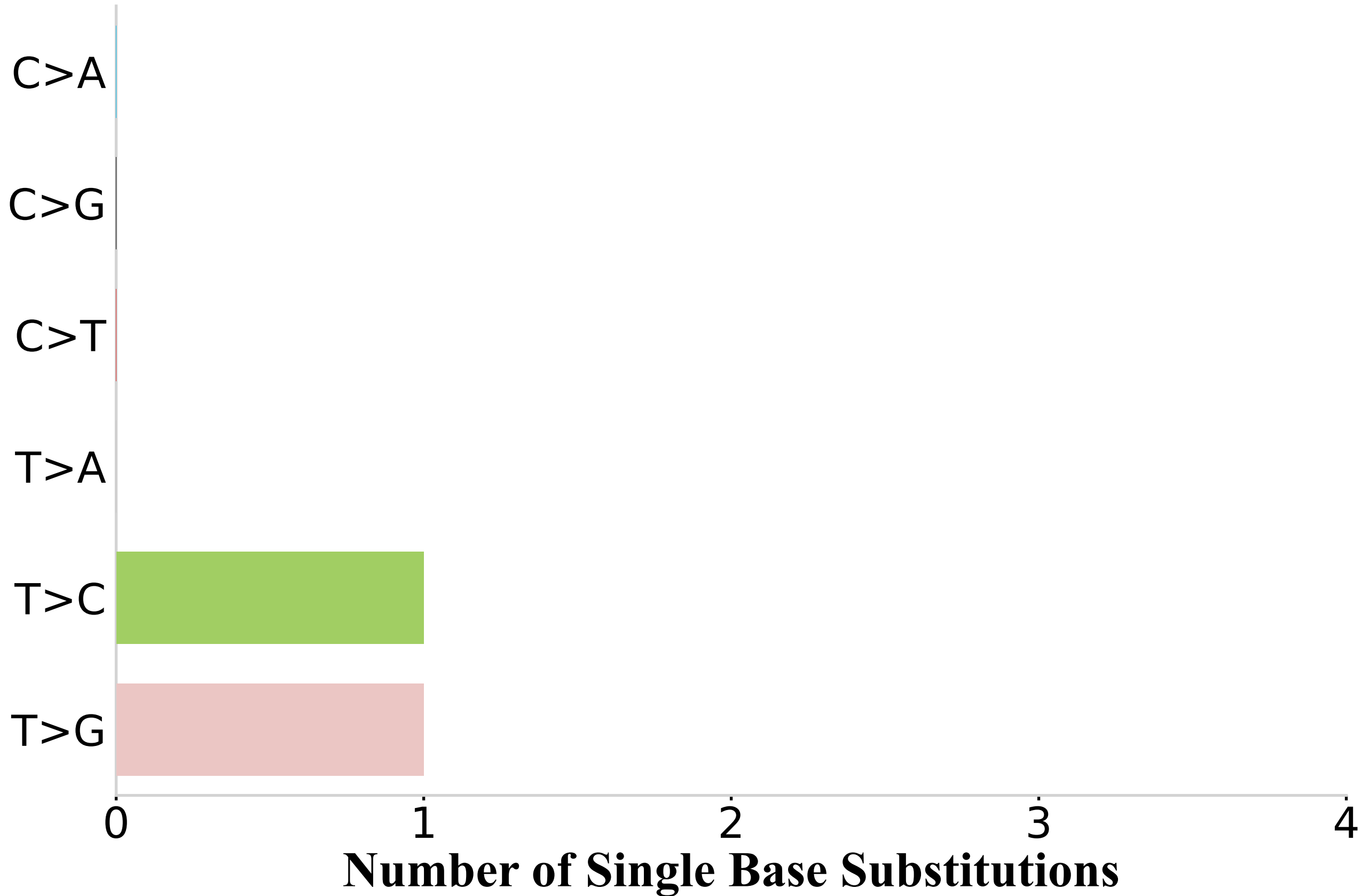


**P-0025092-T01-IM6: 2 subs**

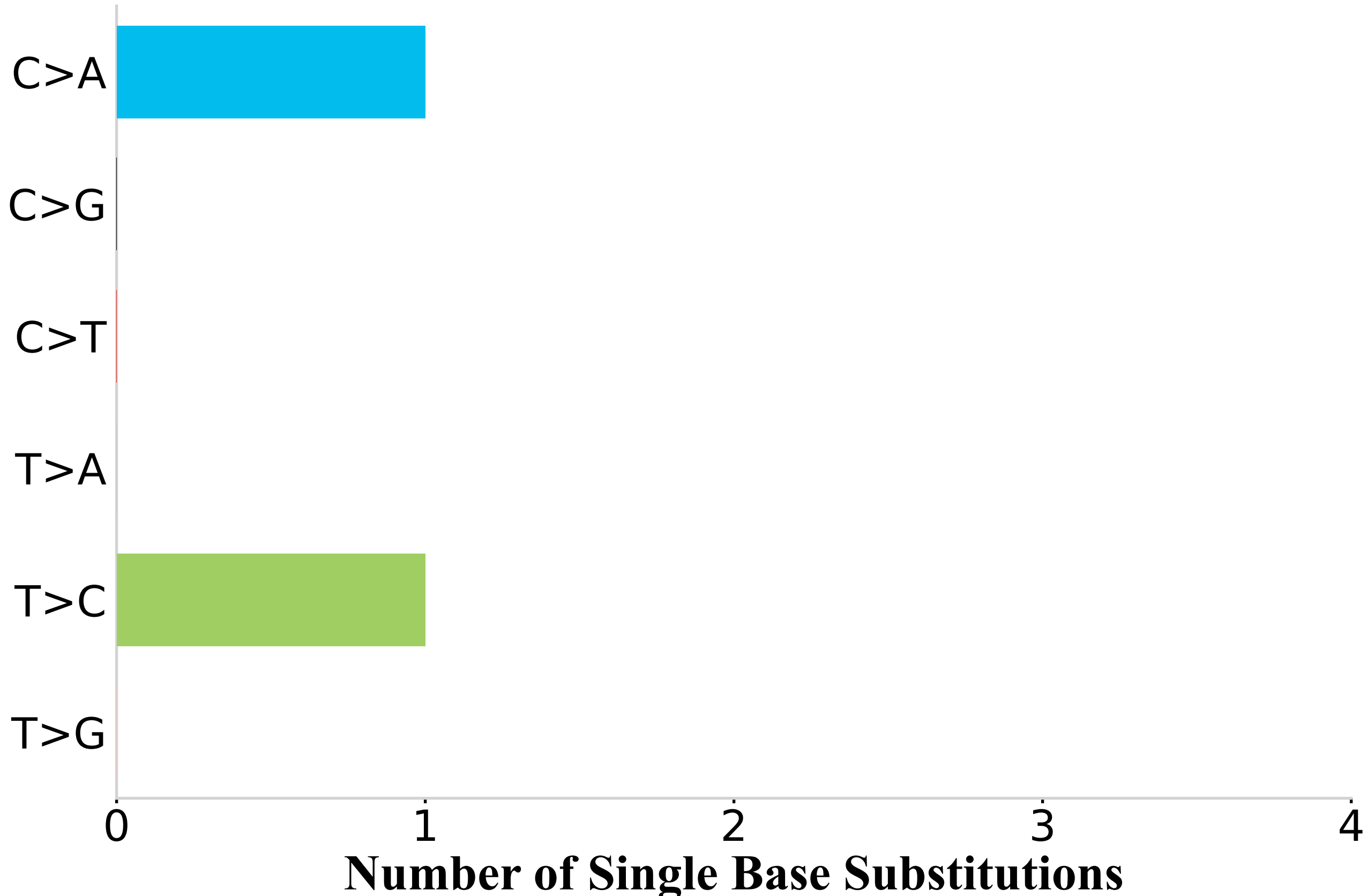




**P-0025266-T01-IM6: 2 subs**



**P-0025326-T01-IM6: 2 subs**



# P-0025405-T01-IM6: 5 subs

C>A

C>G

C>T

T>A

T>C

T>G

0

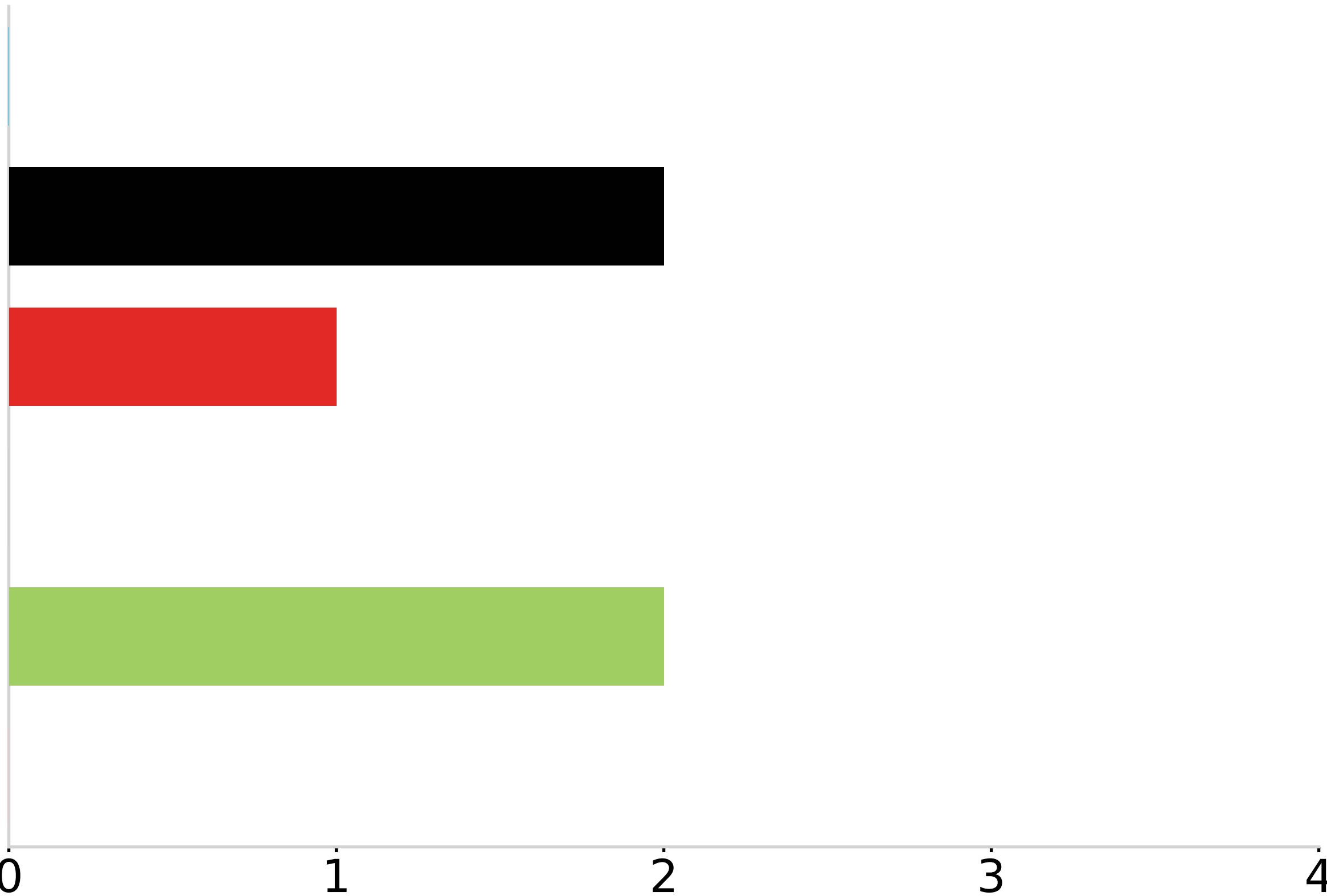
1

2

3

4

Number of Single Base Substitutions



**P-0025663-T01-IM6: 2 subs**

C>A

C>G

C>T

T>A

T>C

T>G

0

1

2

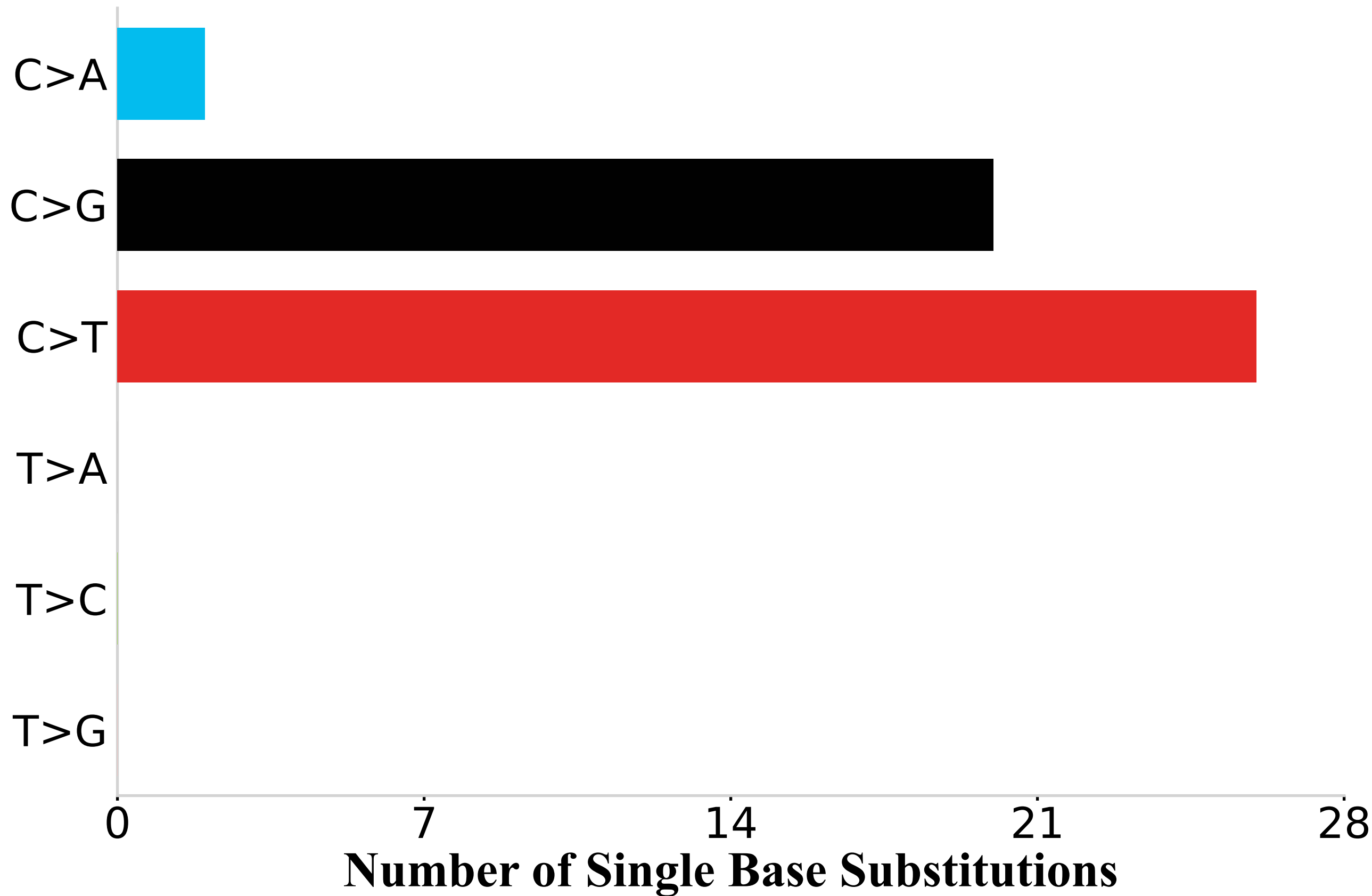
3

4

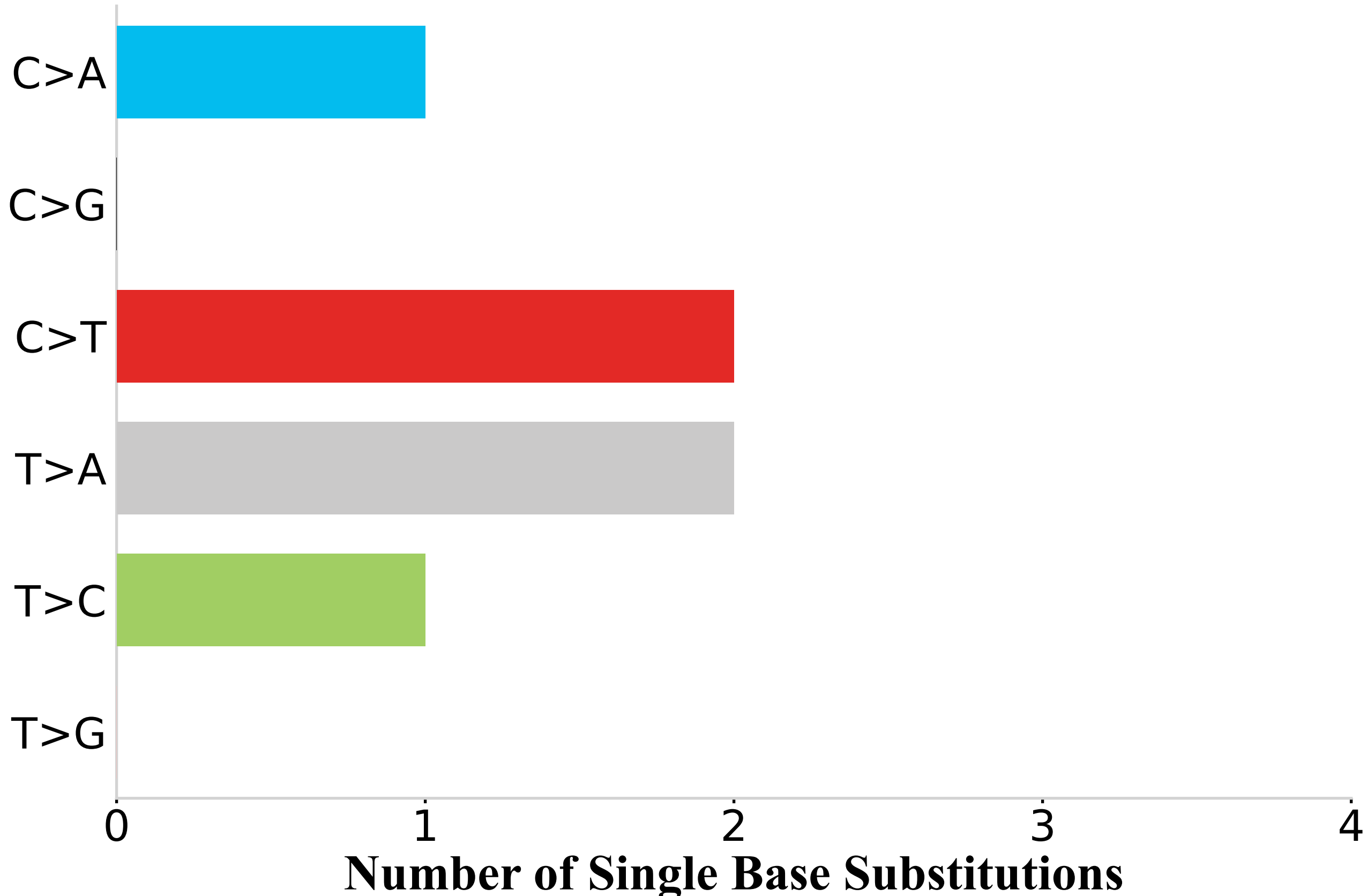
**Number of Single Base Substitutions**



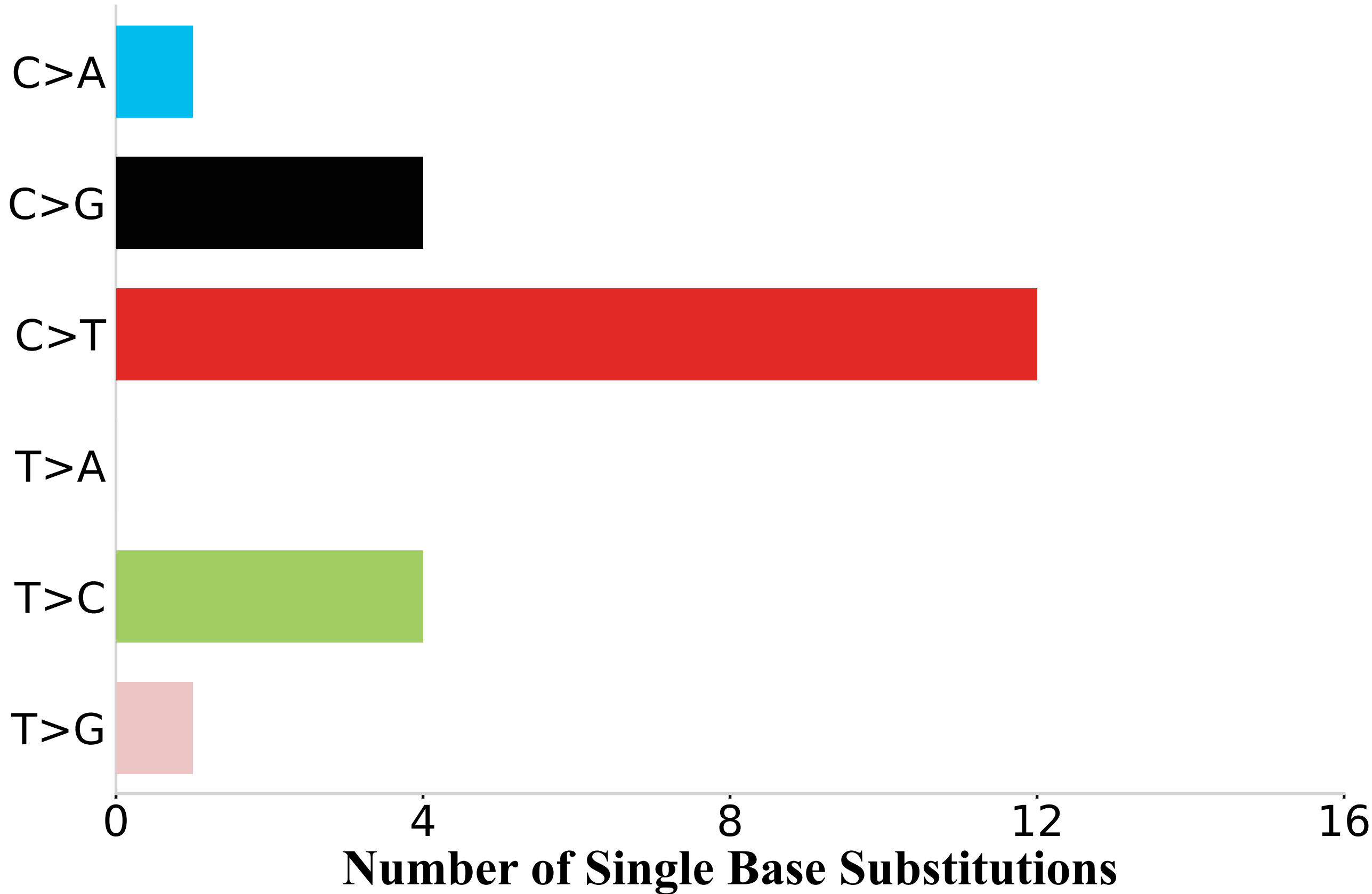
**P-0025805-T01-IM6: 48 subs**



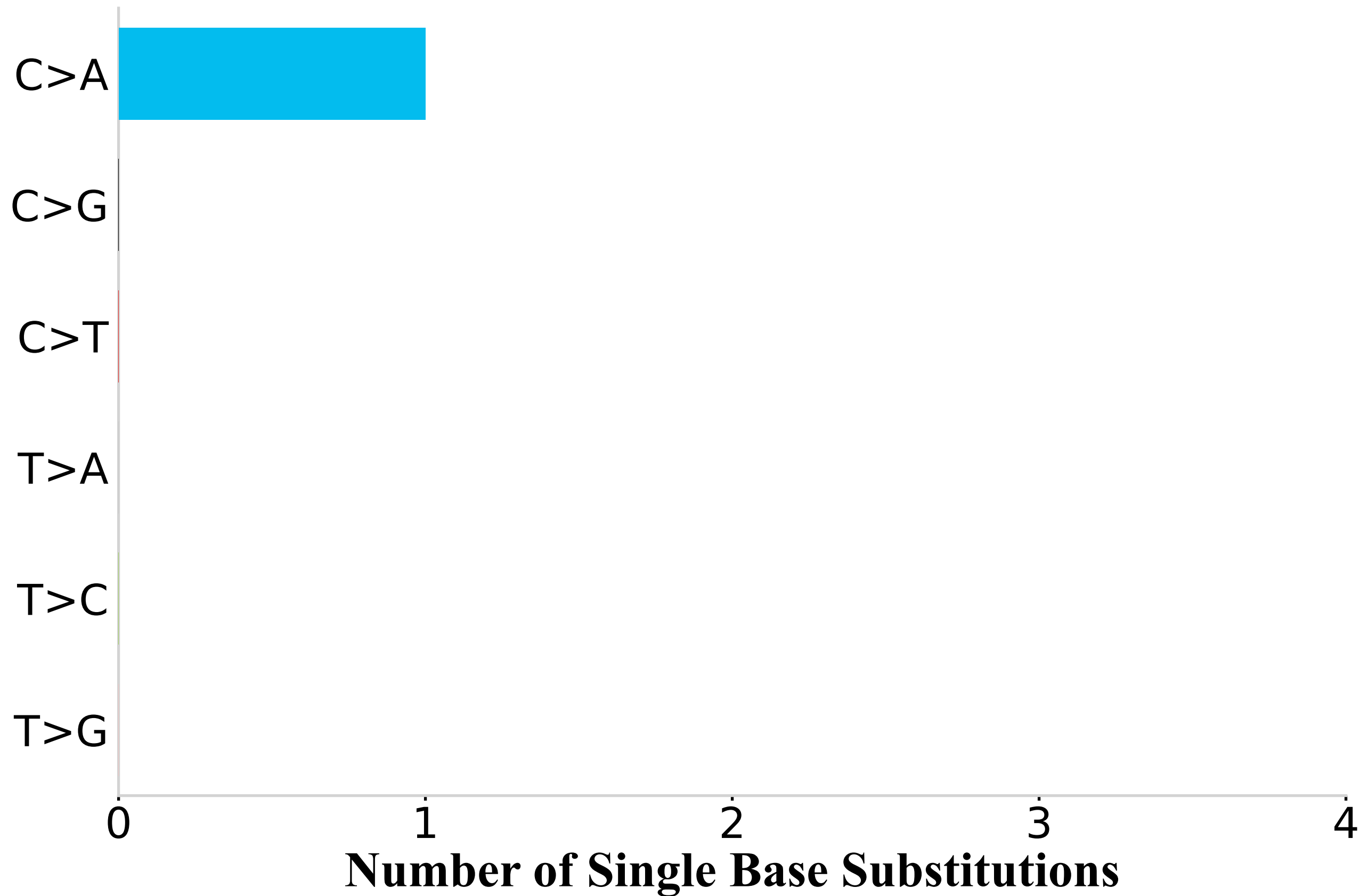
**P-0025912-T02-IM6: 6 subs**



**P-0026484-T01-IM6: 22 subs**



**P-0026682-T01-IM6: 1 subs**





**P-0027273-T01-IM6: 1 subs**

