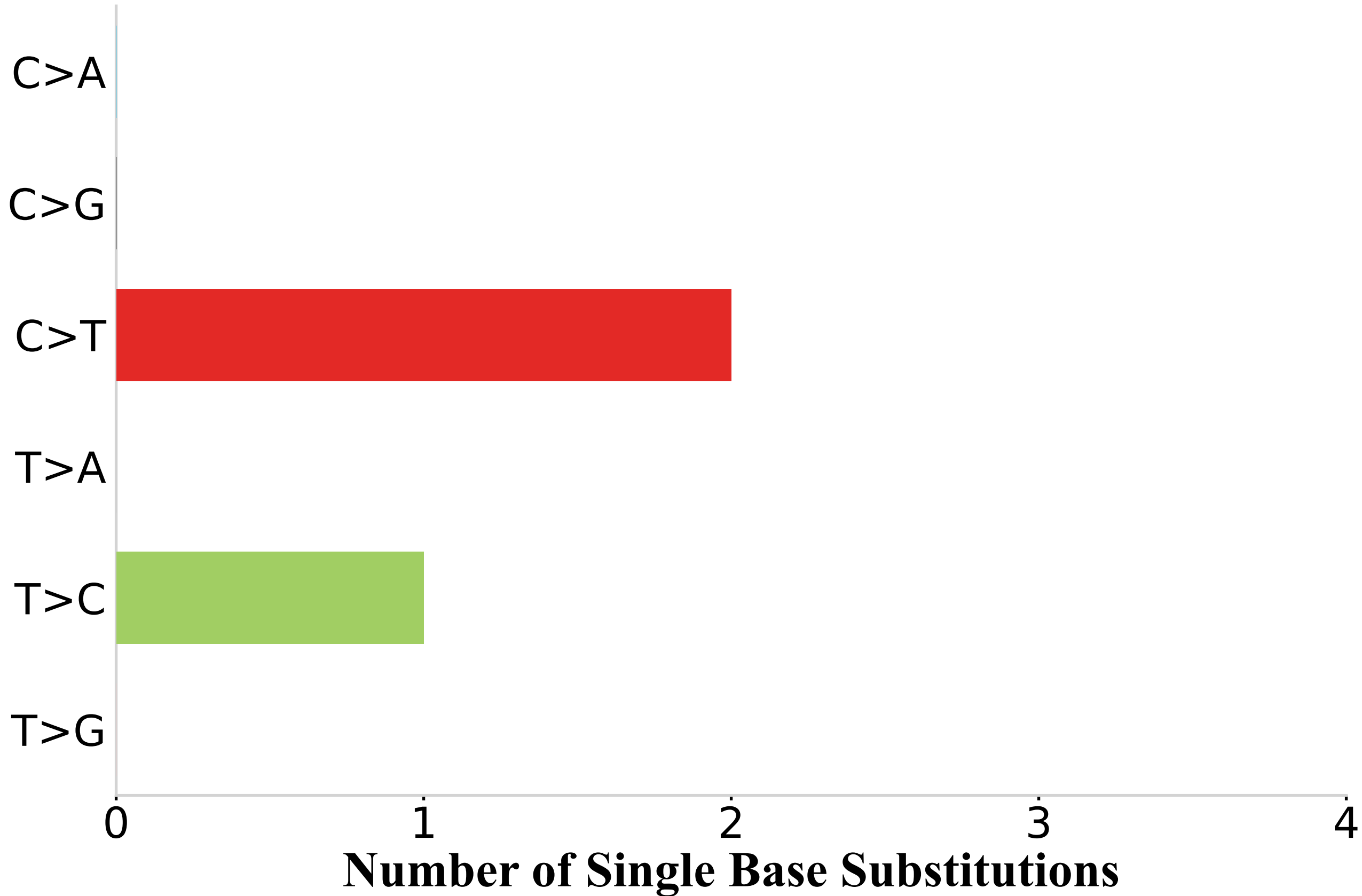
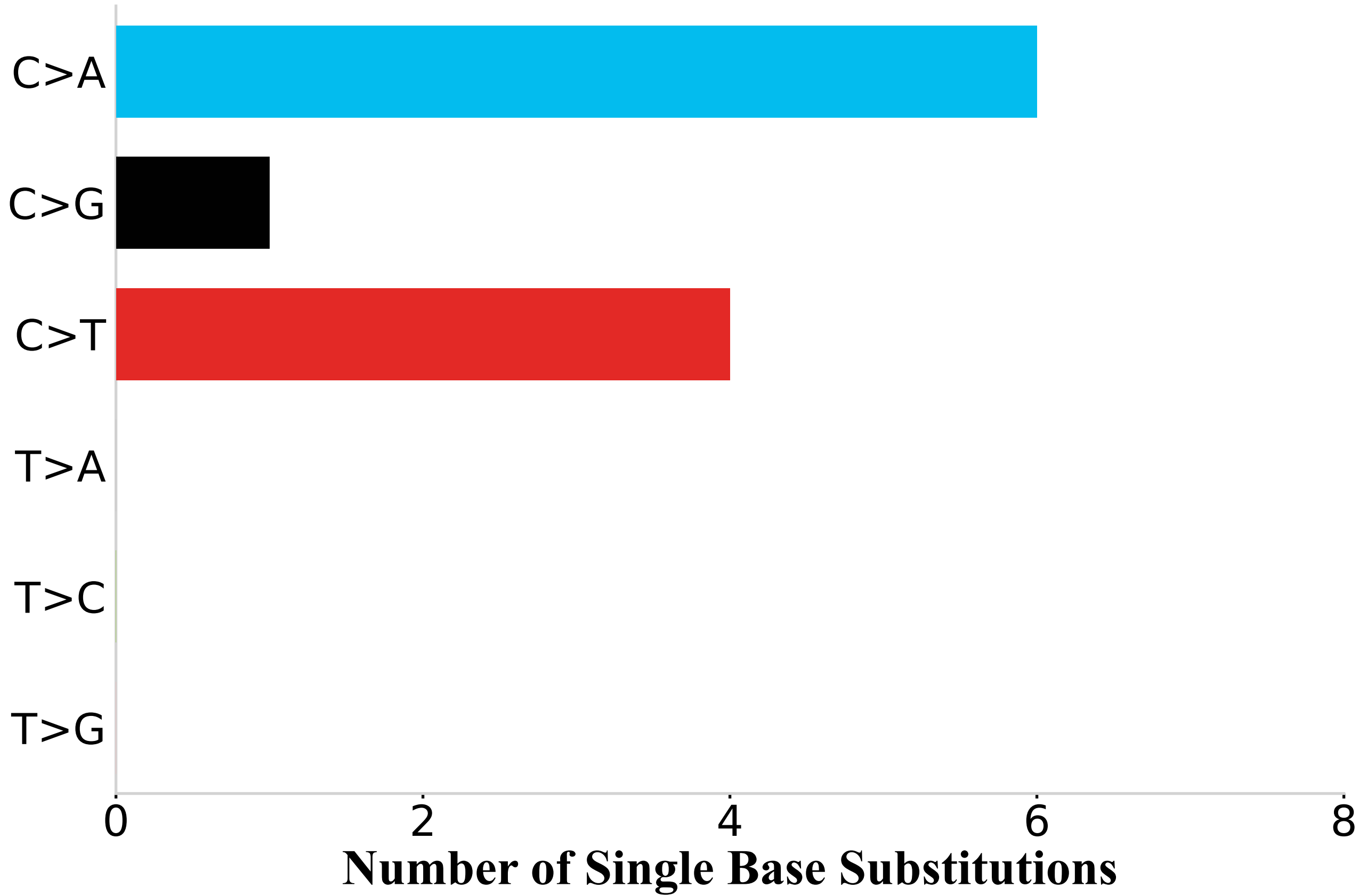


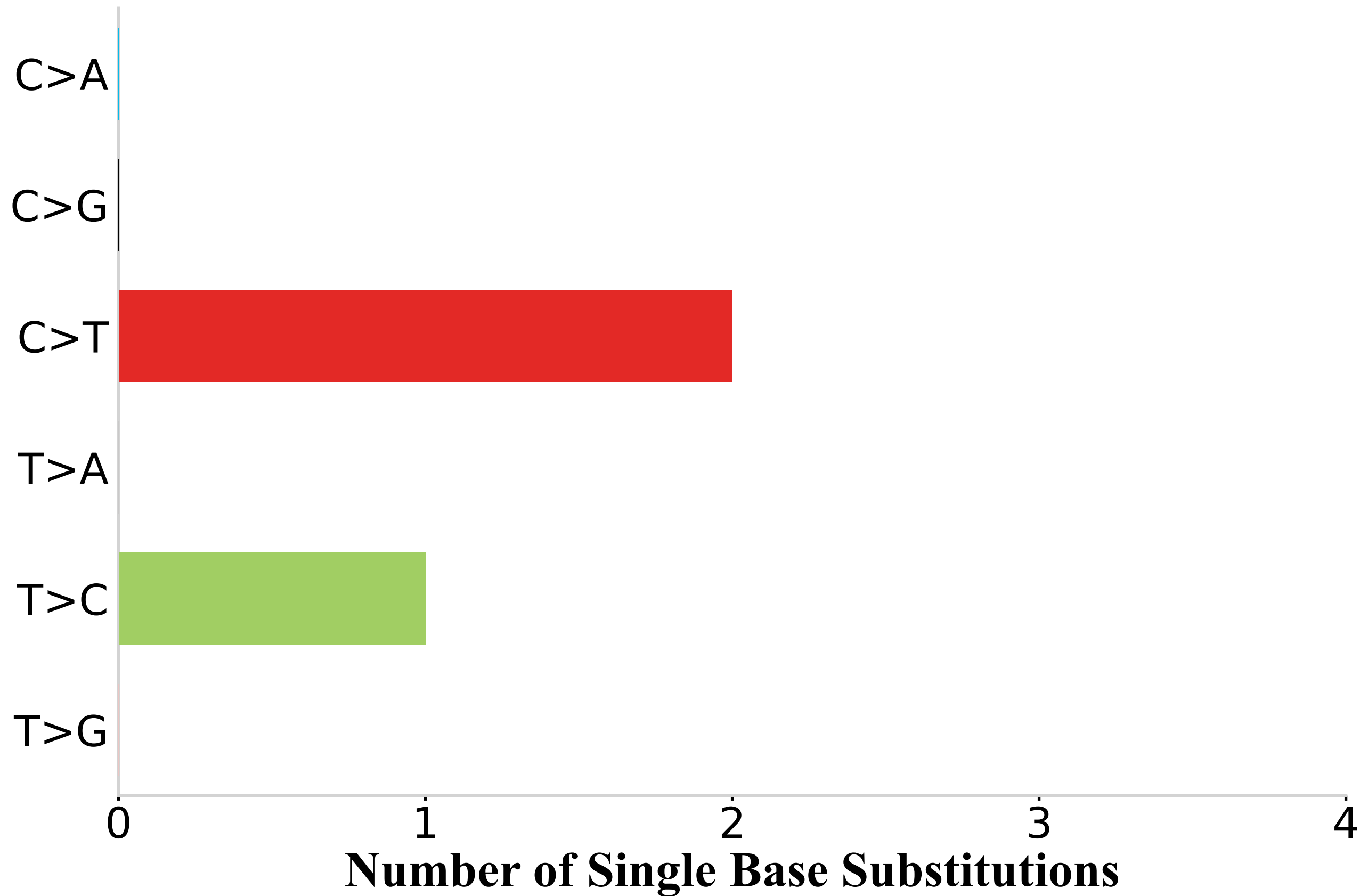
P-0000743-T01-IM3: 3 subs



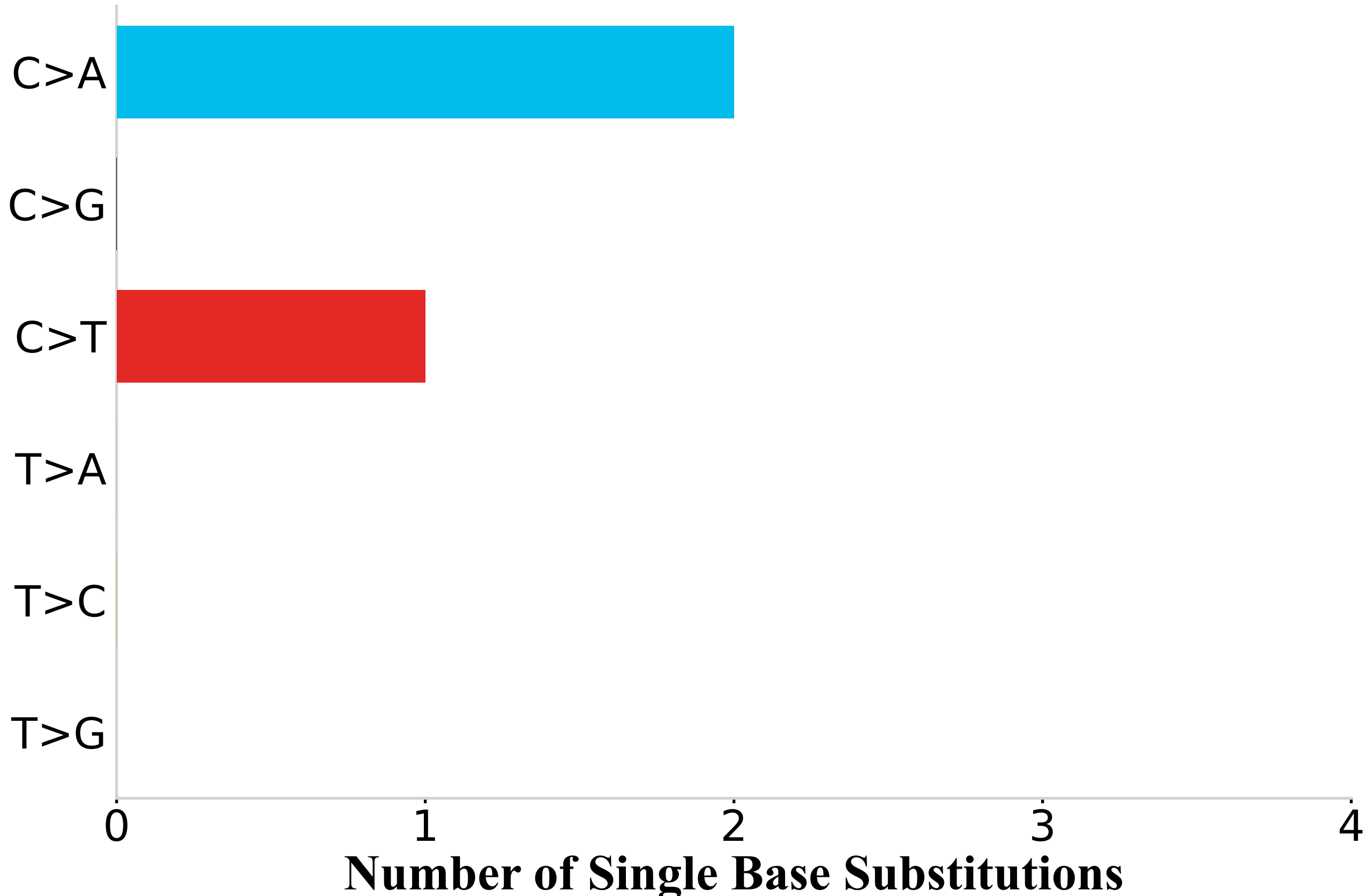
P-0001255-T01-IM3: 11 subs



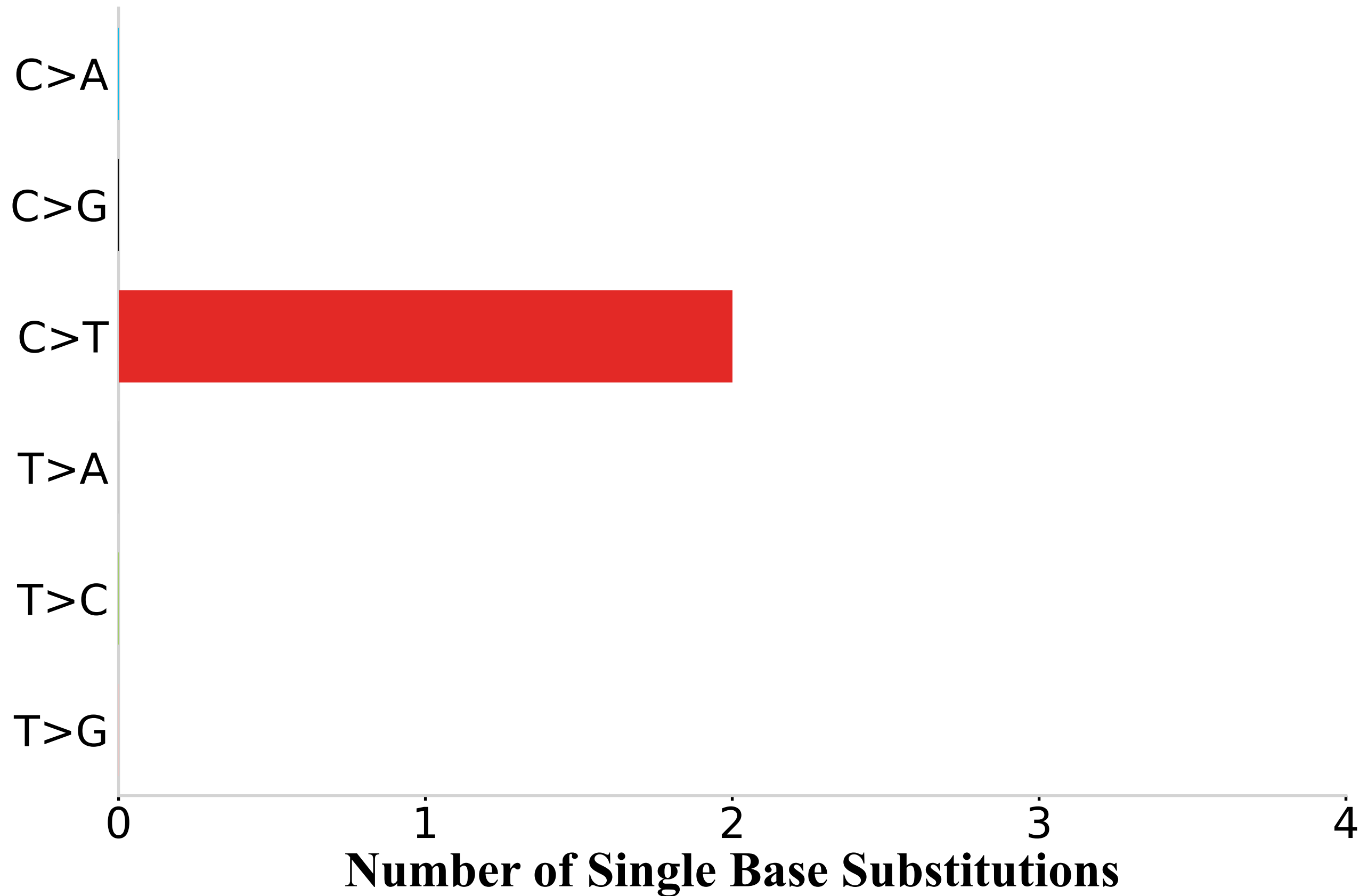
P-0001675-T01-IM3: 3 subs



P-0001783-T01-IM3: 3 subs



P-0001804-T01-IM3: 2 subs



P-0001954-T01-IM3: 0 subs

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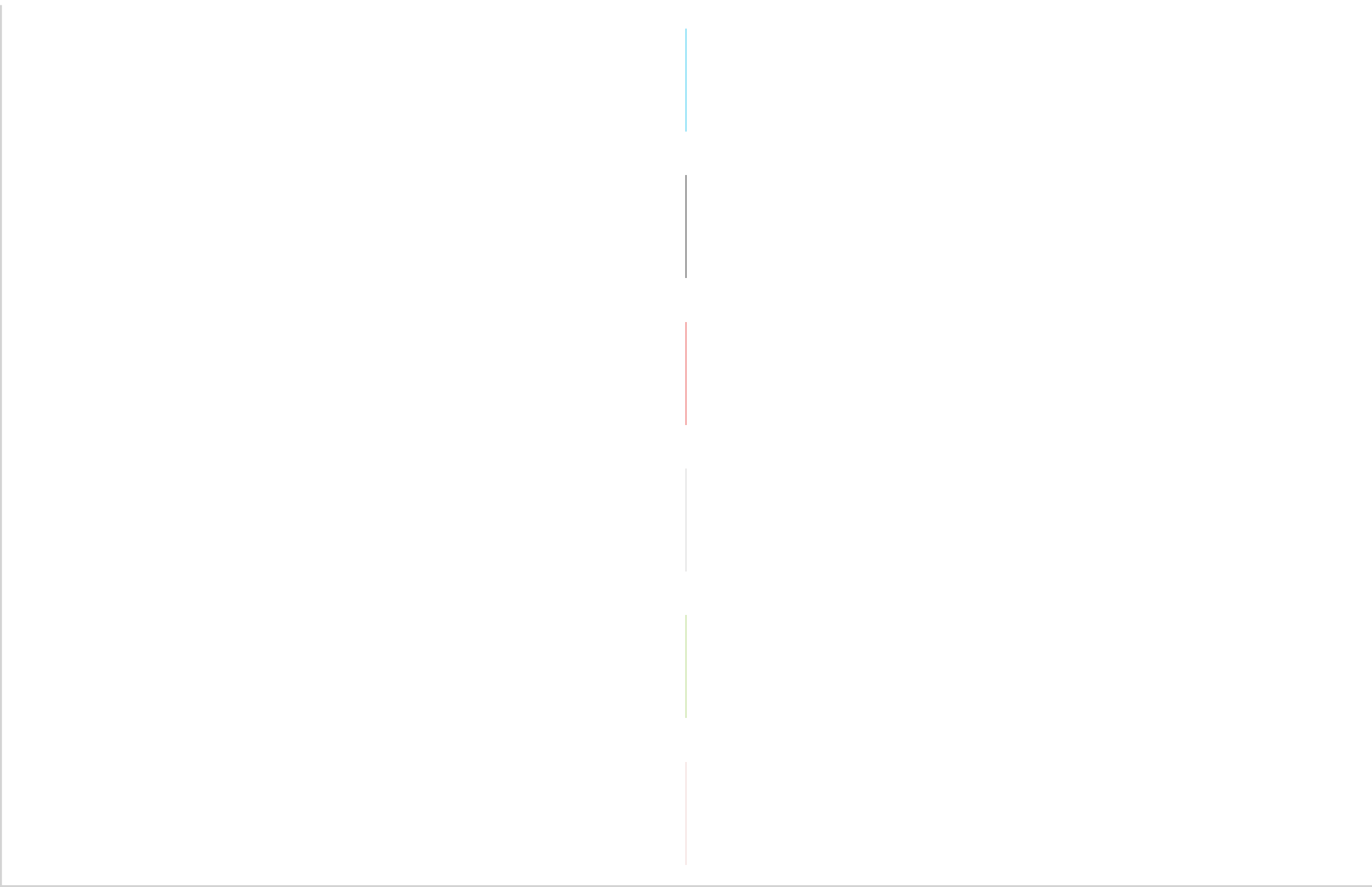
T>A

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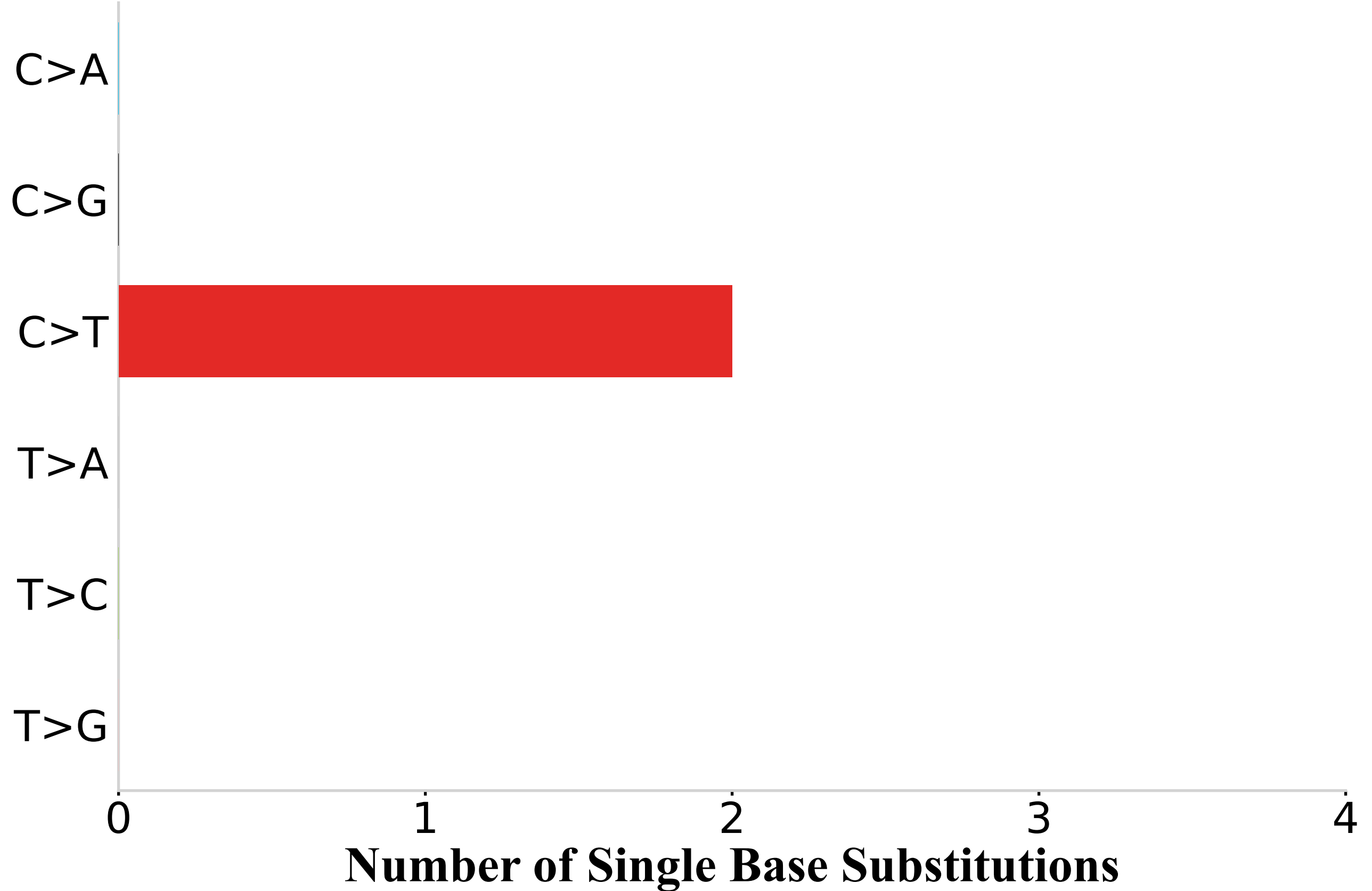
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Number of Single Base Substitutions



P-0002200-T02-IM5: 2 subs



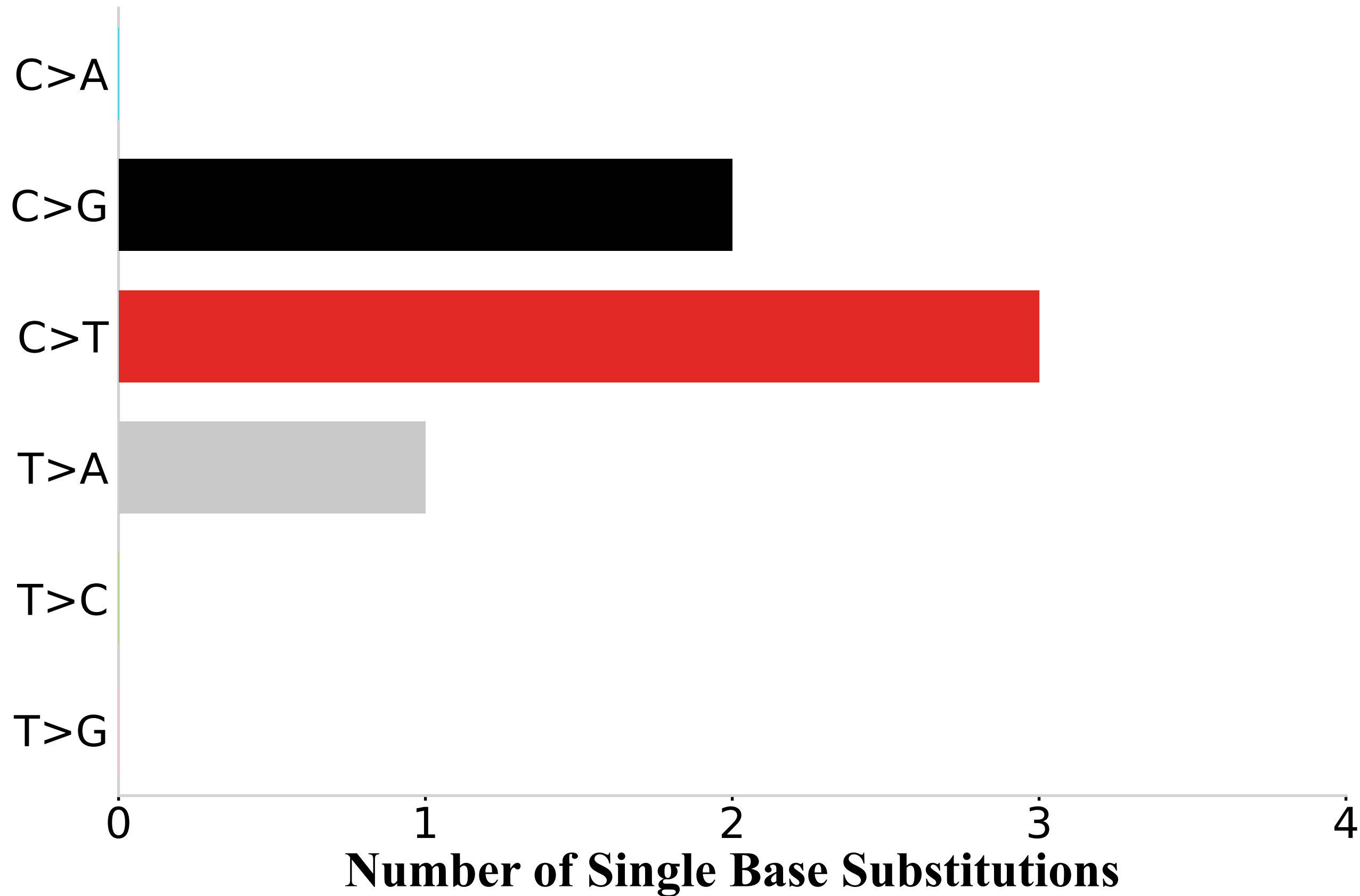
P-0002361-T01-IM3: 4 subs



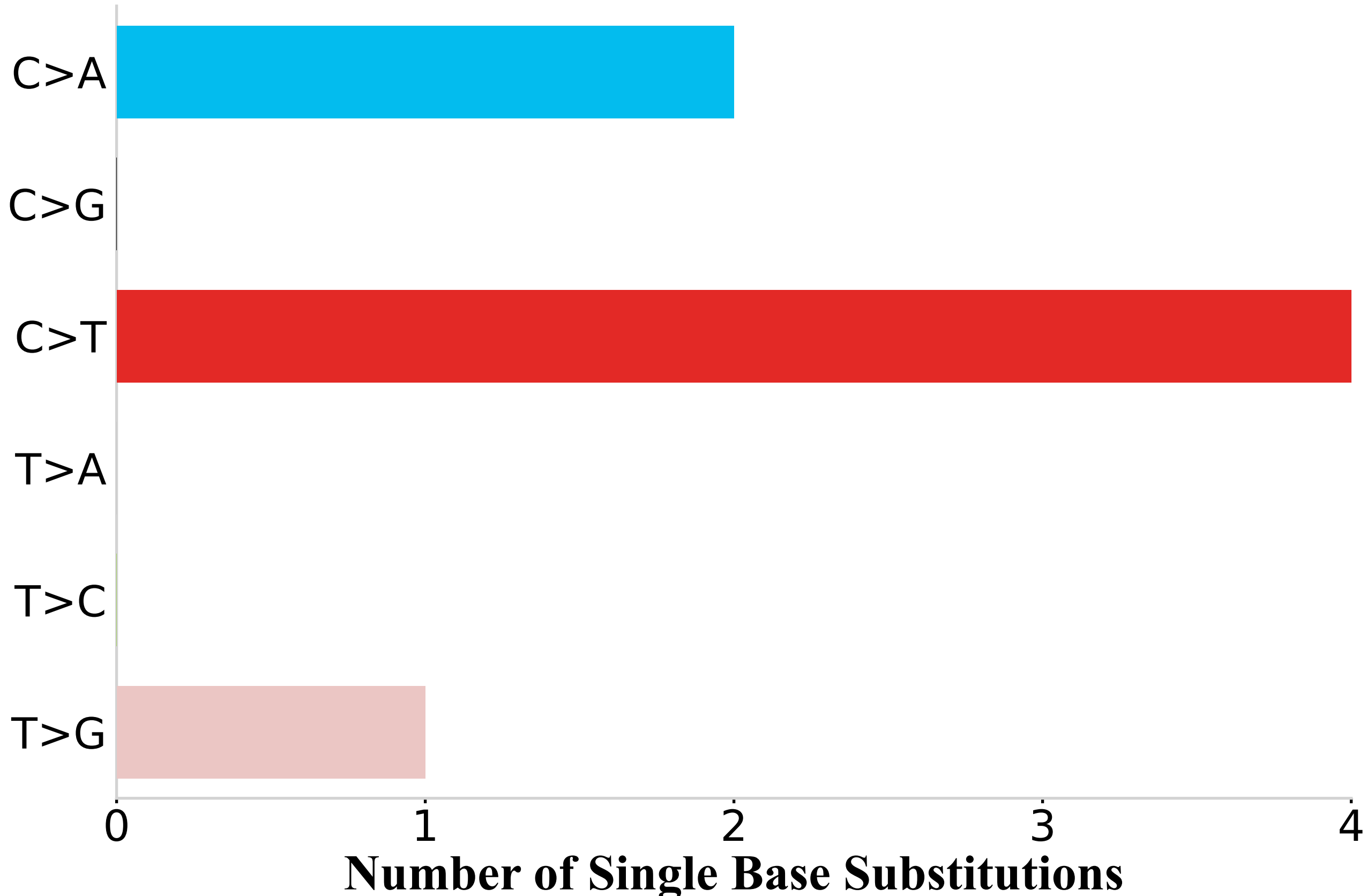
P-0002733-T01-IM3: 2 subs



P-0003289-T03-IM5: 6 subs



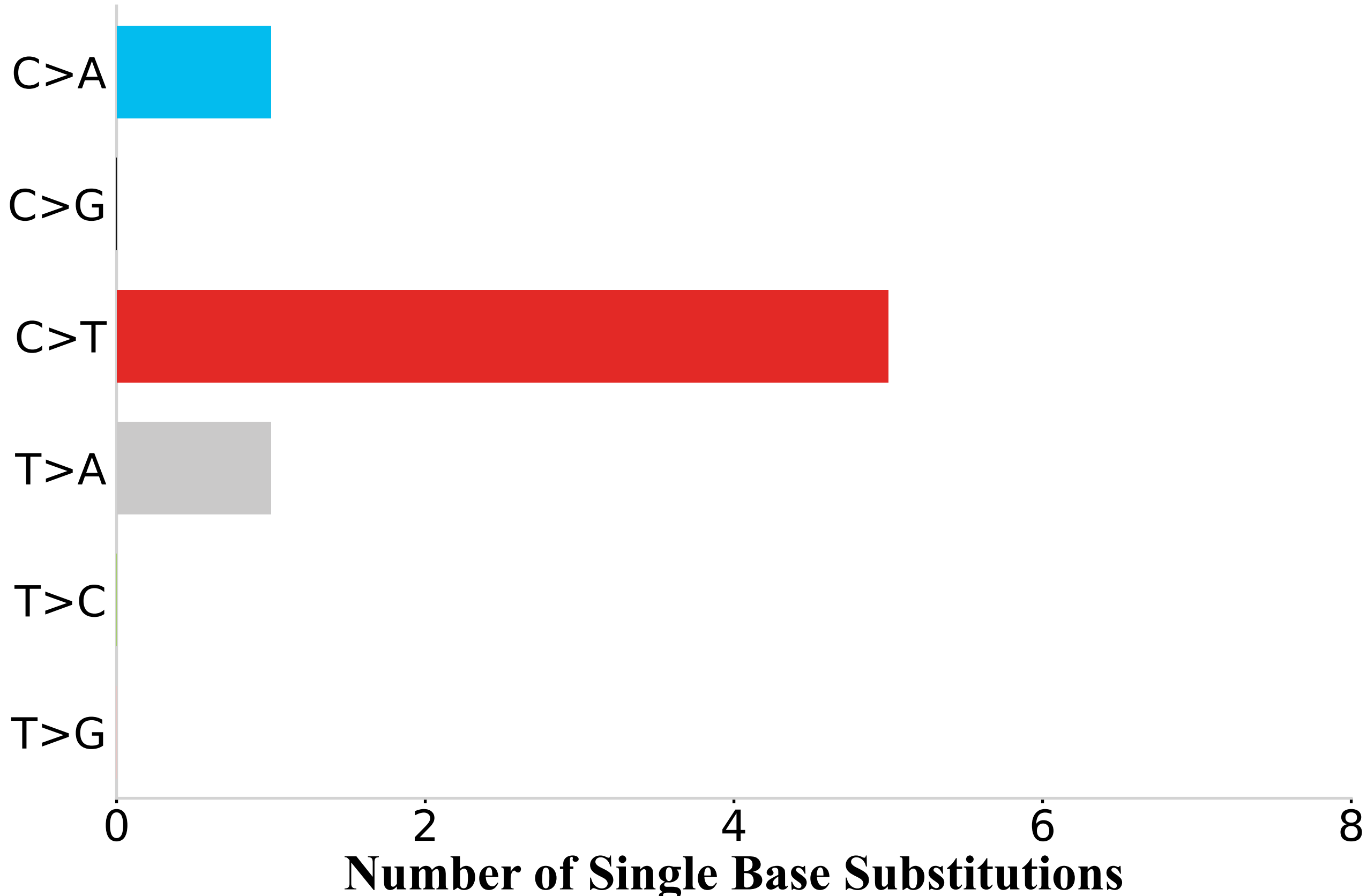
P-0003329-T03-IM6: 7 subs



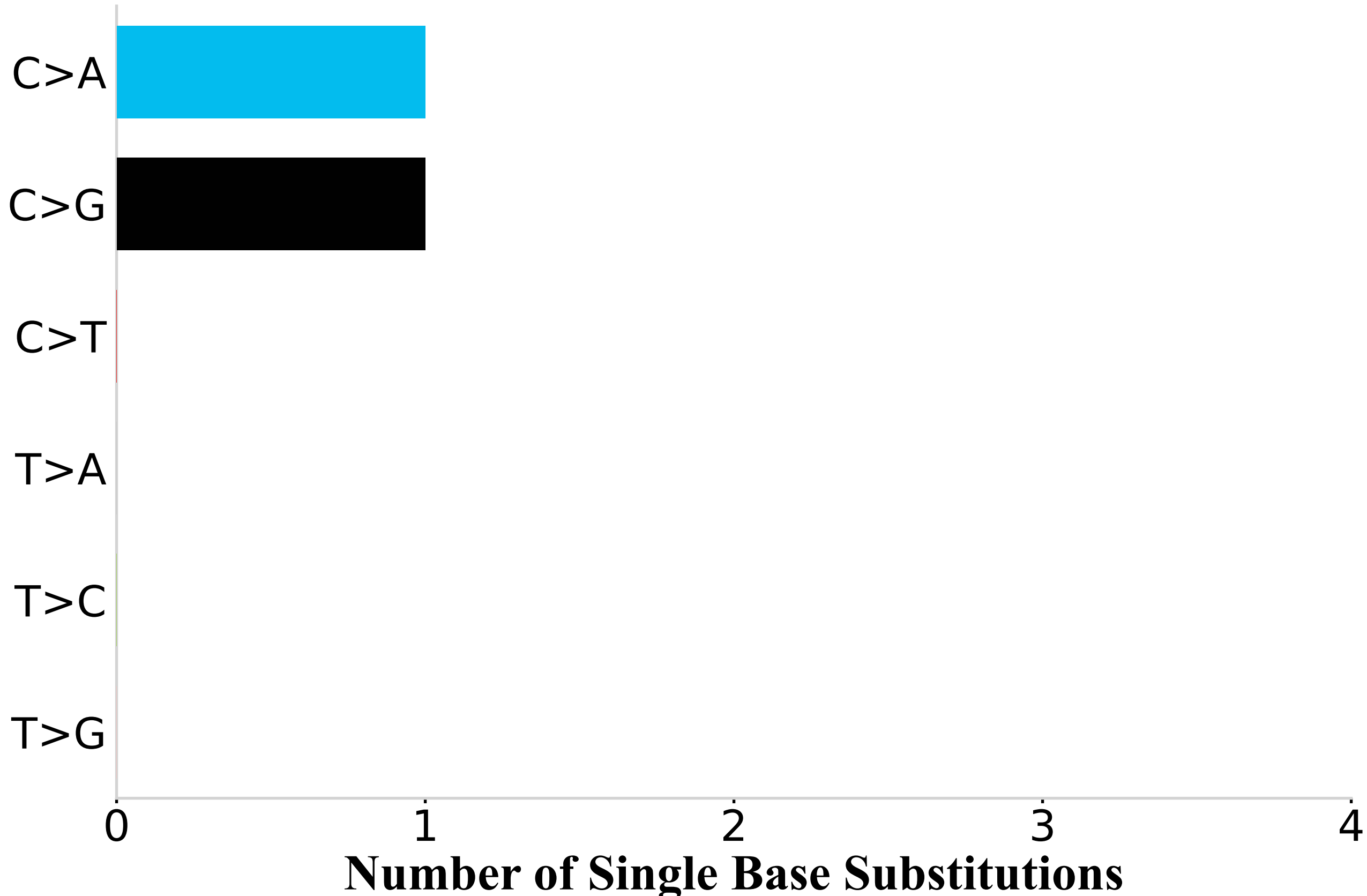
P-0003363-T01-IM5: 2 subs



P-0003461-T02-IM5: 7 subs



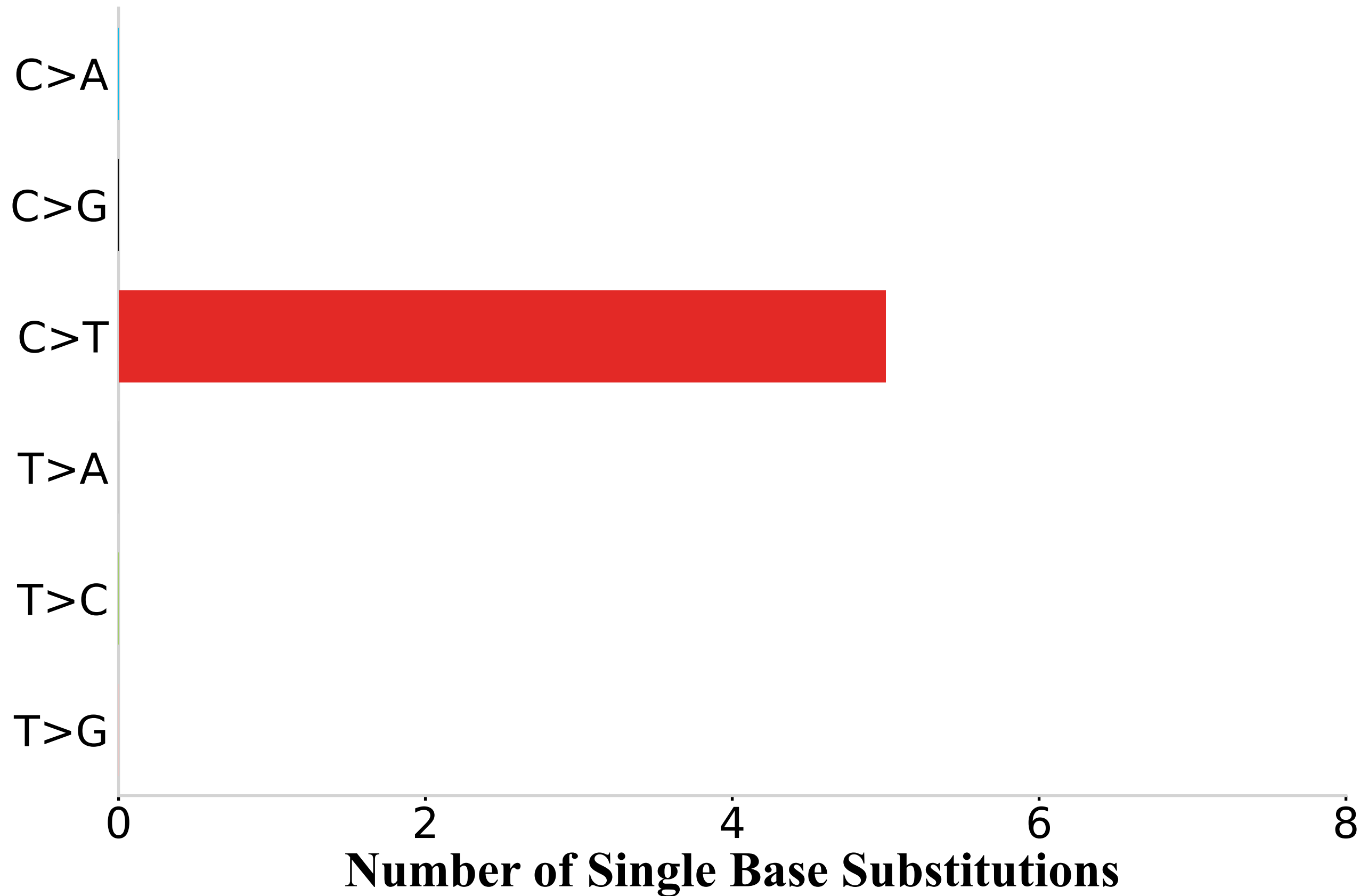
P-0003612-T01-IM5: 2 subs



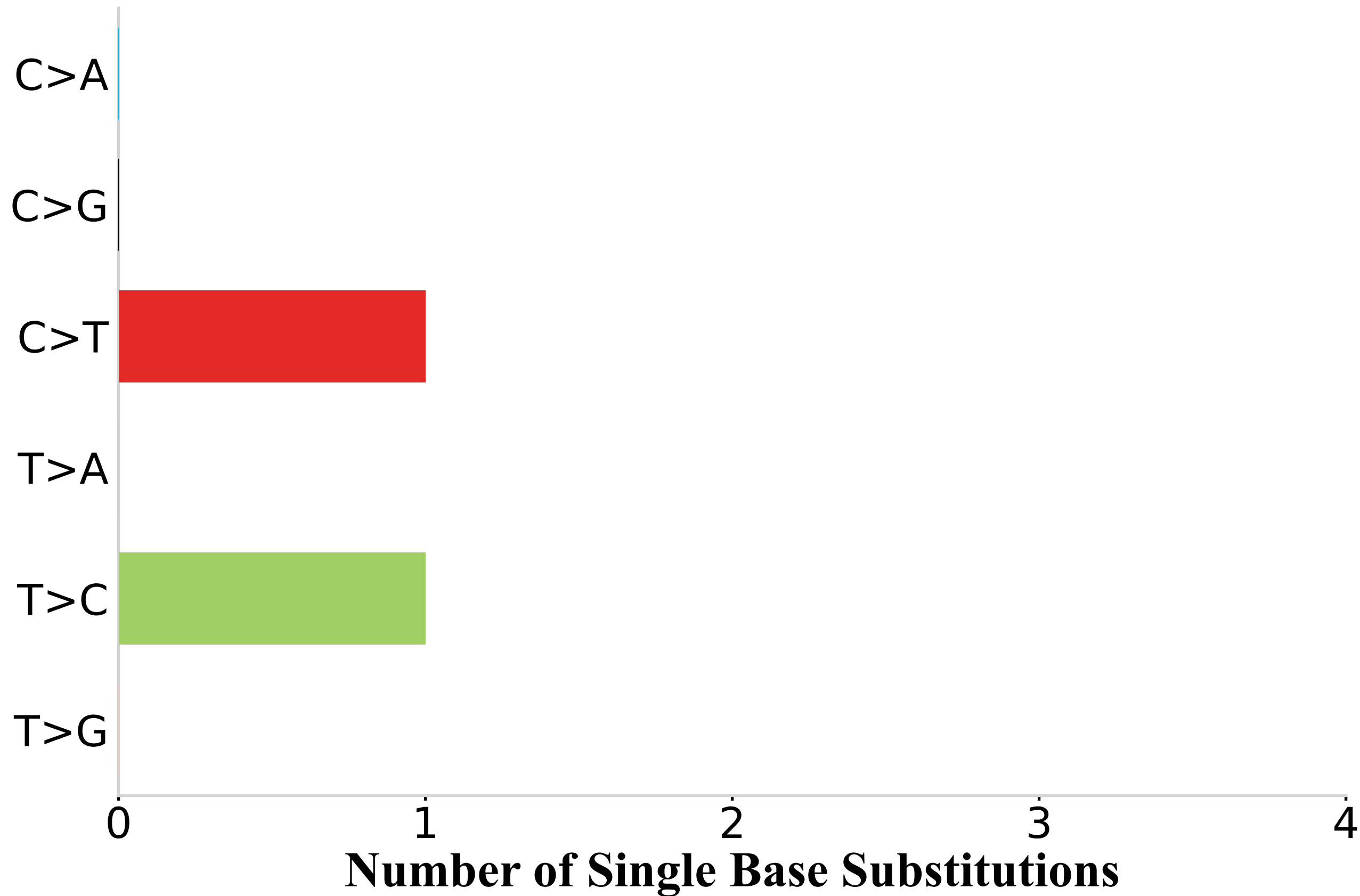
P-0003736-T01-IM5: 2 subs



P-0004513-T01-IM5: 5 subs



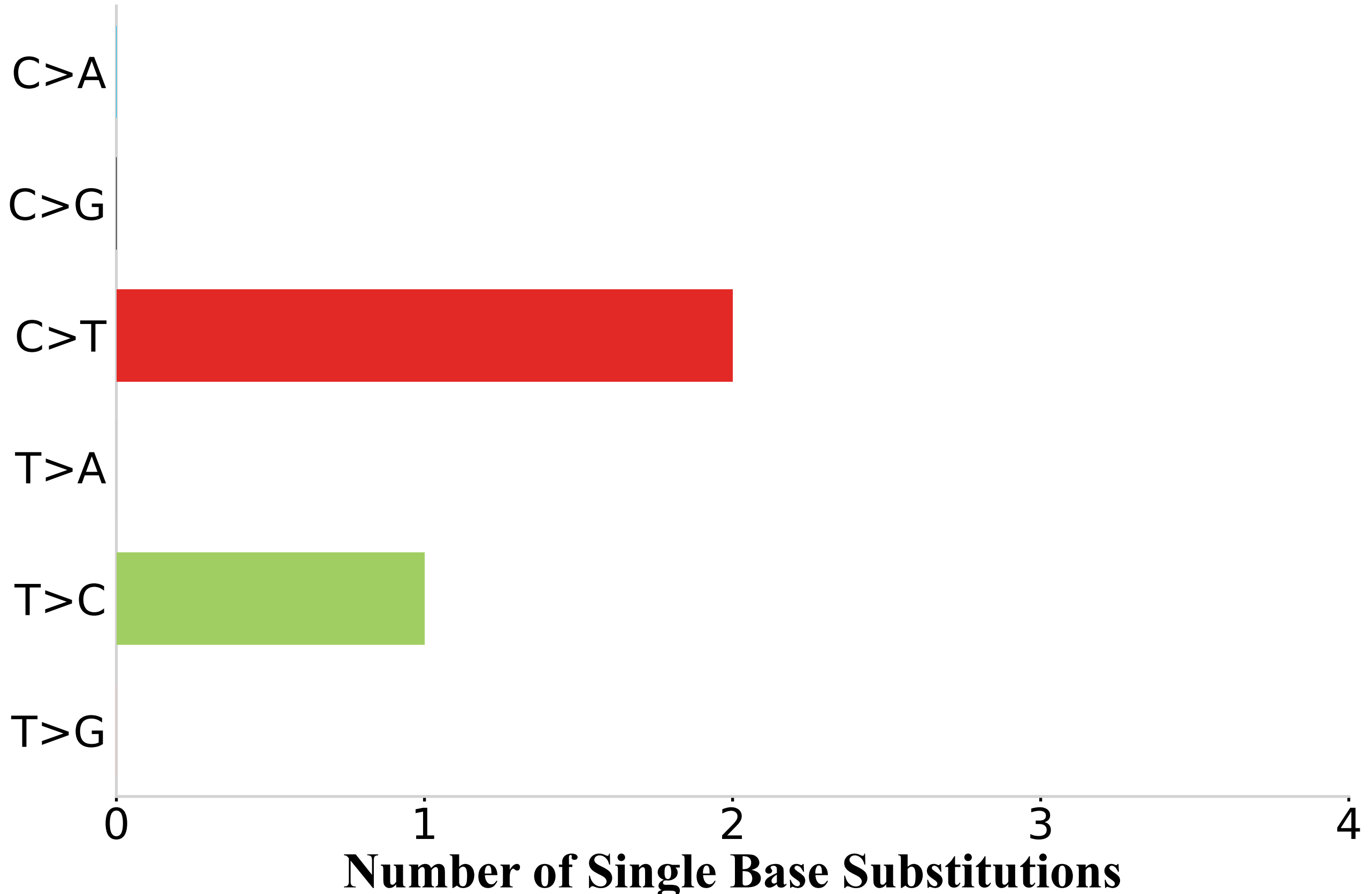
P-0004894-T01-IM5: 2 subs



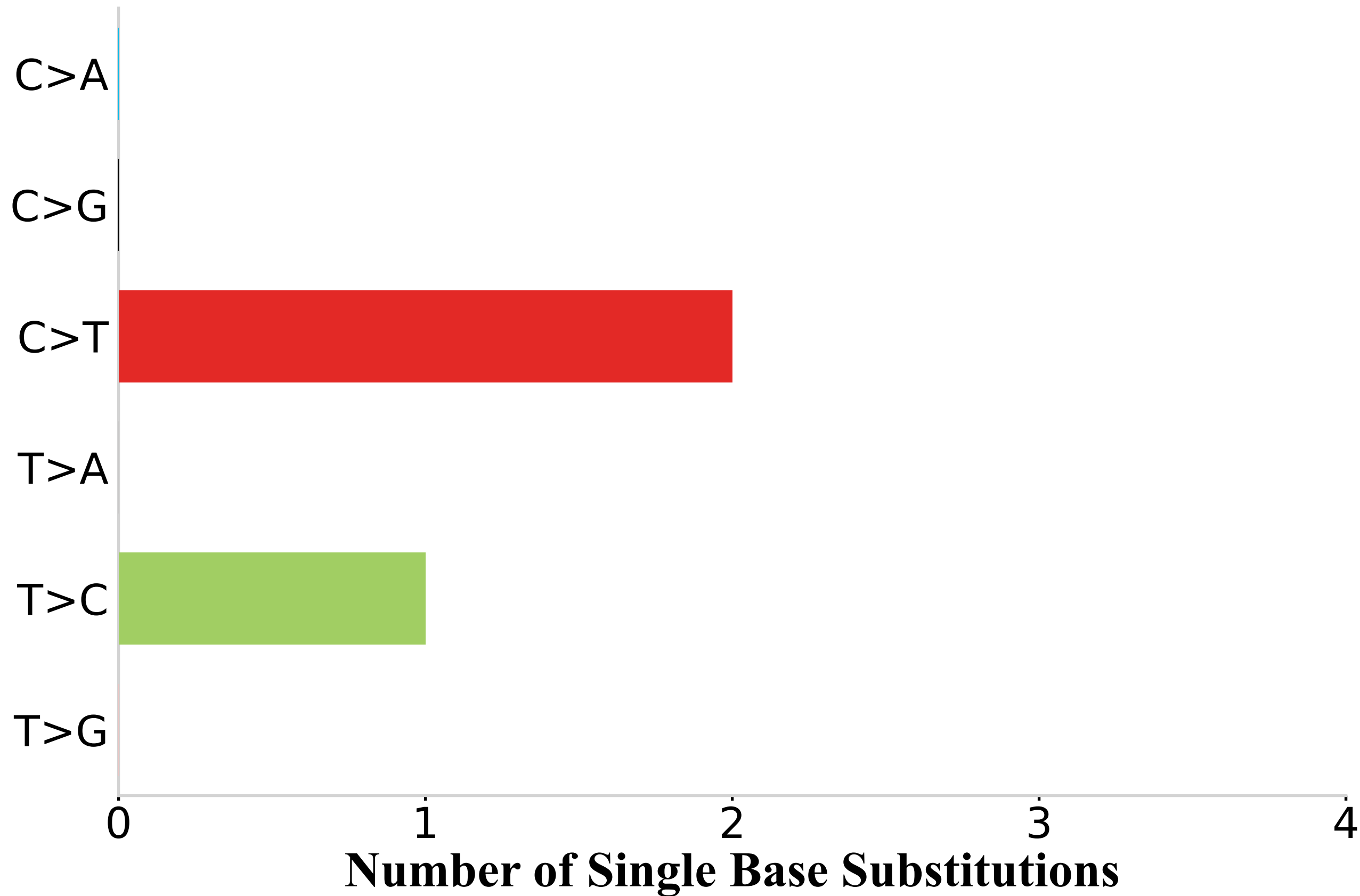
P-0004899-T01-IM5: 1 subs



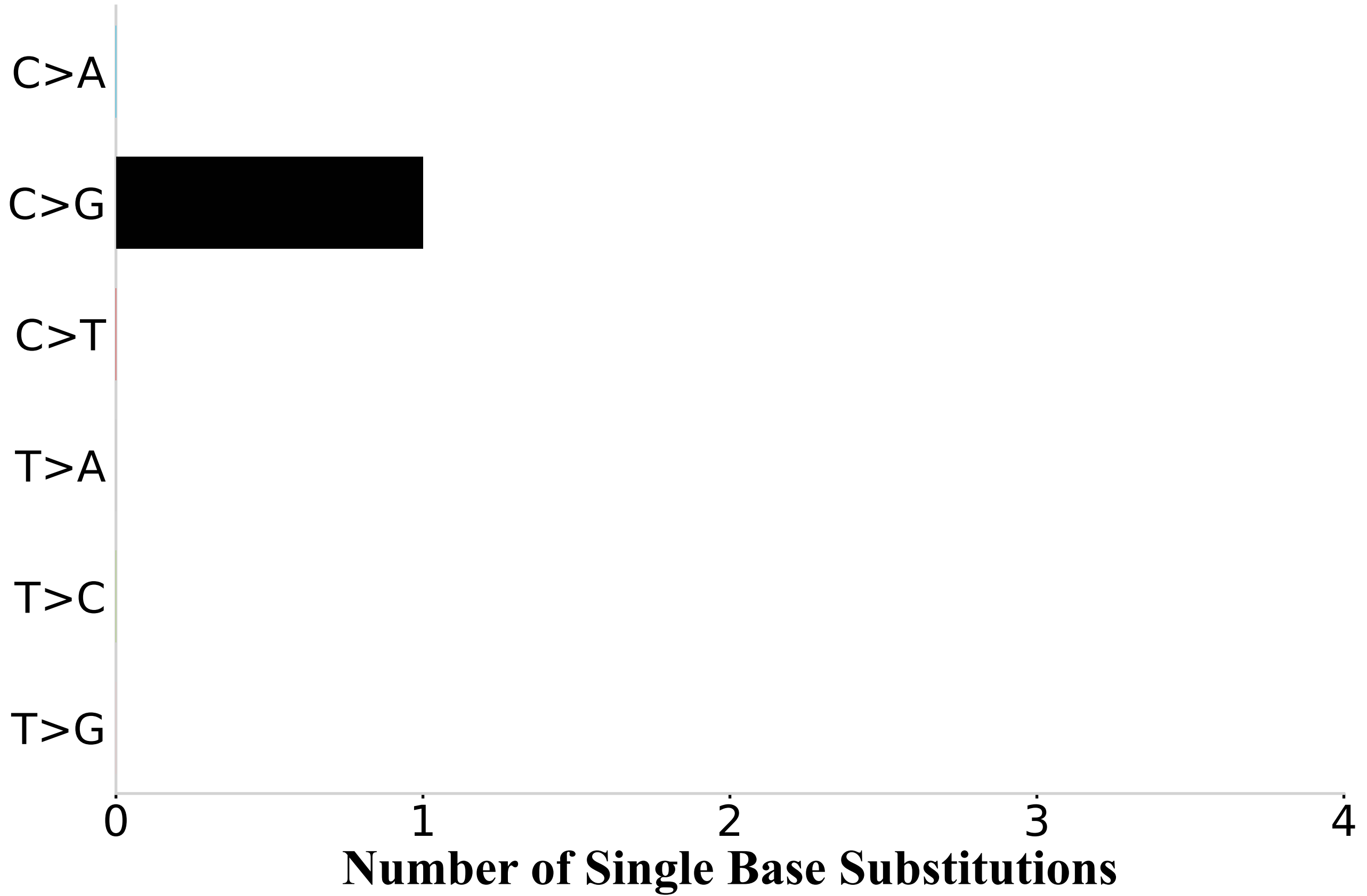
P-0005186-T01-IM5: 3 subs



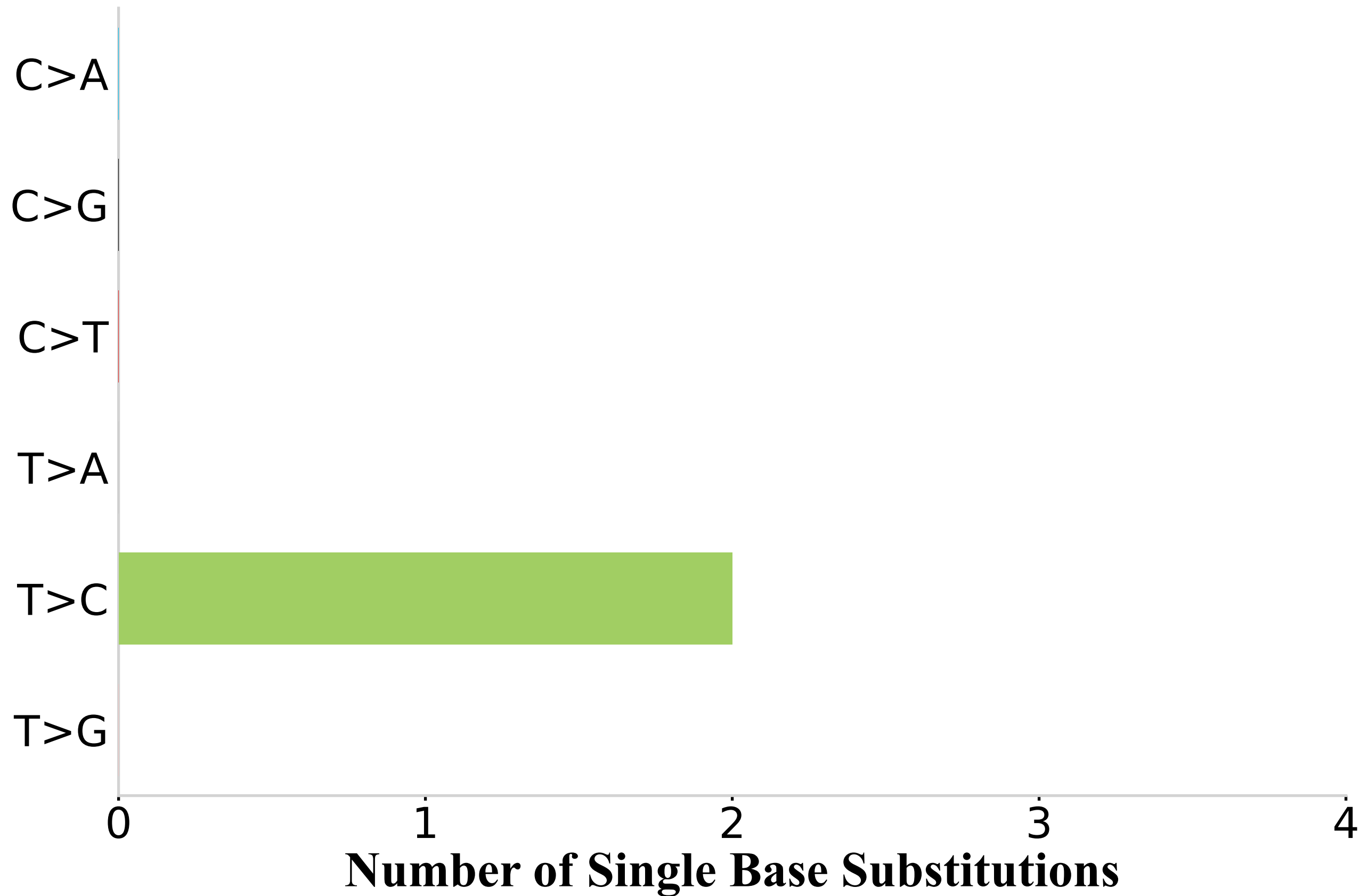
P-0005457-T01-IM5: 3 subs



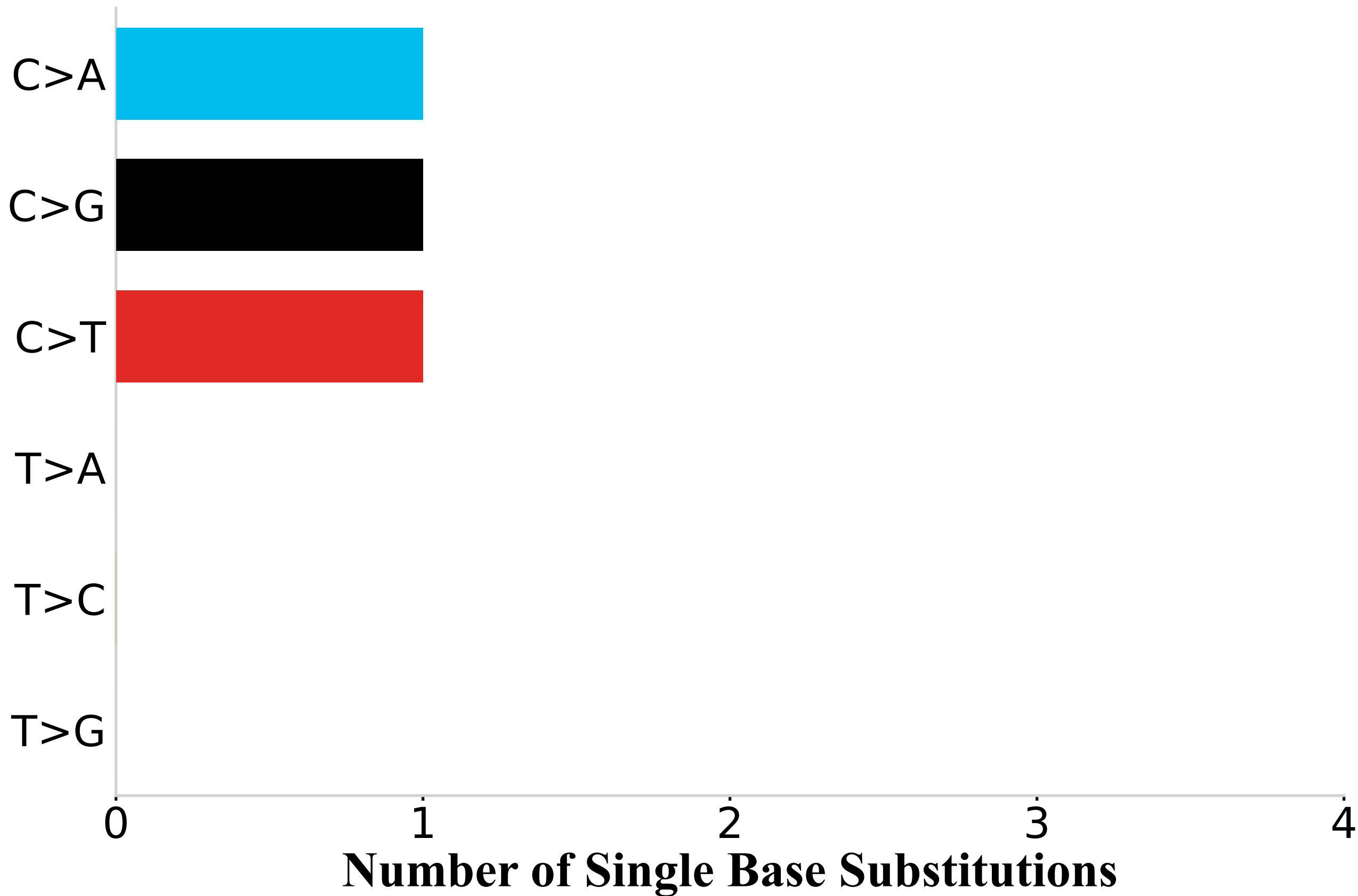
P-0005800-T01-IM5: 1 subs



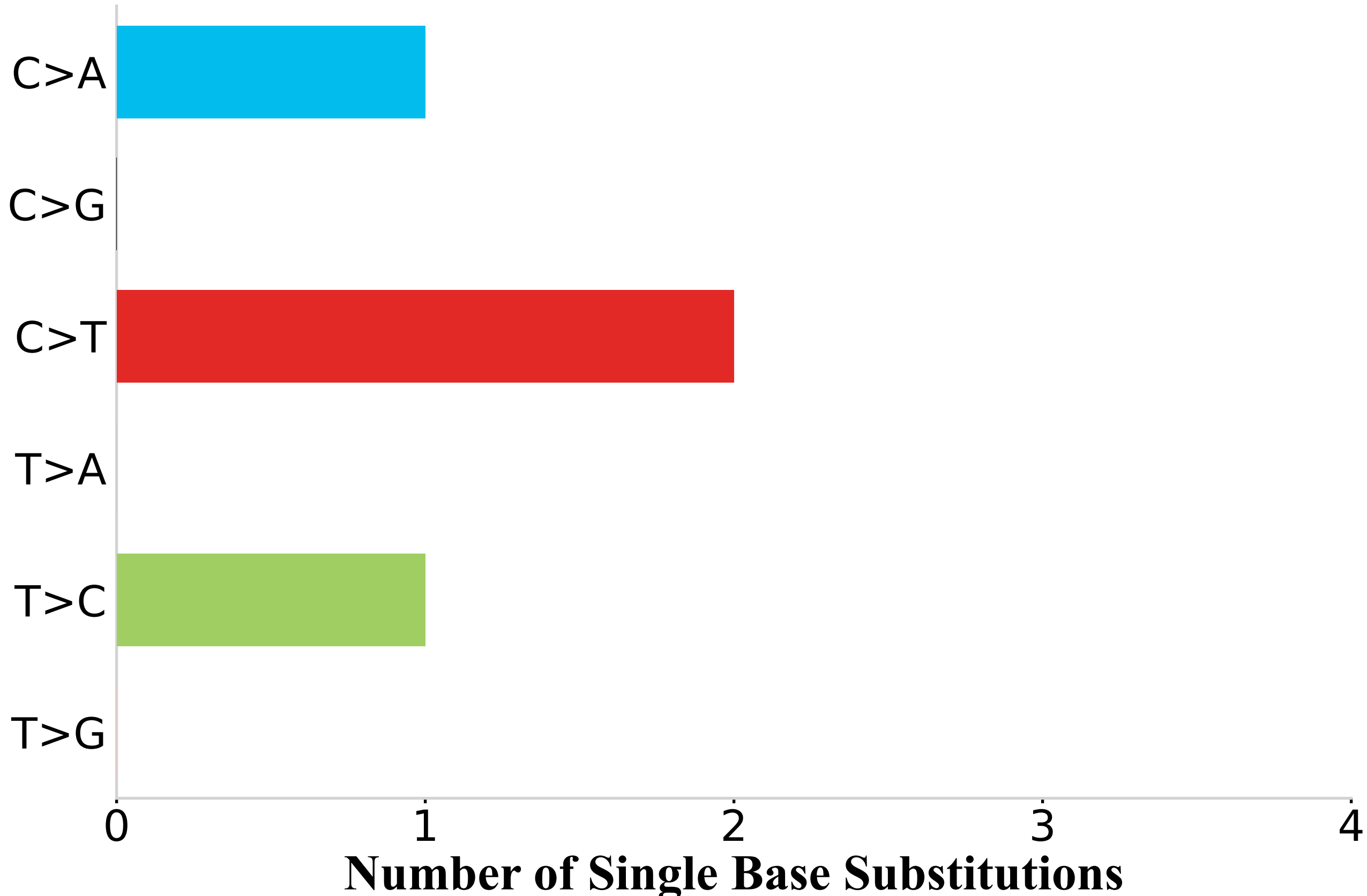
P-0005992-T01-IM5: 2 subs



P-0006131-T01-IM5: 3 subs



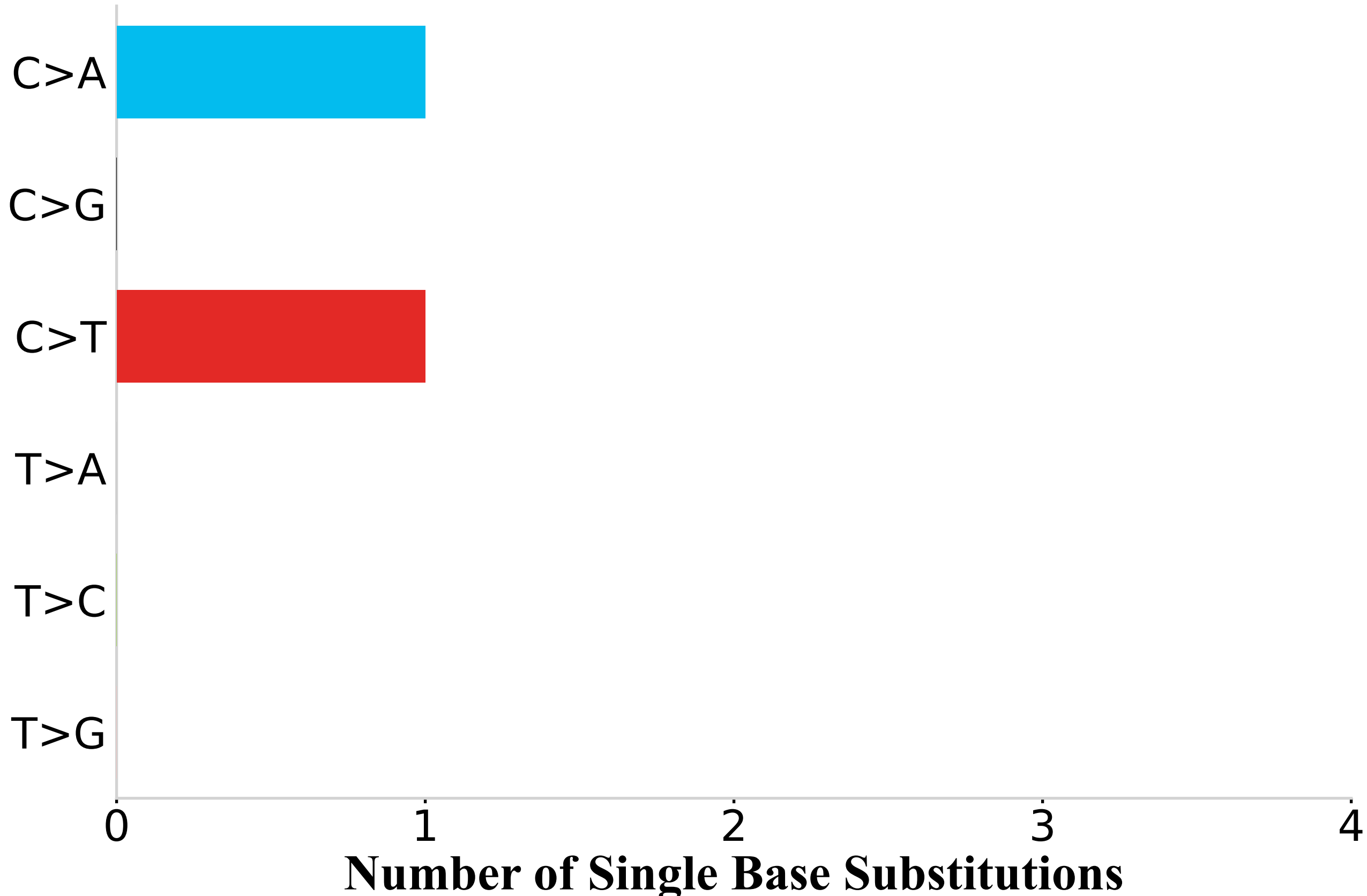
P-0006250-T01-IM5: 4 subs



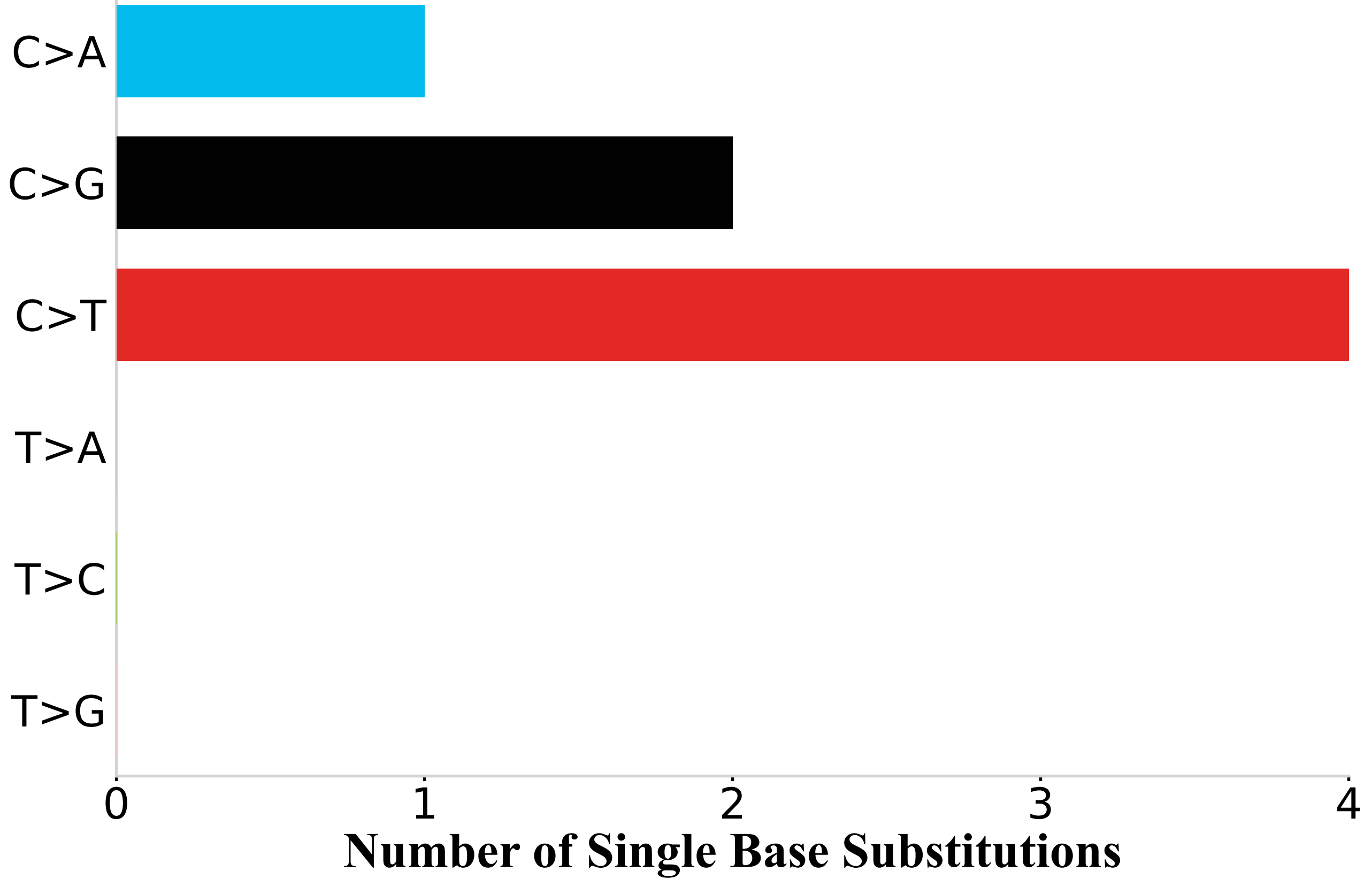
P-0006430-T01-IM5: 1 subs



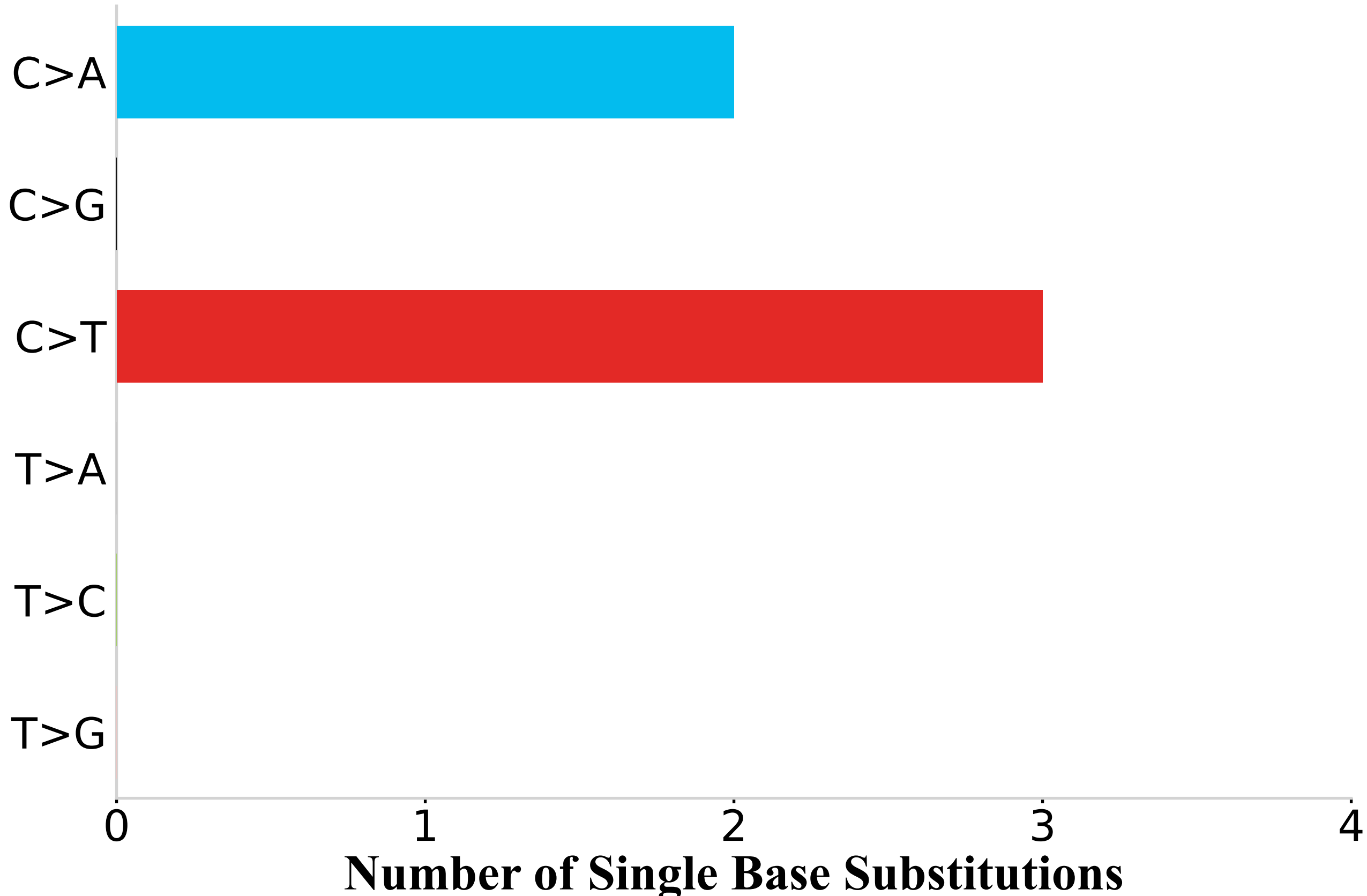
P-0006812-T01-IM5: 2 subs



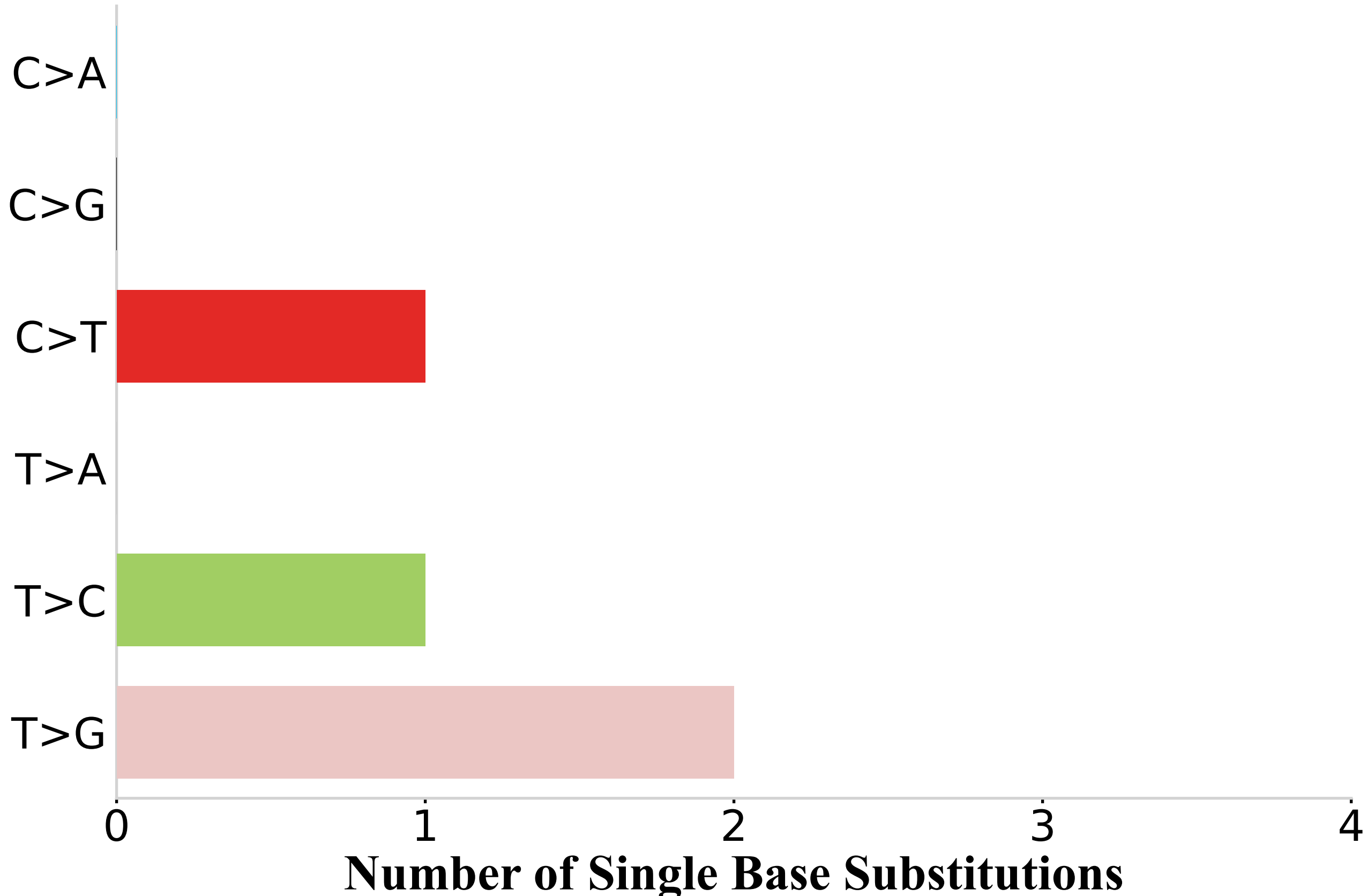
P-0007071-T01-IM5: 7 subs



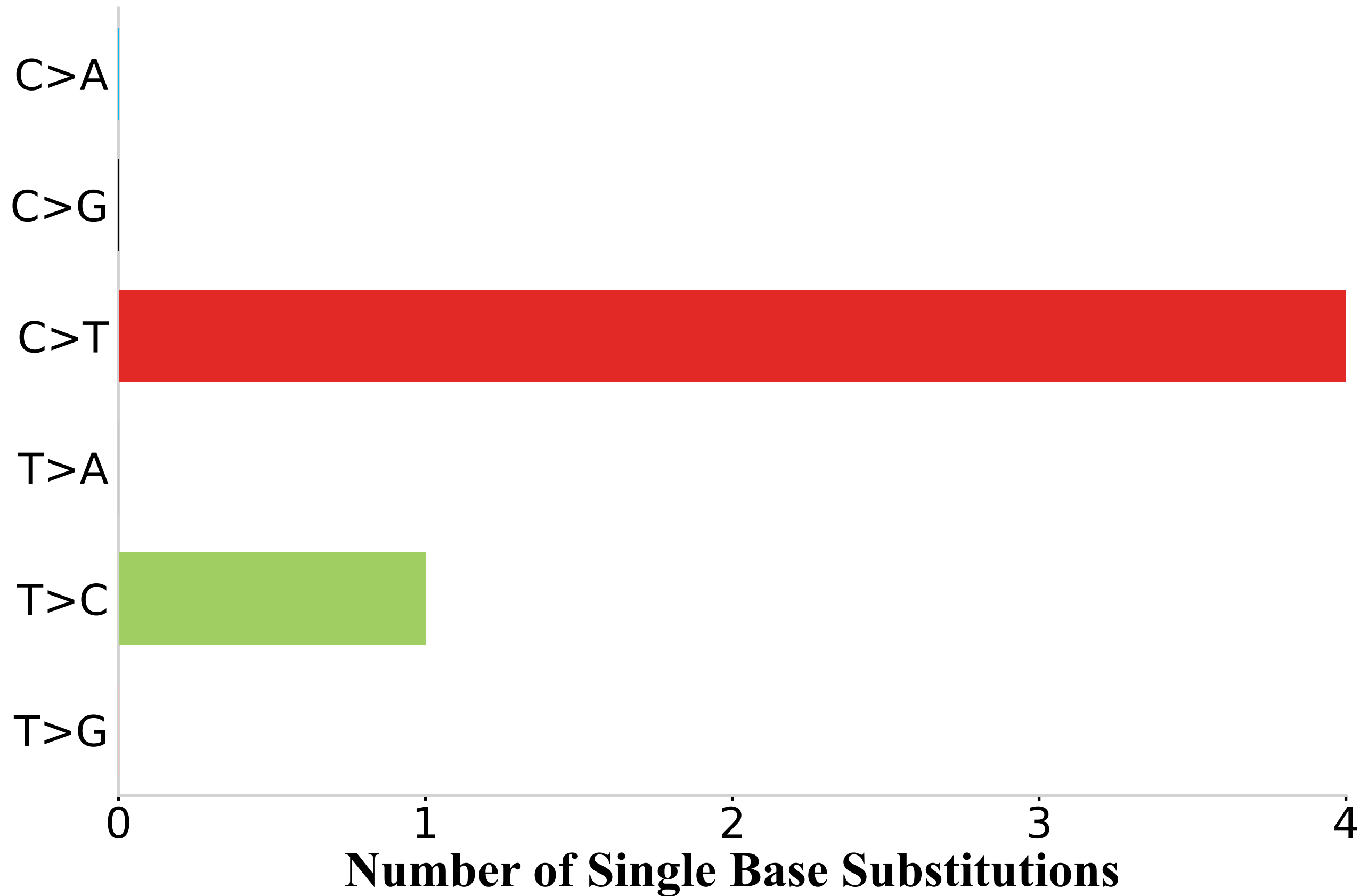
P-0007298-T02-IM6: 5 subs



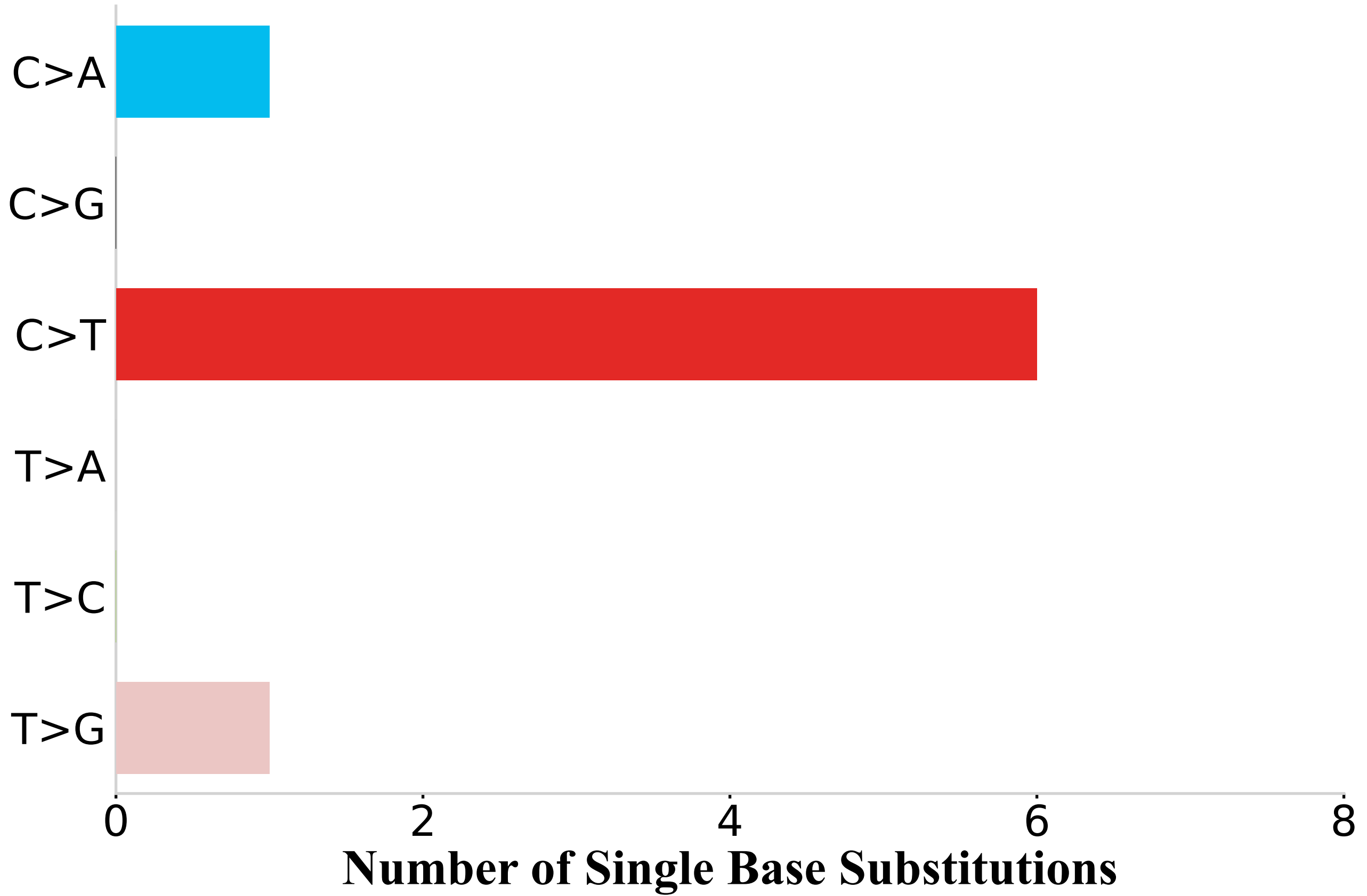
P-0007360-T01-IM5: 4 subs



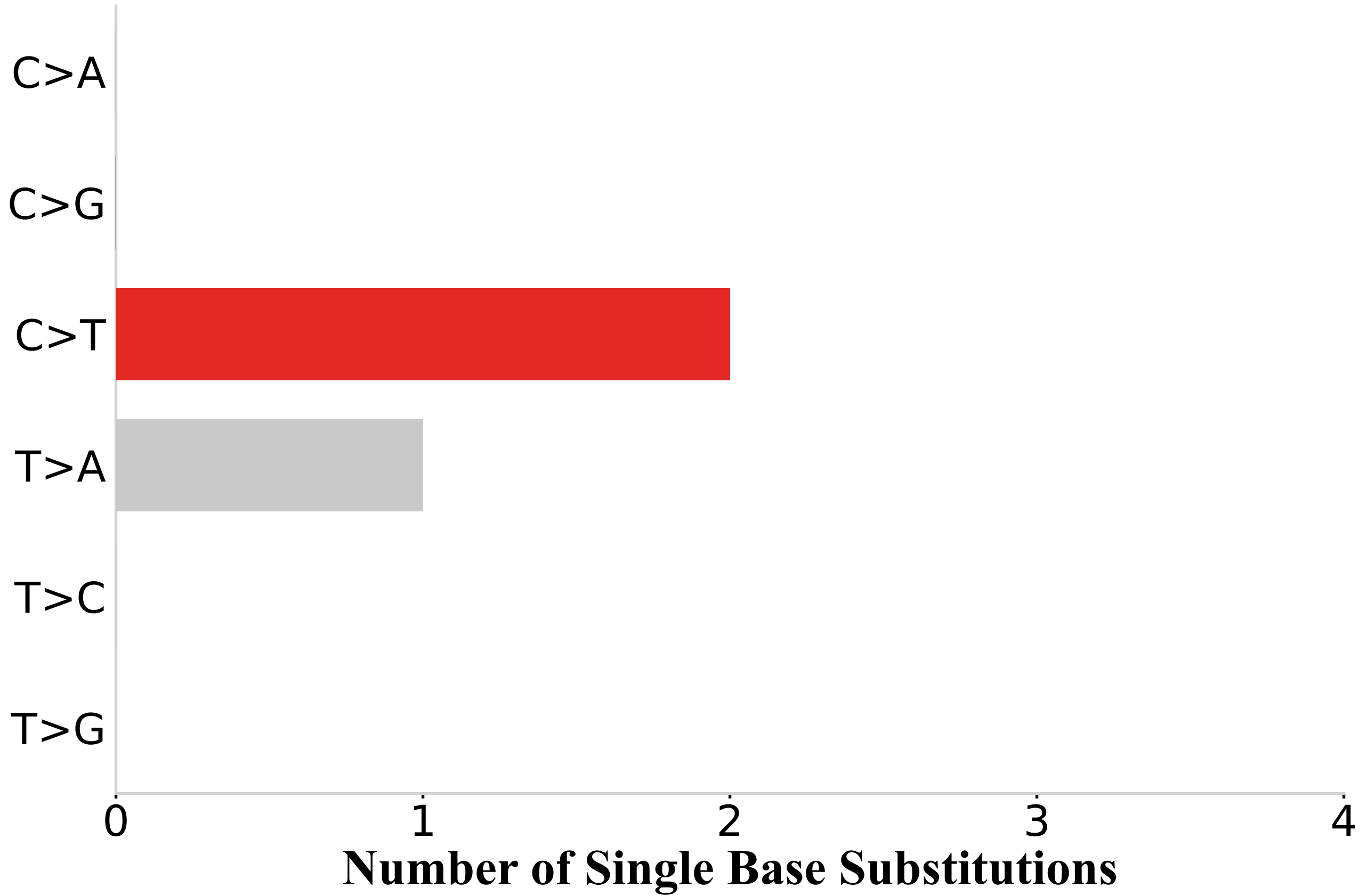
P-0008437-T01-IM5: 5 subs



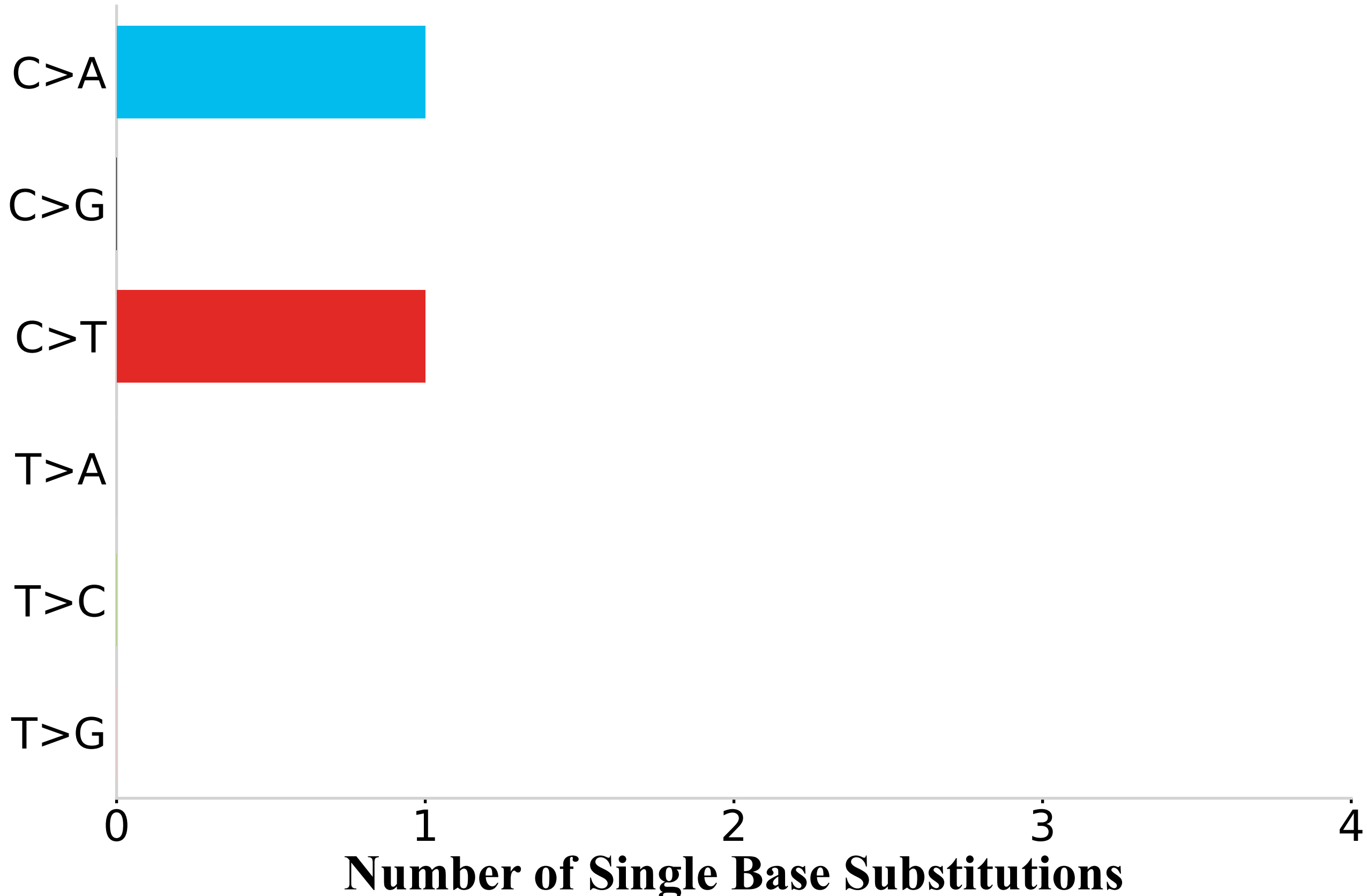
P-0008494-T01-IM5: 8 subs



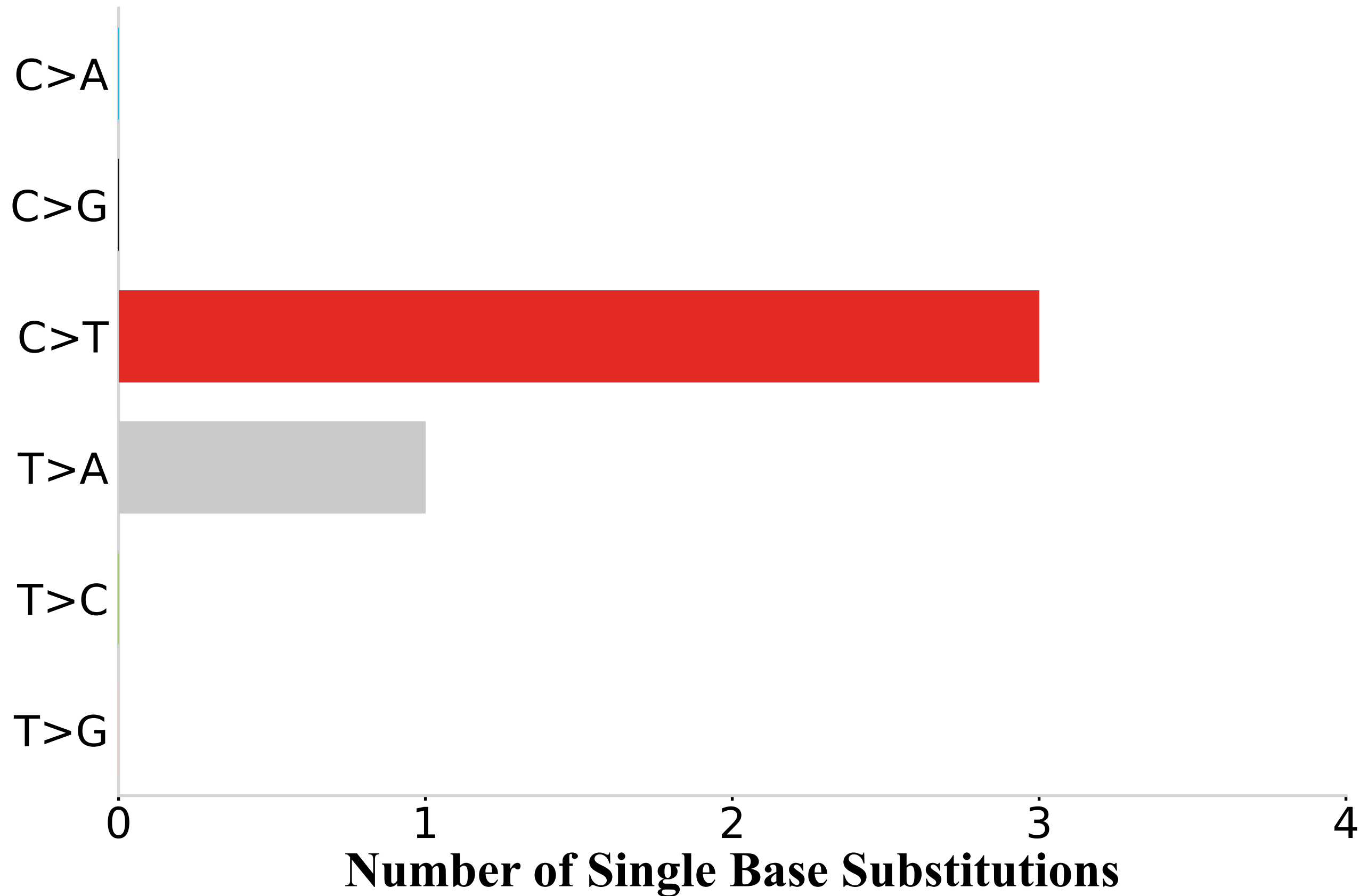
P-0008519-T01-IM5: 3 subs



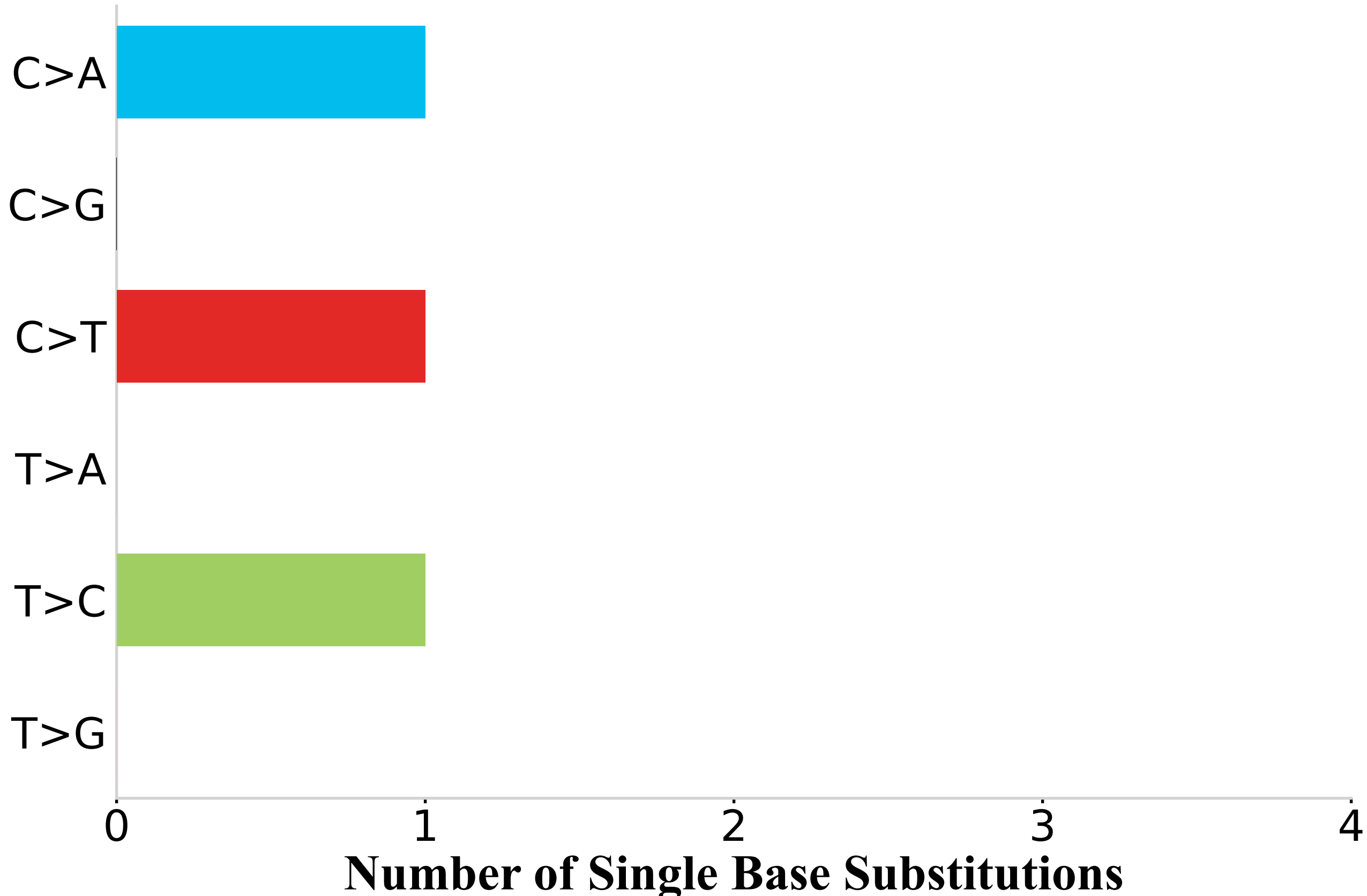
P-0008778-T01-IM5: 2 subs



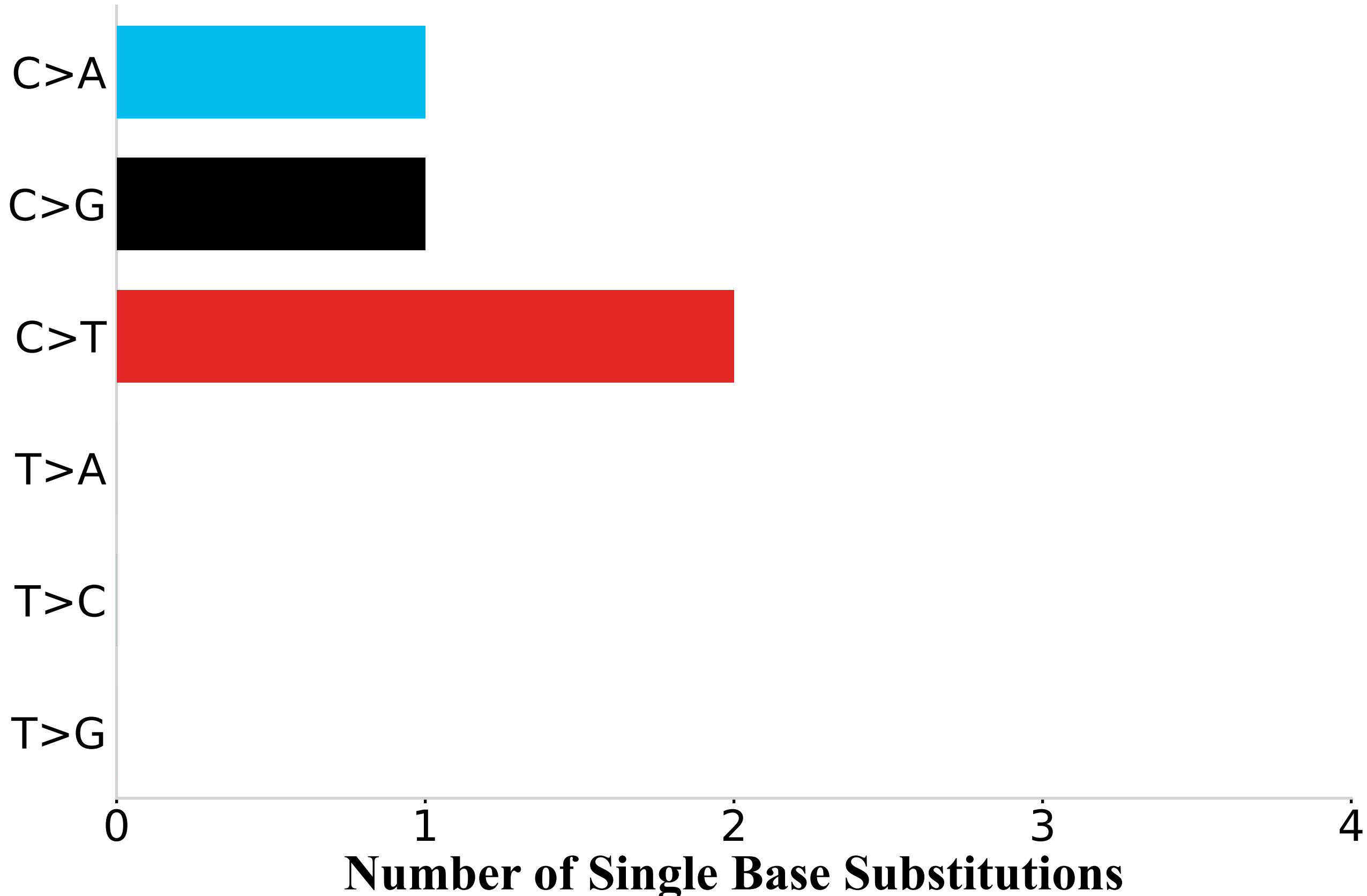
P-0008907-T01-IM5: 4 subs



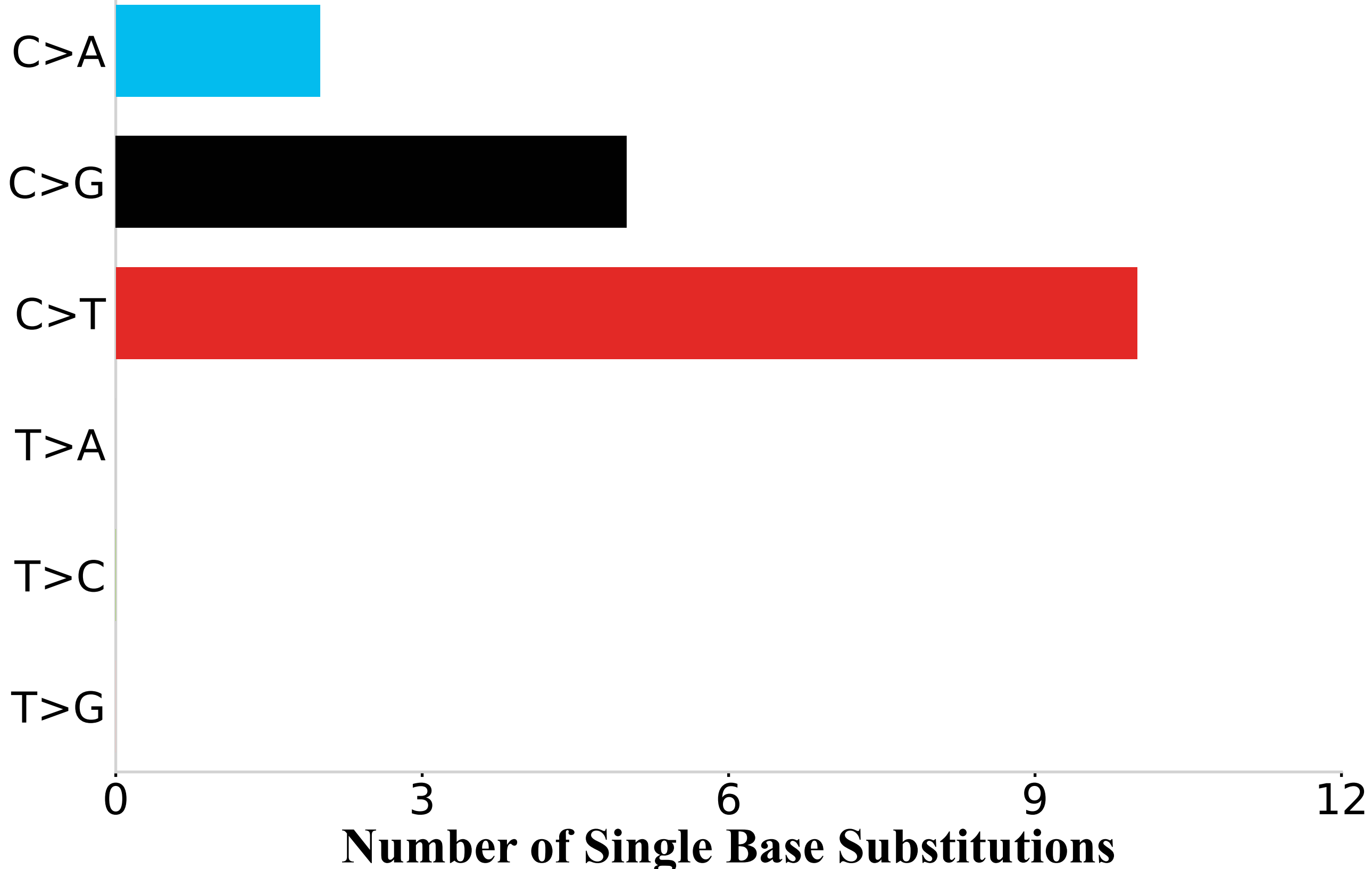
P-0009187-T01-IM5: 3 subs



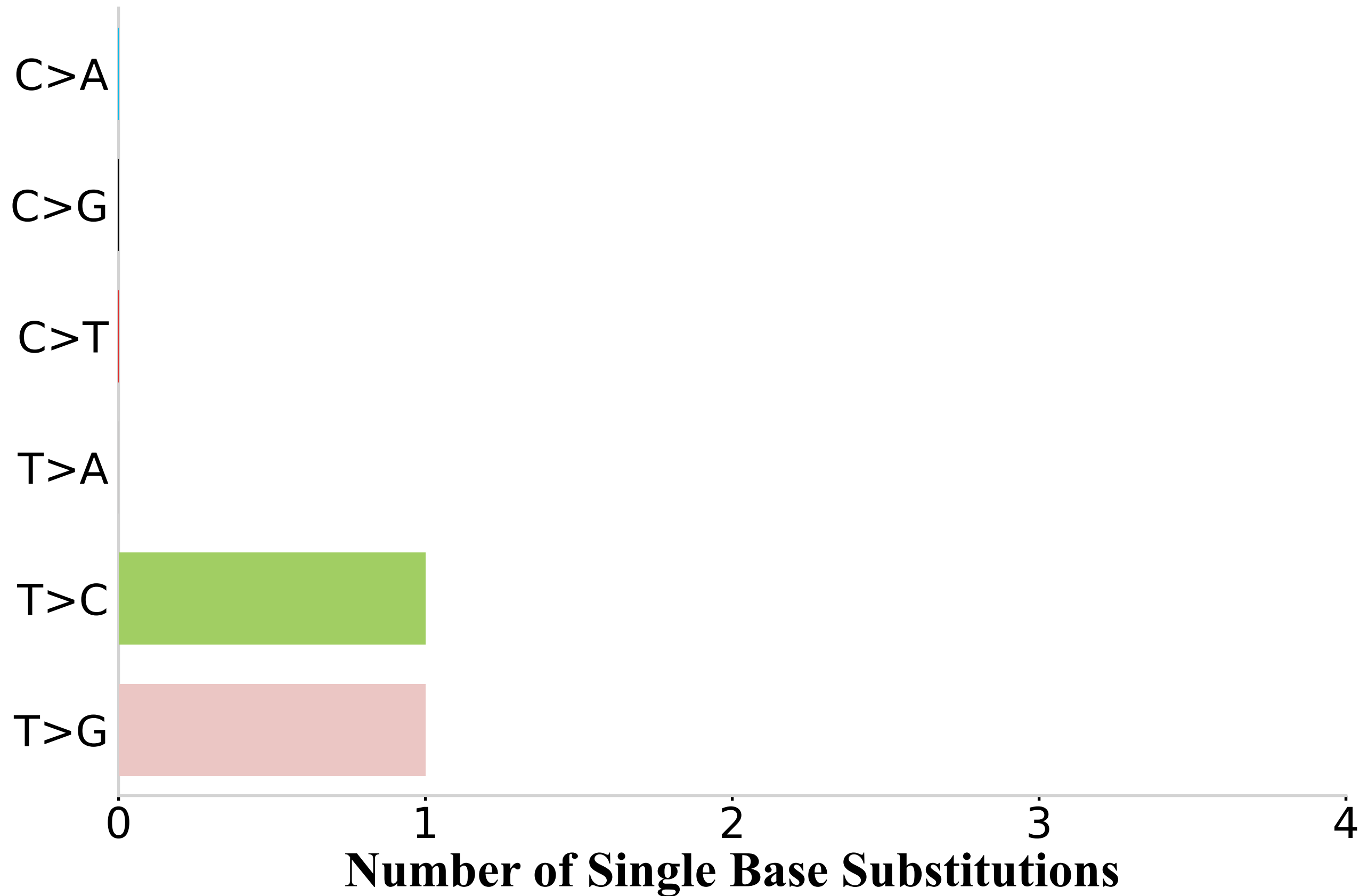
P-0009713-T01-IM5: 4 subs



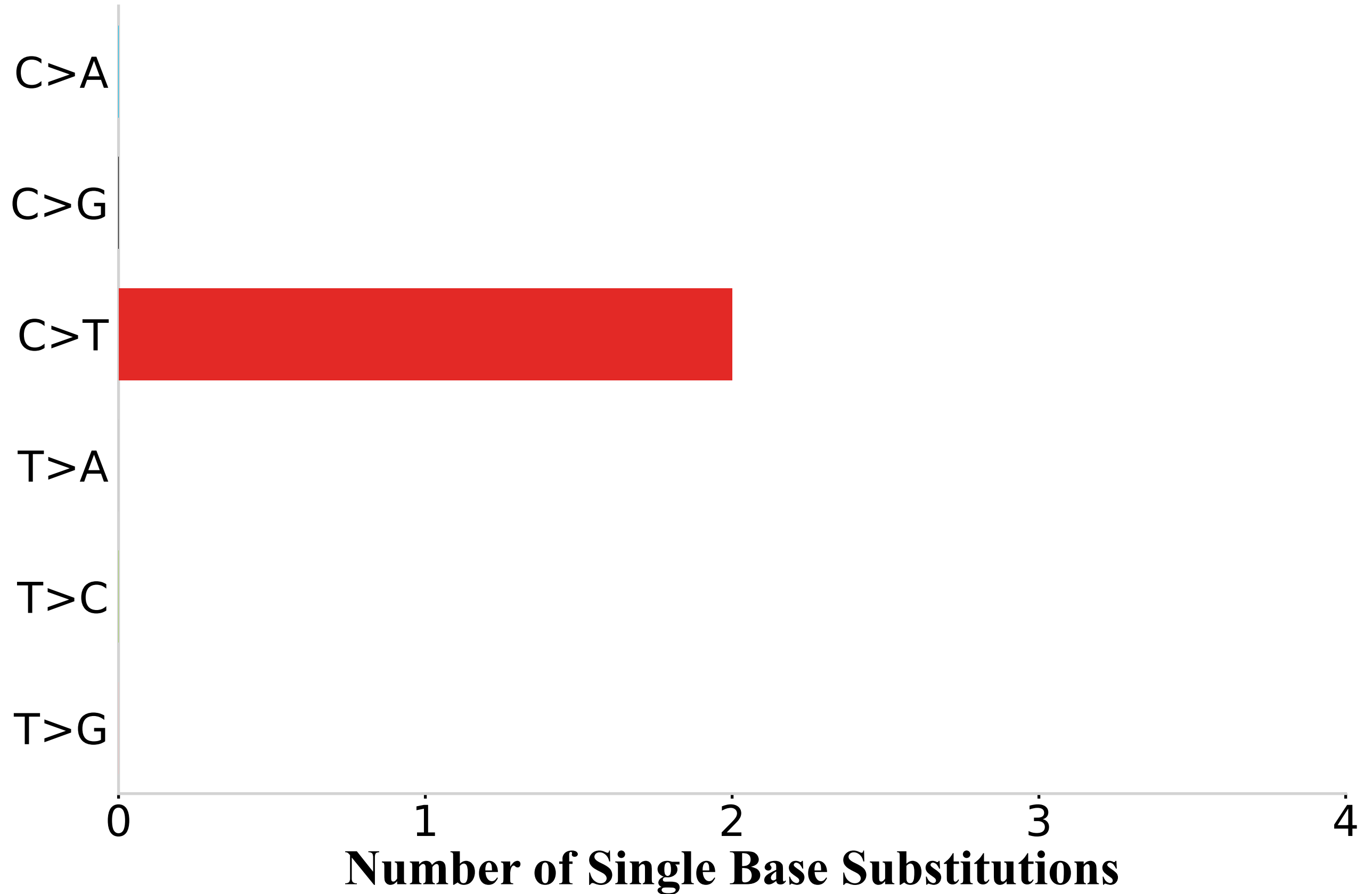
P-0009913-T01-IM5: 17 subs



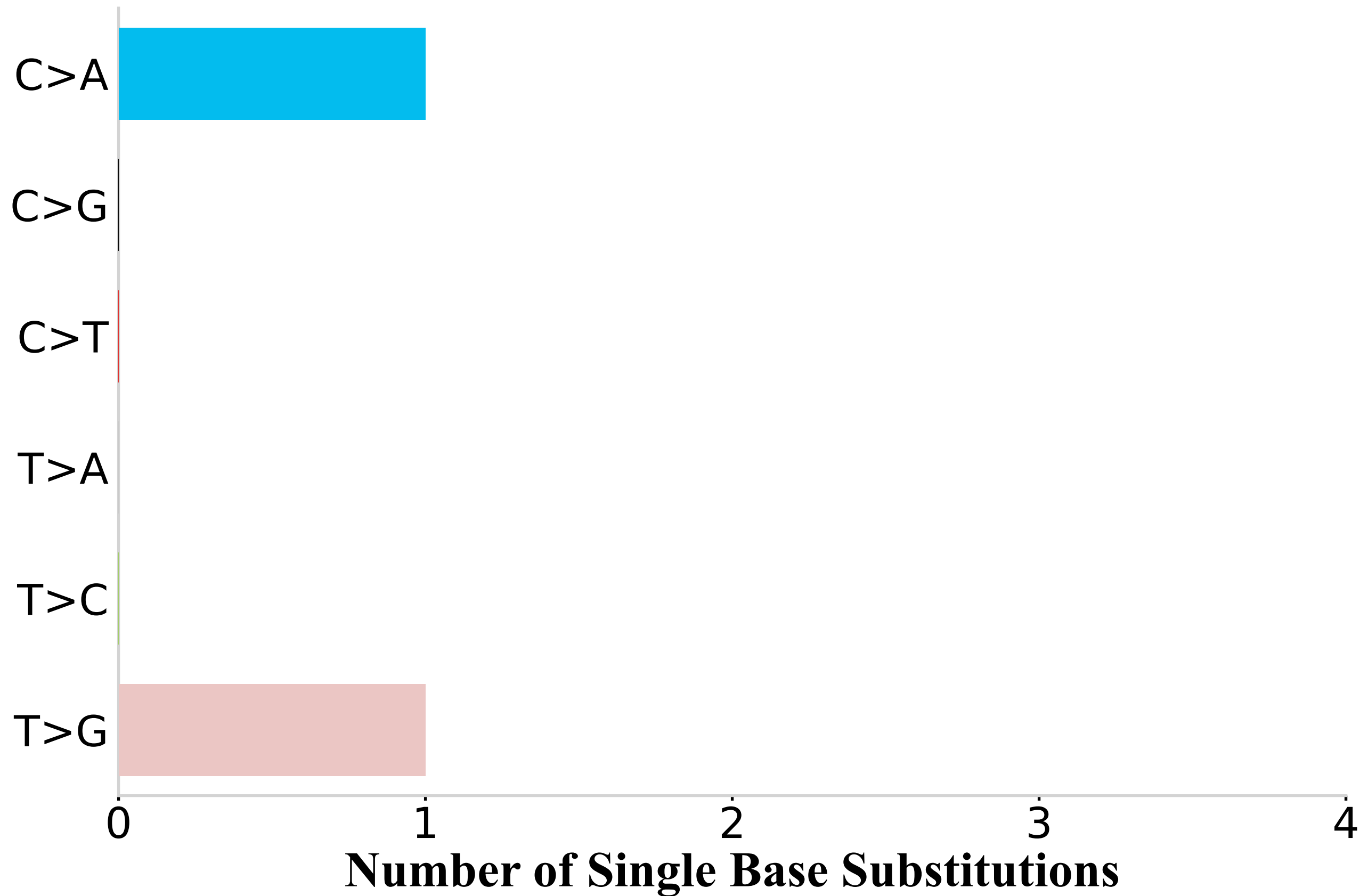
P-0009967-T01-IM5: 2 subs



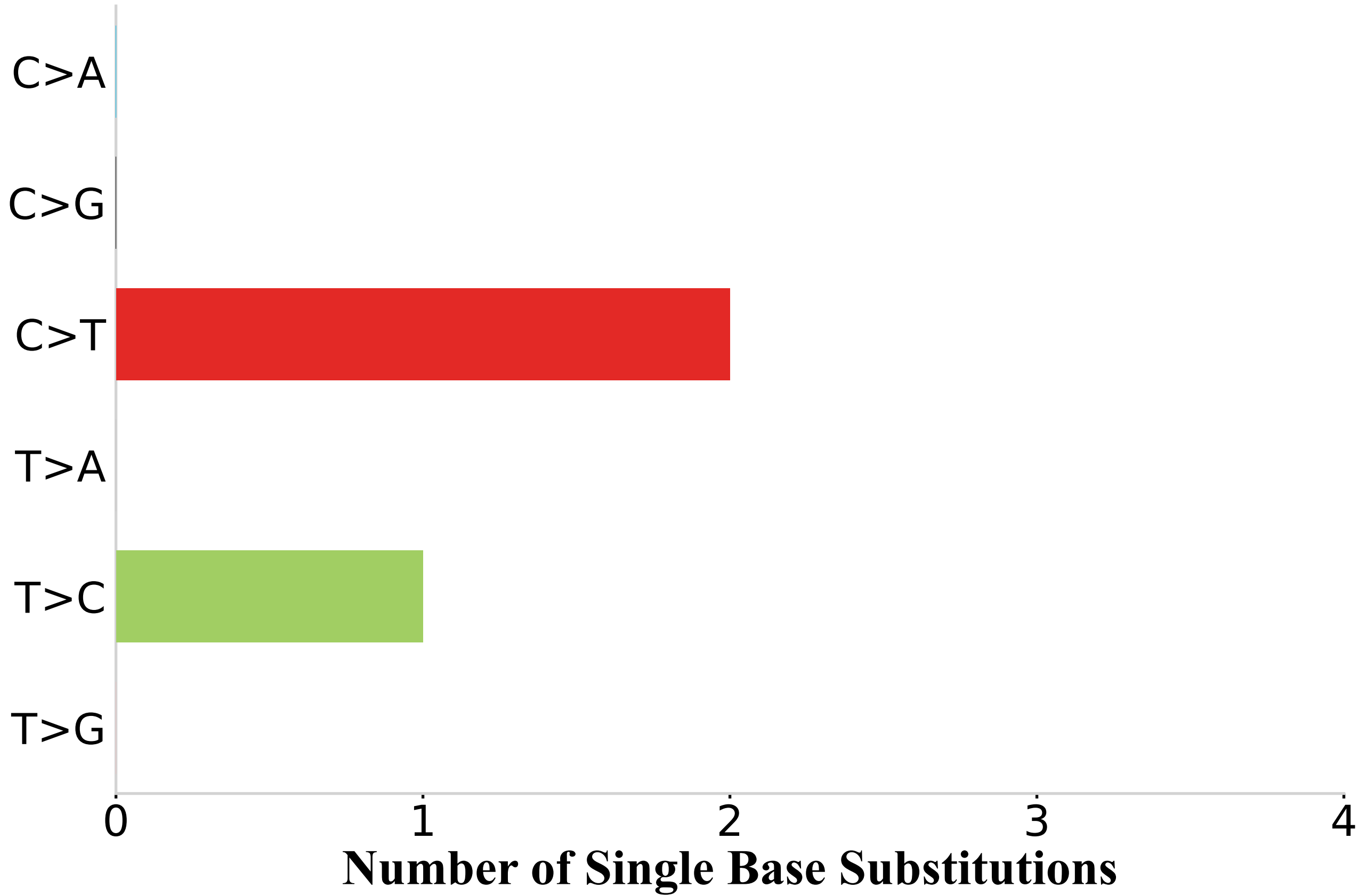
P-0010532-T01-IM5: 2 subs



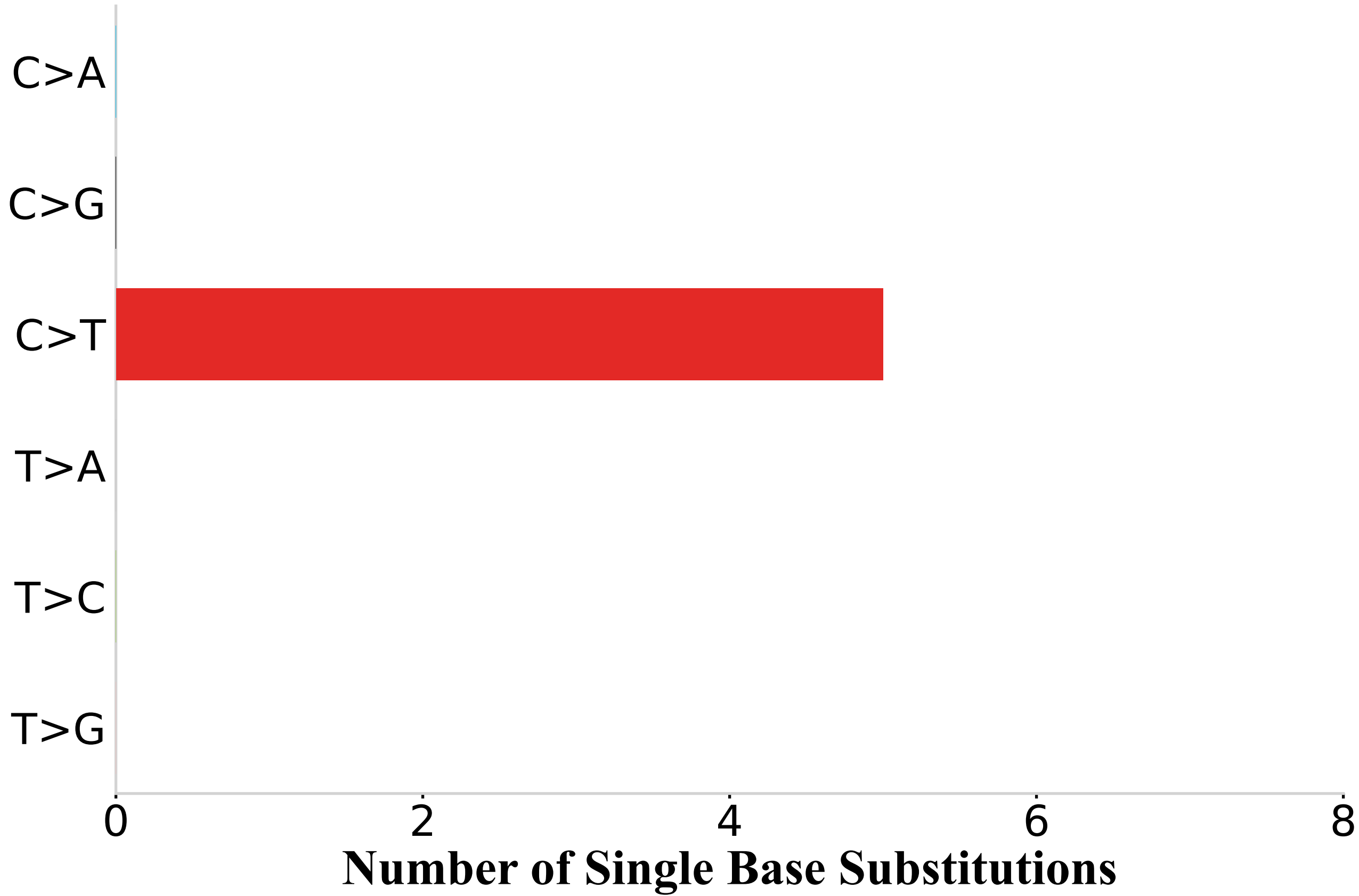
P-0010789-T01-IM5: 2 subs



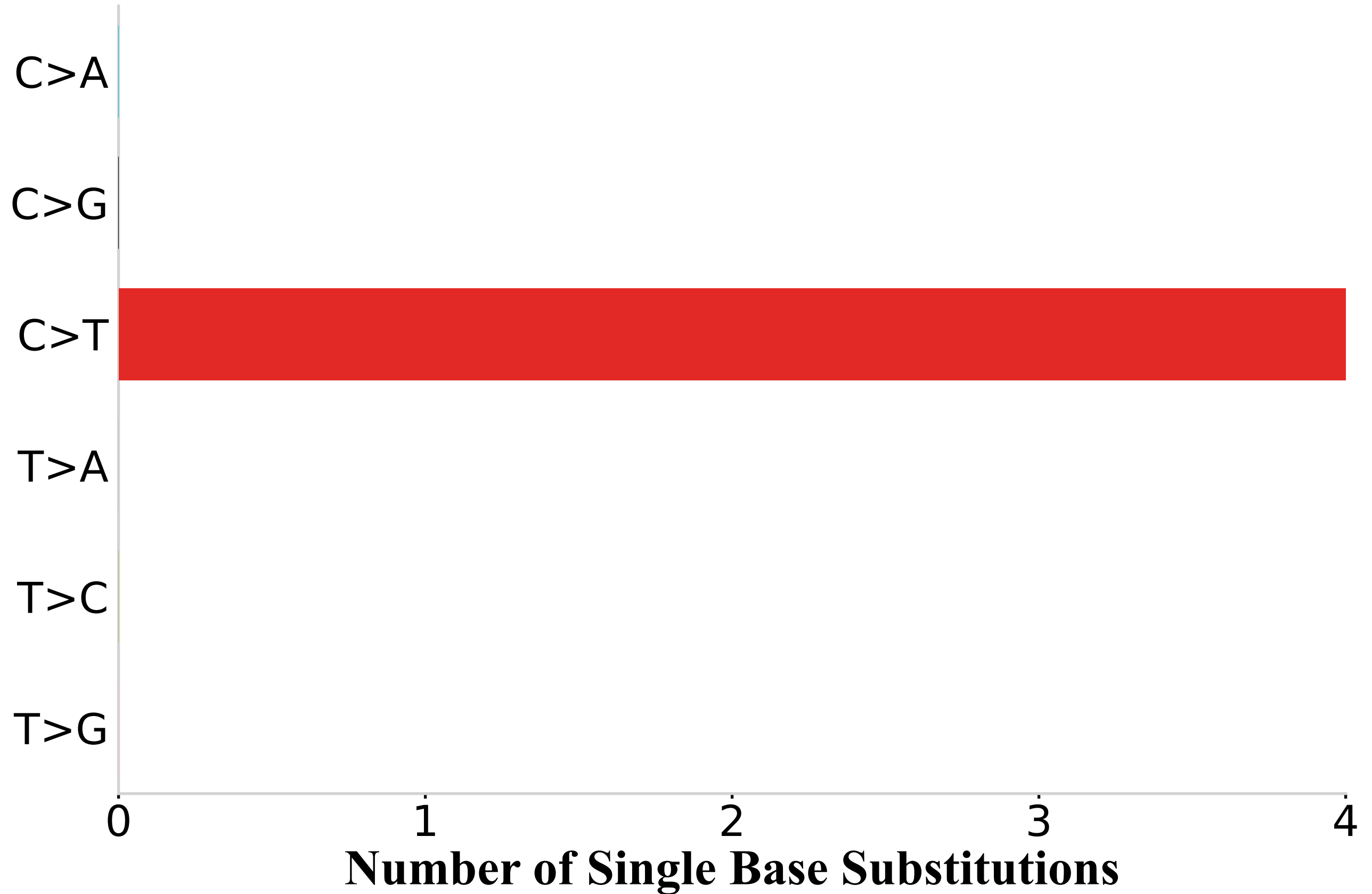
P-0011103-T01-IM5: 3 subs



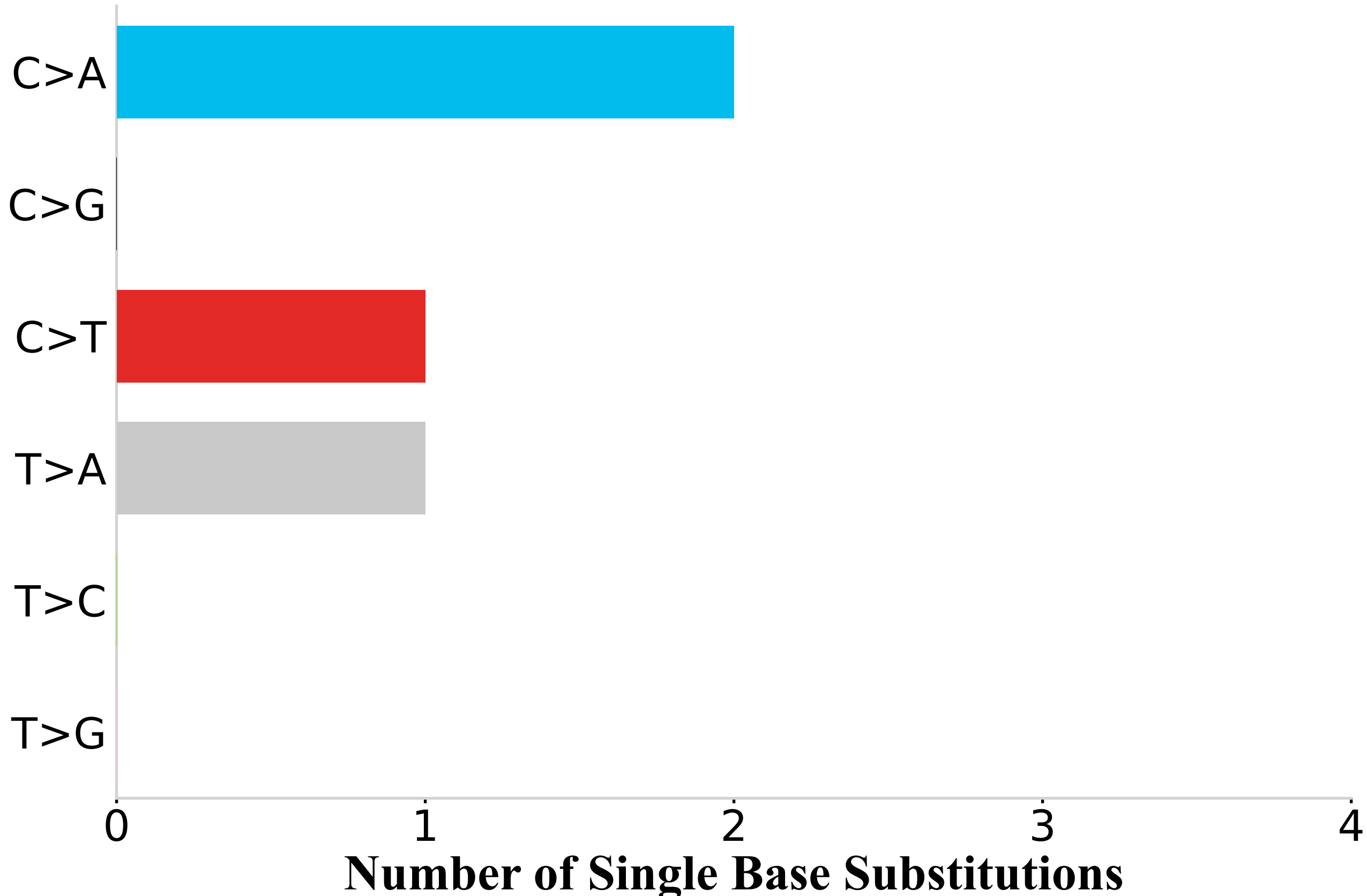
P-0011391-T01-IM5: 5 subs



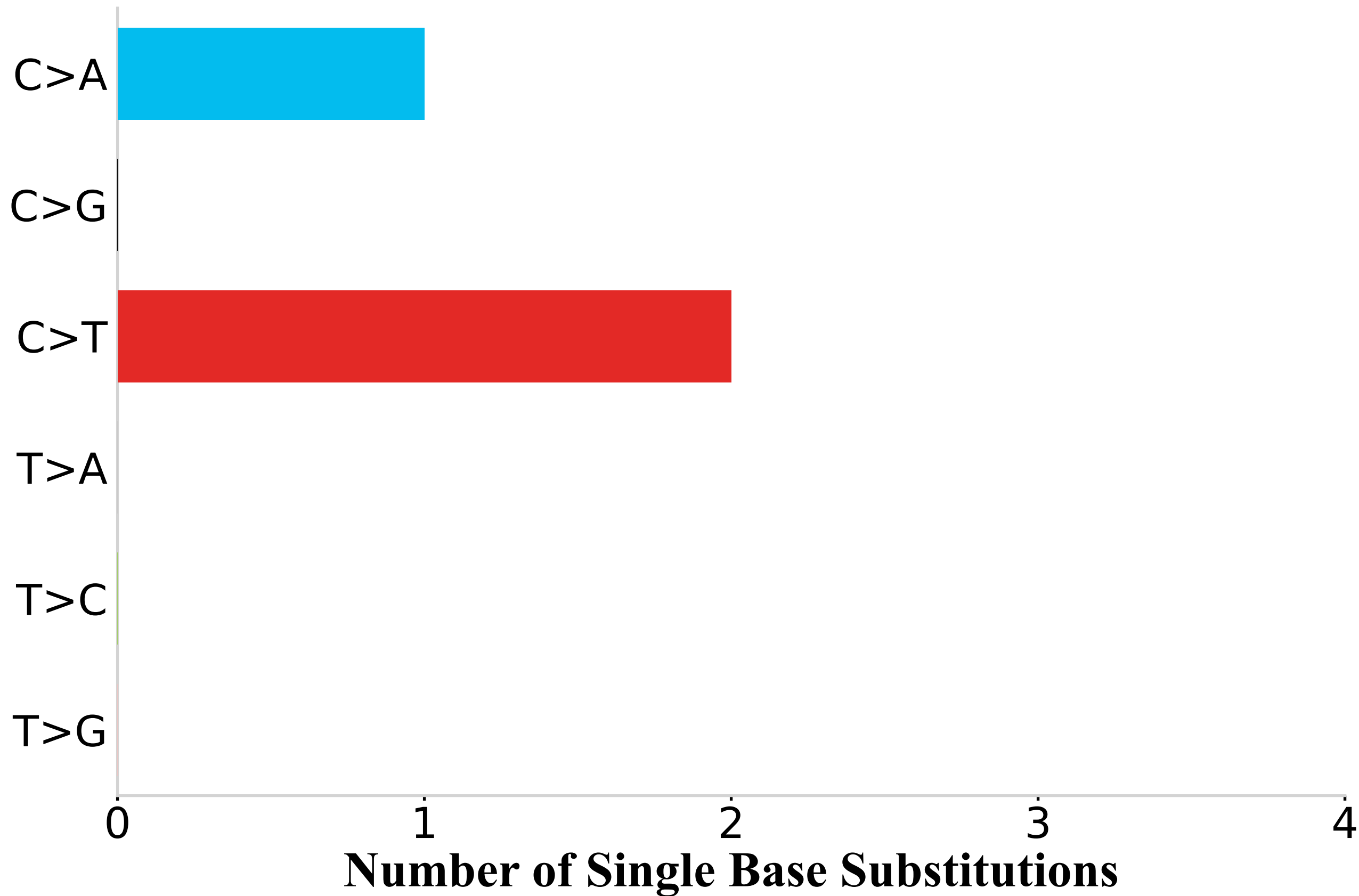
P-0012101-T01-IM5: 4 subs



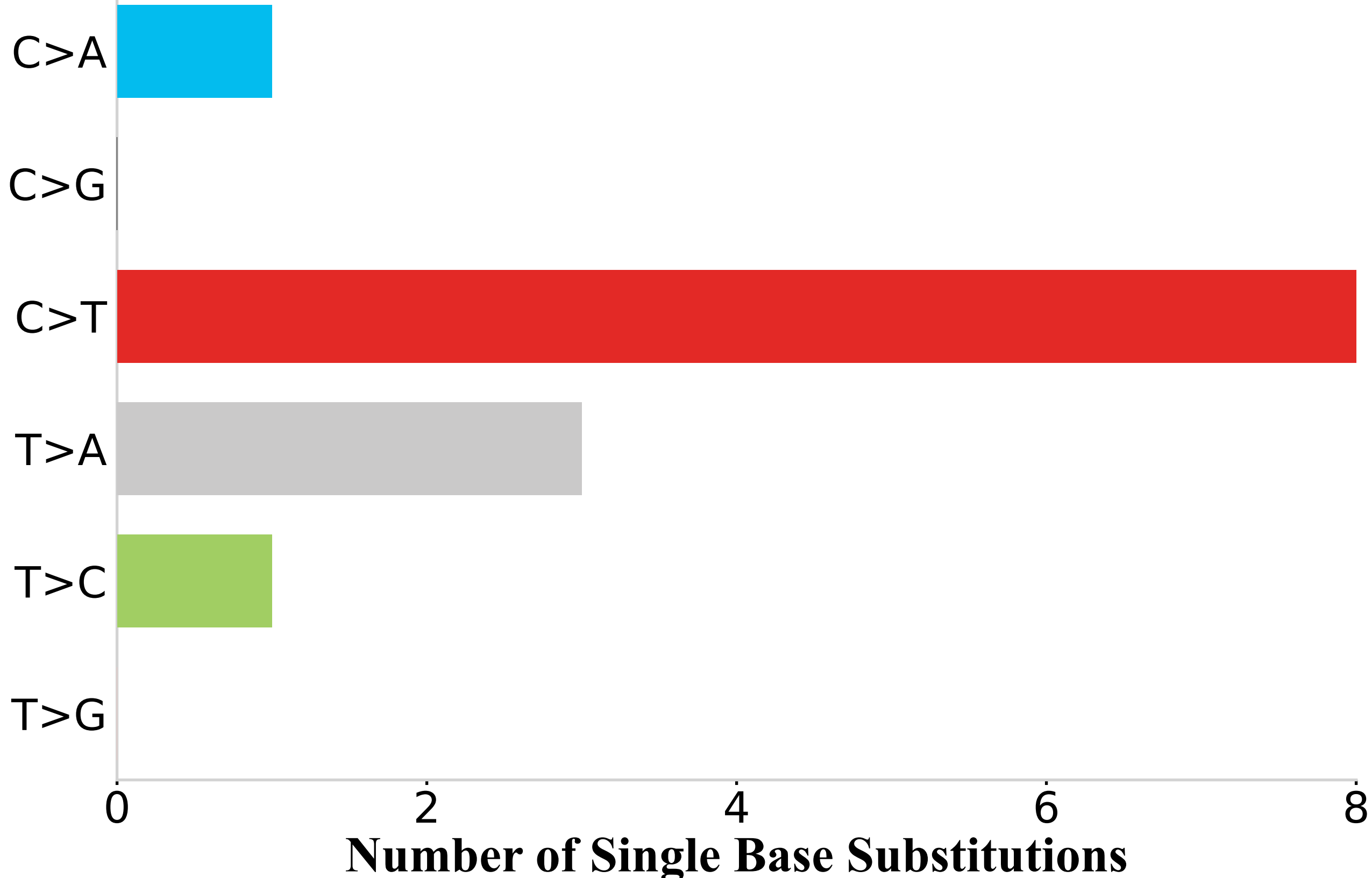
P-0012257-T01-IM5: 4 subs



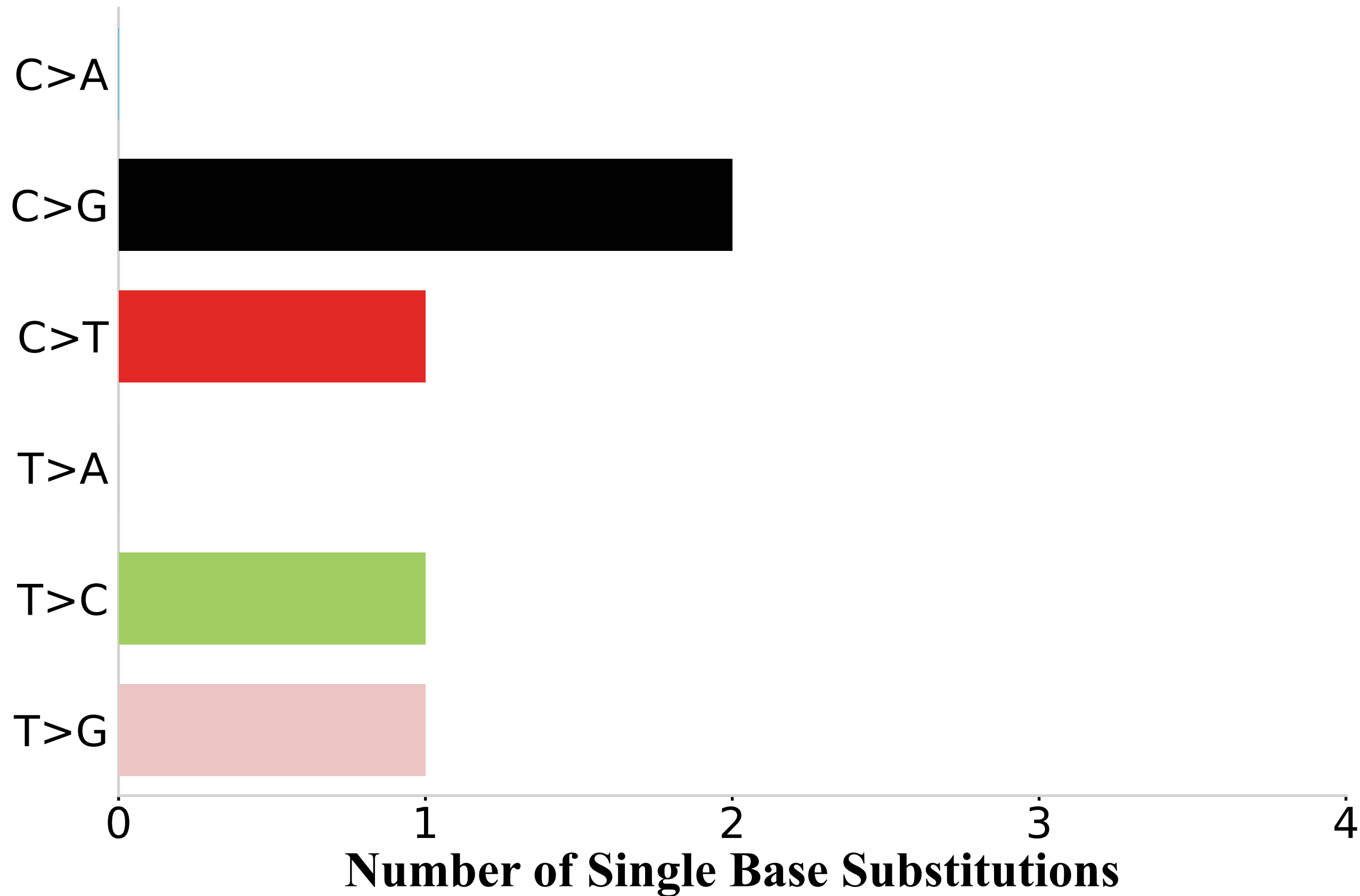
P-0012374-T01-IM5: 3 subs



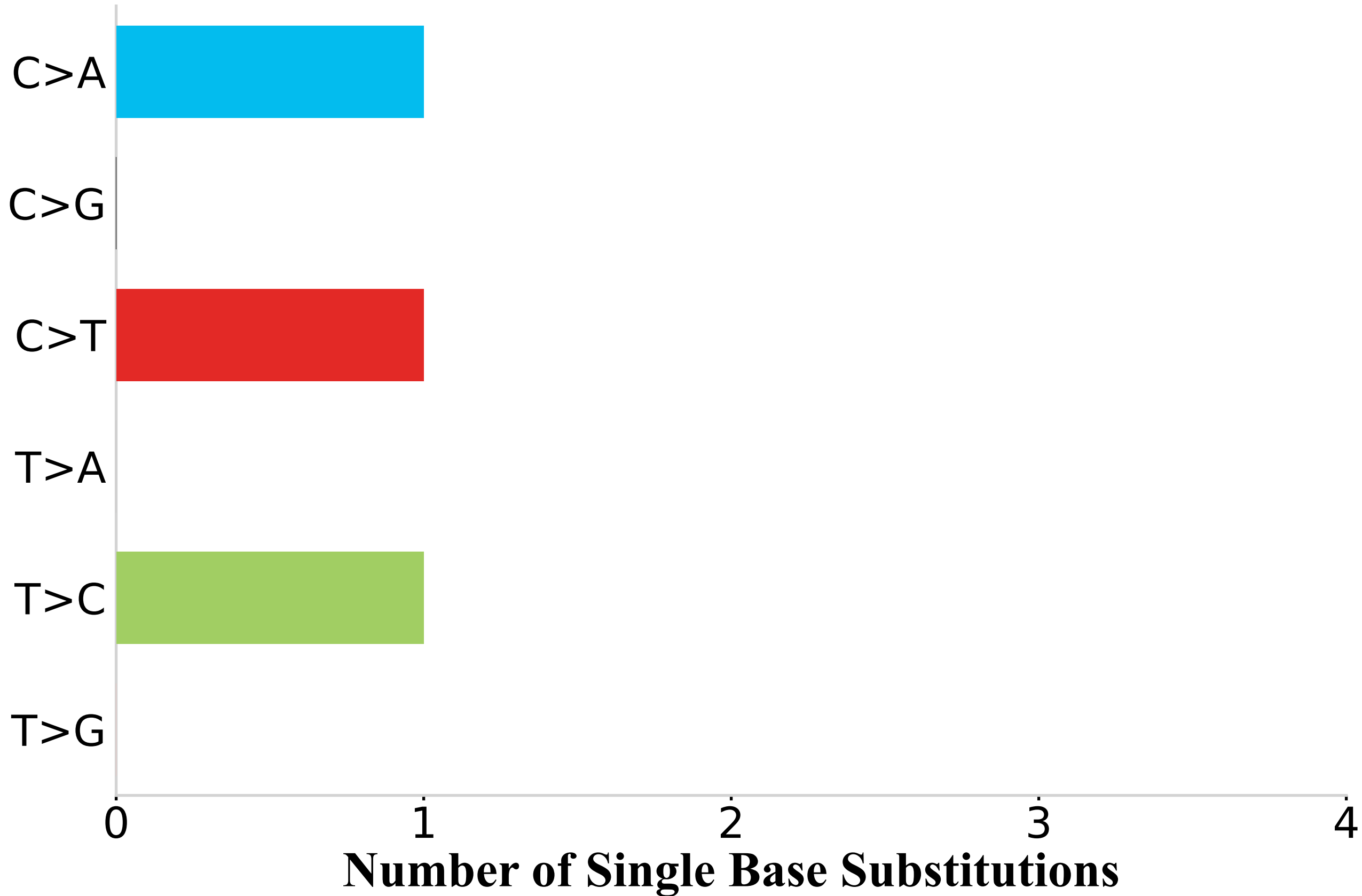
P-0012777-T01-IM5: 13 subs



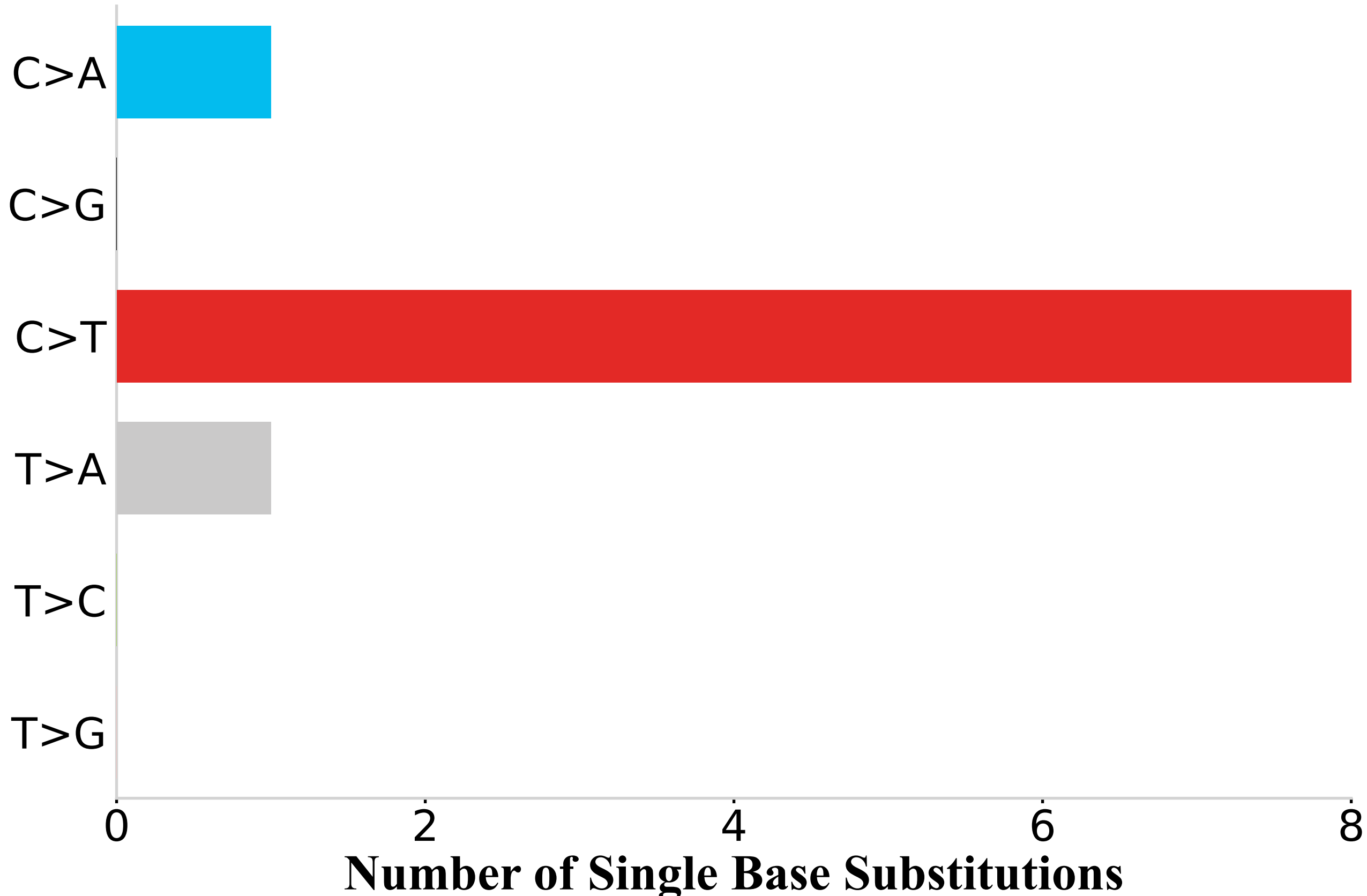
P-0012909-T01-IM5: 5 subs



P-0013303-T01-IM5: 3 subs



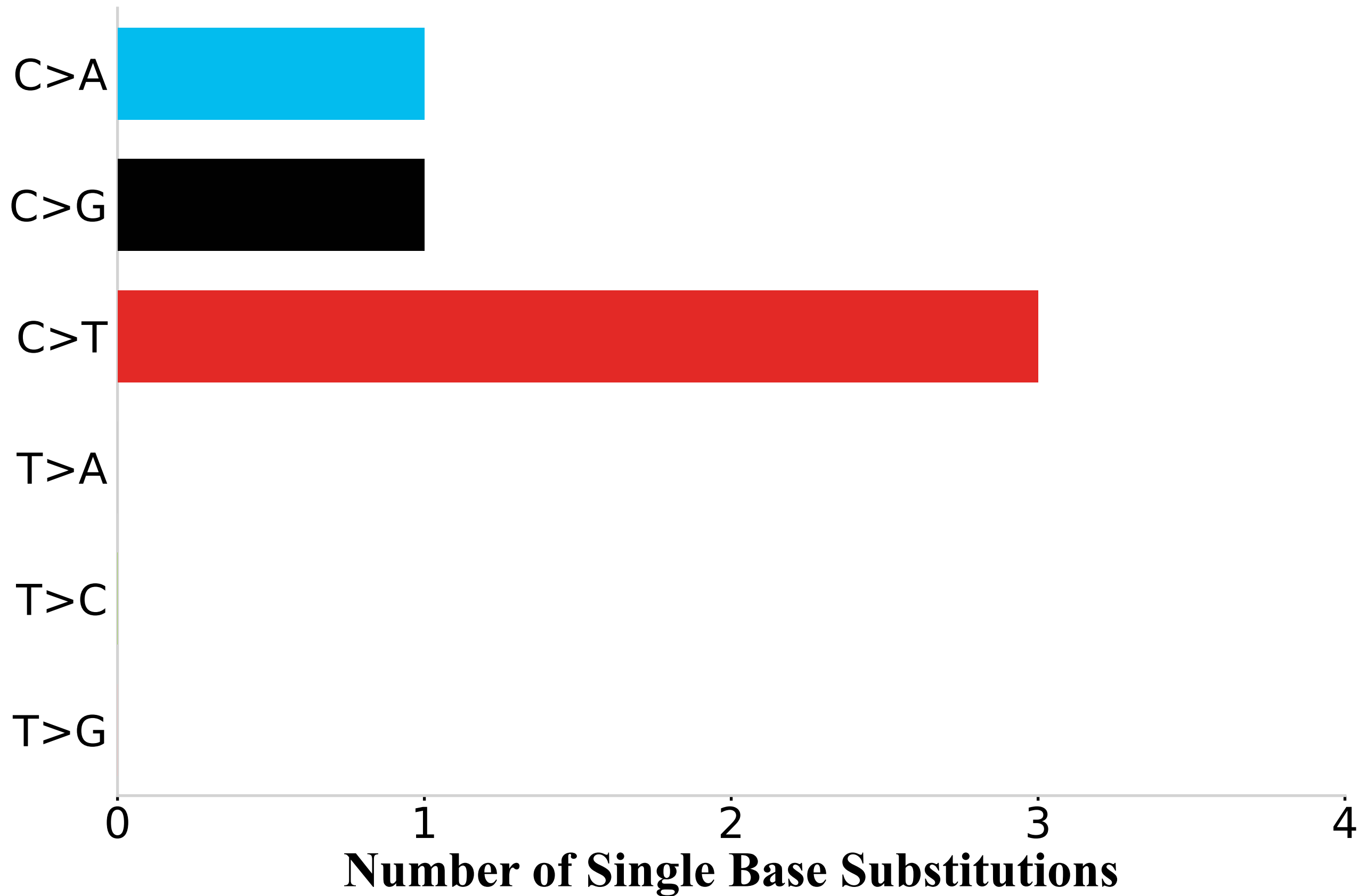
P-0013449-T01-IM5: 10 subs



P-0013849-T01-IM5: 4 subs



P-0014253-T01-IM6: 5 subs



P-0014302-T01-IM6: 7 subs

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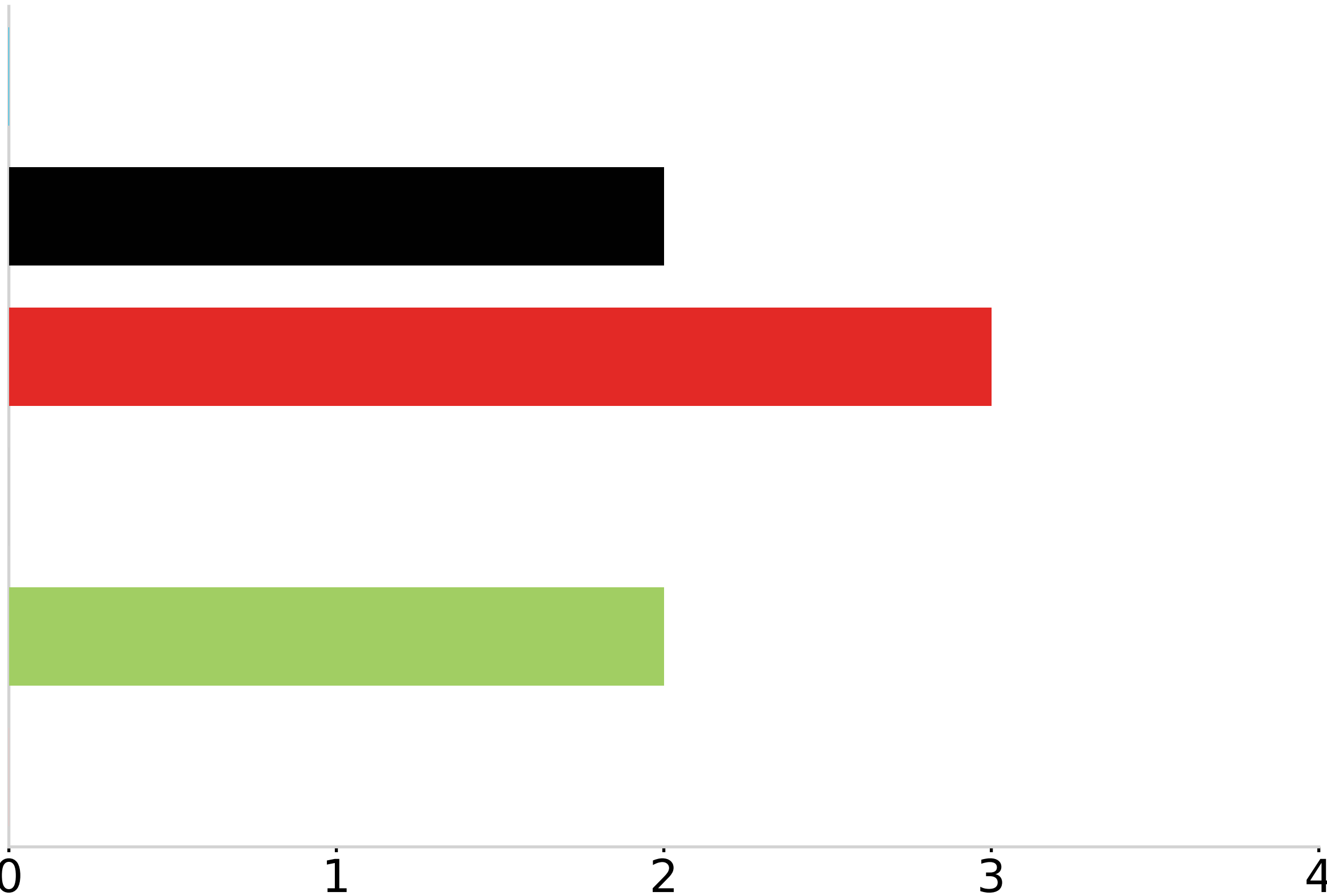
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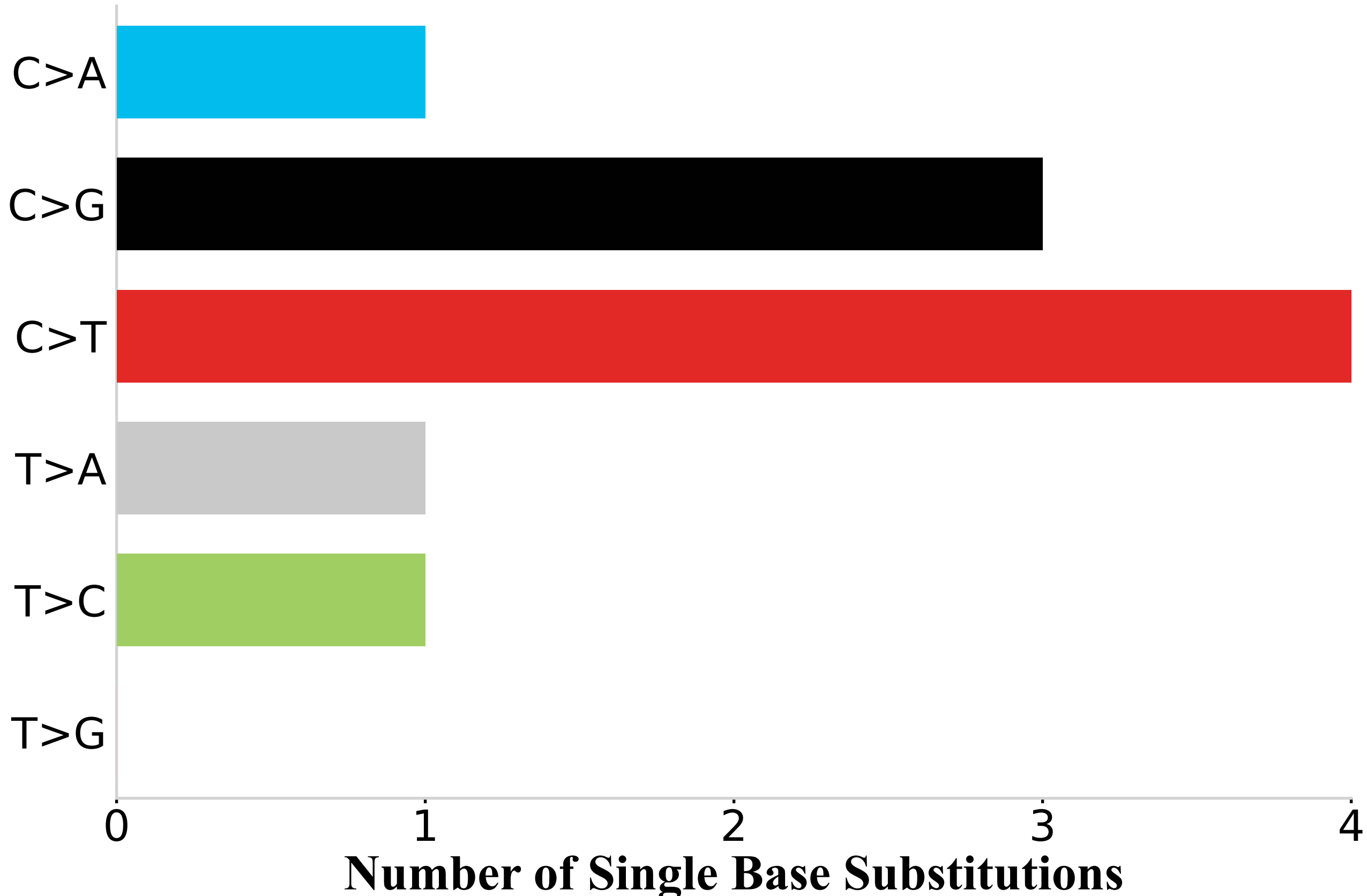
T>C

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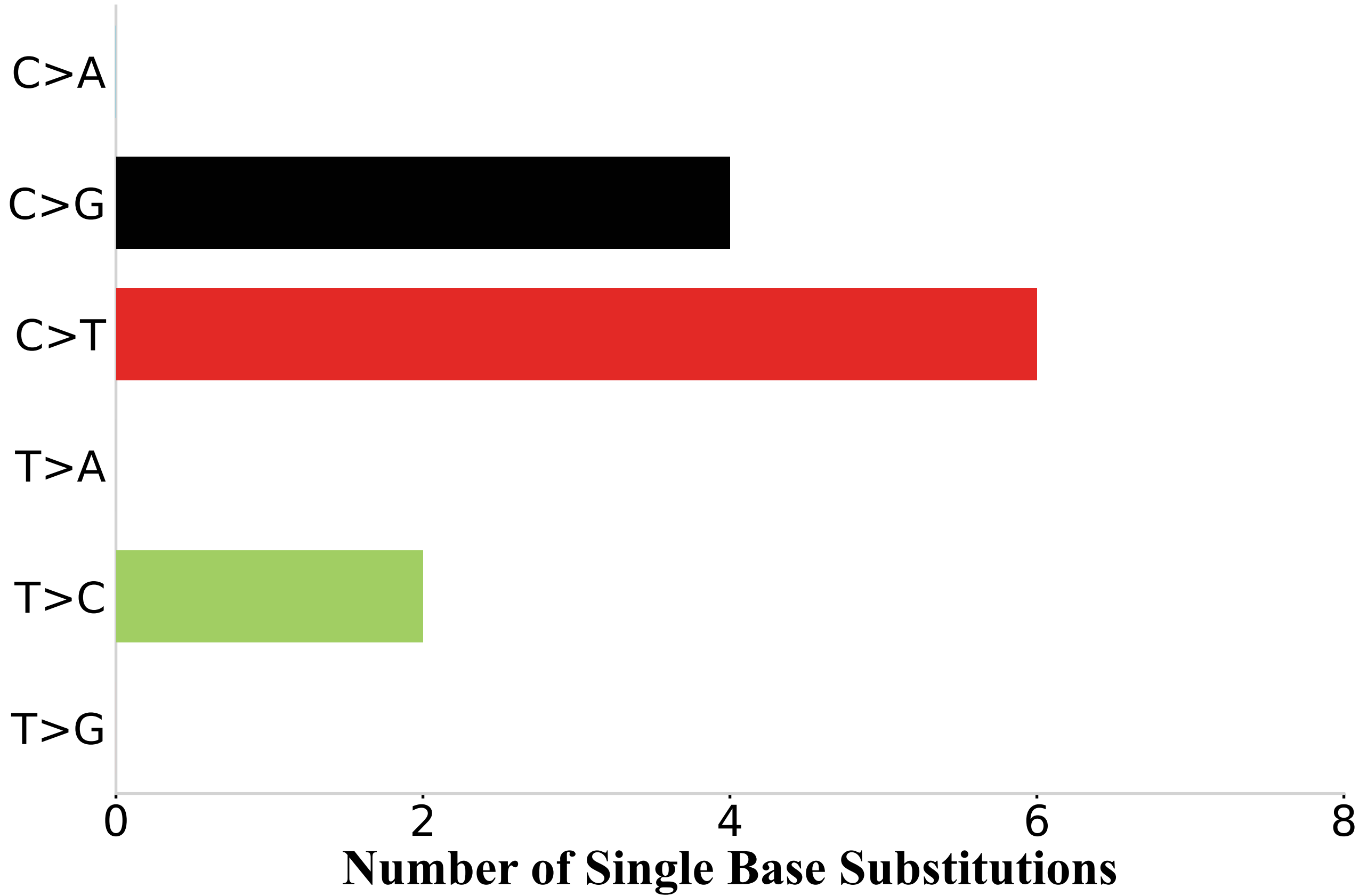


Number of Single Base Substitutions

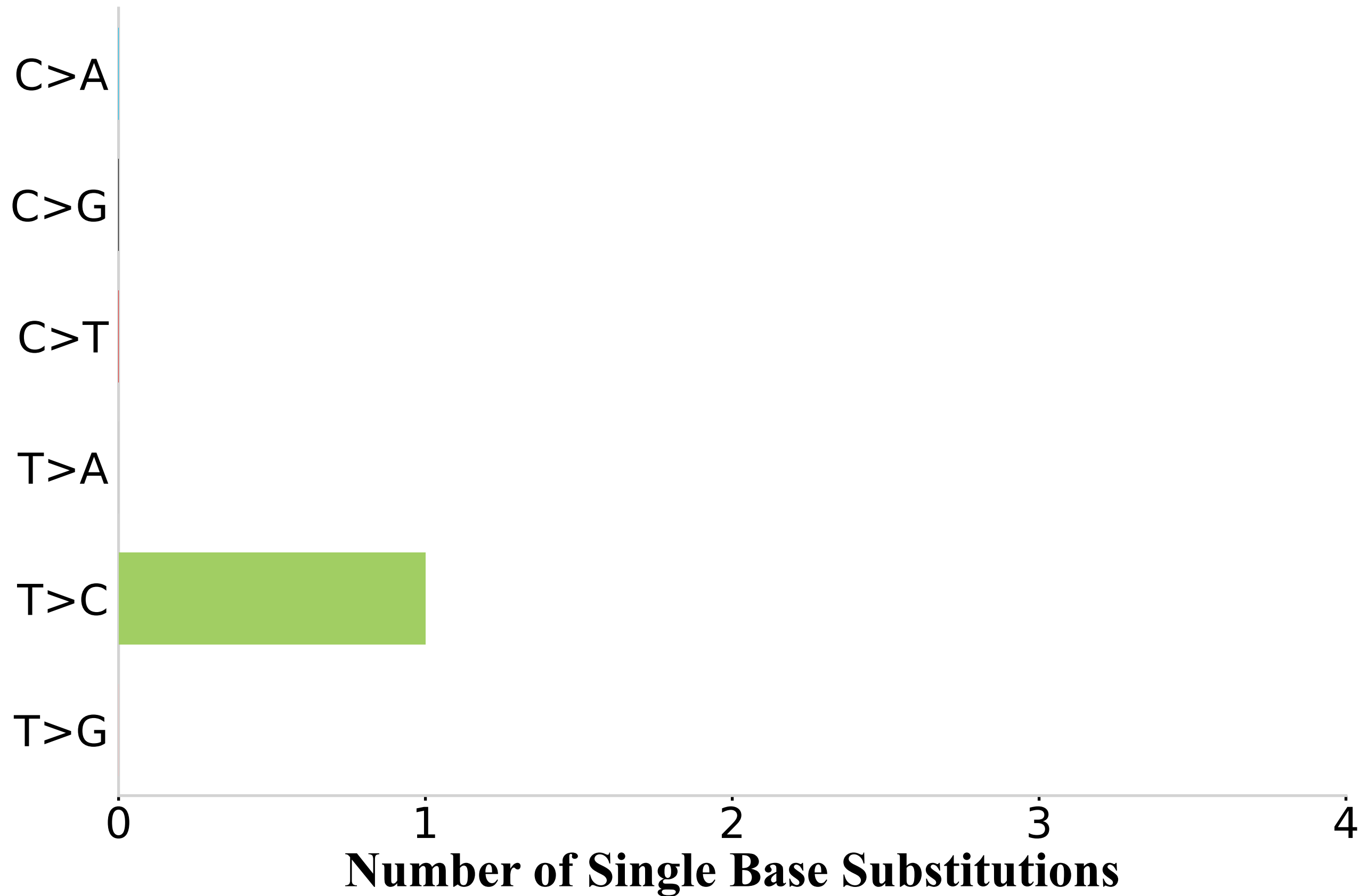
P-0014332-T01-IM6: 10 subs



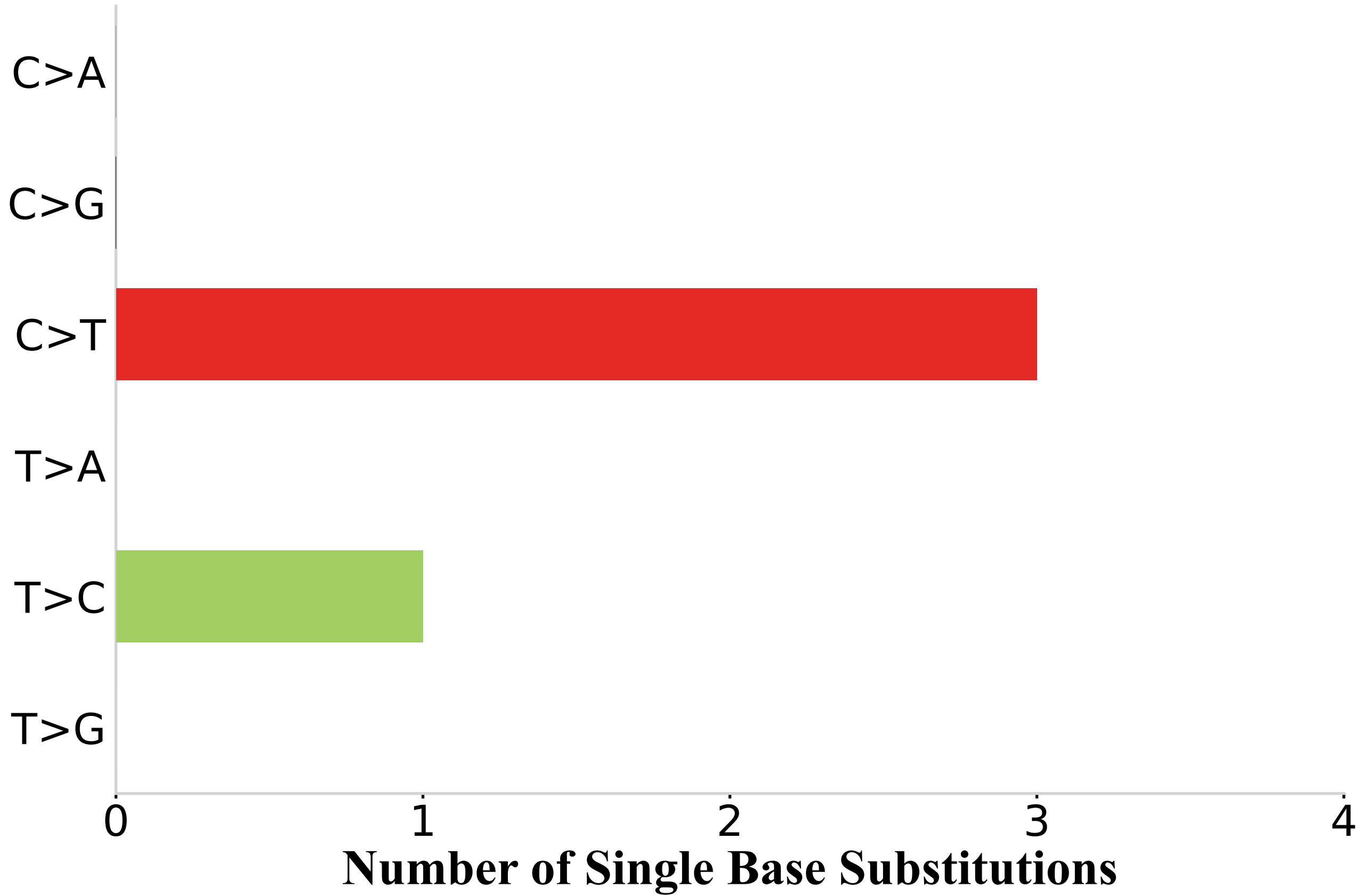
P-0015119-T01-IM6: 12 subs



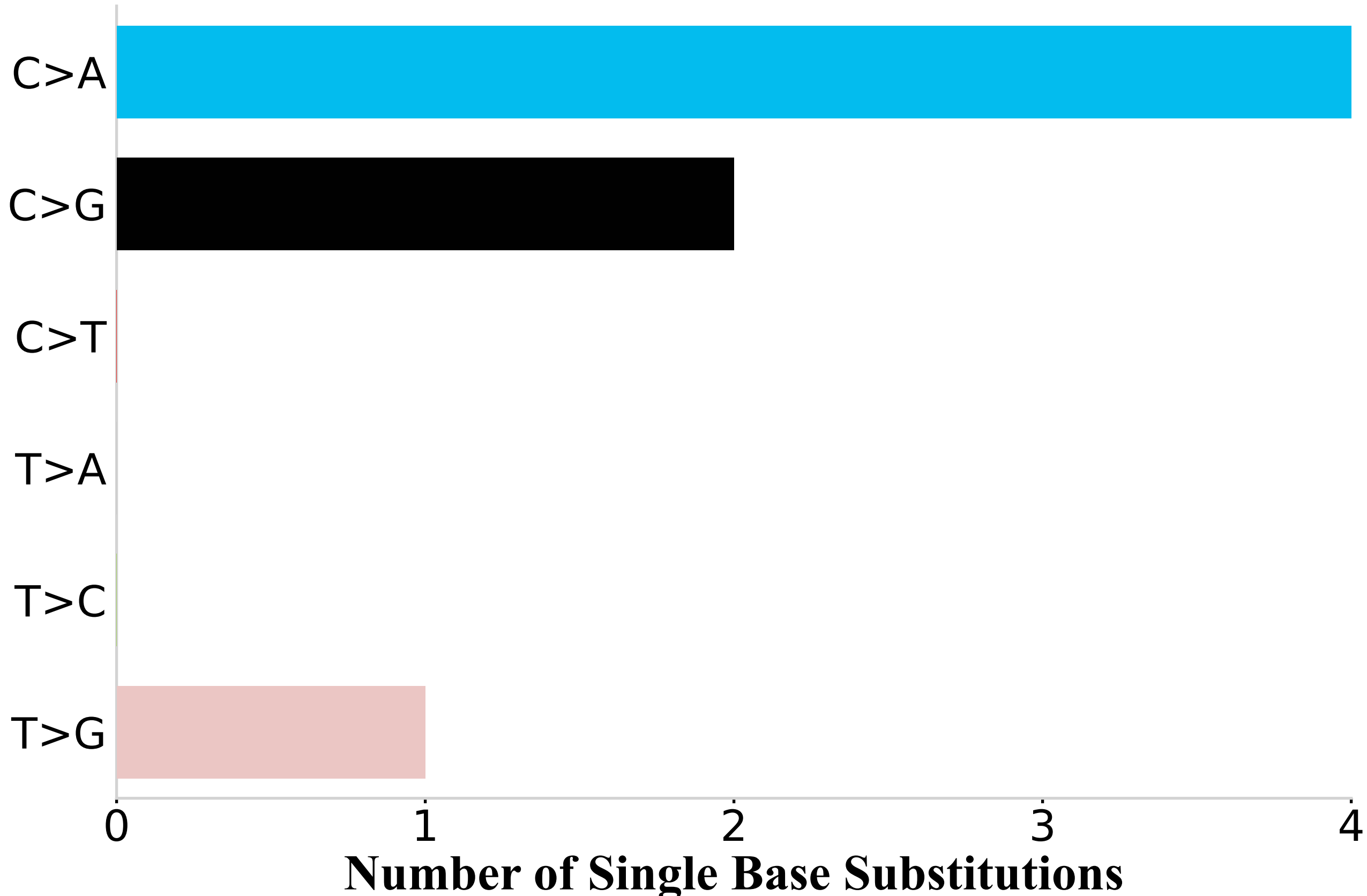
P-0015153-T01-IM6: 1 subs



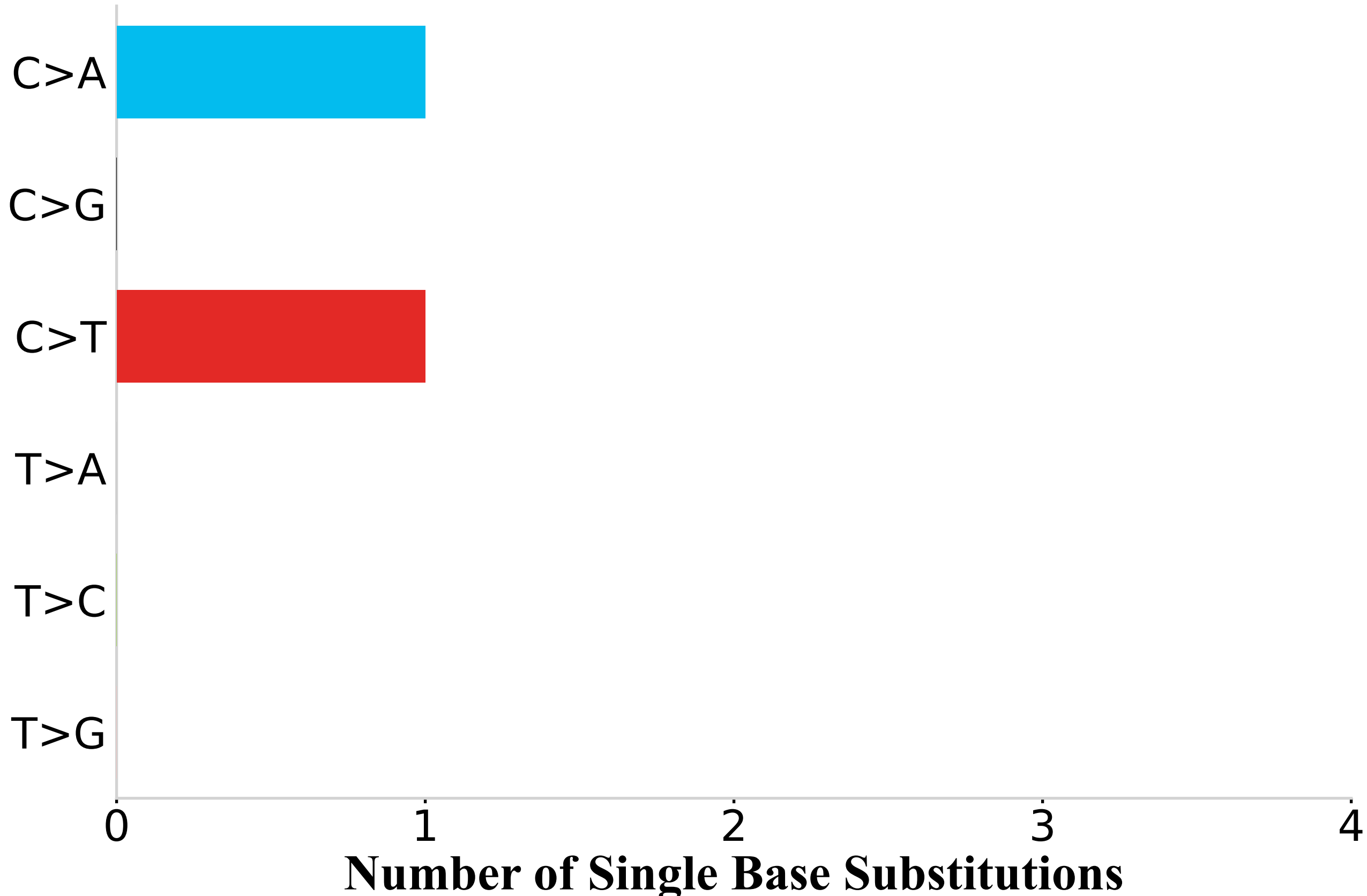
P-0015796-T01-IM6: 4 subs



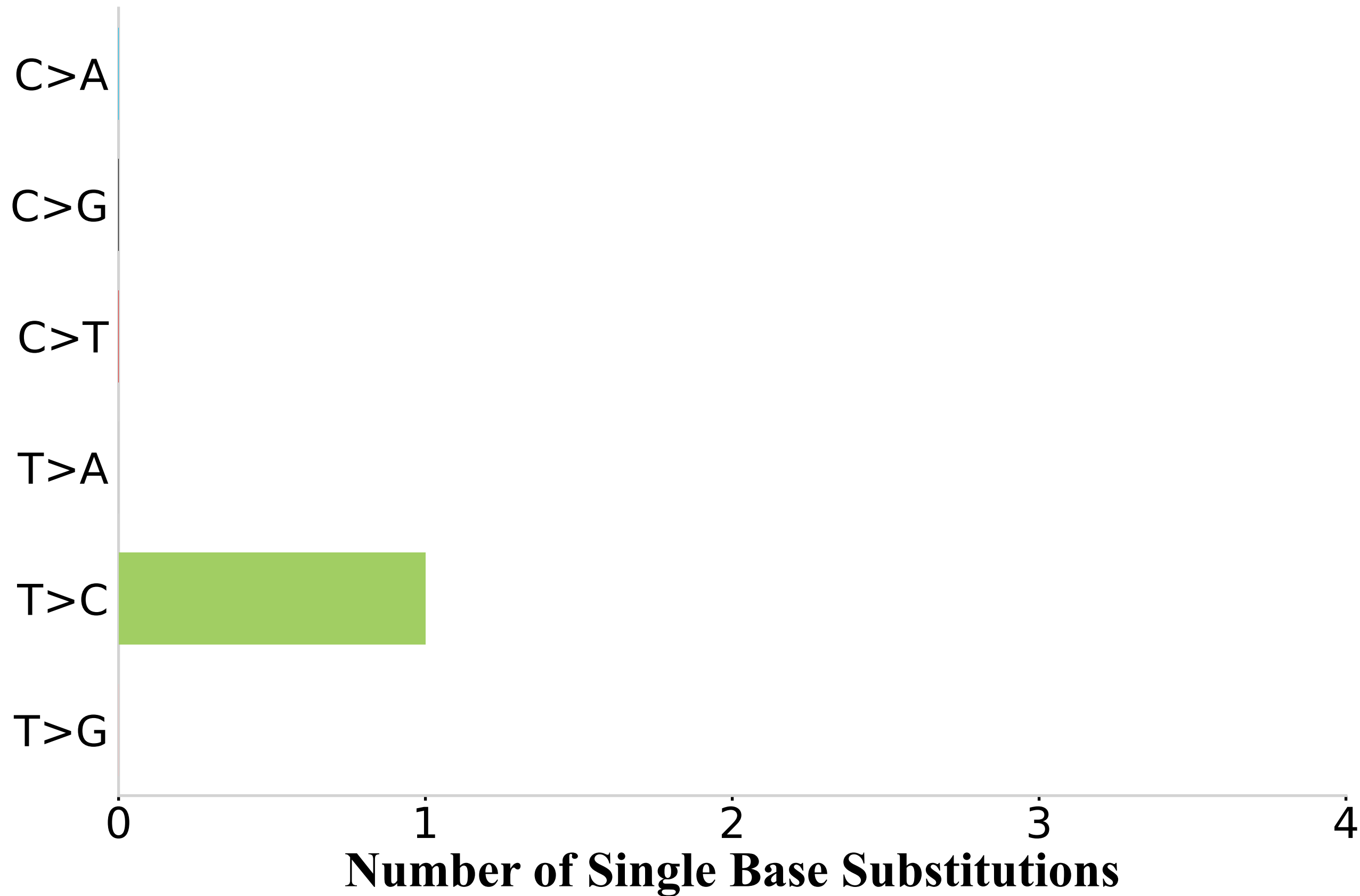
P-0015979-T01-IM6: 7 subs



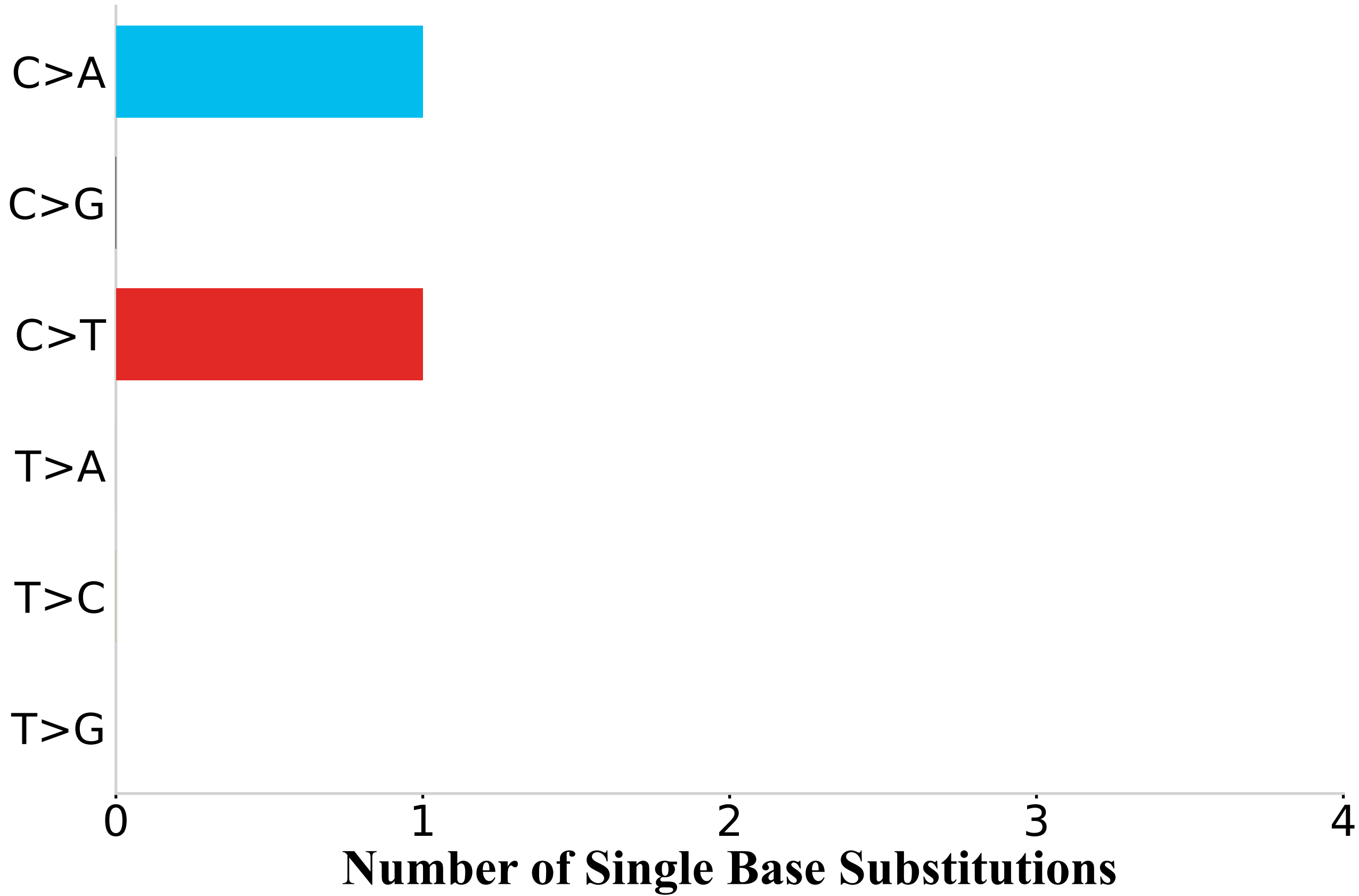
P-0016568-T01-IM6: 2 subs



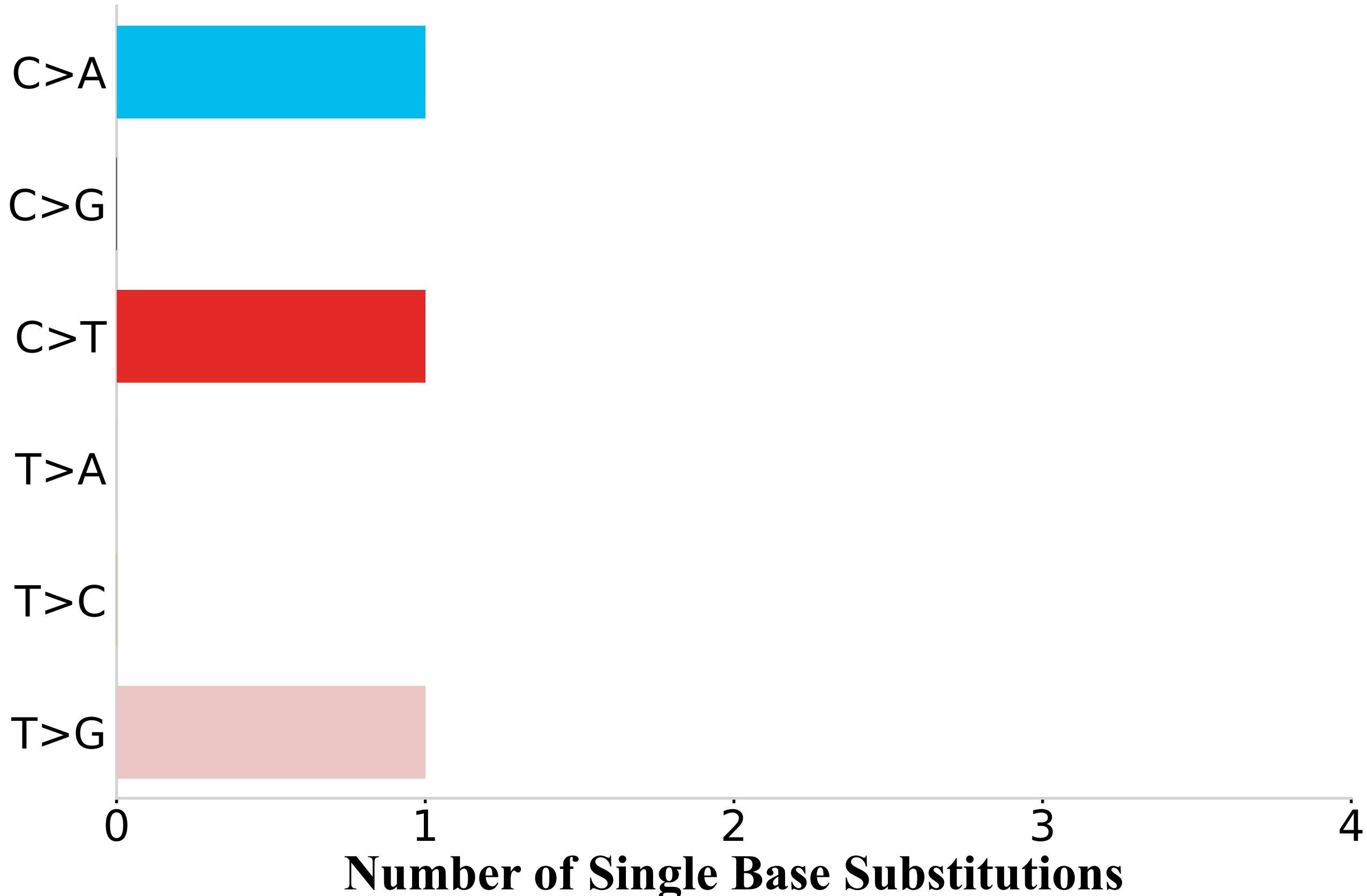
P-0016706-T01-IM6: 1 subs



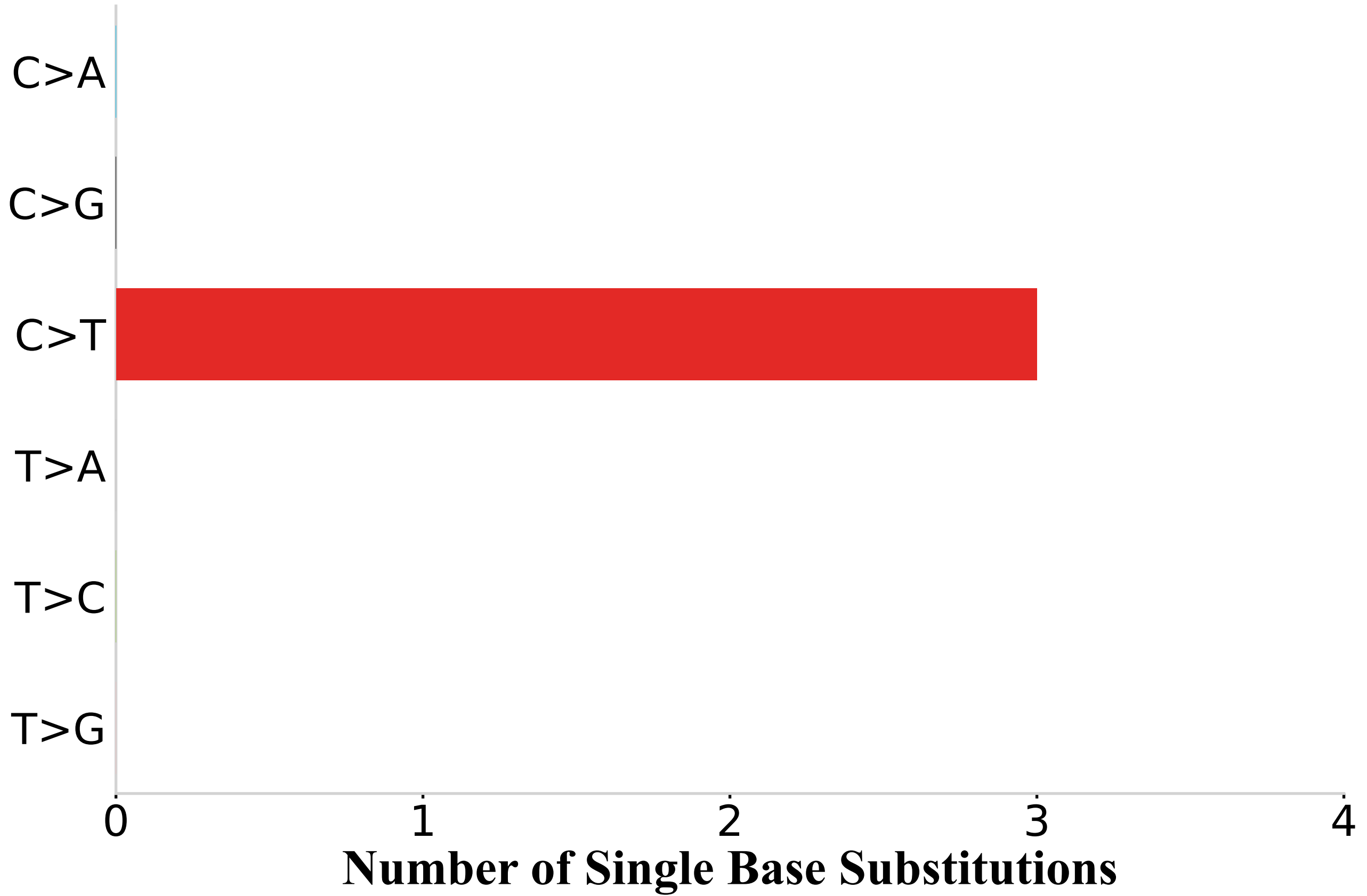
P-0017104-T01-IM6: 2 subs



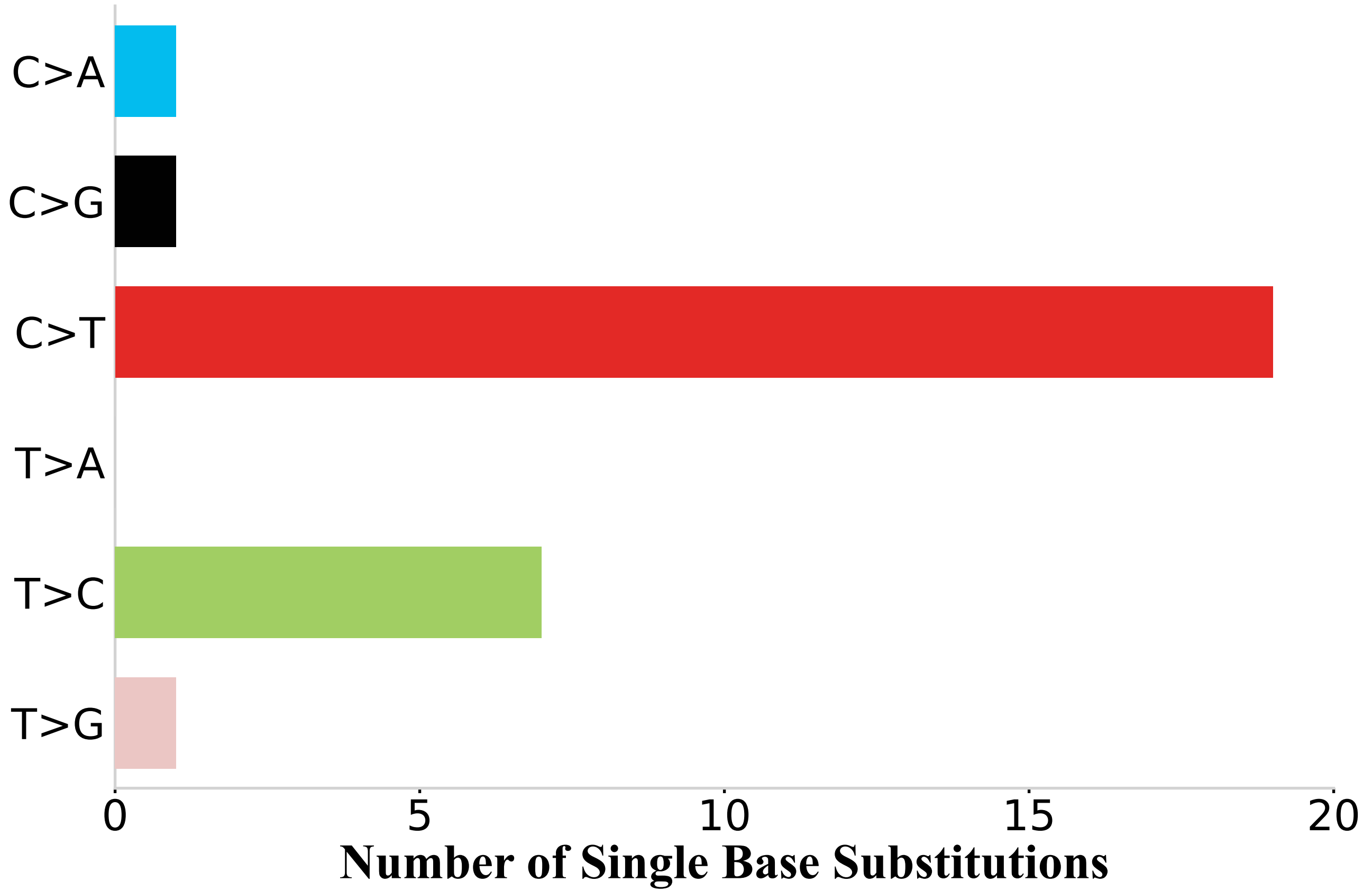
P-0017251-T01-IM6: 3 subs



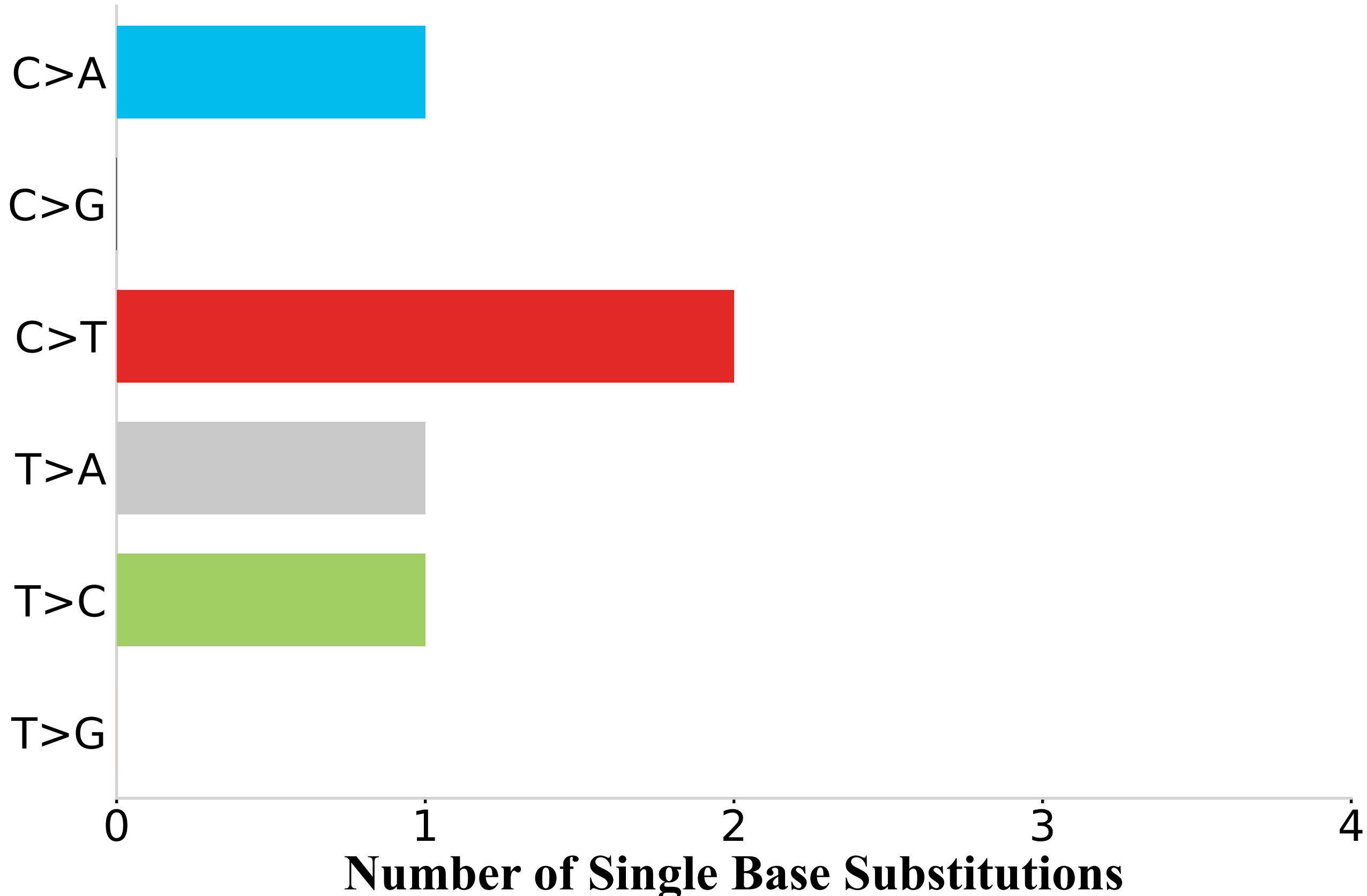
P-0017669-T01-IM5: 3 subs



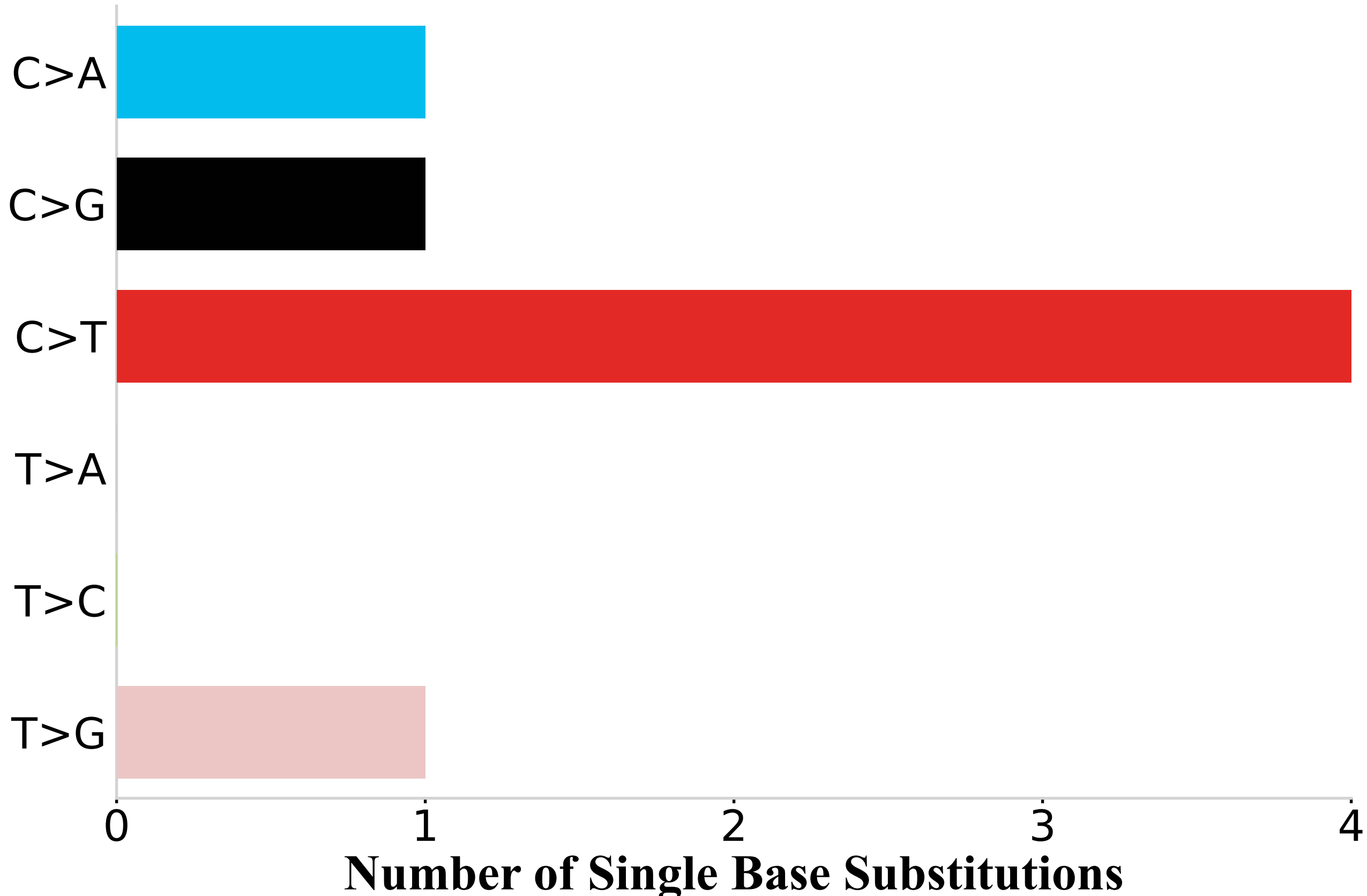
P-0017786-T01-IM6: 29 subs



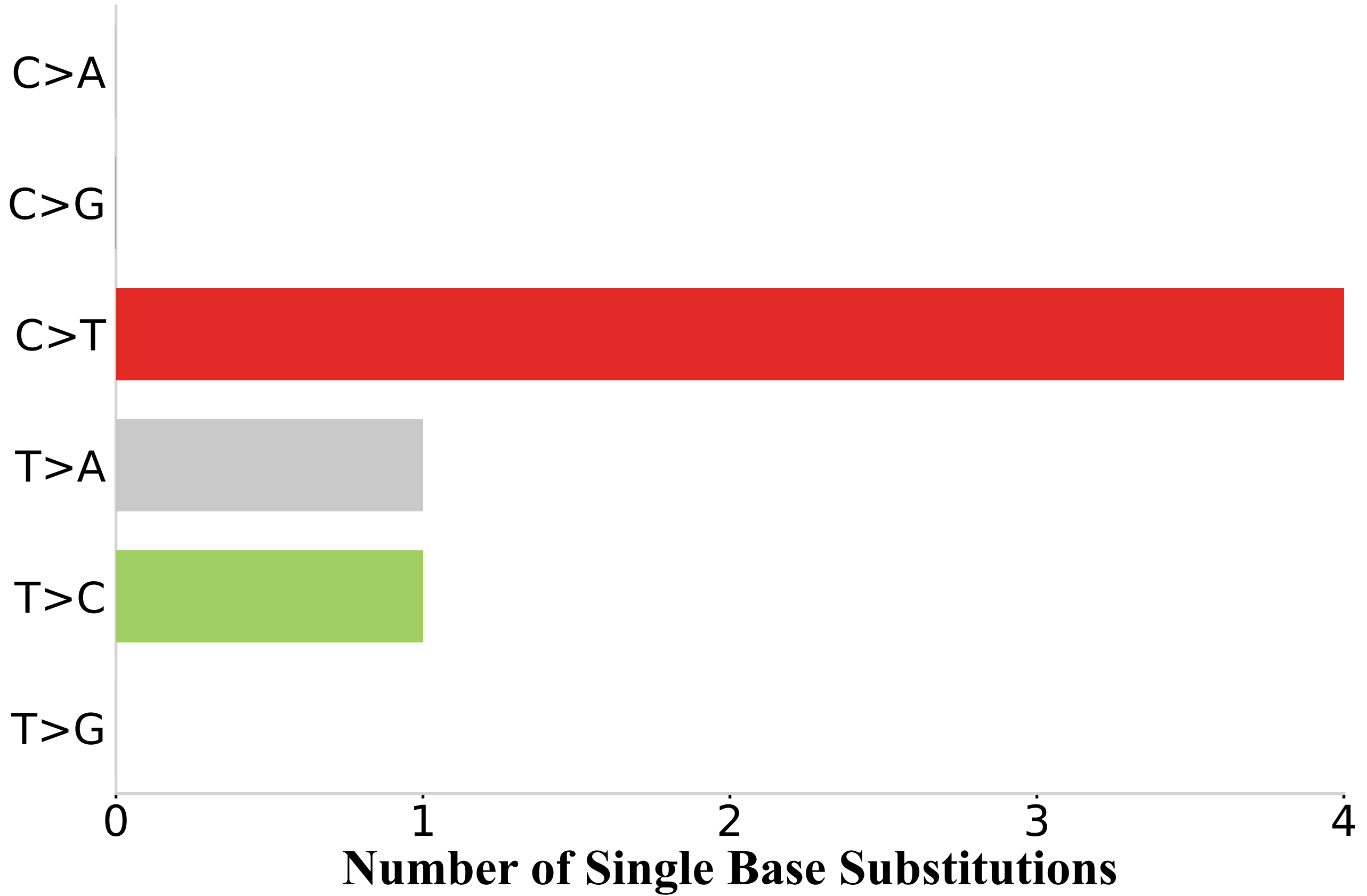
P-0017902-T01-IM6: 5 subs



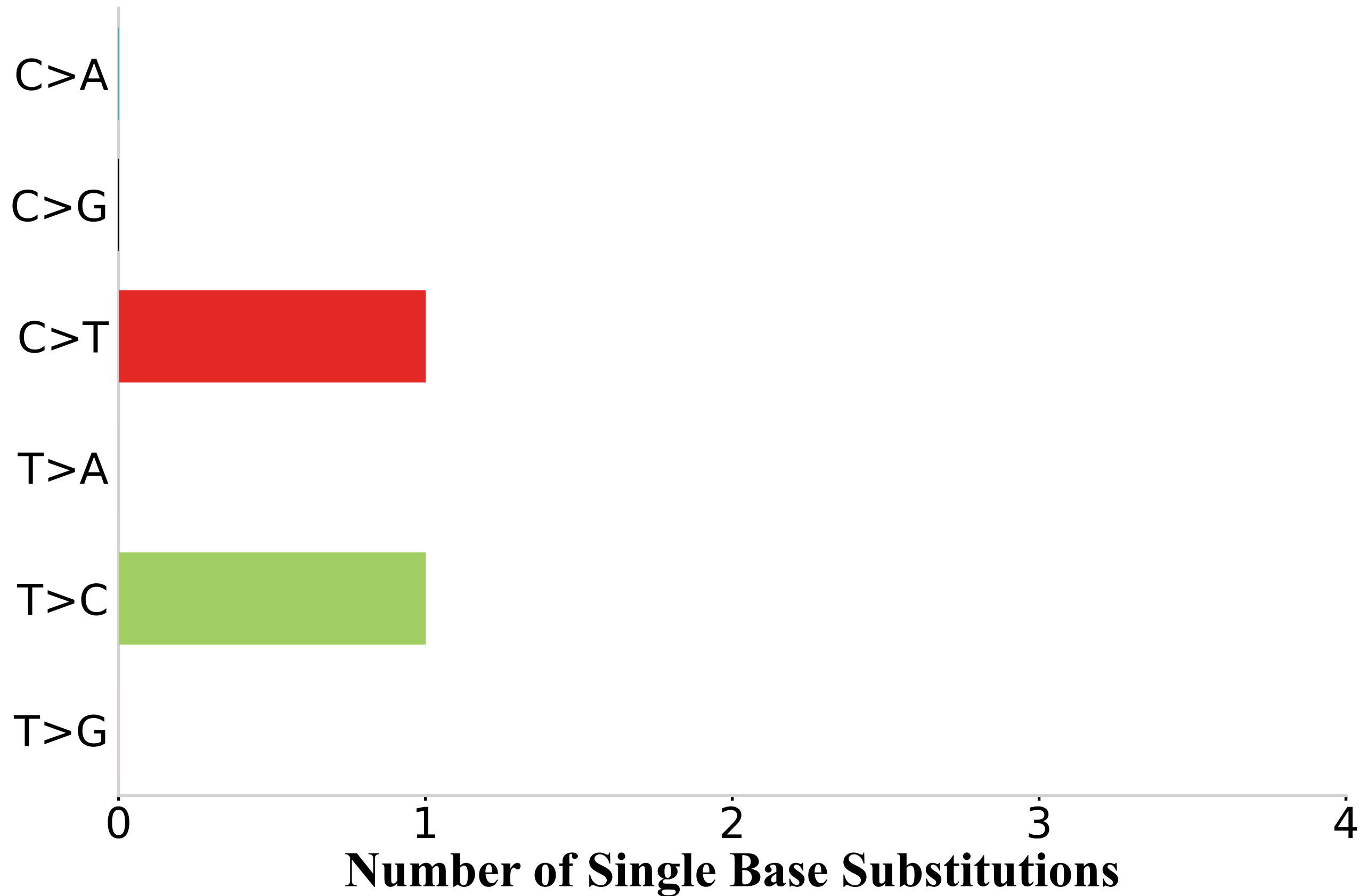
P-0018180-T01-IM6: 7 subs



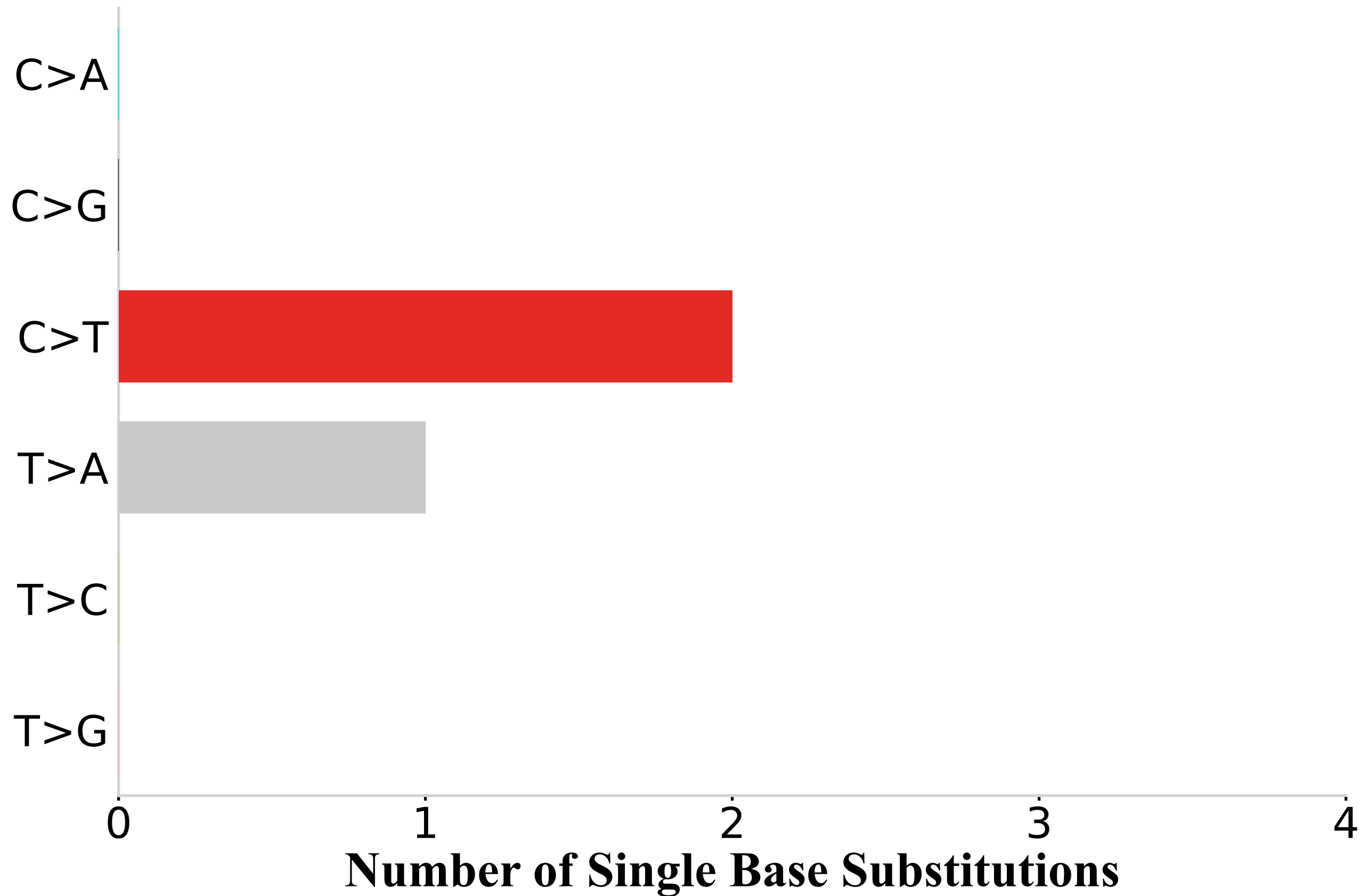
P-0018289-T01-IM6: 6 subs



P-0018667-T01-IM6: 2 subs



P-0018705-T01-IM6: 3 subs



P-0019203-T01-IM6: 0 subs

C>A

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C>T

T>A

T>C

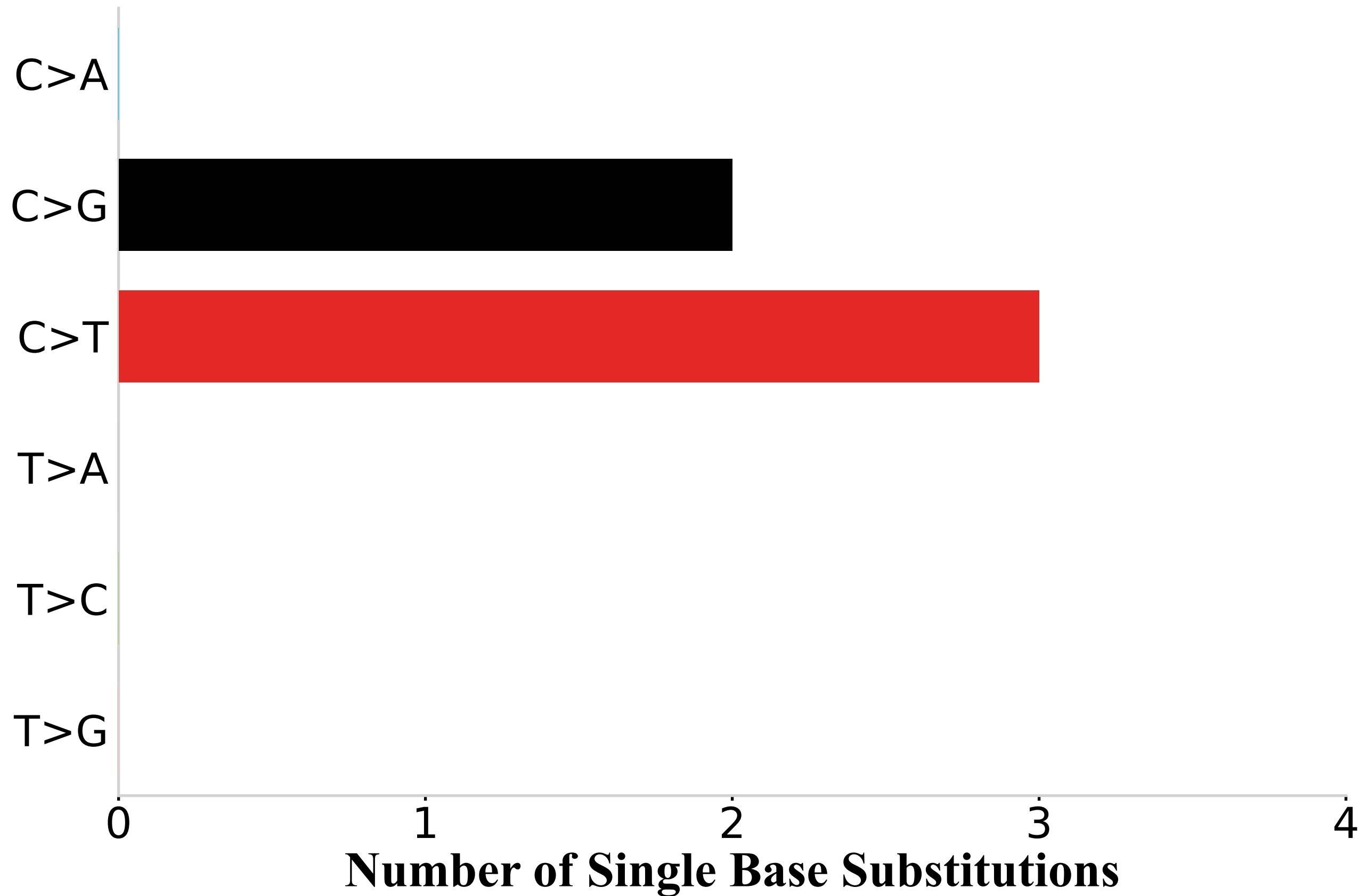
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Number of Single Base Substitutions



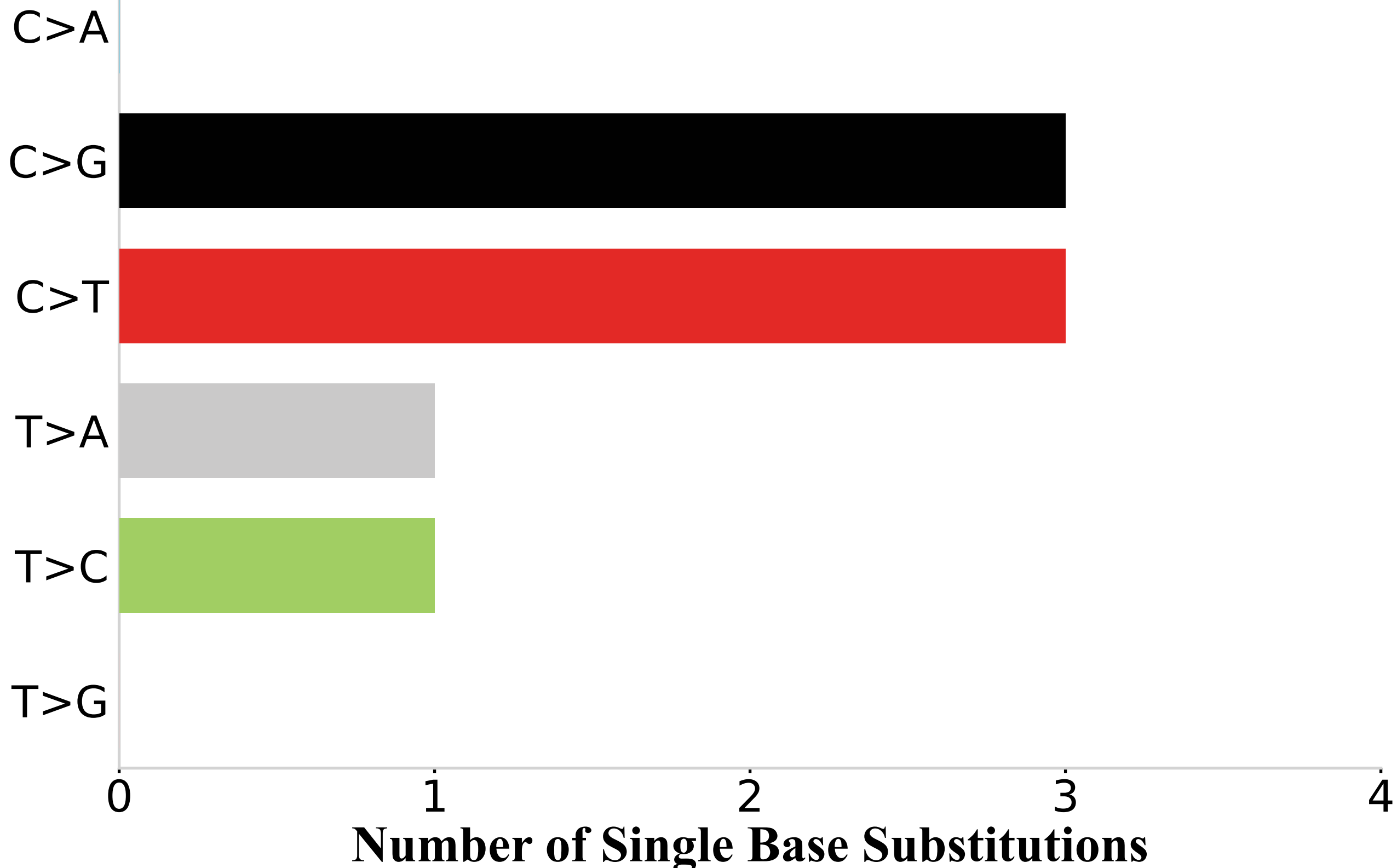
P-0019680-T01-IM6: 5 subs



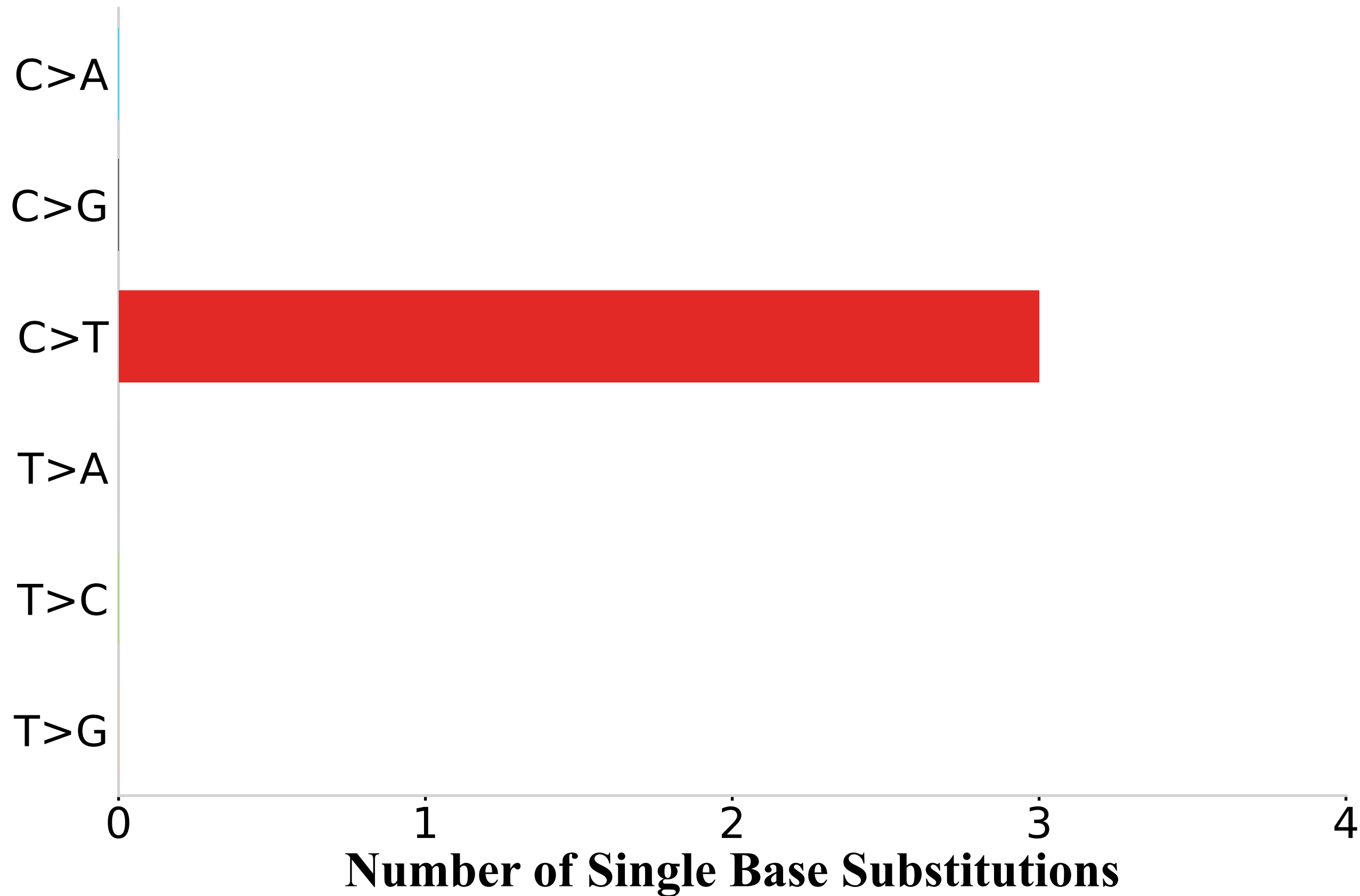
P-0020335-T01-IM6: 2 subs



P-0020459-T01-IM6: 8 subs



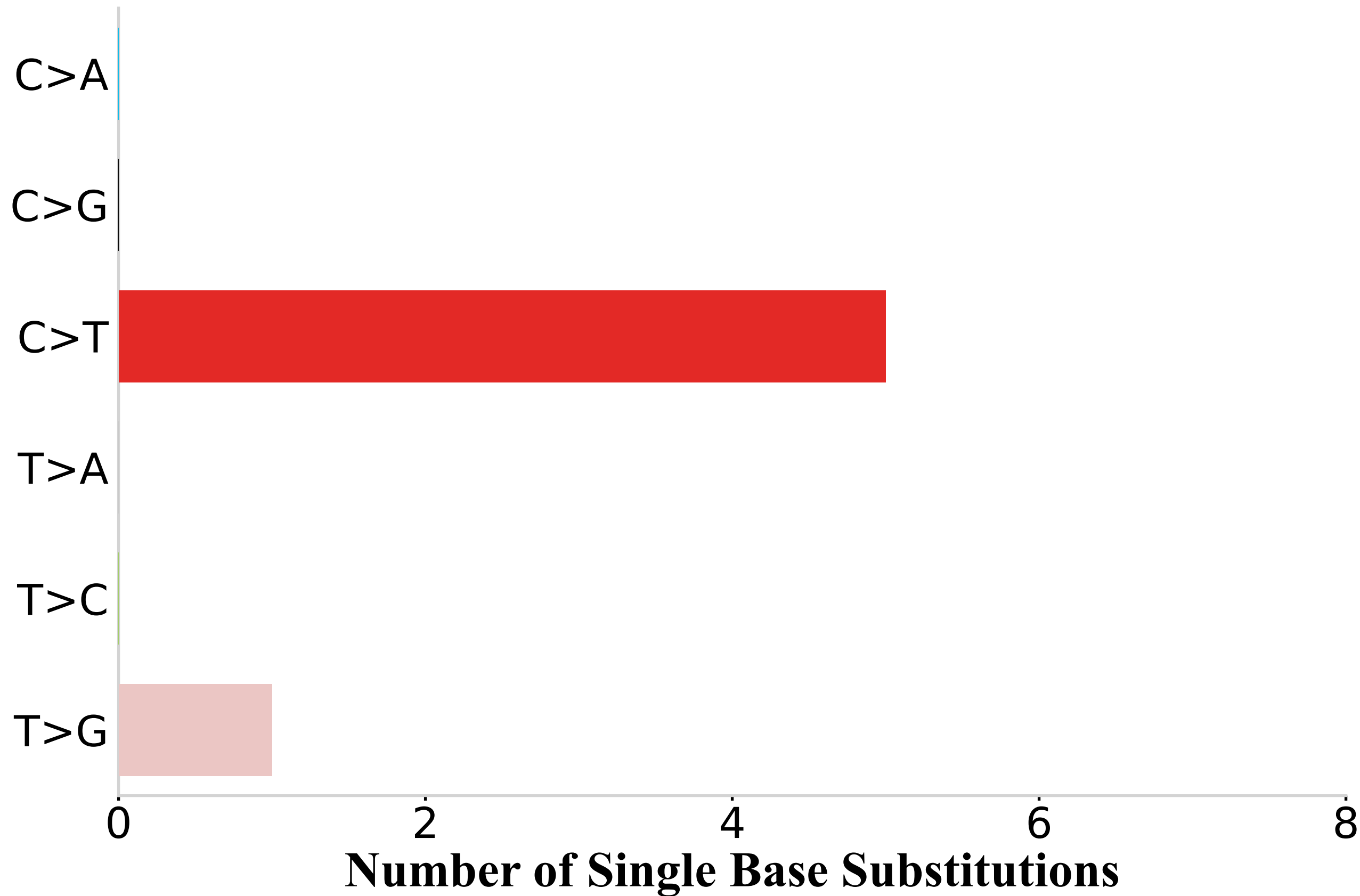
P-0020608-T01-IM6: 3 subs



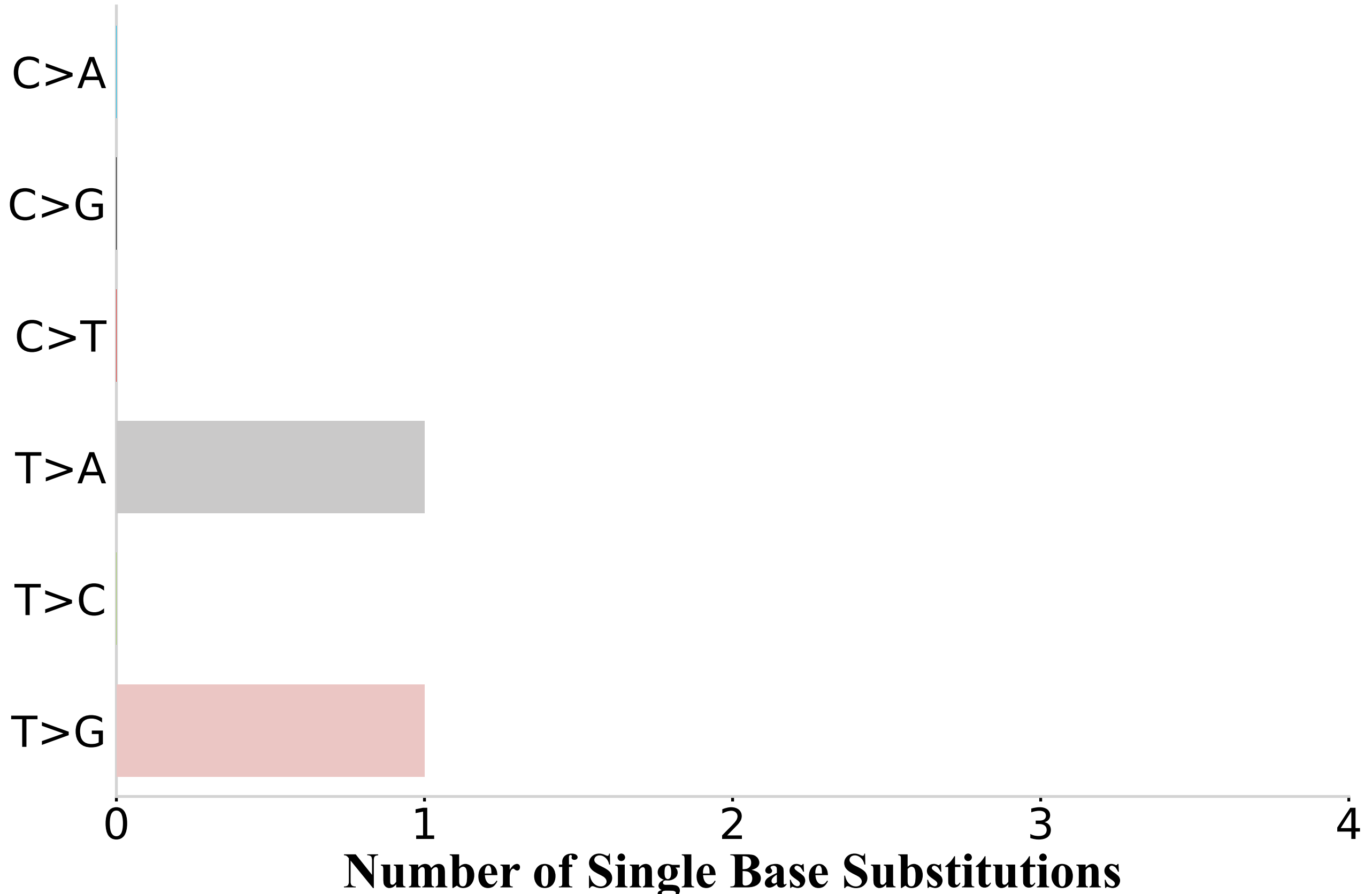
P-0020683-T01-IM6: 1 subs



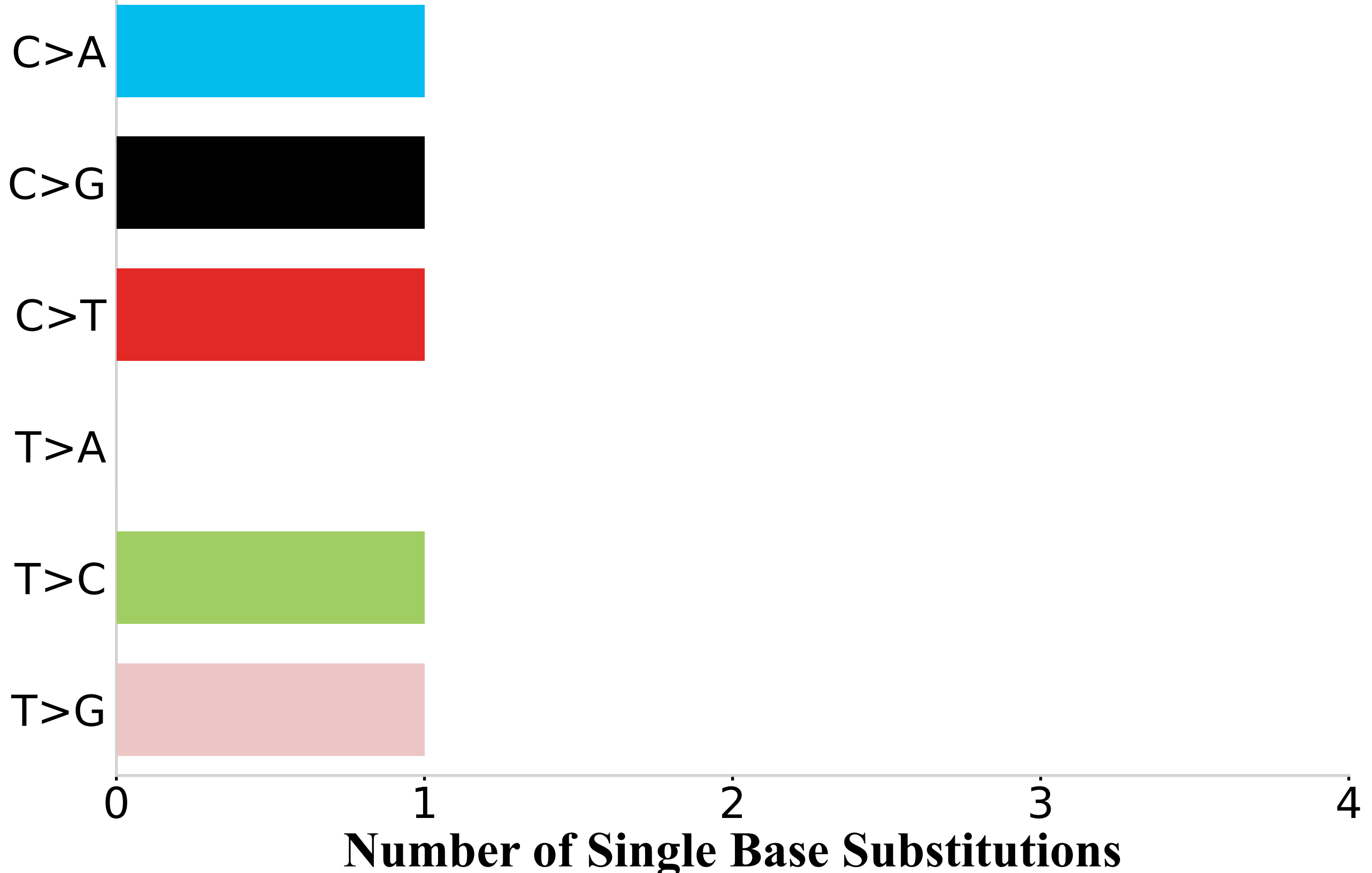
P-0020821-T01-IM6: 6 subs



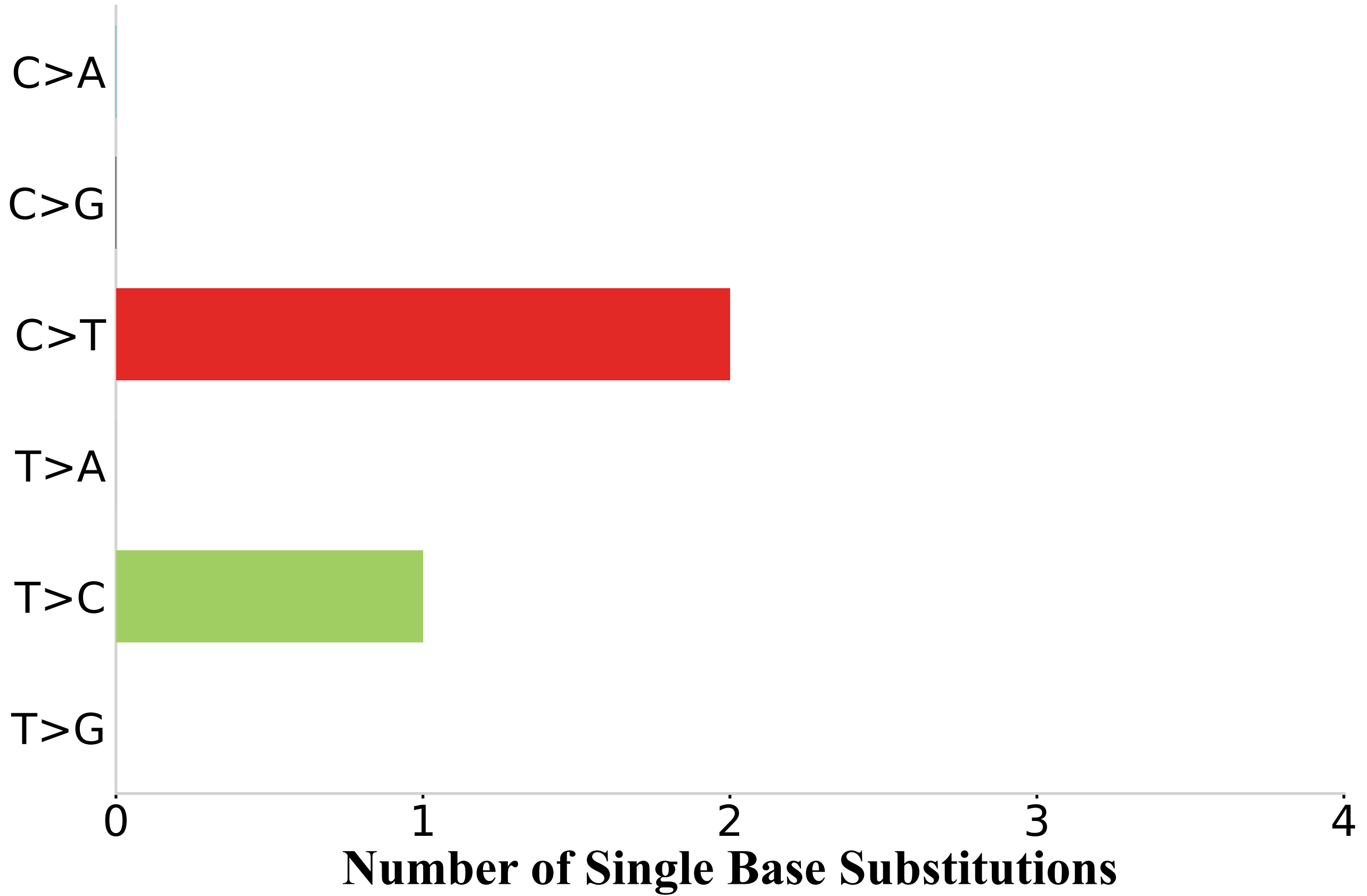
P-0021443-T01-IM6: 2 subs



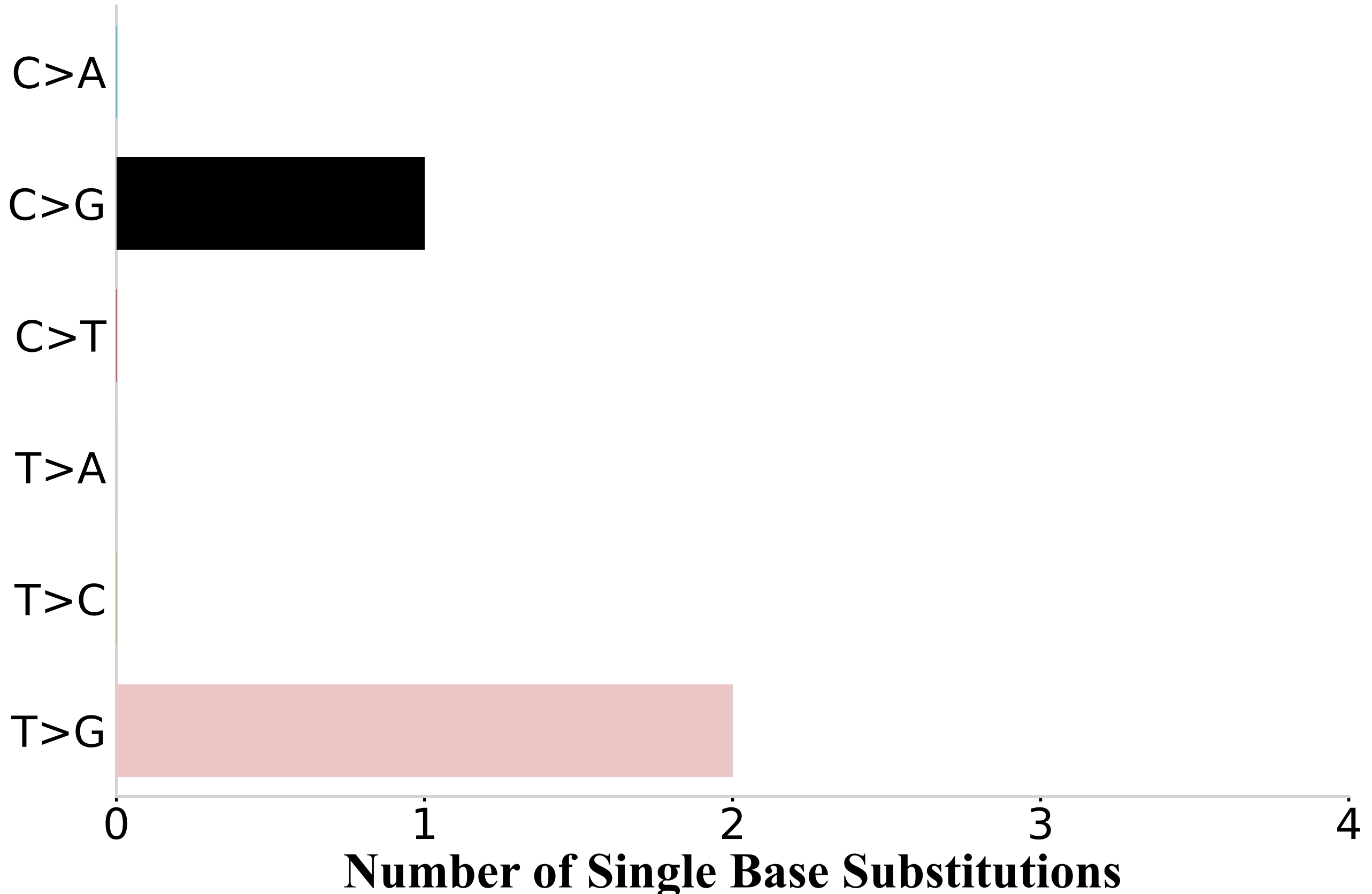
P-0022347-T01-IM6: 5 subs



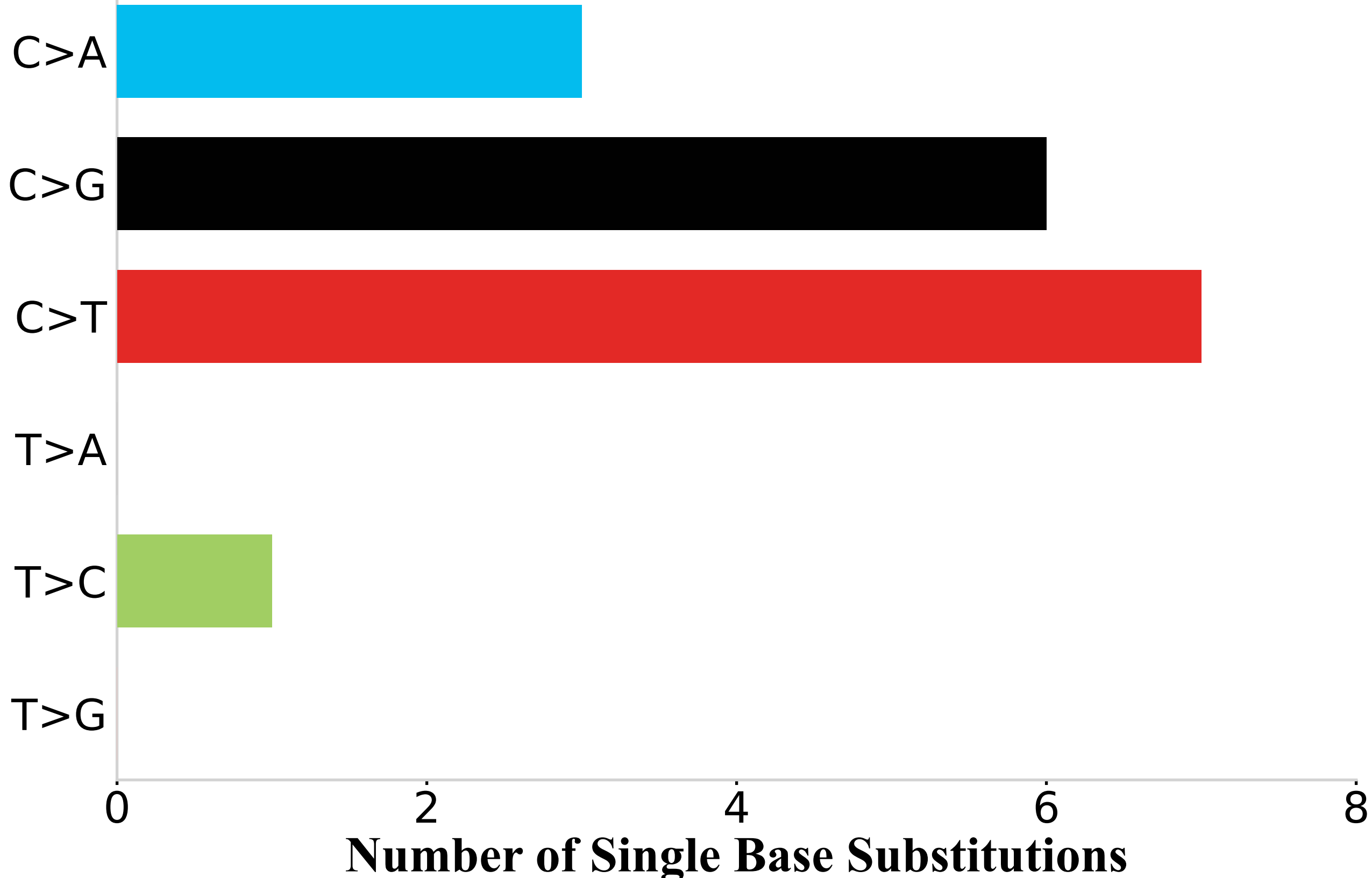
P-0022388-T01-IM6: 3 subs



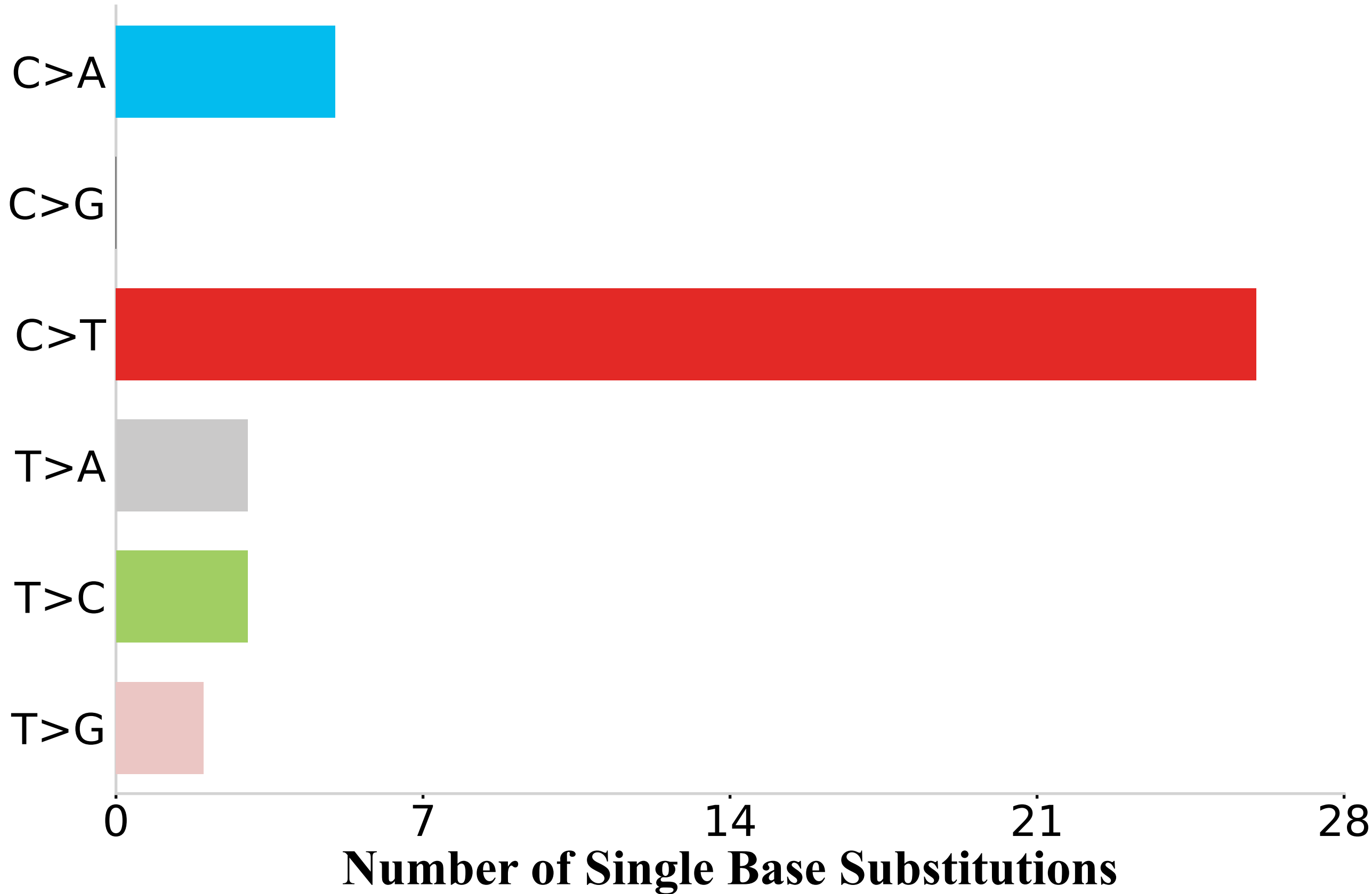
P-0022683-T01-IM6: 3 subs



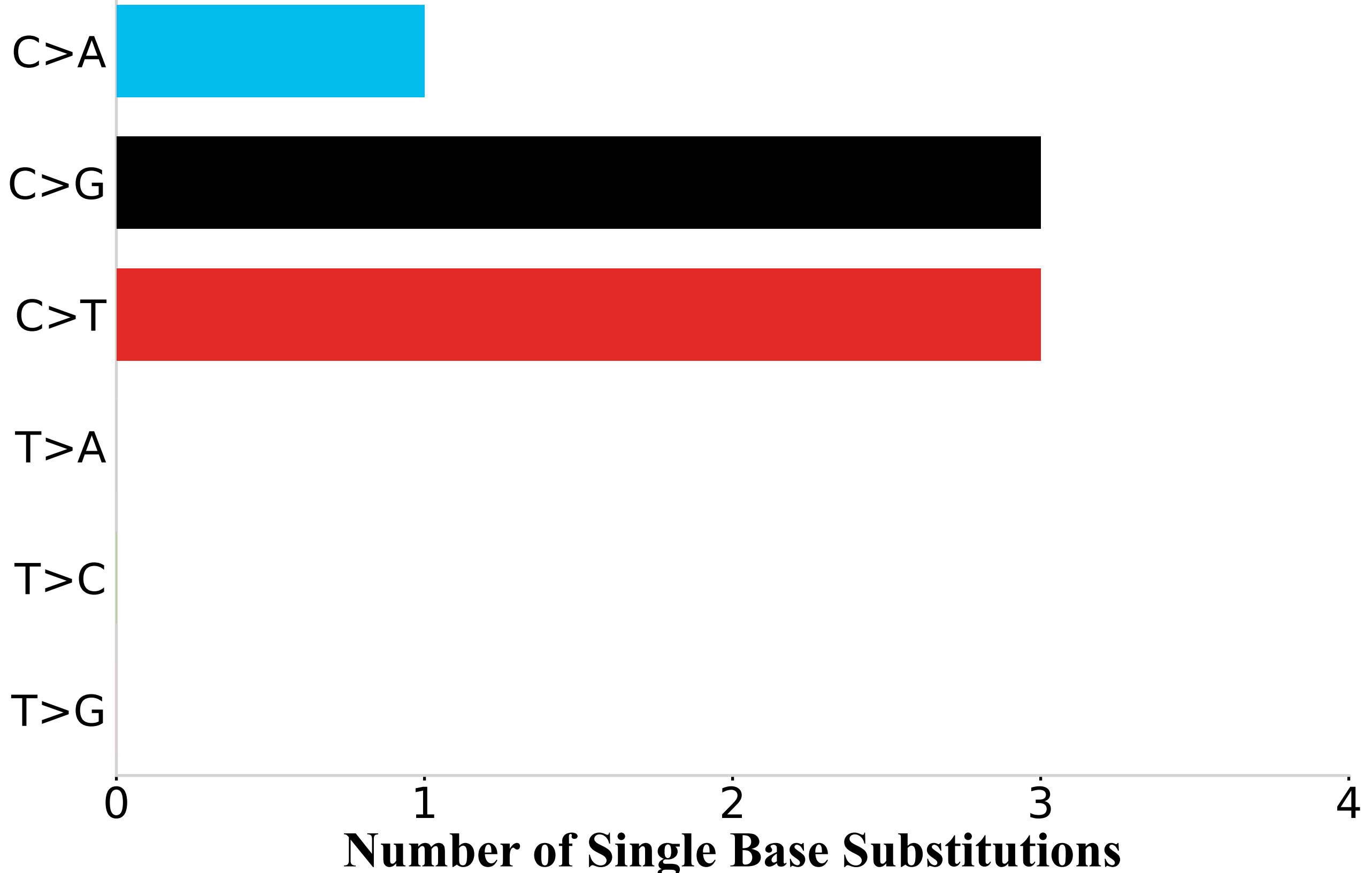
P-0022735-T01-IM6: 17 subs



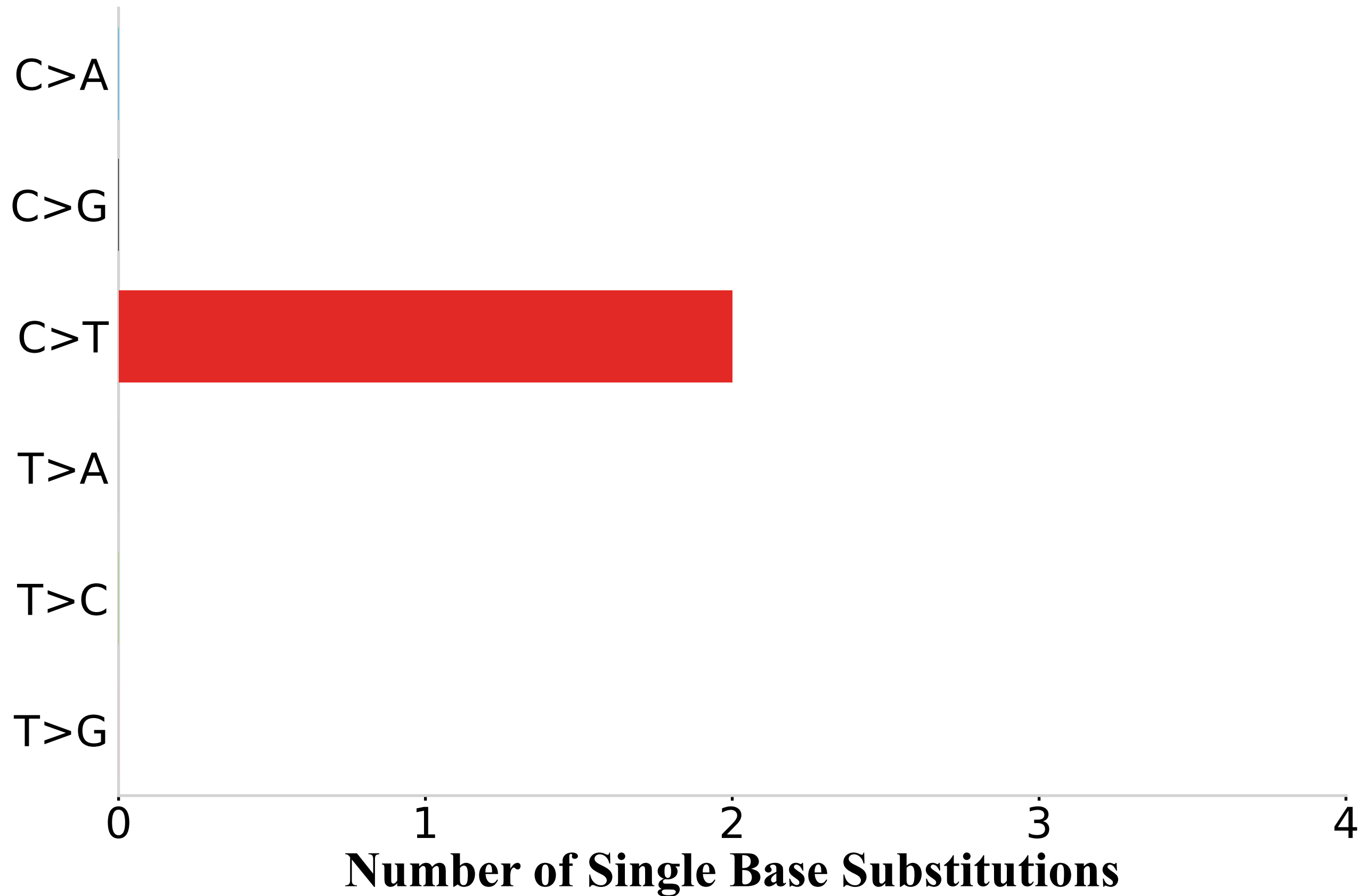
P-0022803-T01-IM6: 39 subs



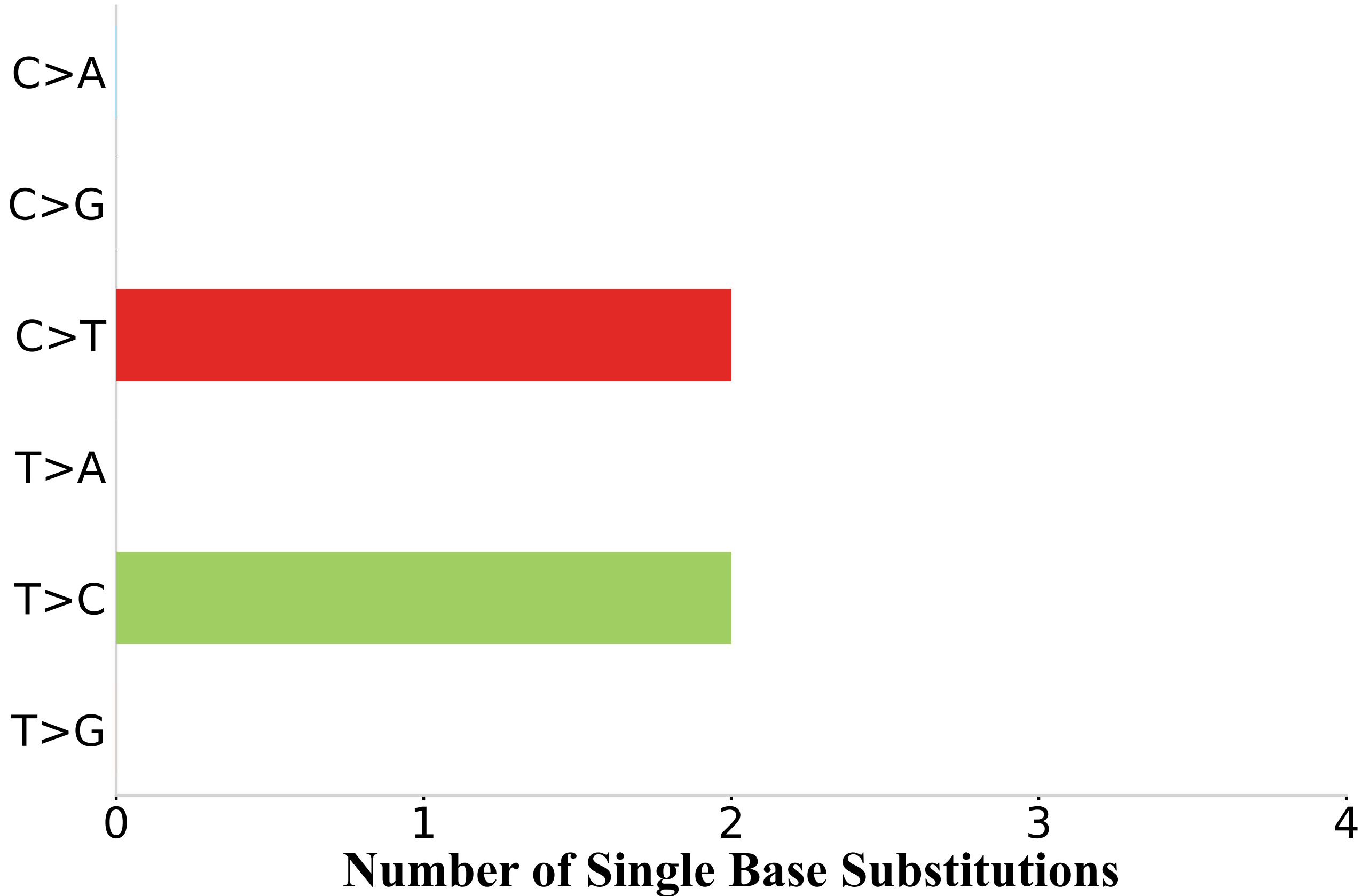
P-0023198-T01-IM6: 7 subs



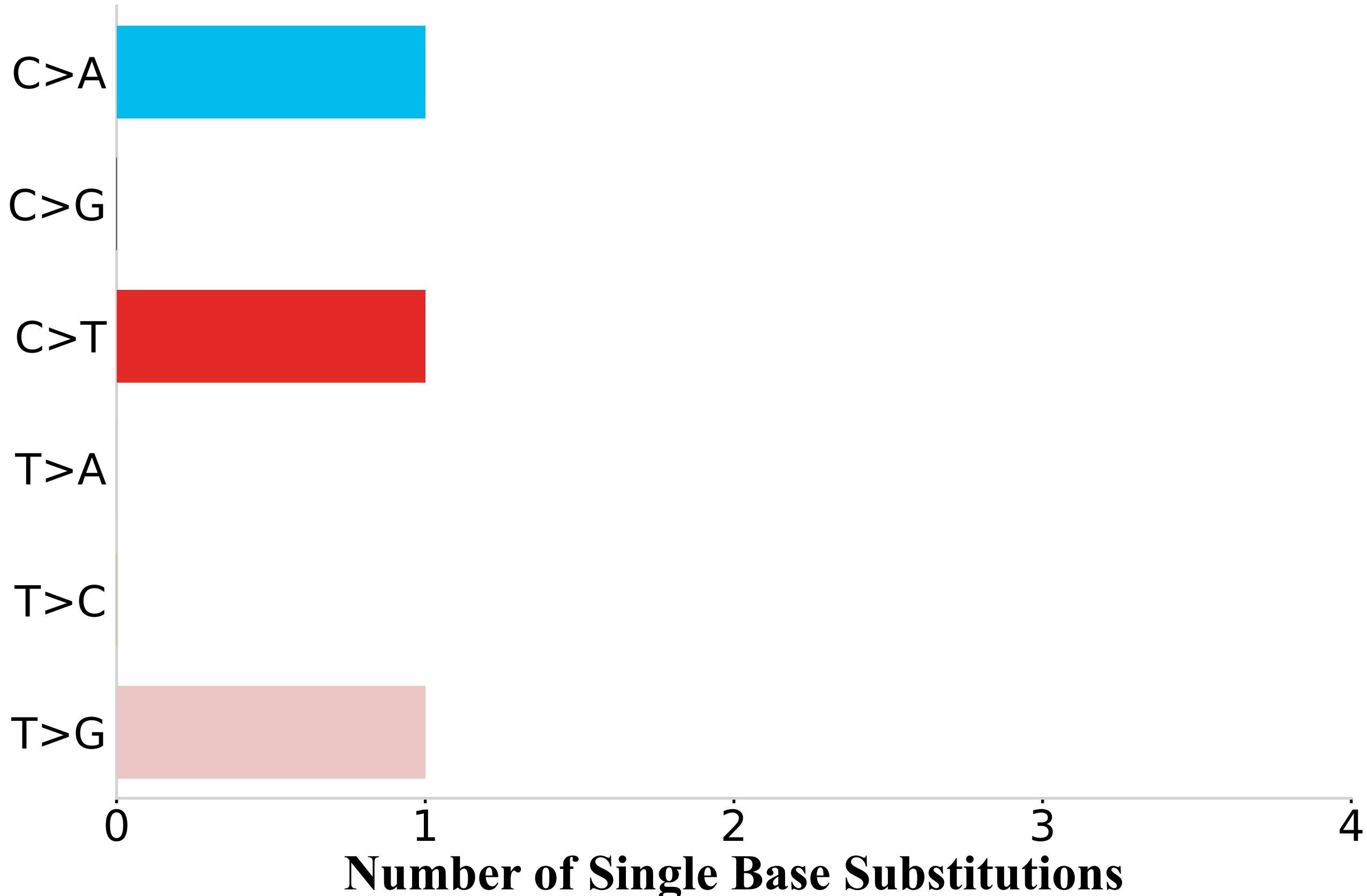
P-0023317-T01-IM6: 2 subs



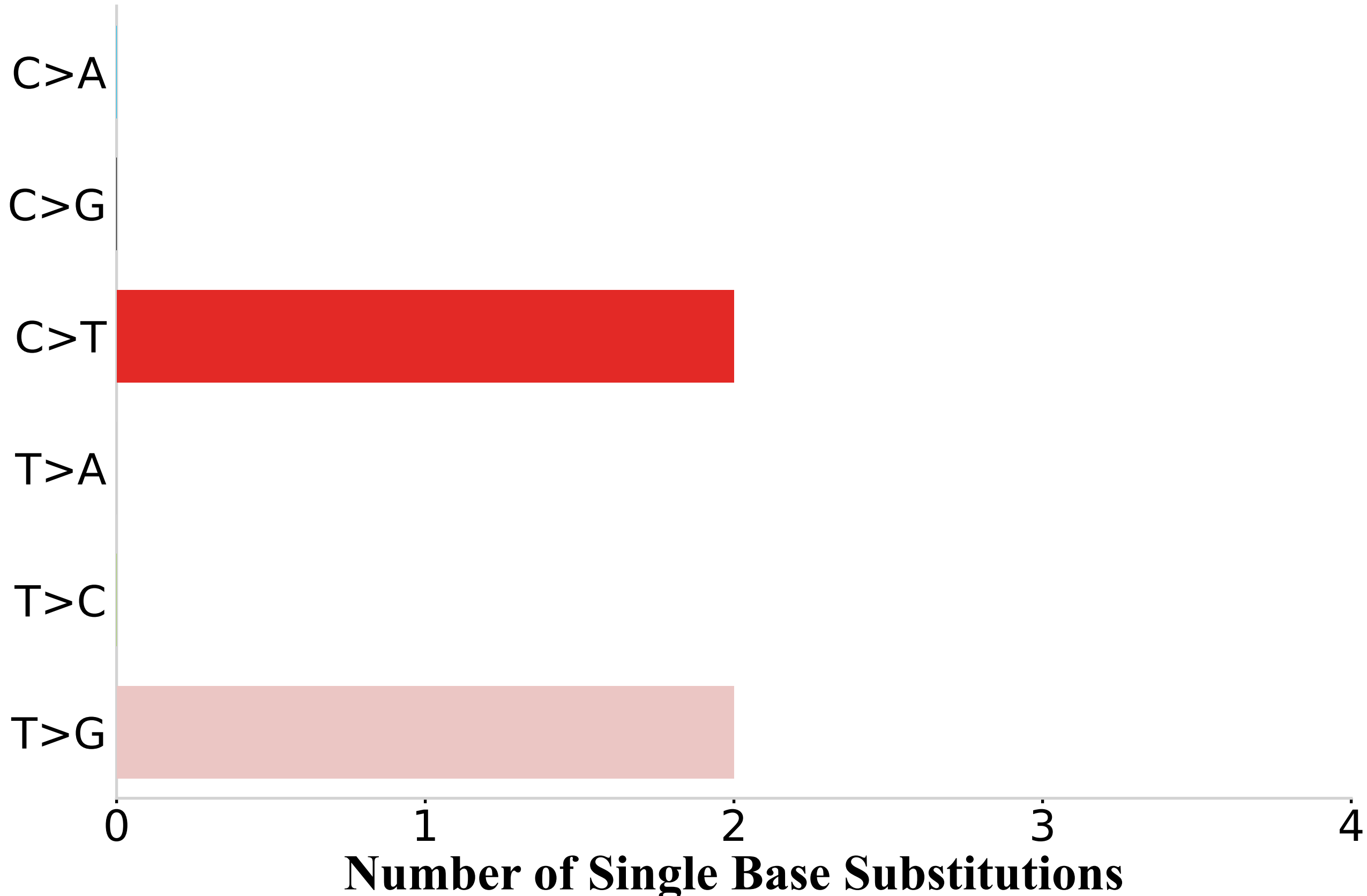
P-0023369-T01-IM6: 4 subs



P-0024531-T01-IM6: 3 subs



P-0024788-T01-IM6: 4 subs



P-0024897-T01-IM6: 2 subs

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Number of Single Base Substitutions



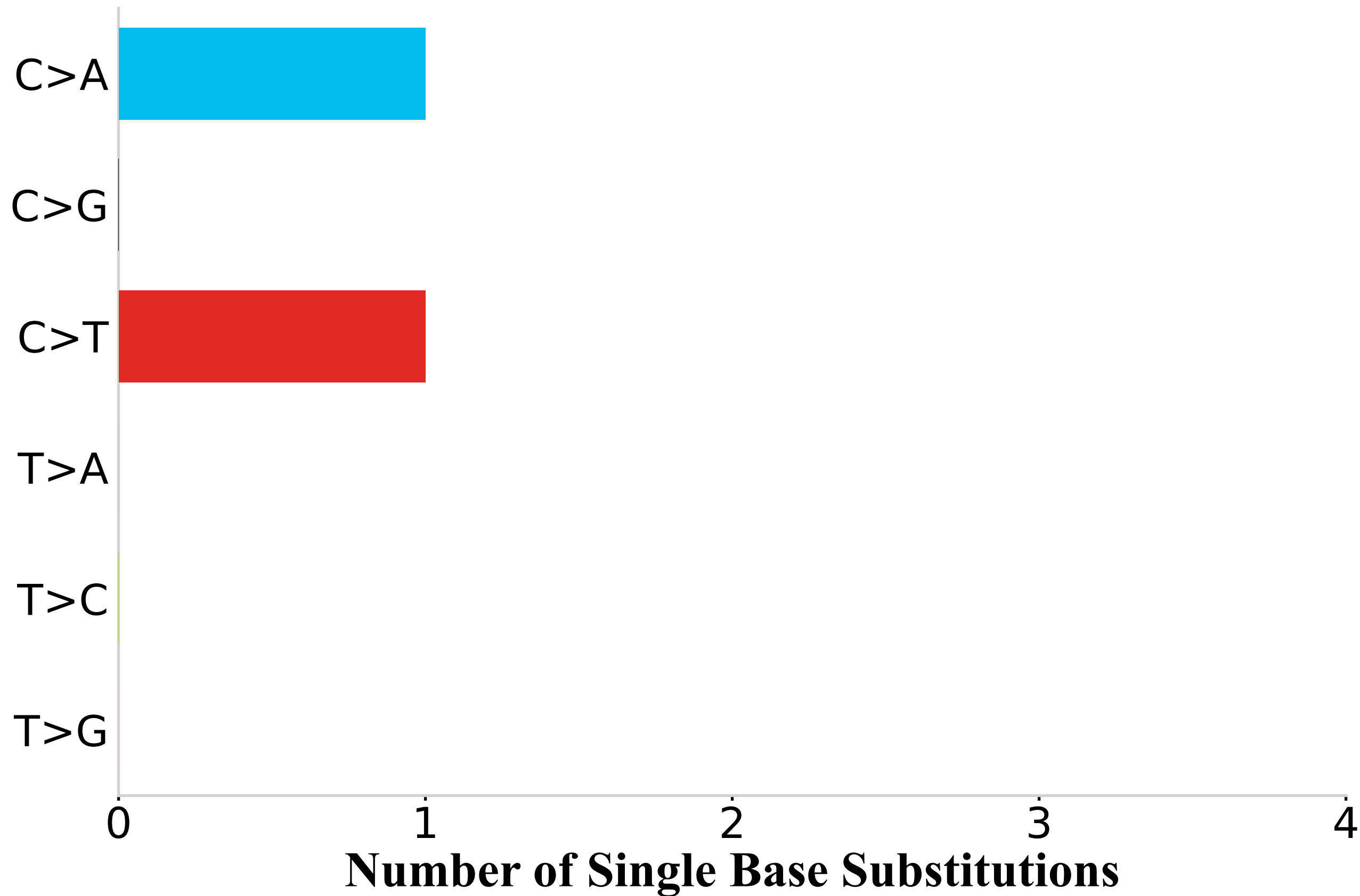
P-0025013-T01-IM6: 4 subs



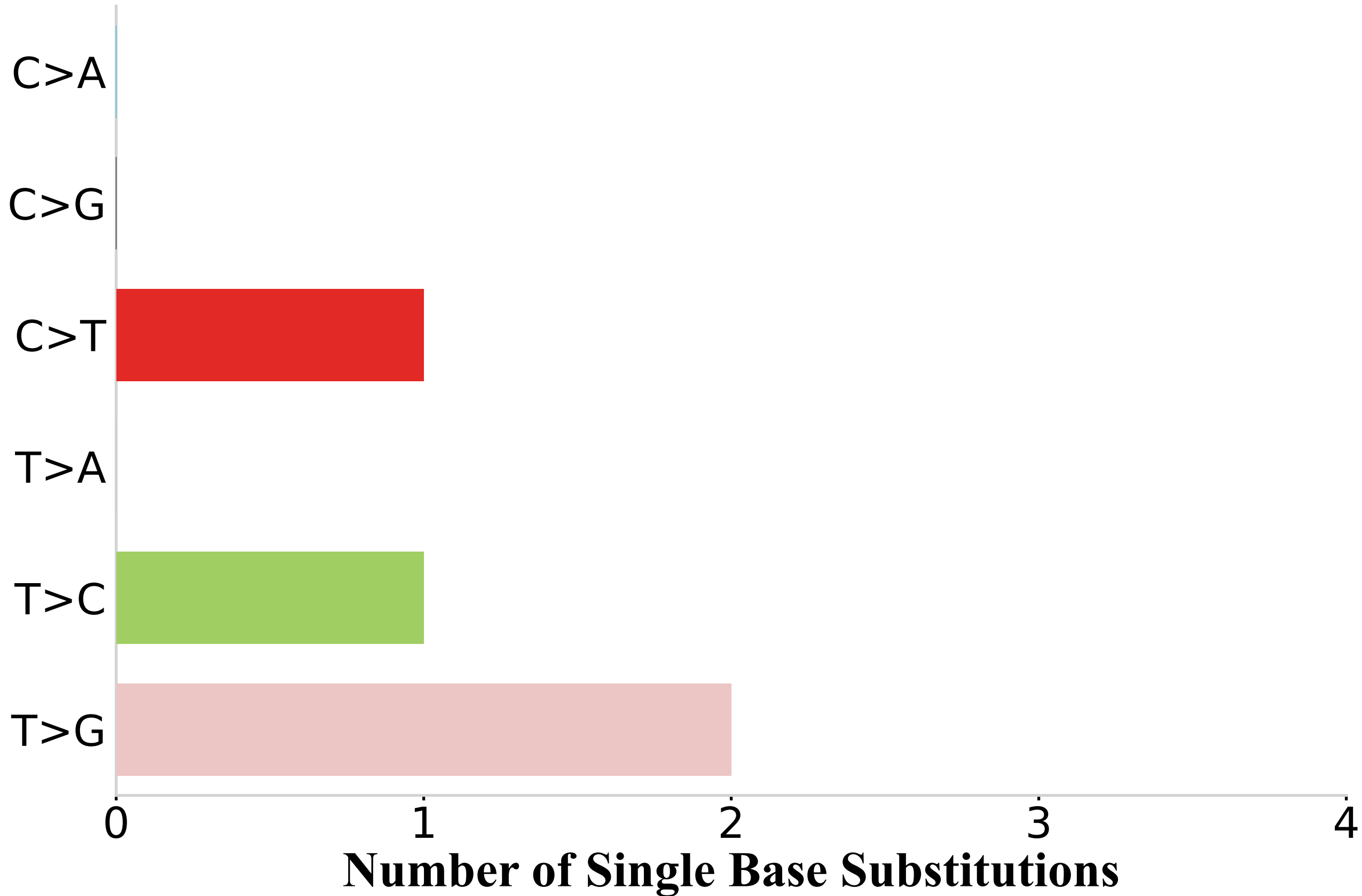
P-0025239-T01-IM6: 1 subs



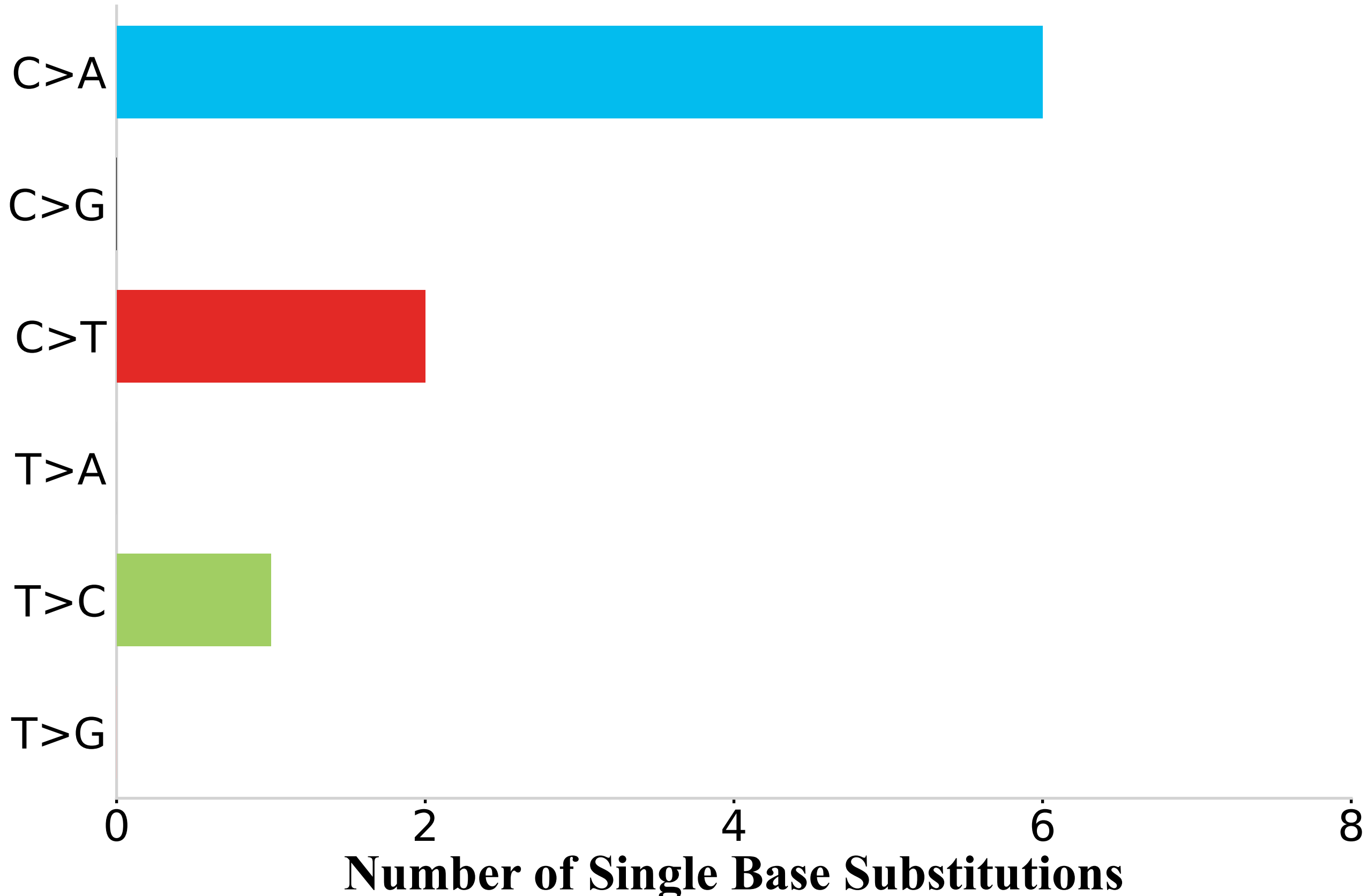
P-0025698-T01-IM6: 2 subs



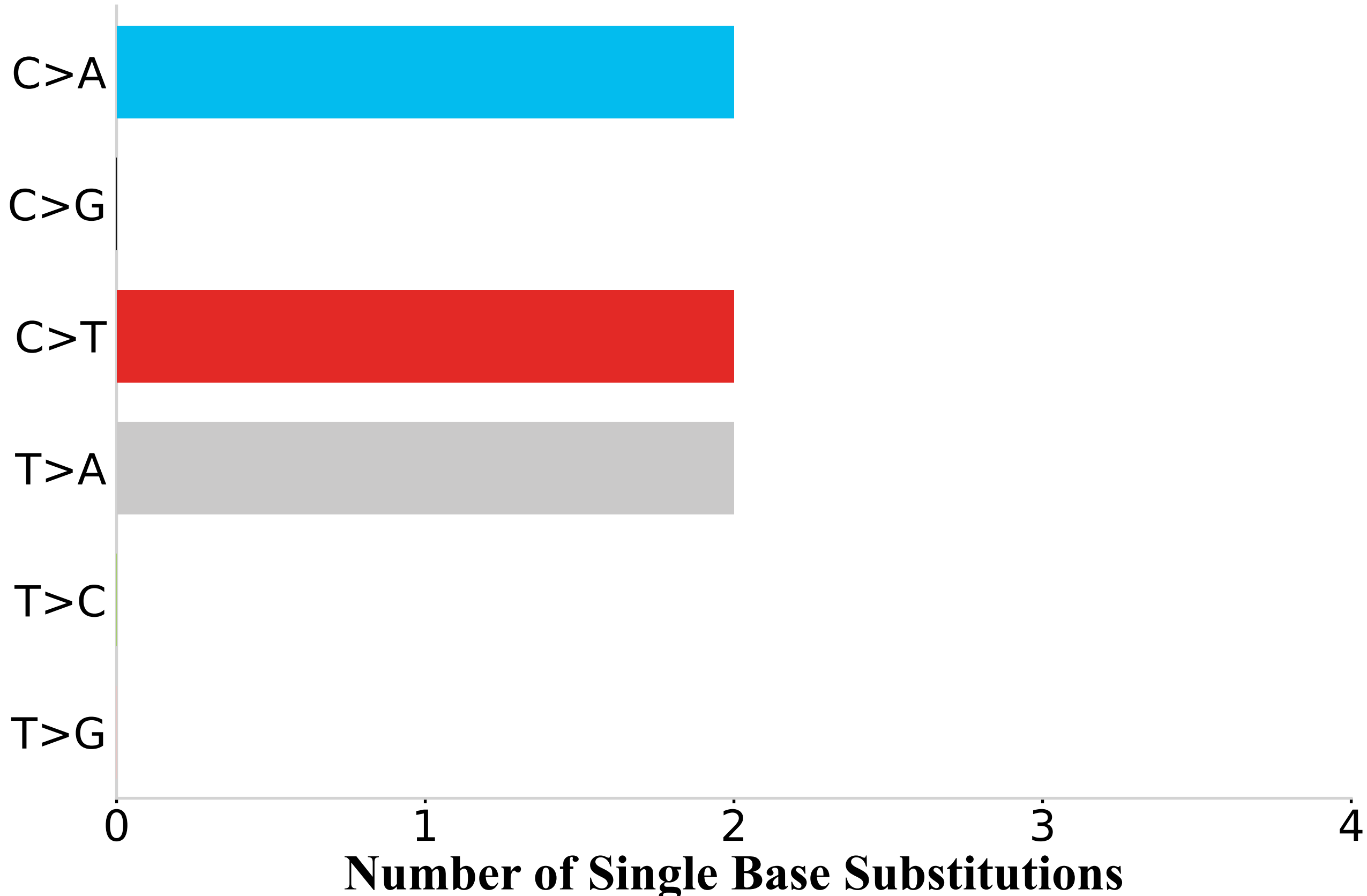
P-0025981-T01-IM6: 4 subs



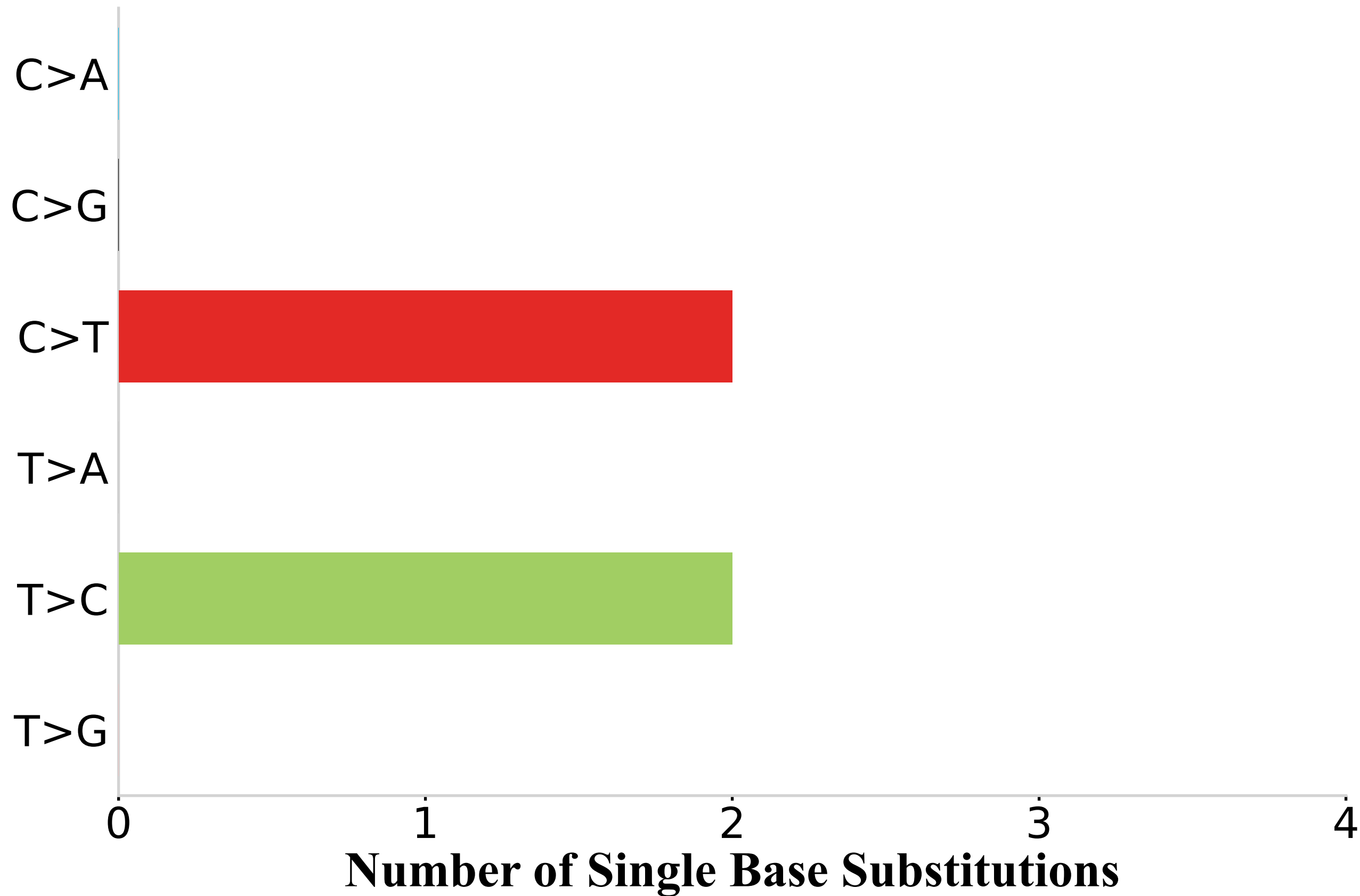
P-0026004-T01-IM6: 9 subs



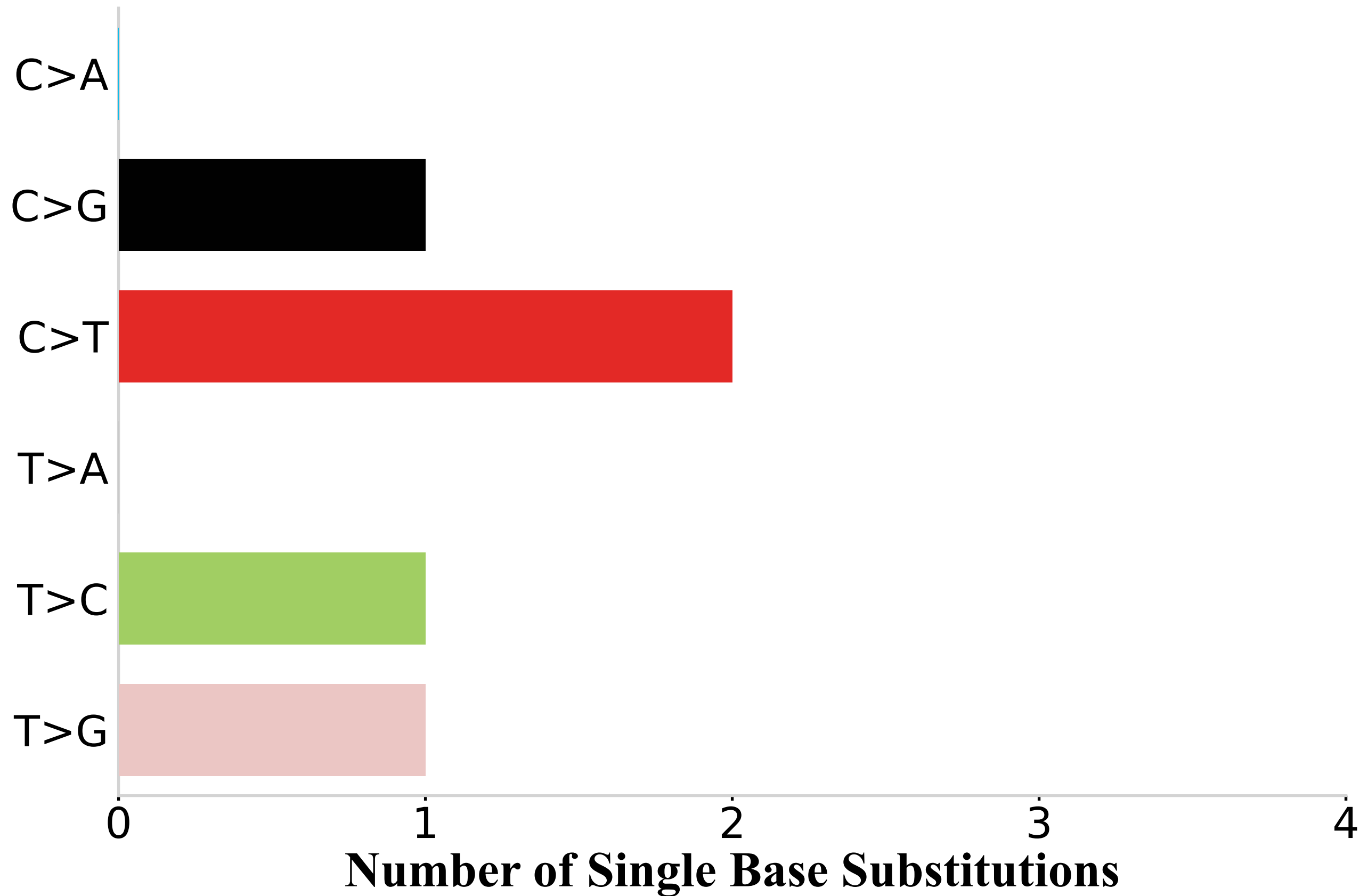
P-0026403-T01-IM6: 6 subs



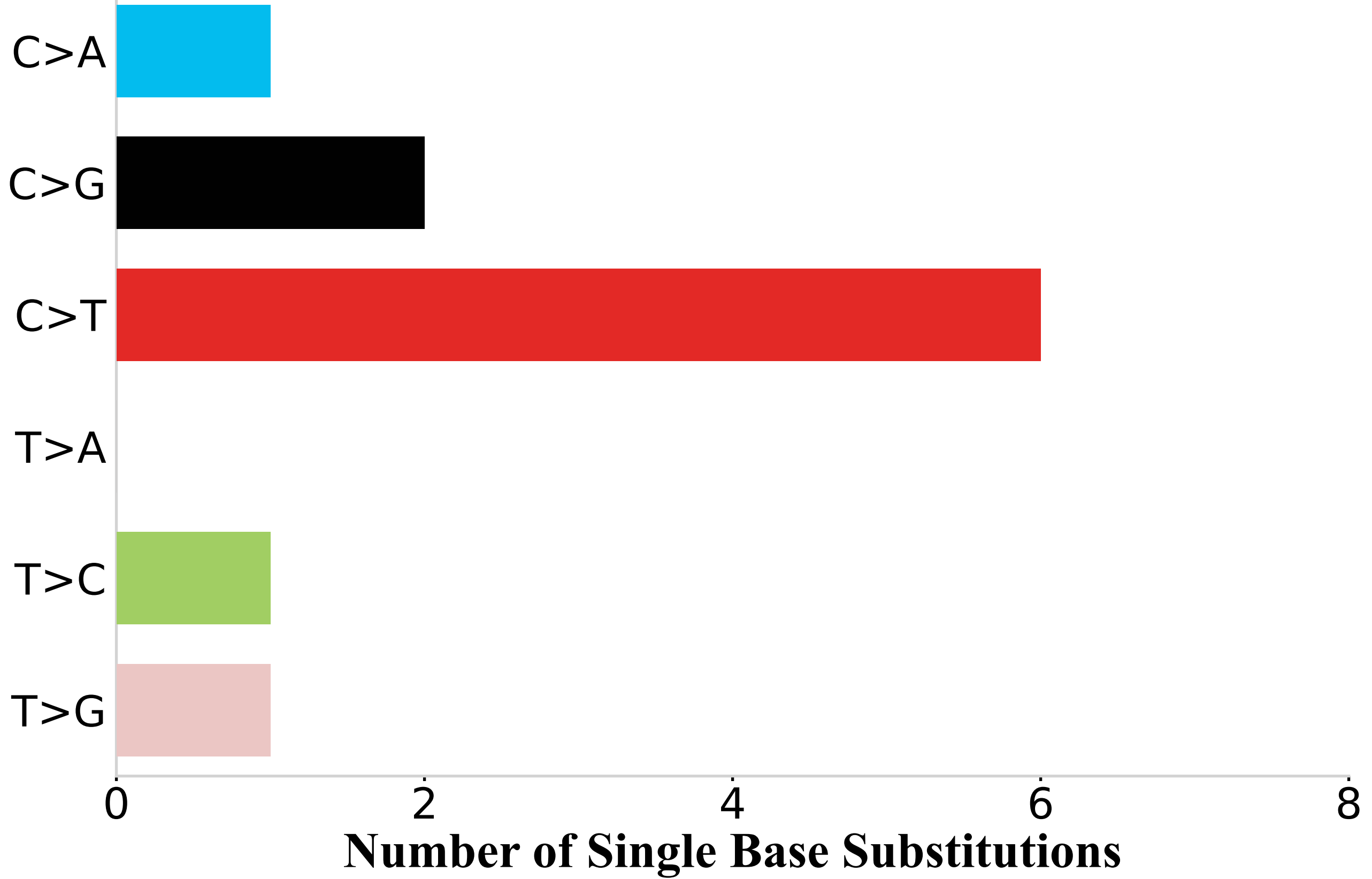
P-0026544-T01-IM6: 4 subs



P-0026813-T01-IM6: 5 subs



P-0026814-T01-IM6: 11 subs



P-0027856-T01-IM6: 0 subs

C>A

C>G

C>T

T>A

T>C

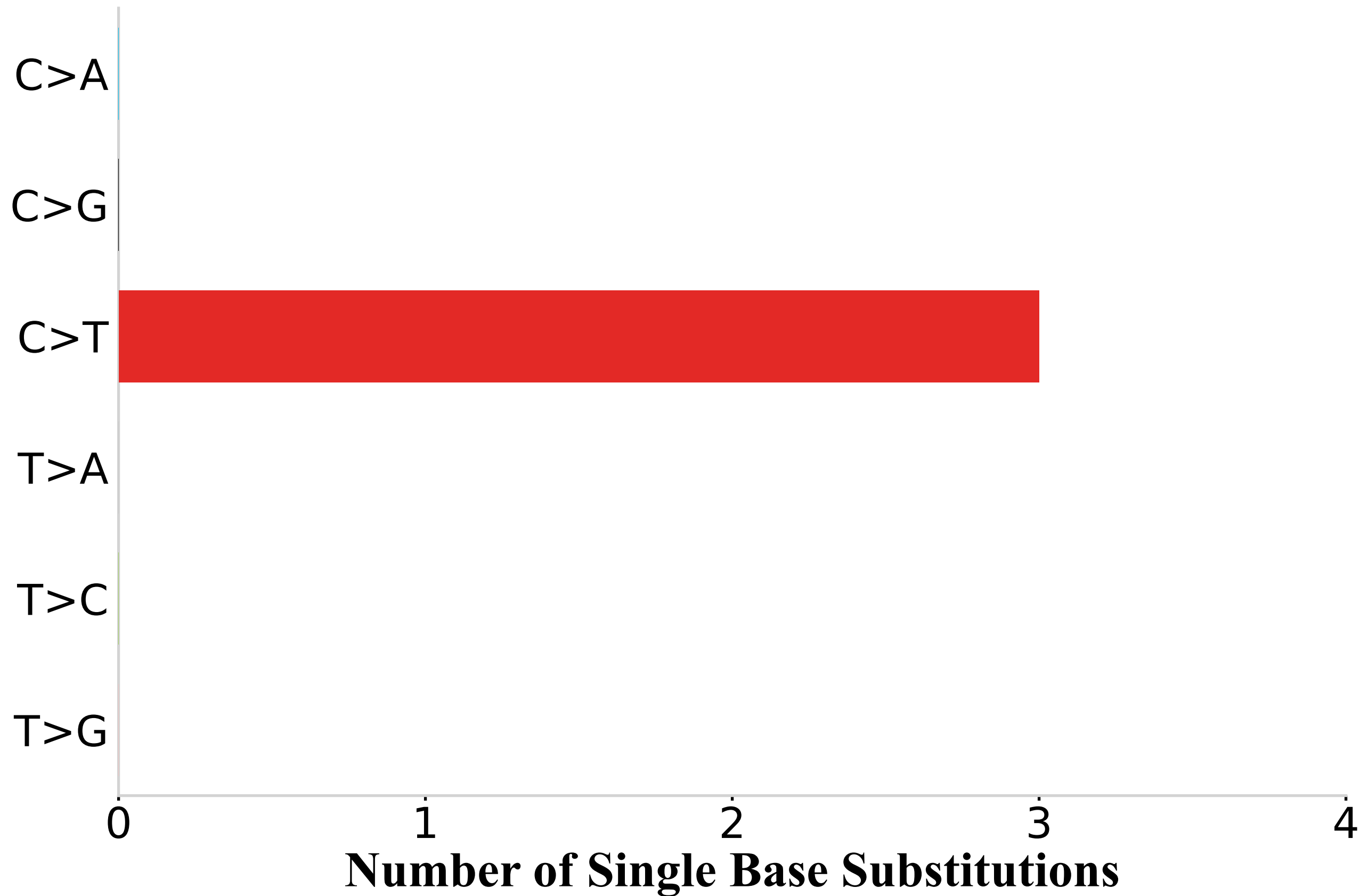
T>G

0

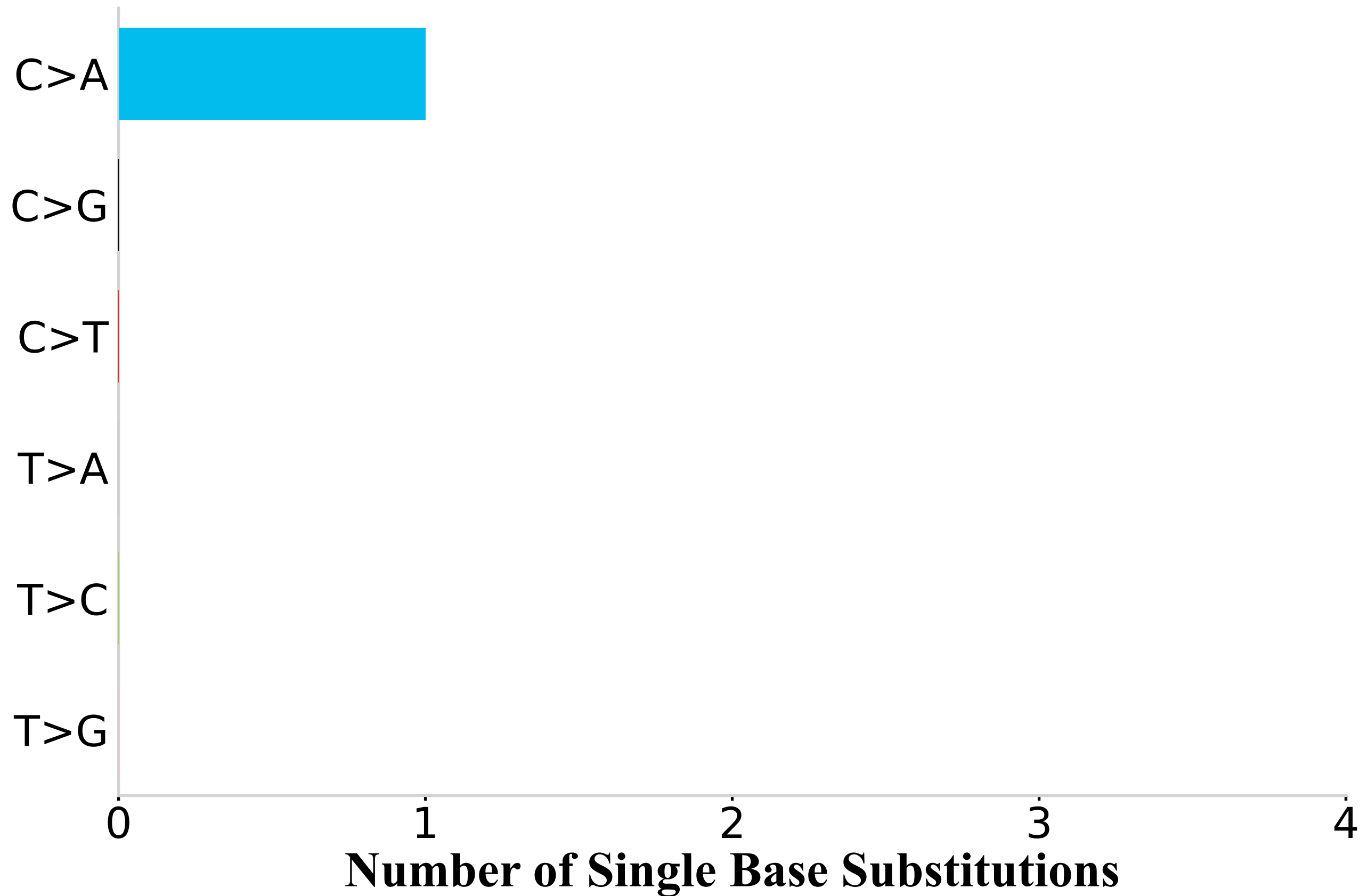
Number of Single Base Substitutions



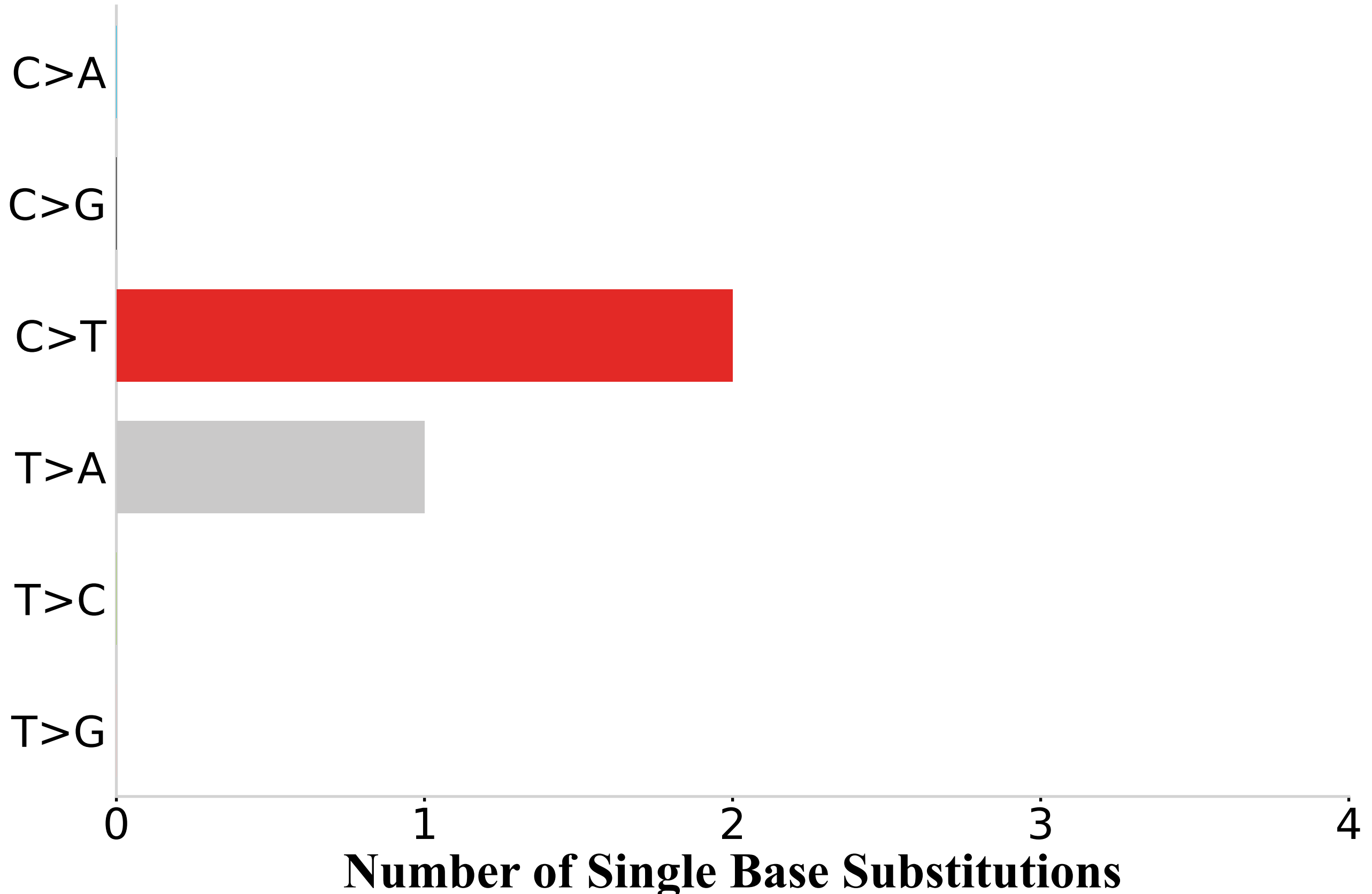
P-0028085-T01-IM6: 3 subs



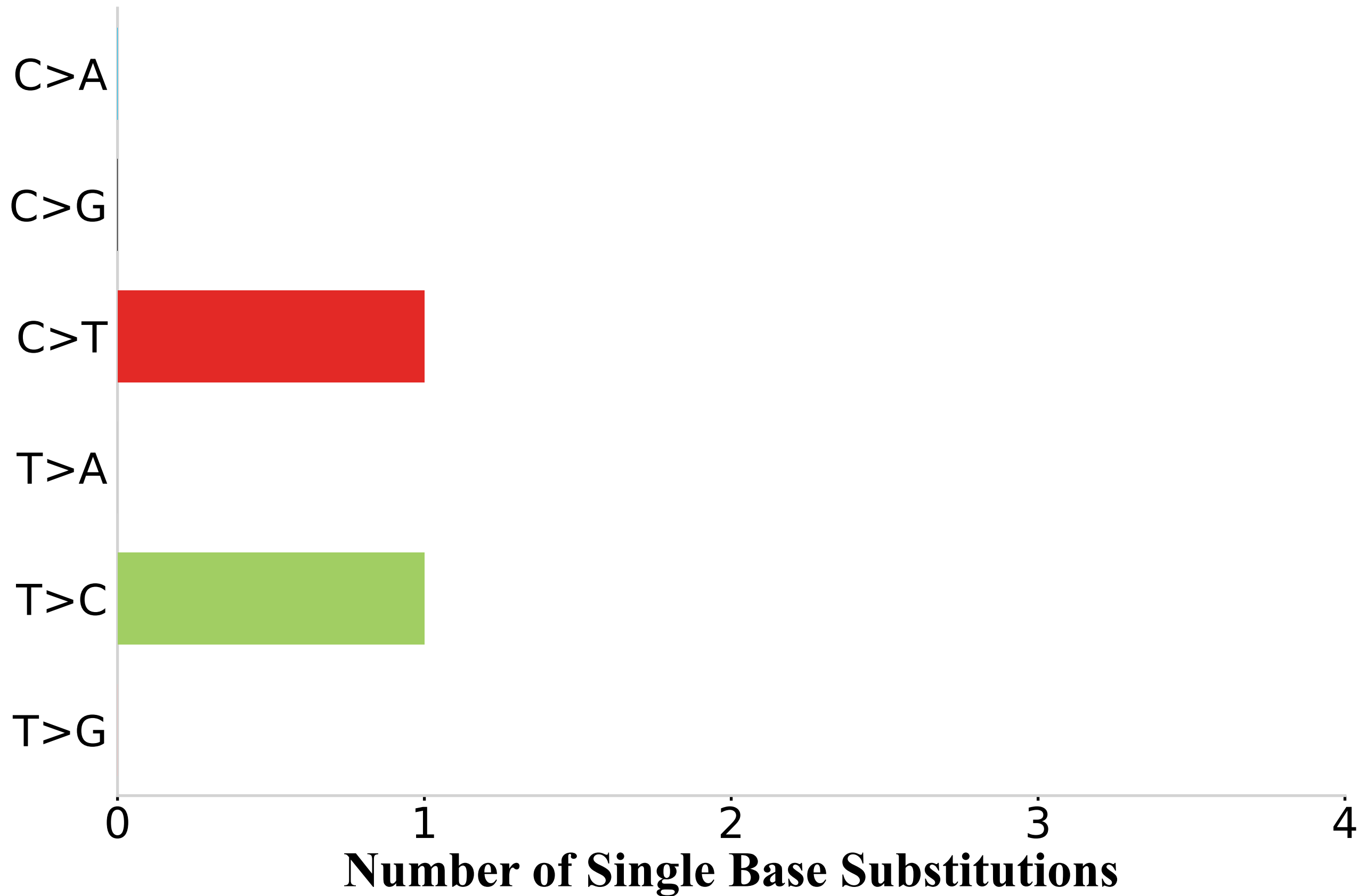
P-0028286-T01-IM6: 1 subs



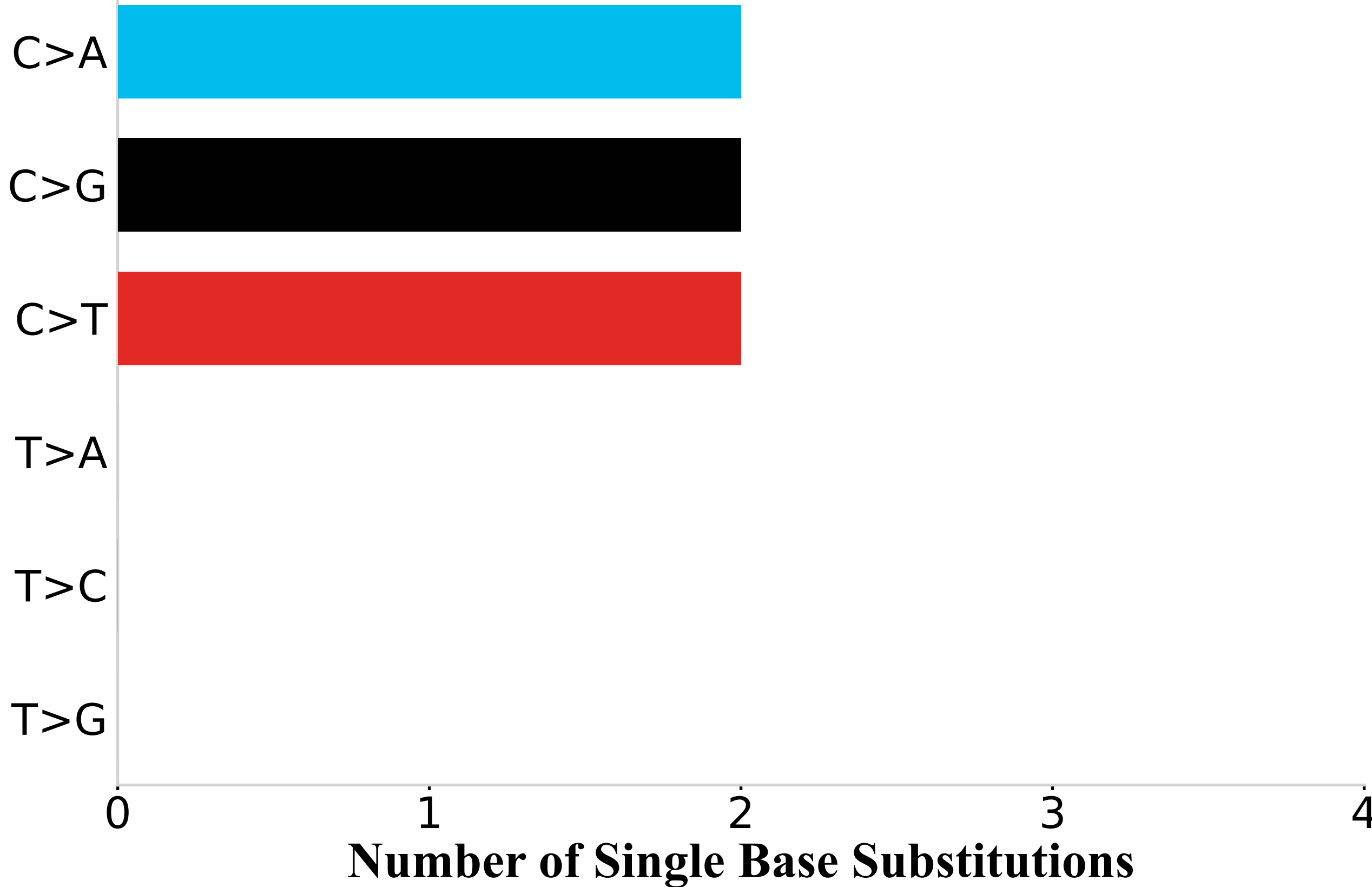
P-0028463-T01-IM6: 3 subs



P-0028601-T01-IM6: 2 subs



P-0028837-T01-IM6: 6 subs



P-0028912-T01-IM6: 2 subs

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C>G

C>T

T>A

T>C

T>G

0

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2

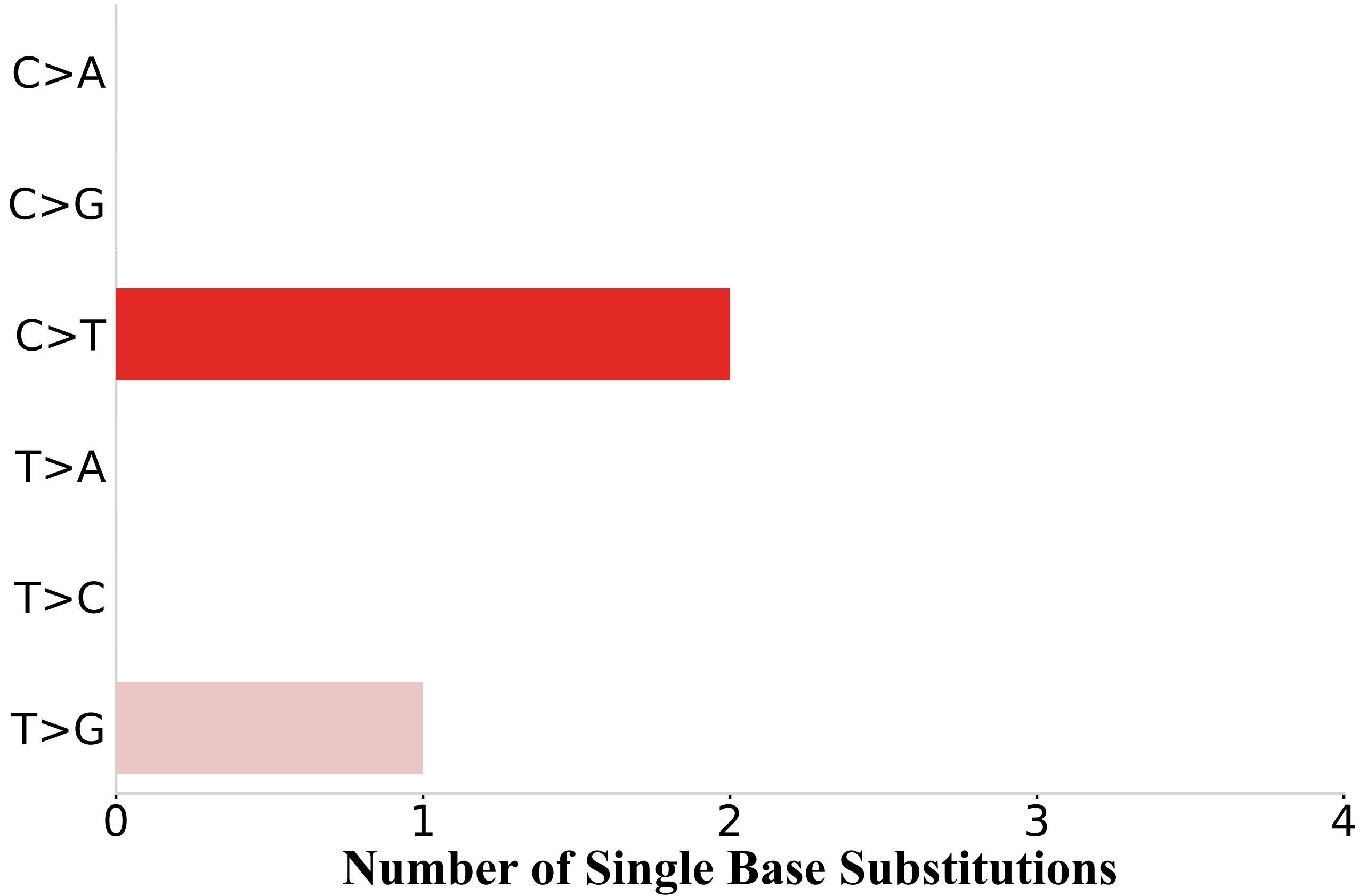
3

4

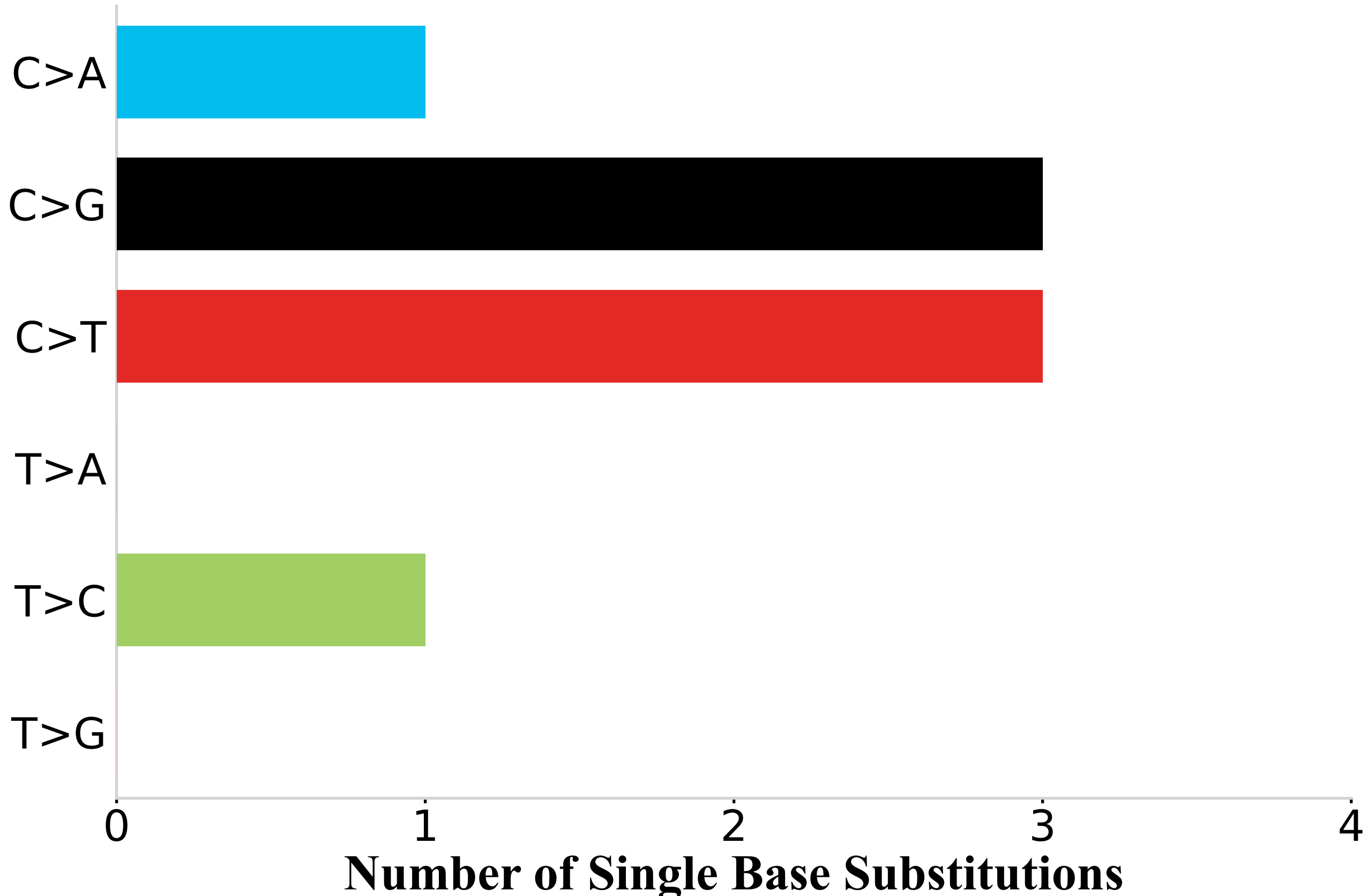
Number of Single Base Substitutions



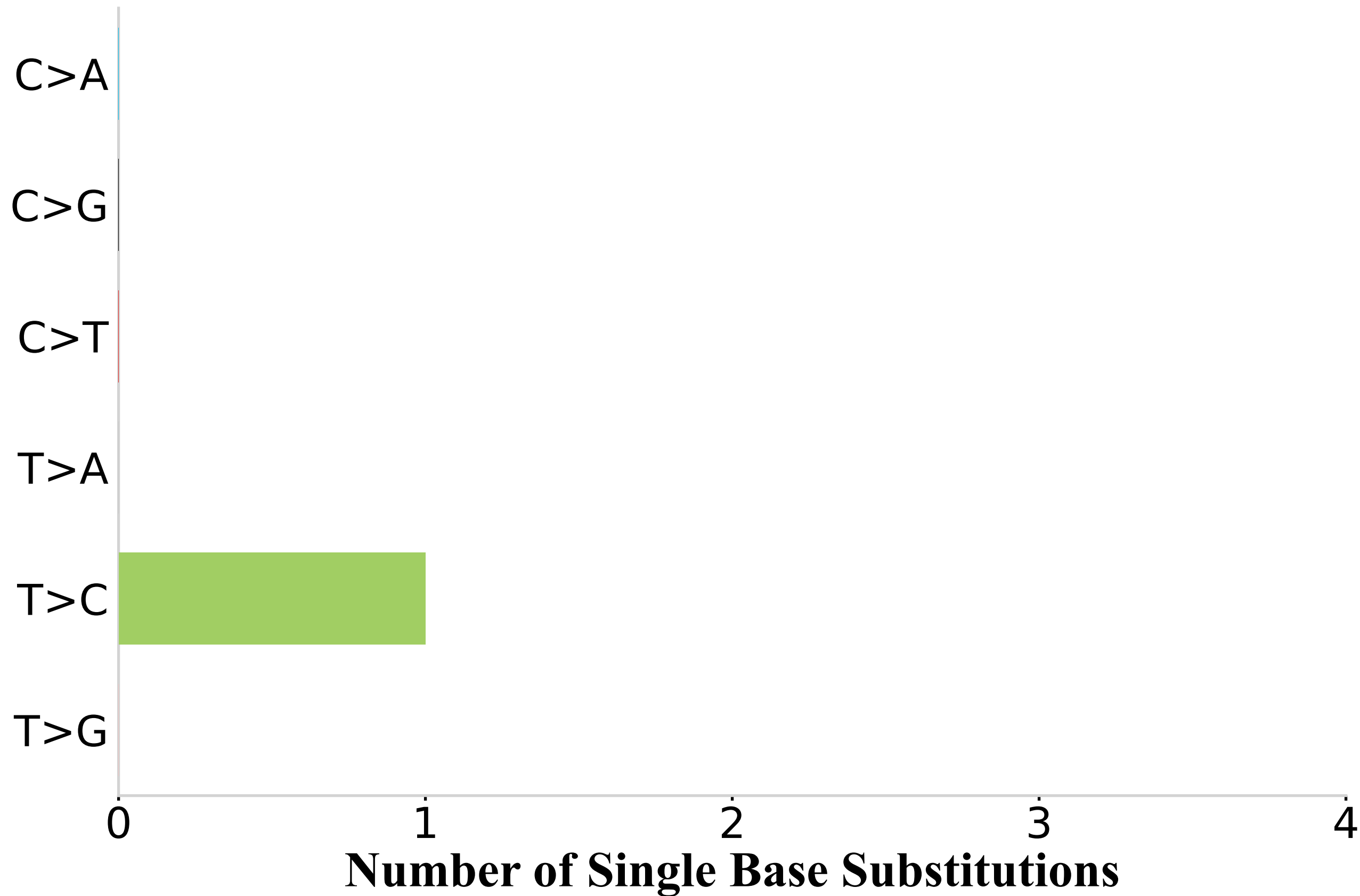
P-0029108-T01-IM6: 3 subs



P-0029385-T01-IM6: 8 subs



P-0030548-T01-IM6: 1 subs



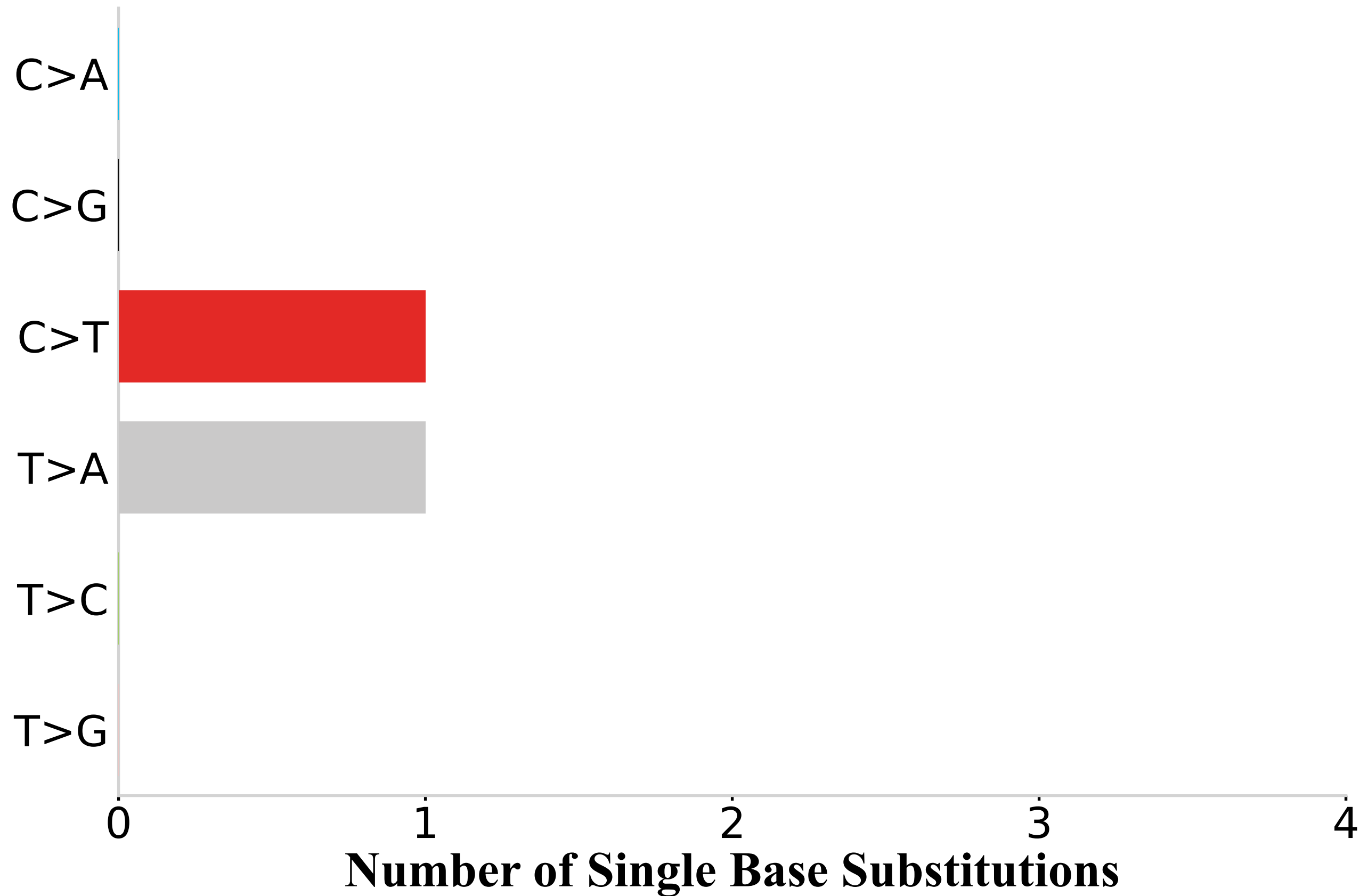
P-0030875-T01-IM6: 5 subs



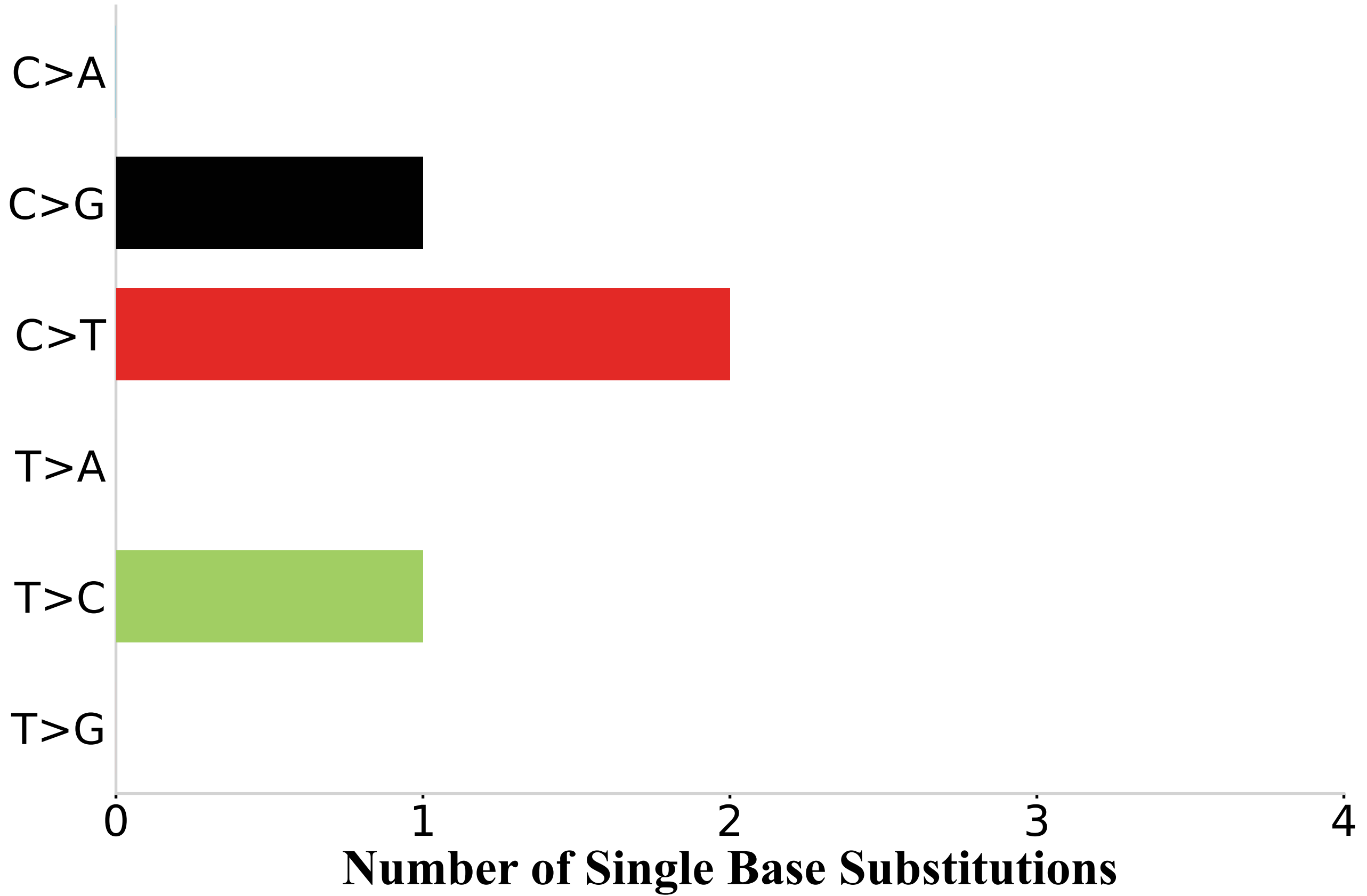
P-0030967-T01-IM6: 1 subs



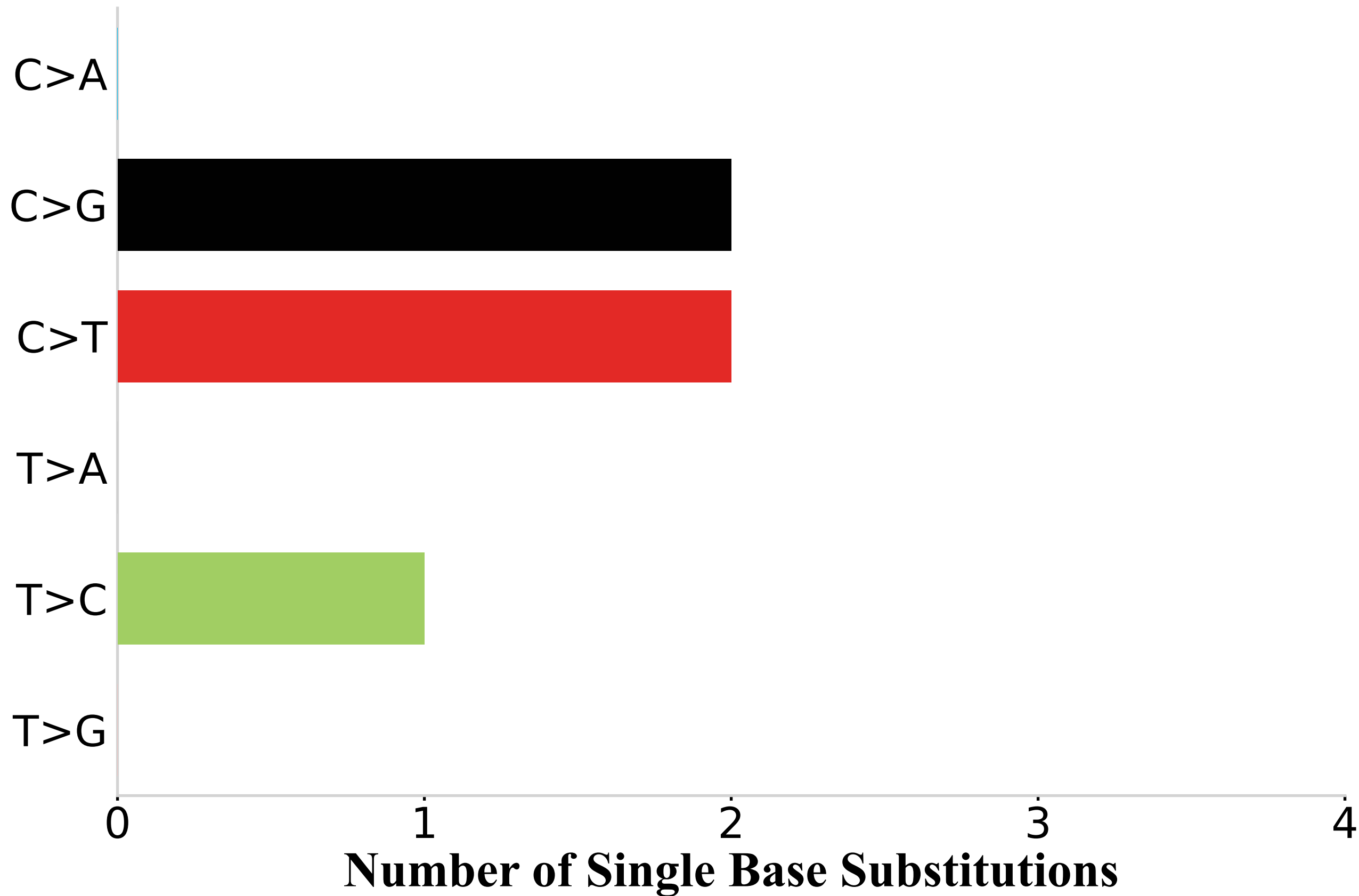
P-0031233-T01-IM6: 2 subs



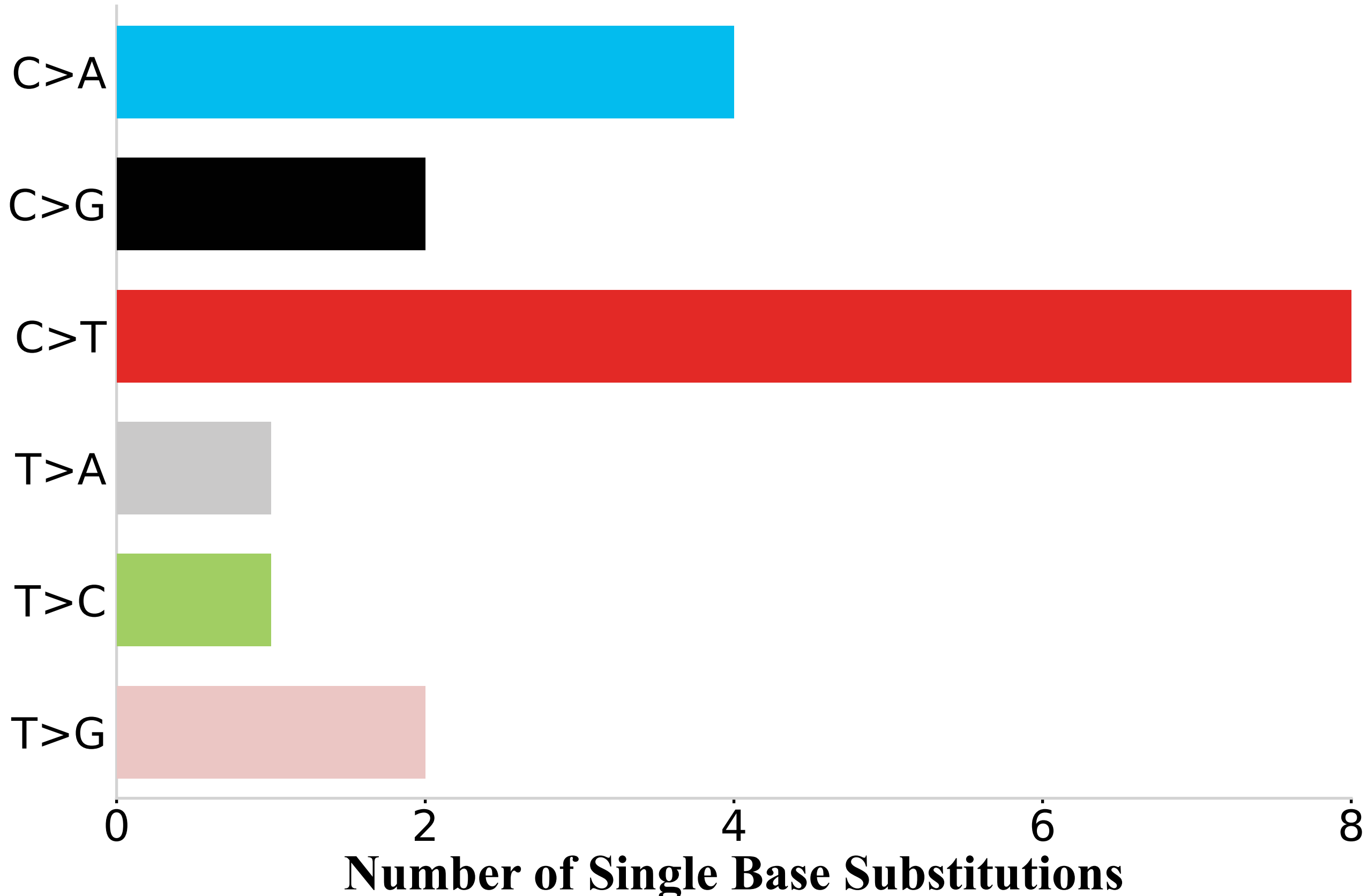
P-0032011-T01-IM6: 4 subs



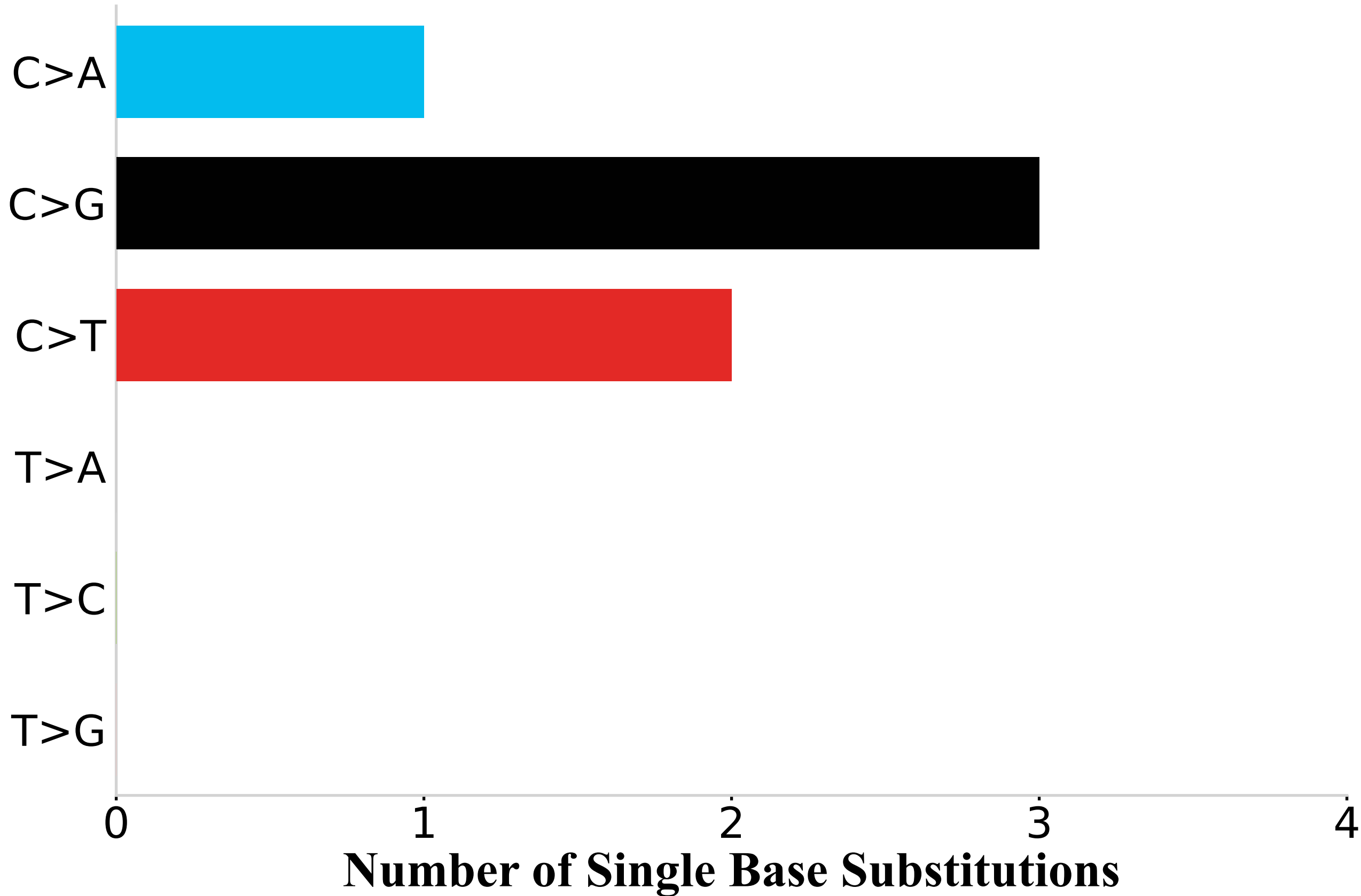
P-0032128-T01-IM6: 5 subs



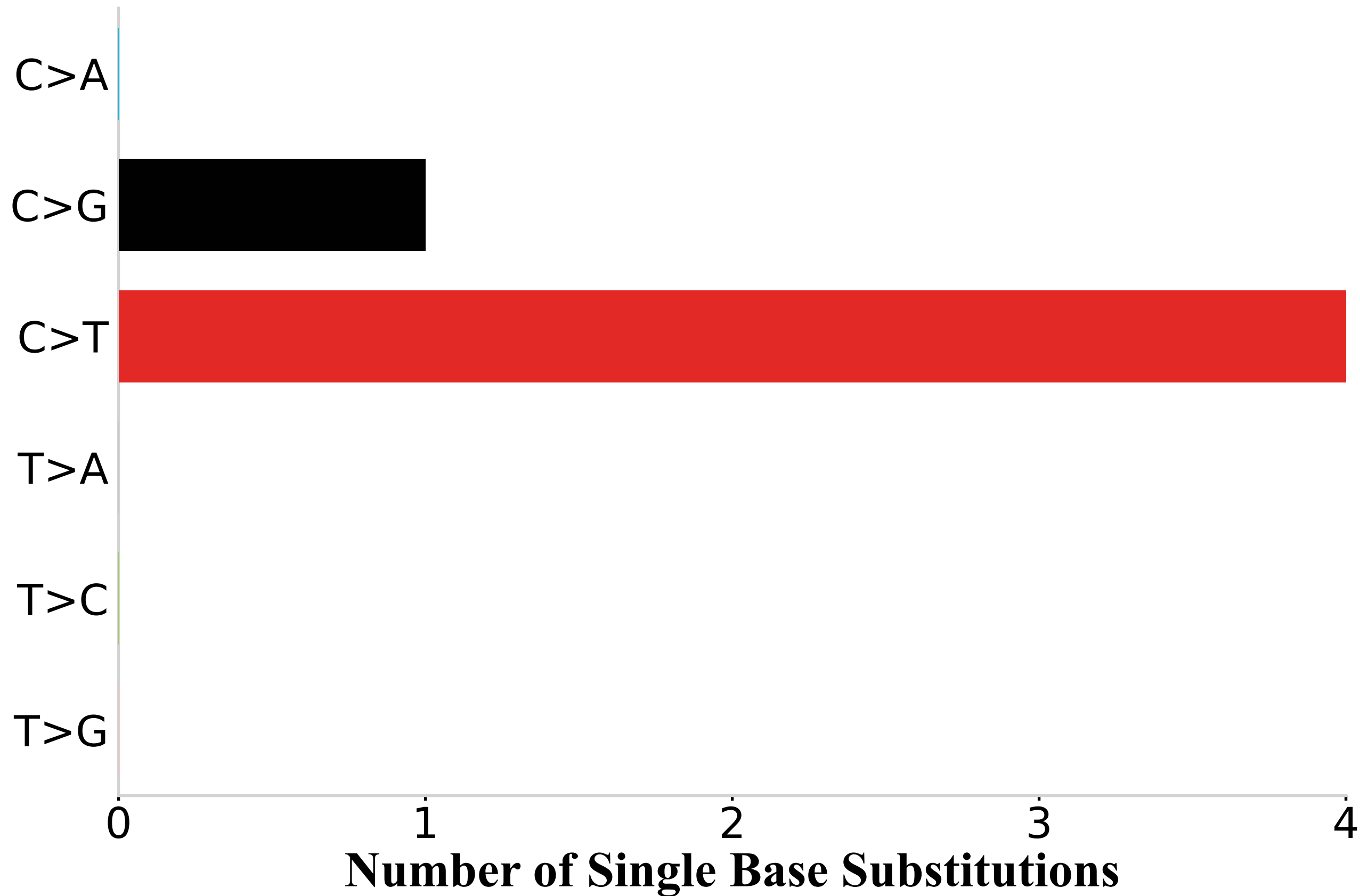
P-0032180-T01-IM6: 18 subs



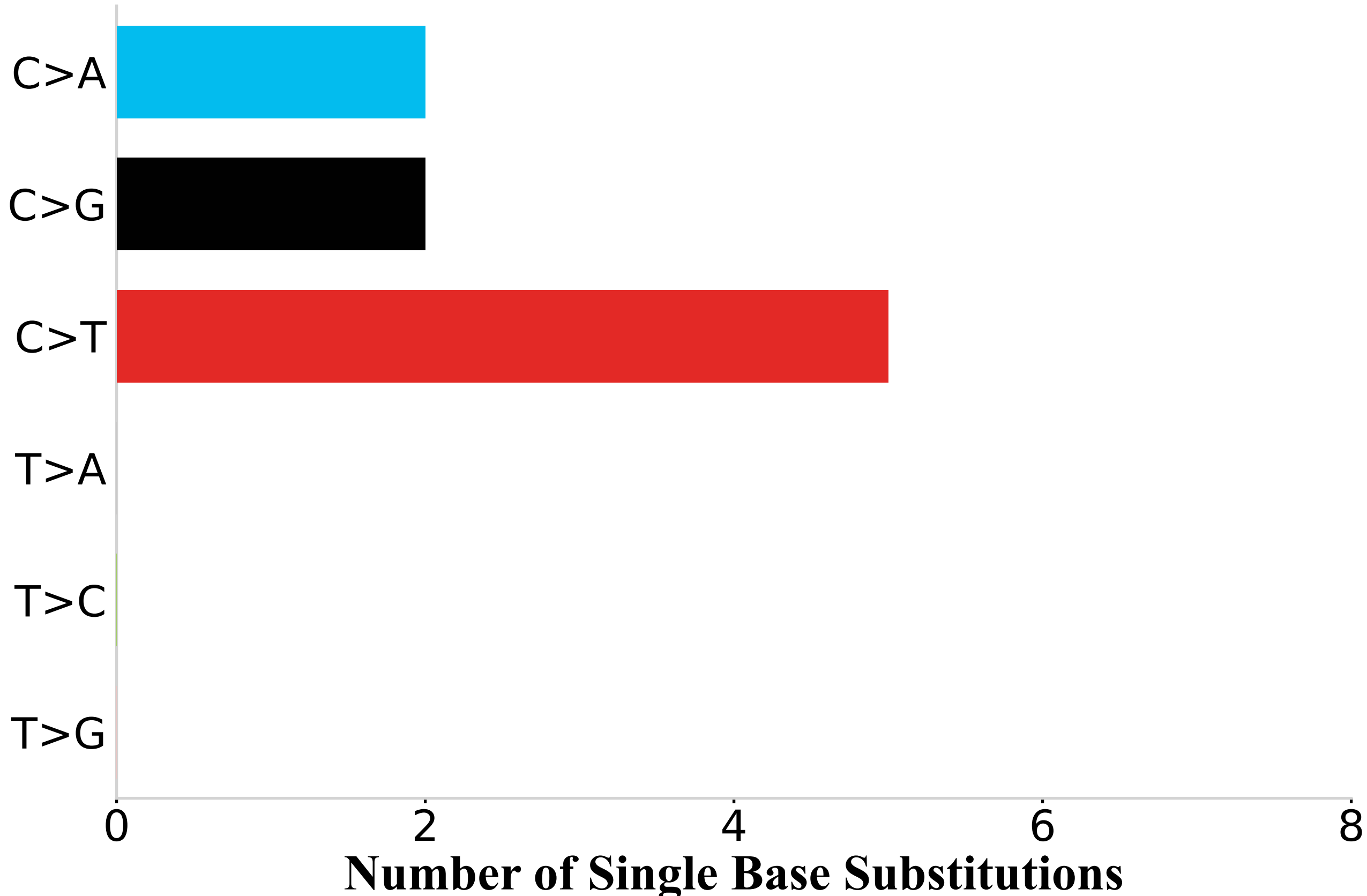
P-0032503-T01-IM6: 6 subs



P-0032962-T01-IM6: 5 subs



P-0033326-T01-IM6: 9 subs



P-0033407-T01-IM6: 4 subs

C>A

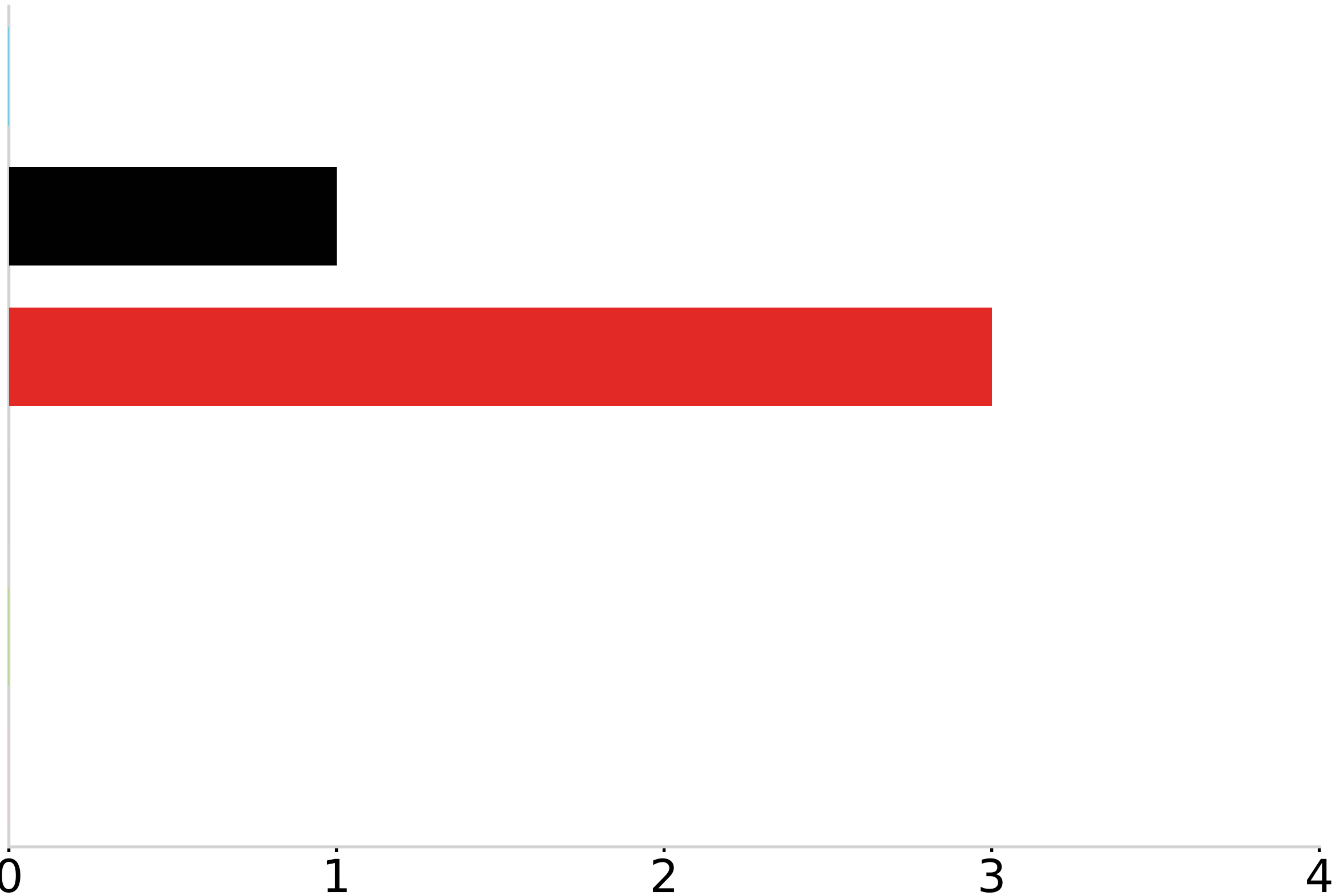
C>G

C>T

T>A

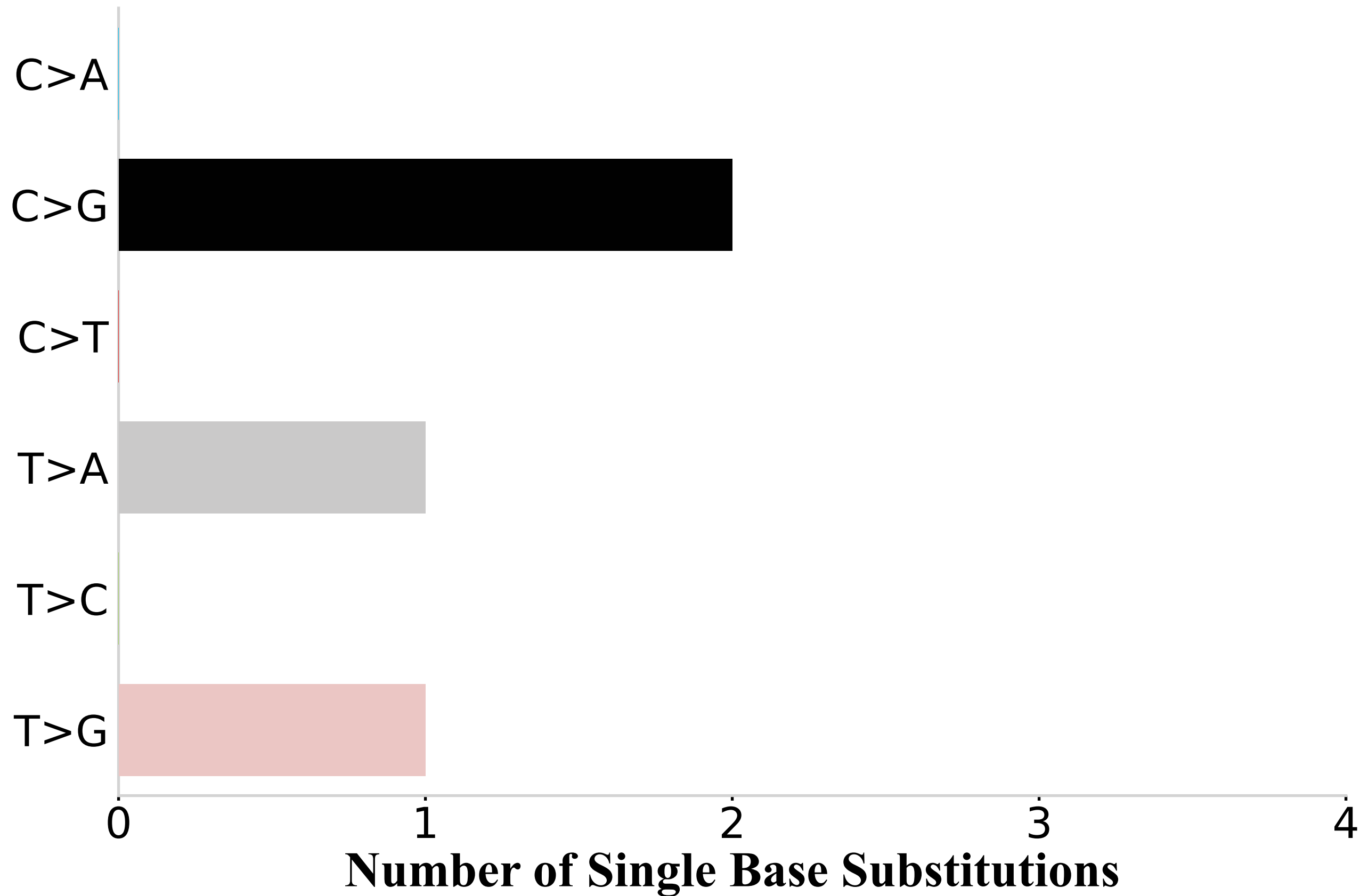
T>C

T>G

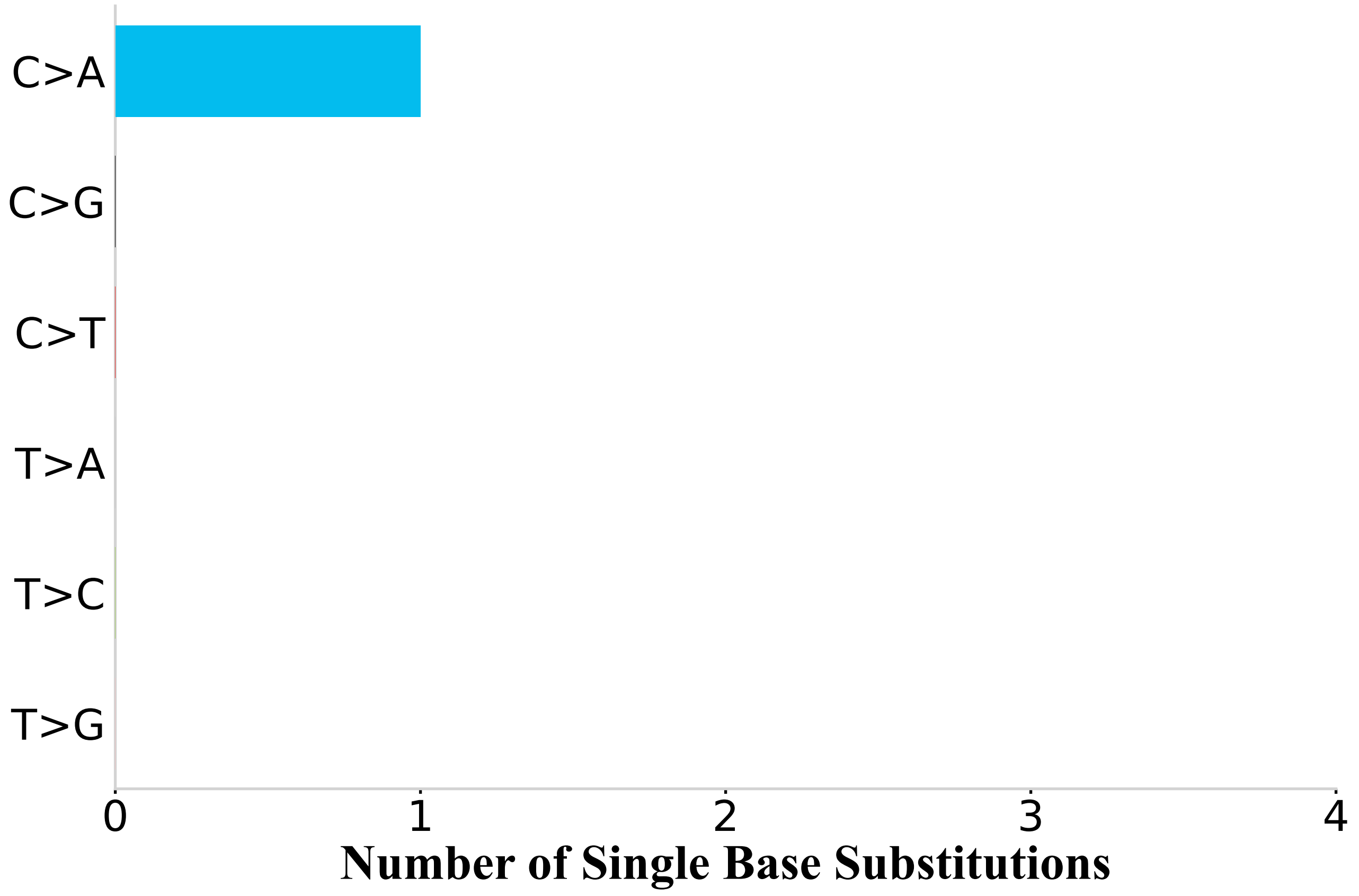


Number of Single Base Substitutions

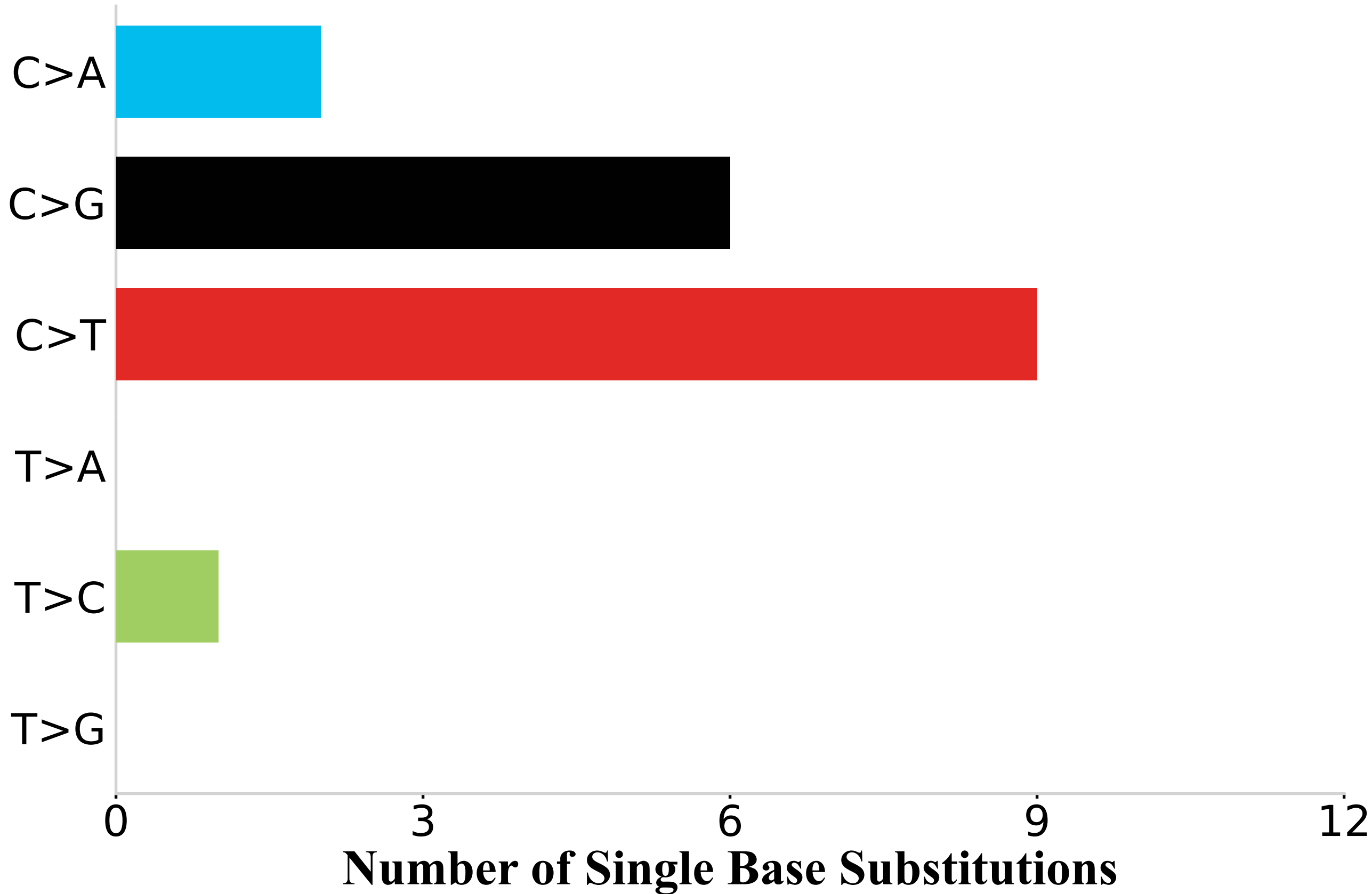
P-0033444-T01-IM6: 4 subs



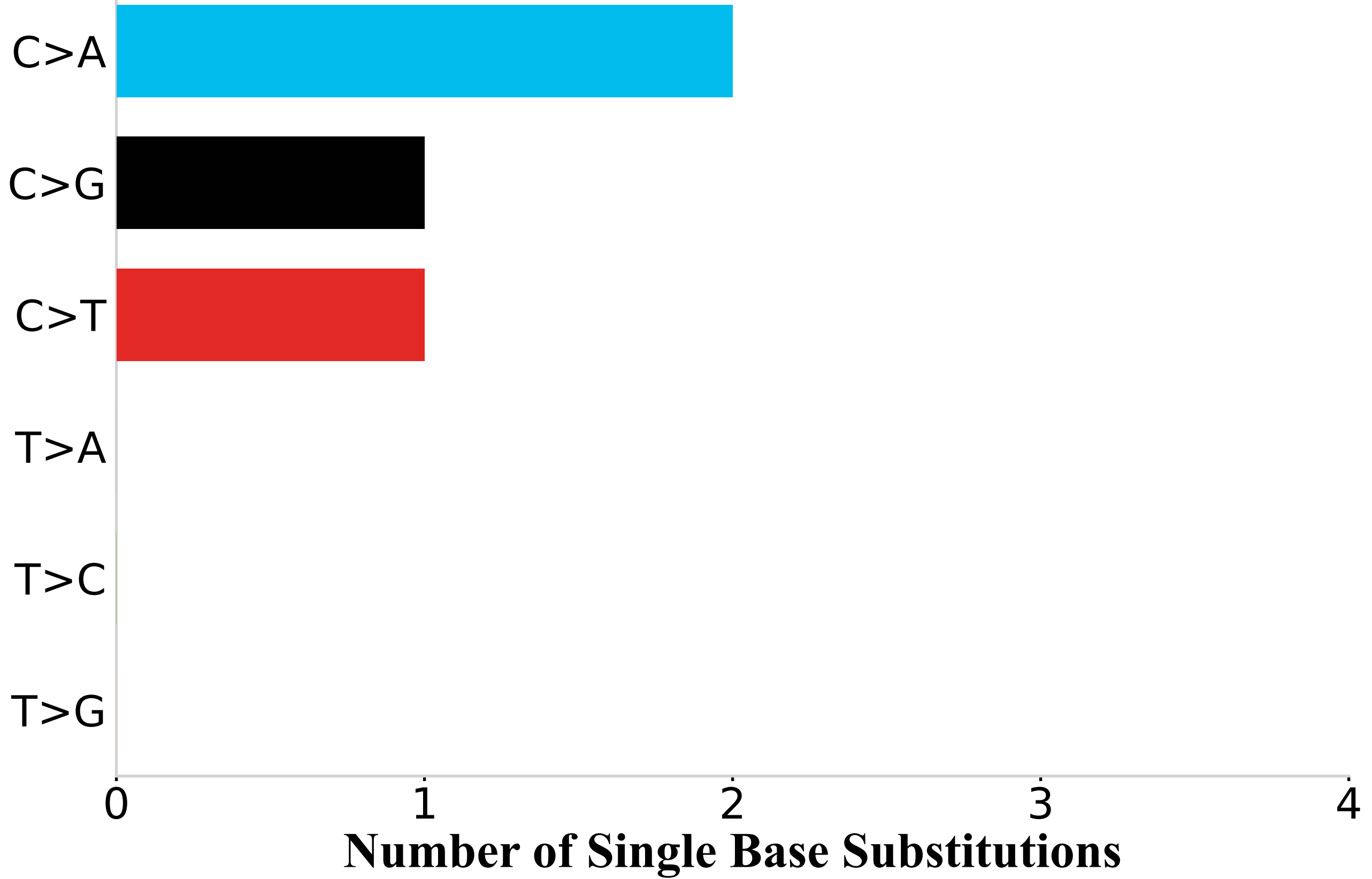
P-0034116-T01-IM6: 1 subs



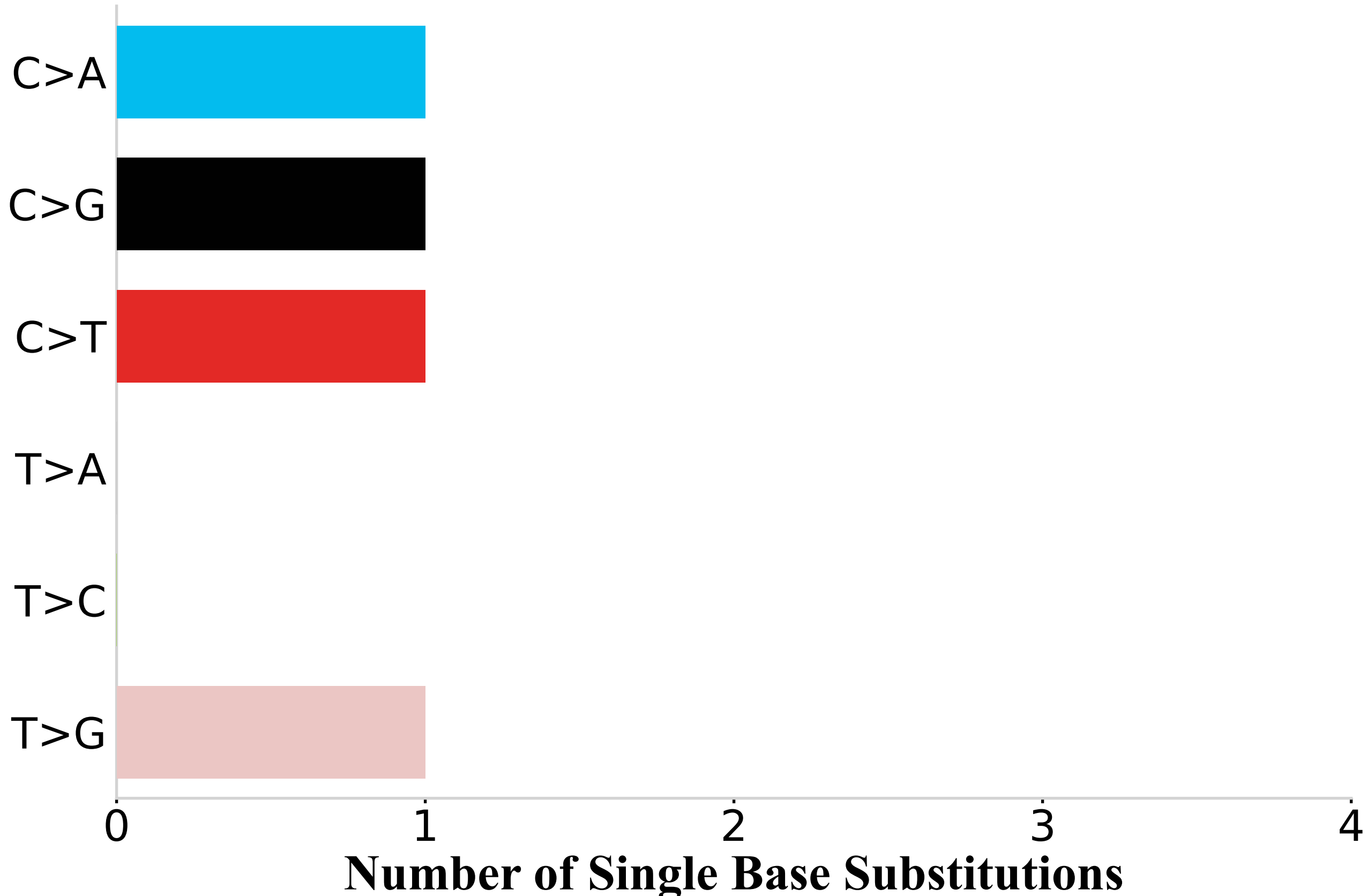
P-0034356-T01-IM6: 18 subs



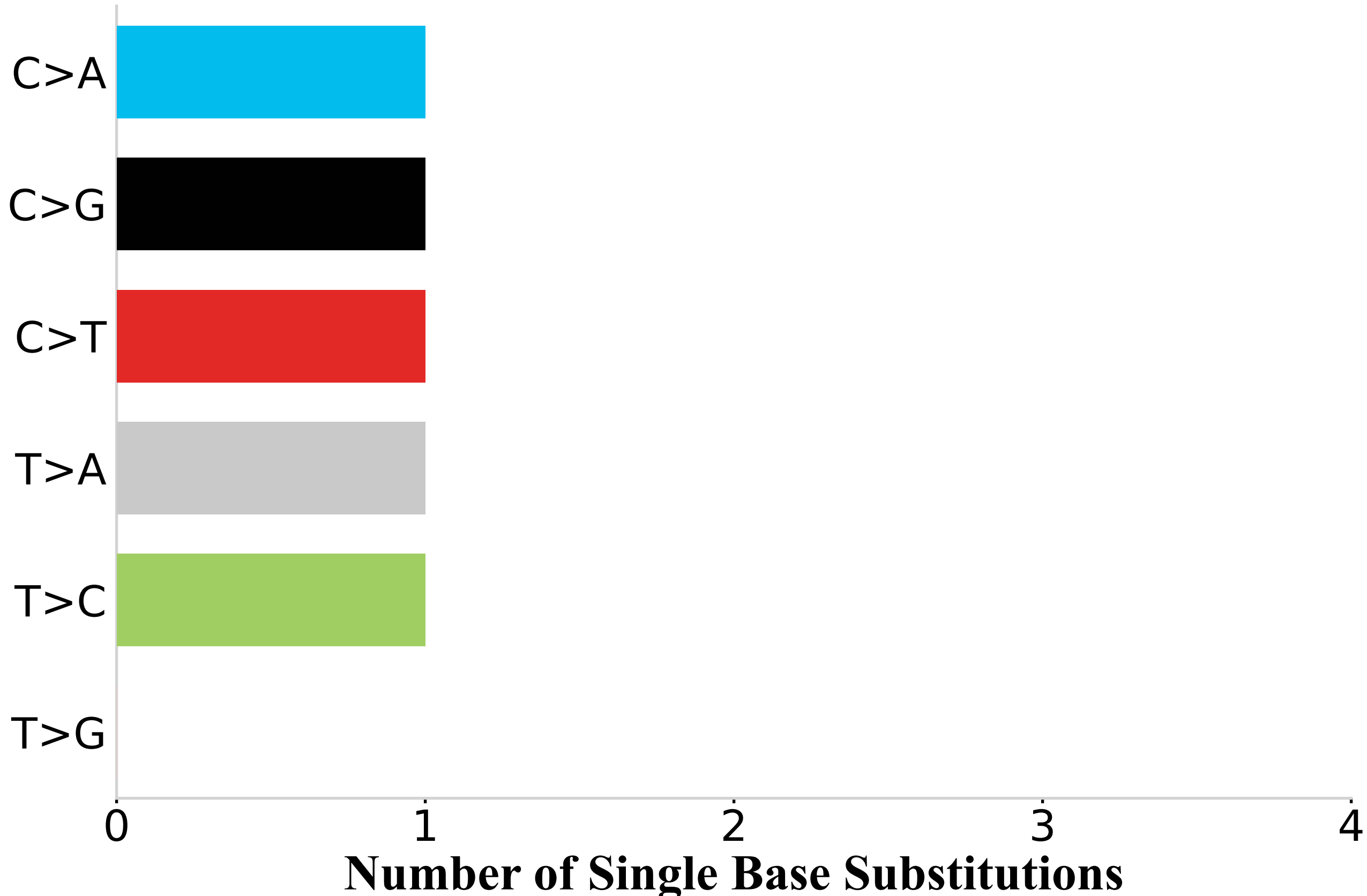
P-0034408-T01-IM6: 4 subs



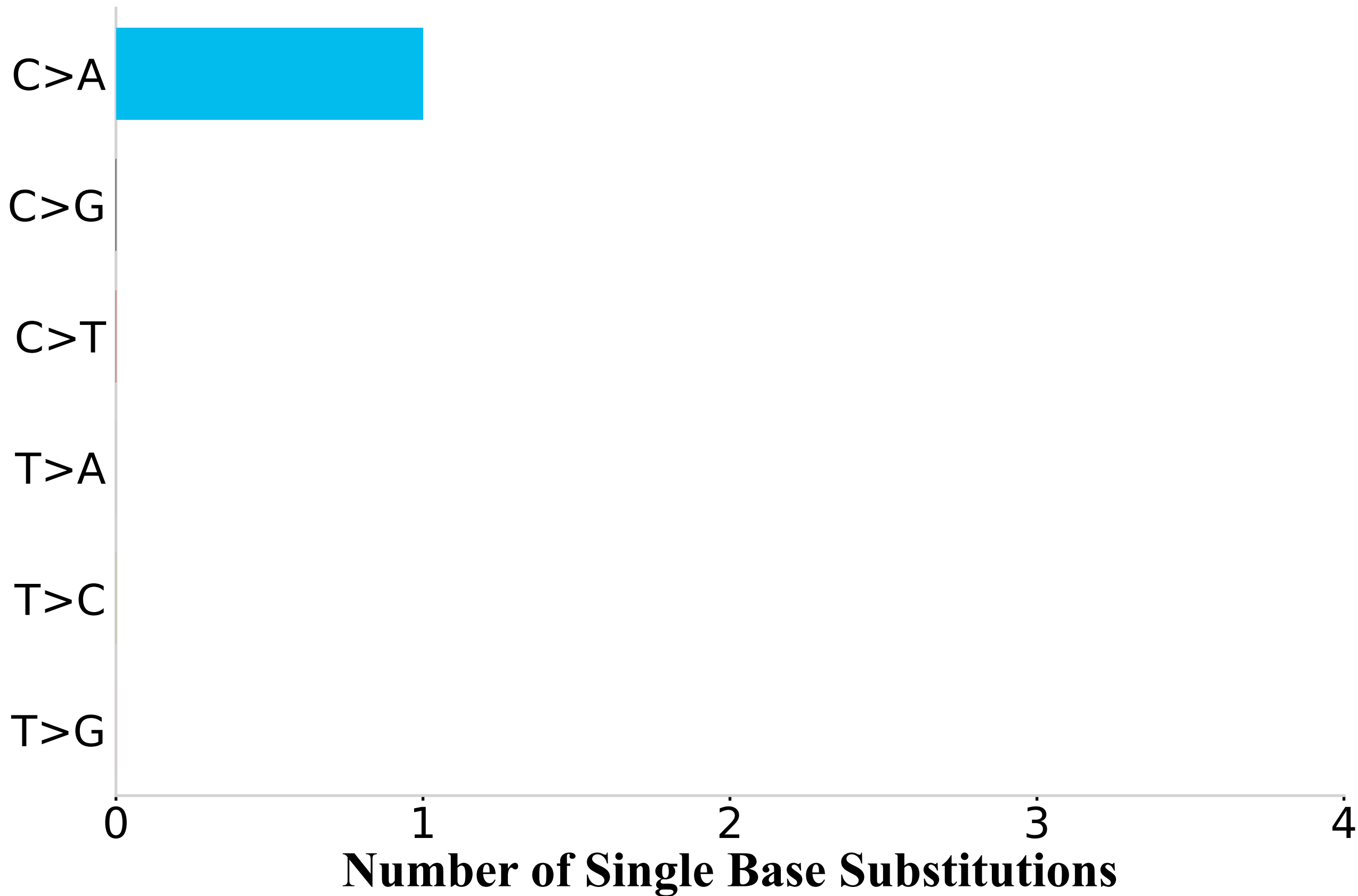
P-0034577-T01-IM6: 4 subs



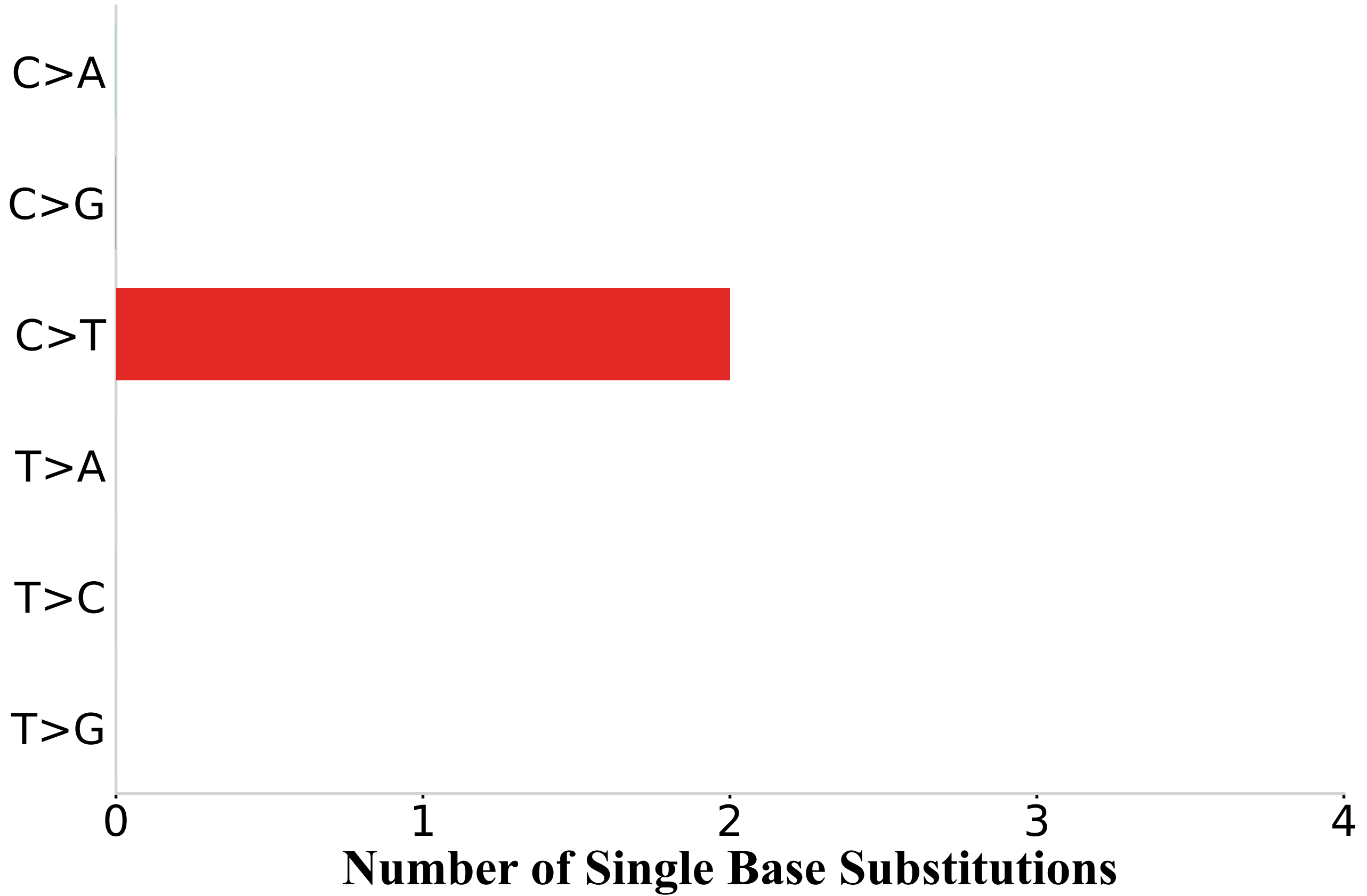
P-0034732-T01-IM6: 5 subs



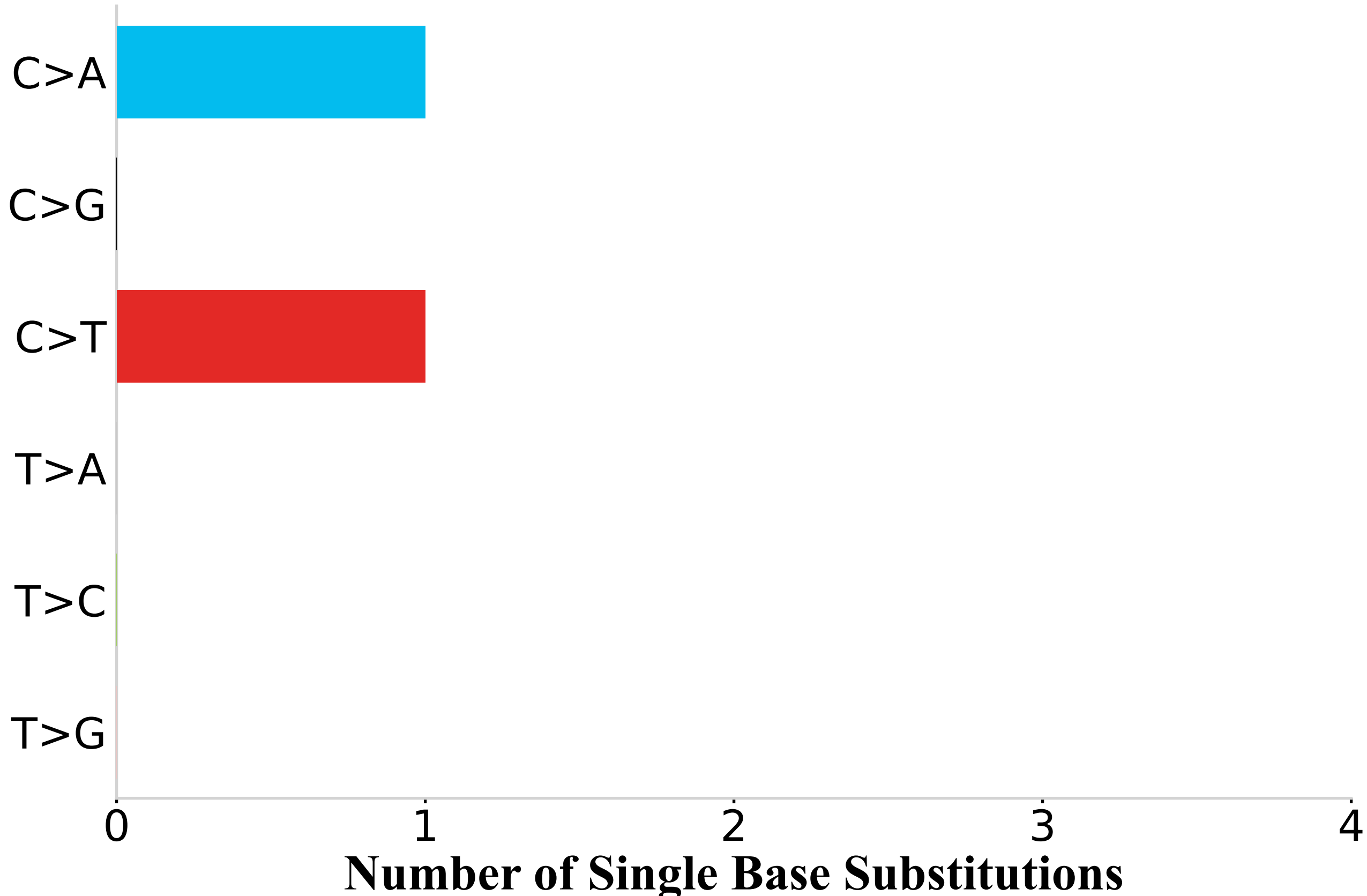
P-0035387-T01-IM6: 1 subs



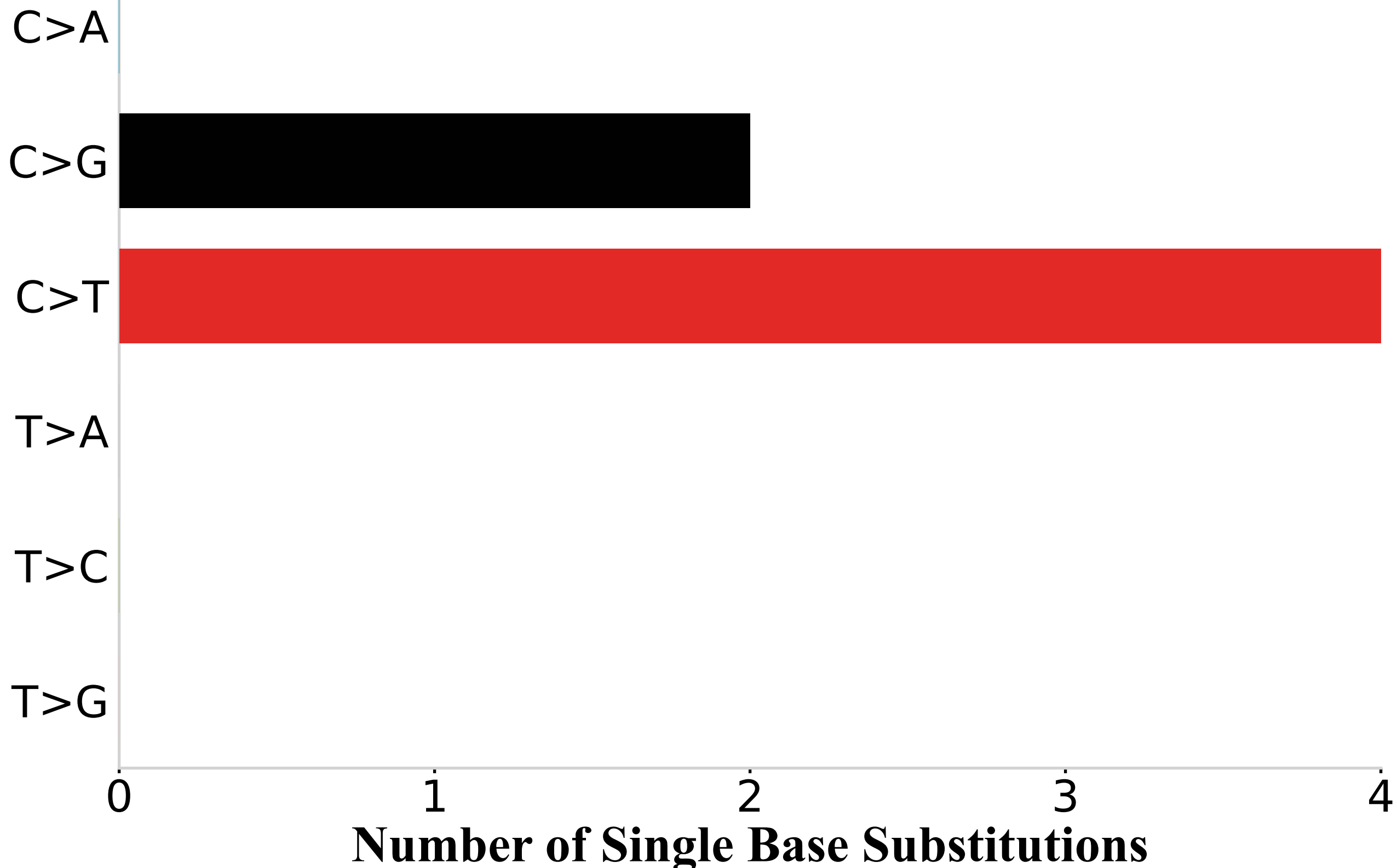
P-0035627-T01-IM6: 2 subs



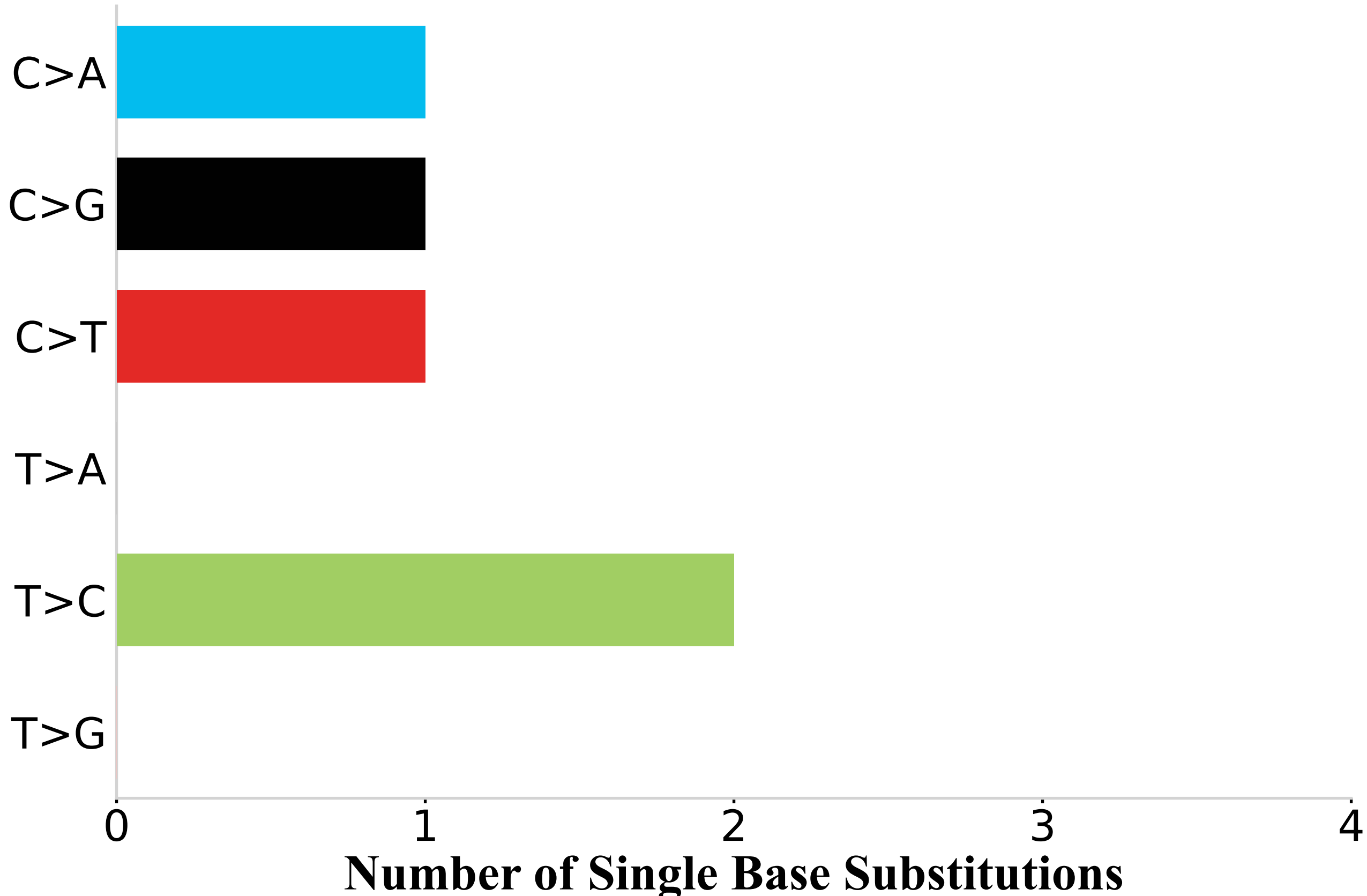
P-0035719-T01-IM6: 2 subs



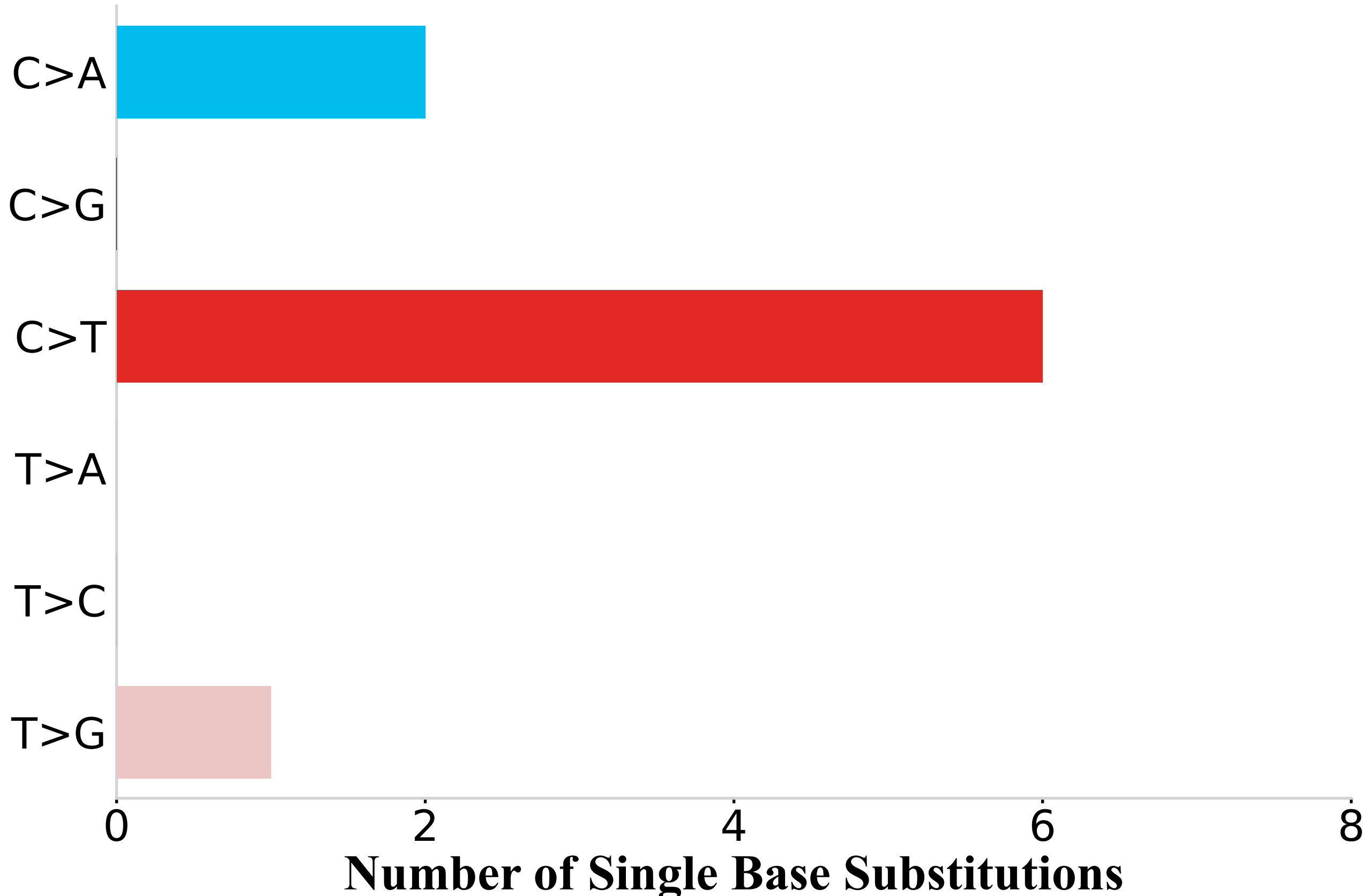
P-0035740-T01-IM6: 6 subs



P-0036003-T01-IM6: 5 subs



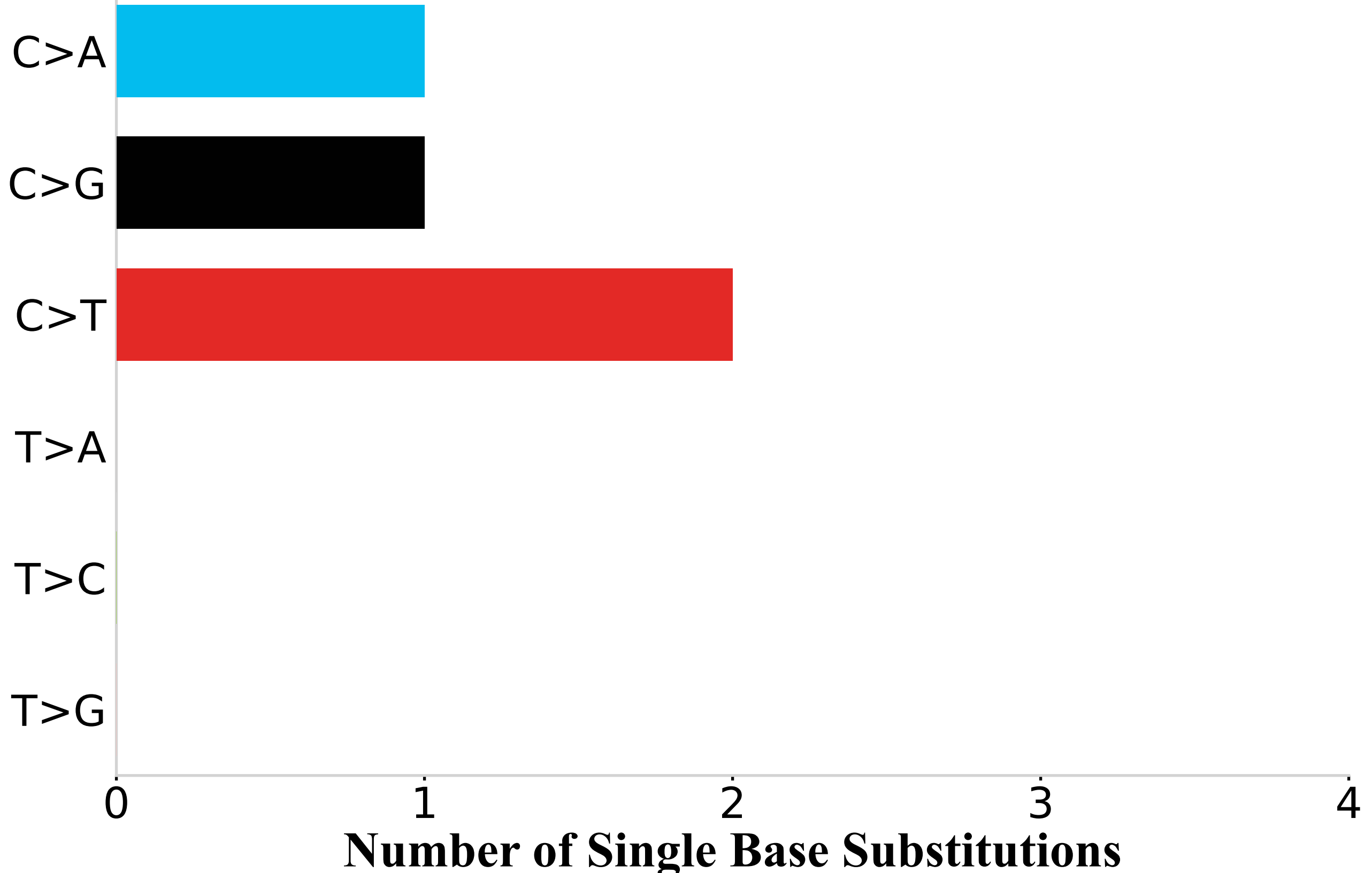
P-0036644-T01-IM6: 9 subs



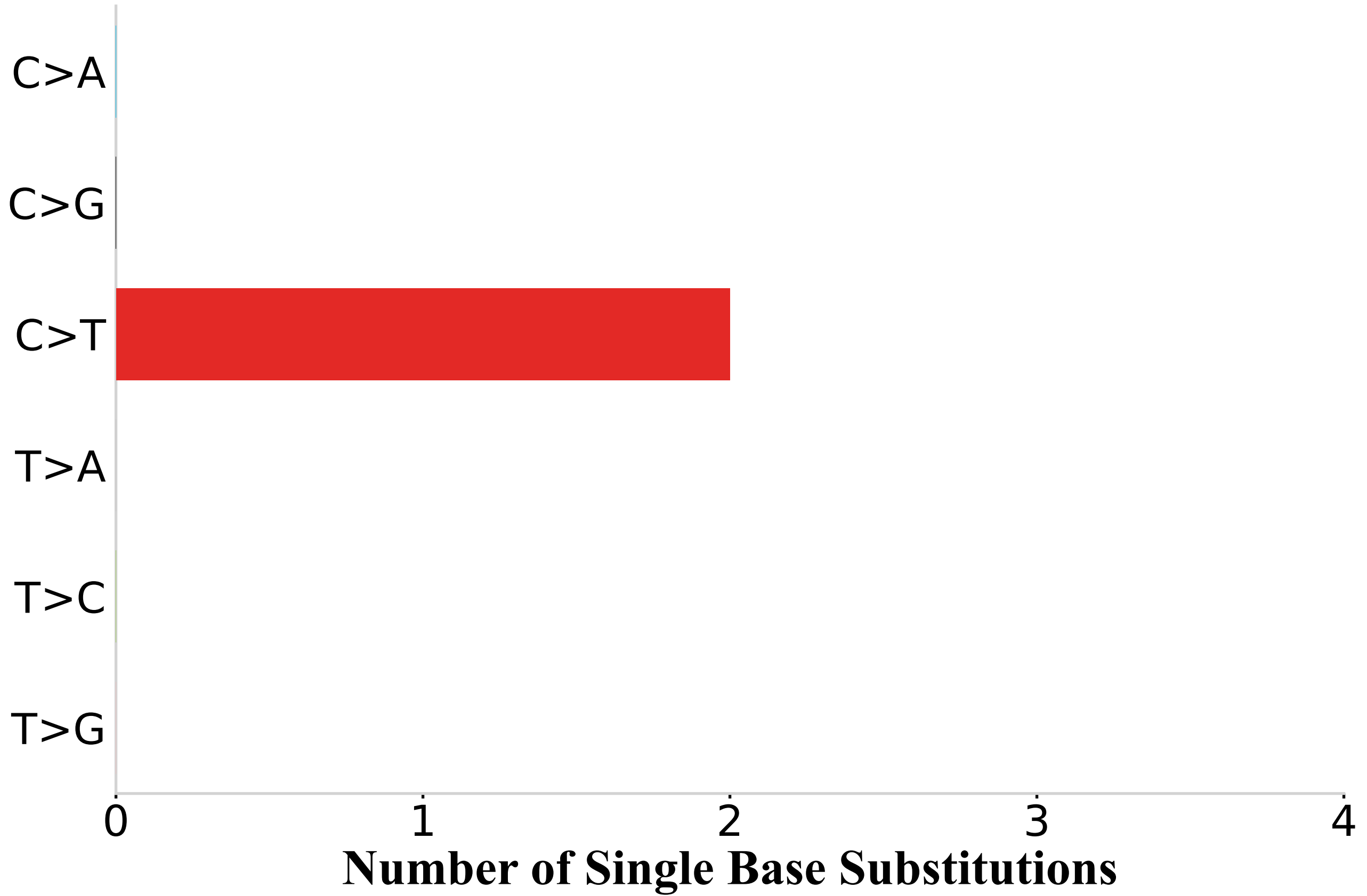
P-0036684-T01-IM6: 1 subs



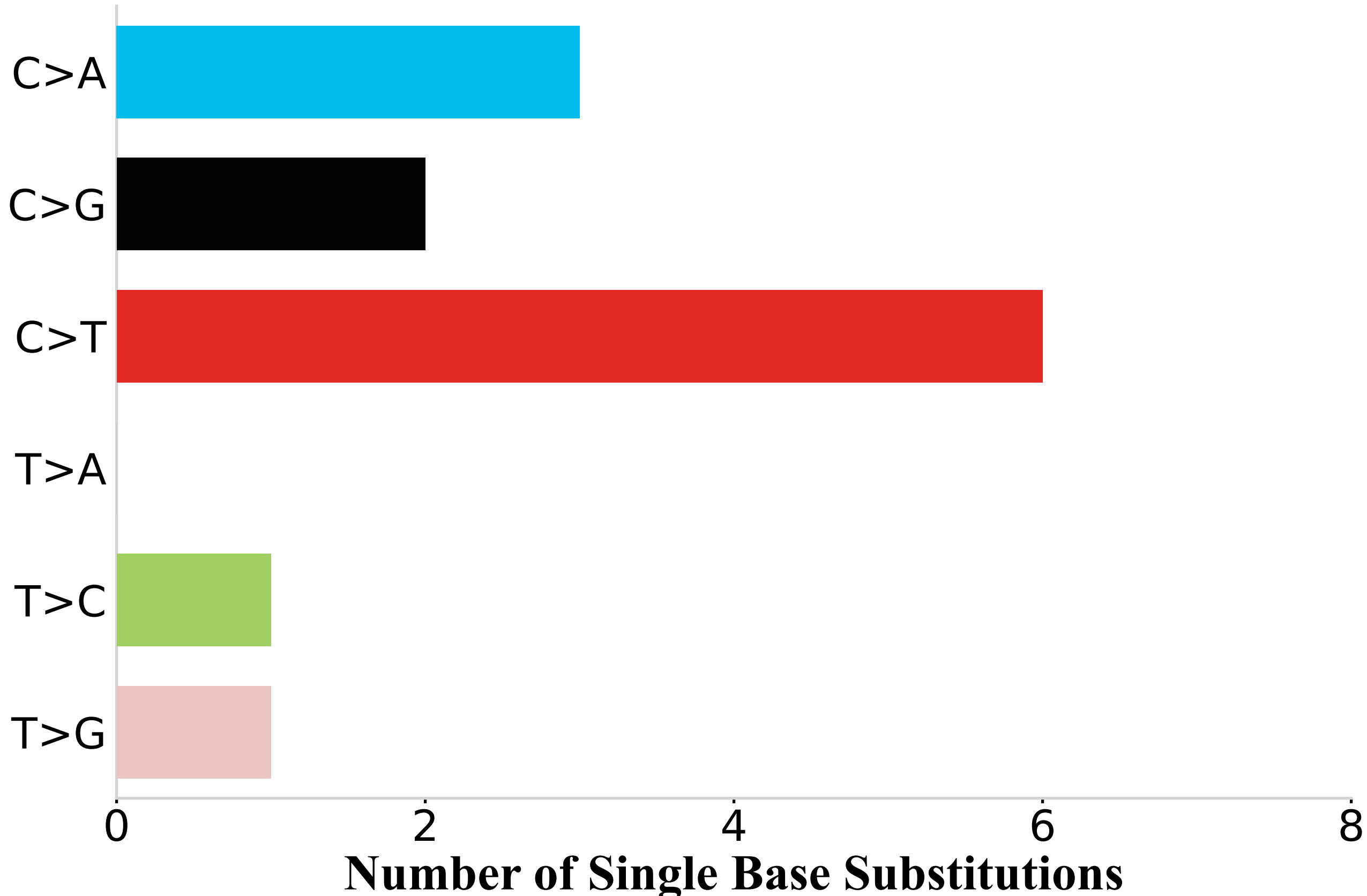
P-0036709-T01-IM6: 4 subs



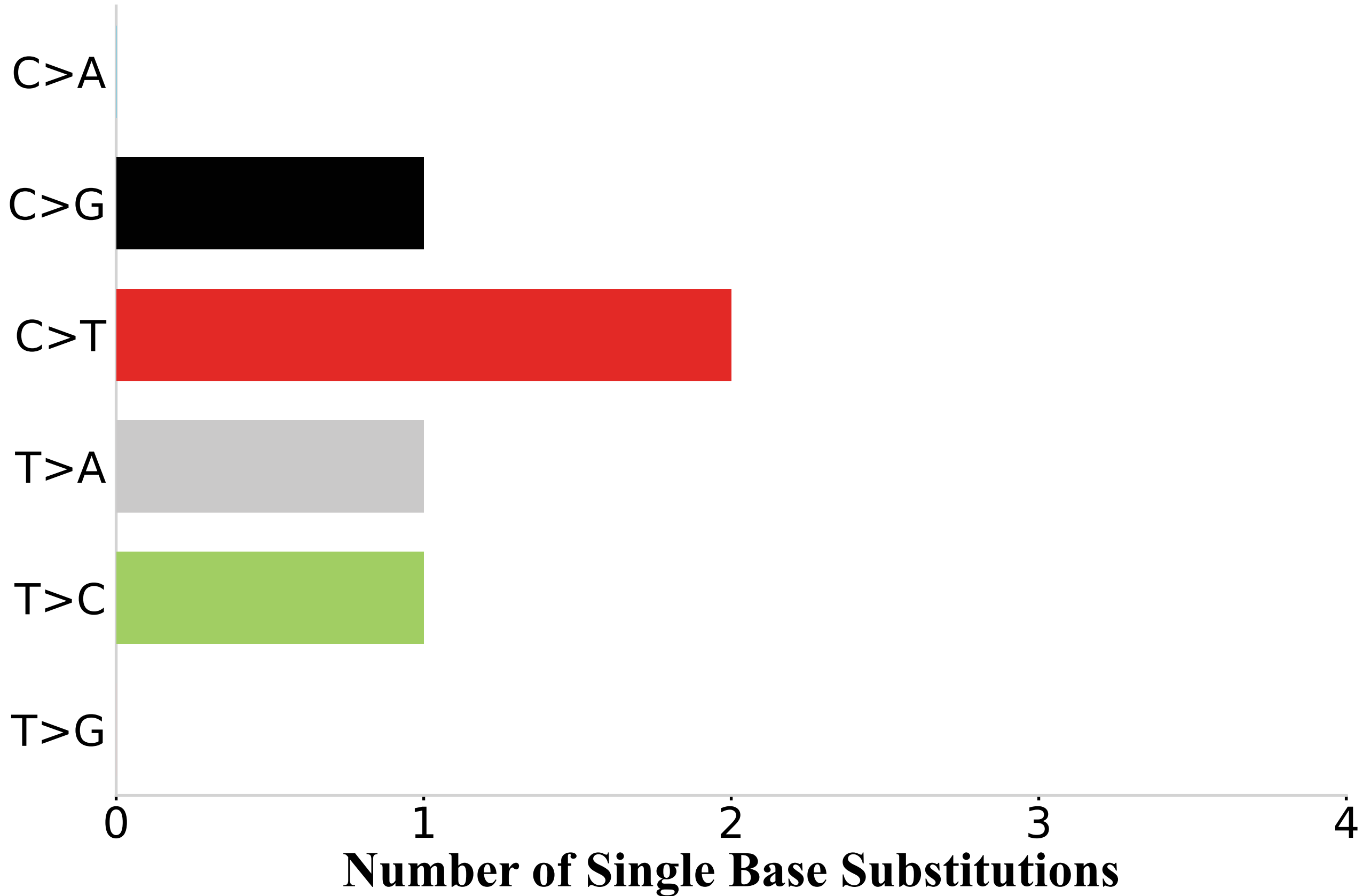
P-0037763-T01-IM6: 2 subs



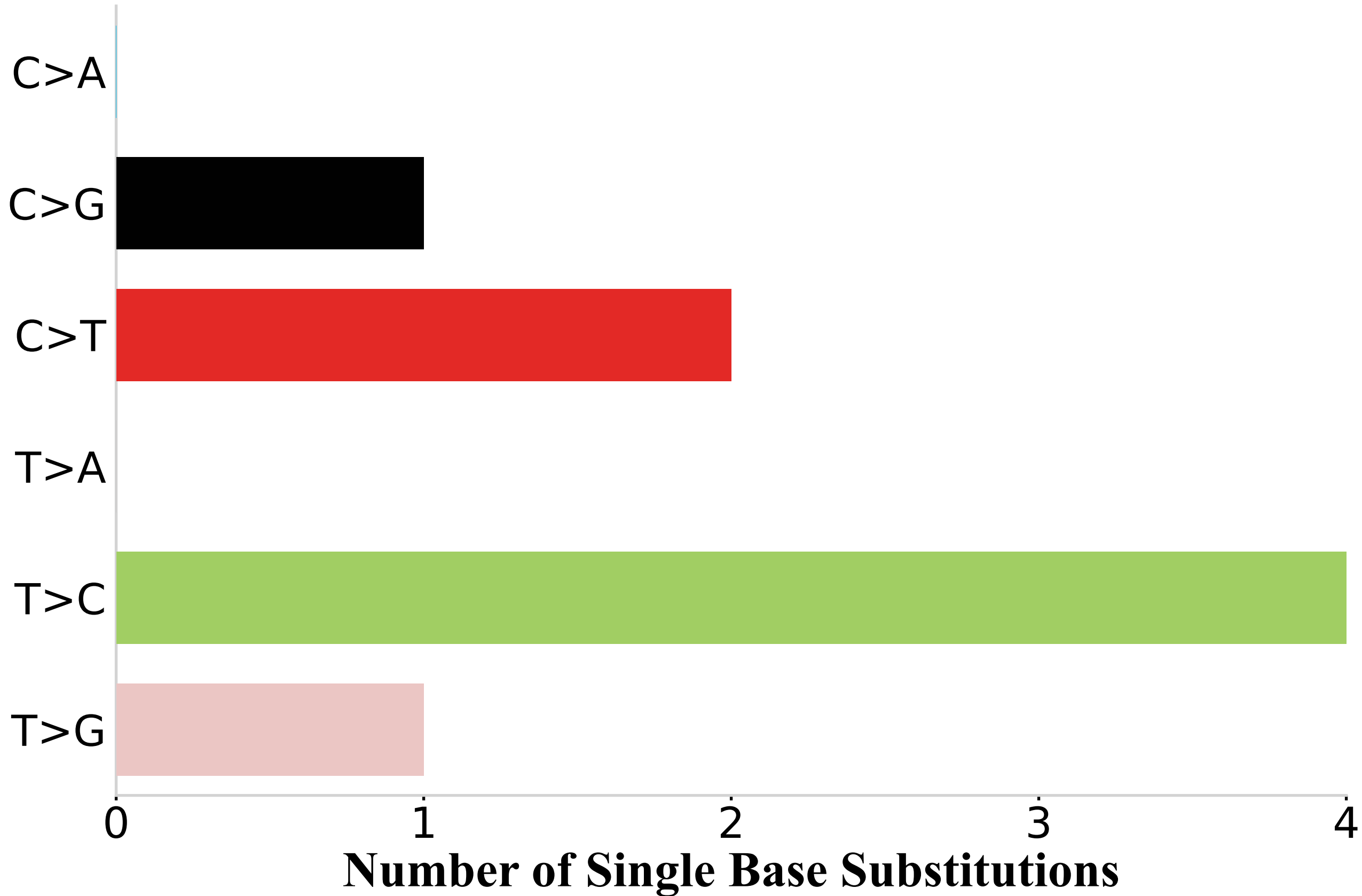
P-0037799-T01-IM6: 13 subs



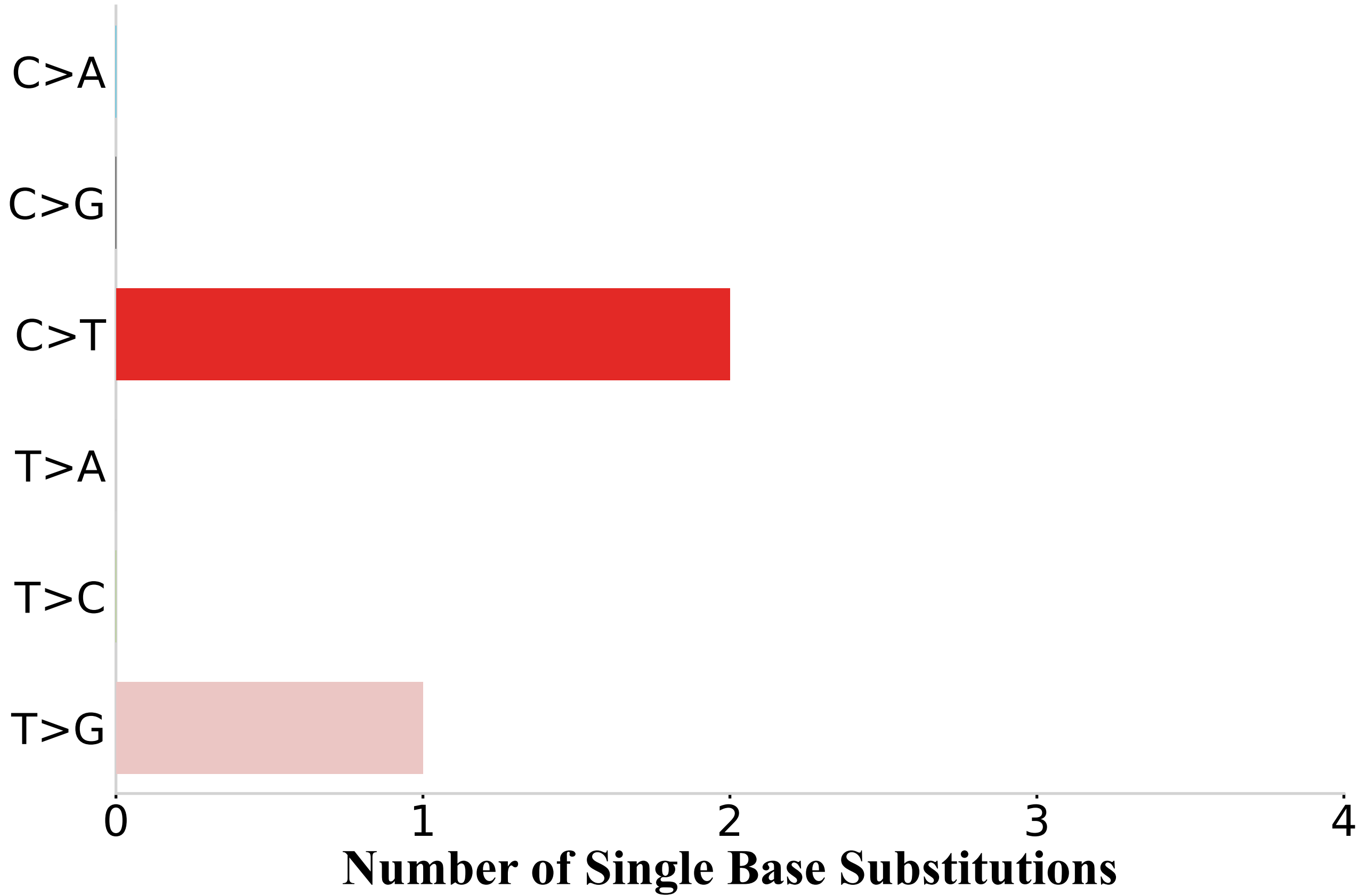
P-0039291-T01-IM6: 5 subs



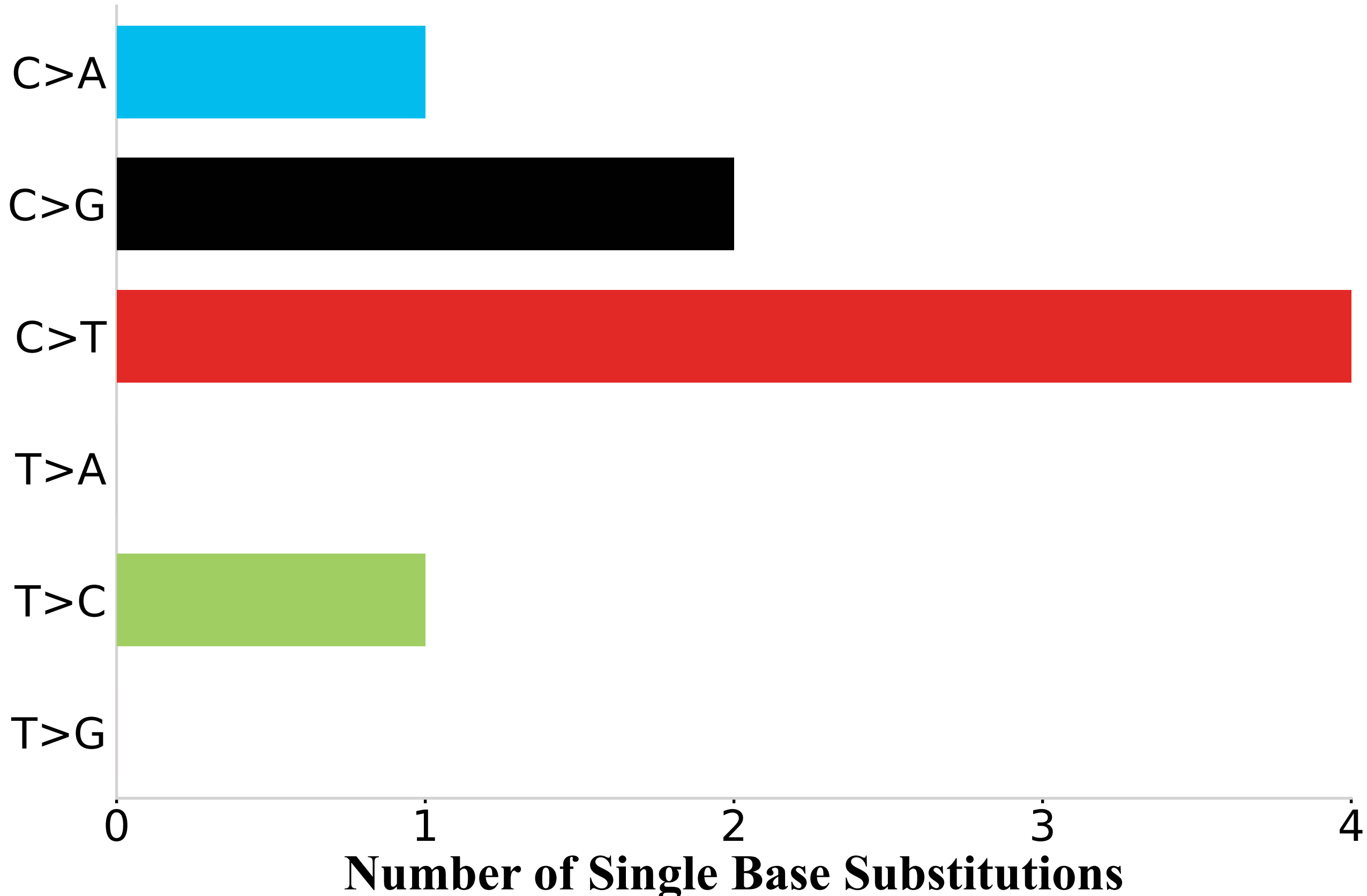
P-0039786-T01-IM6: 8 subs



P-0039789-T01-IM6: 3 subs



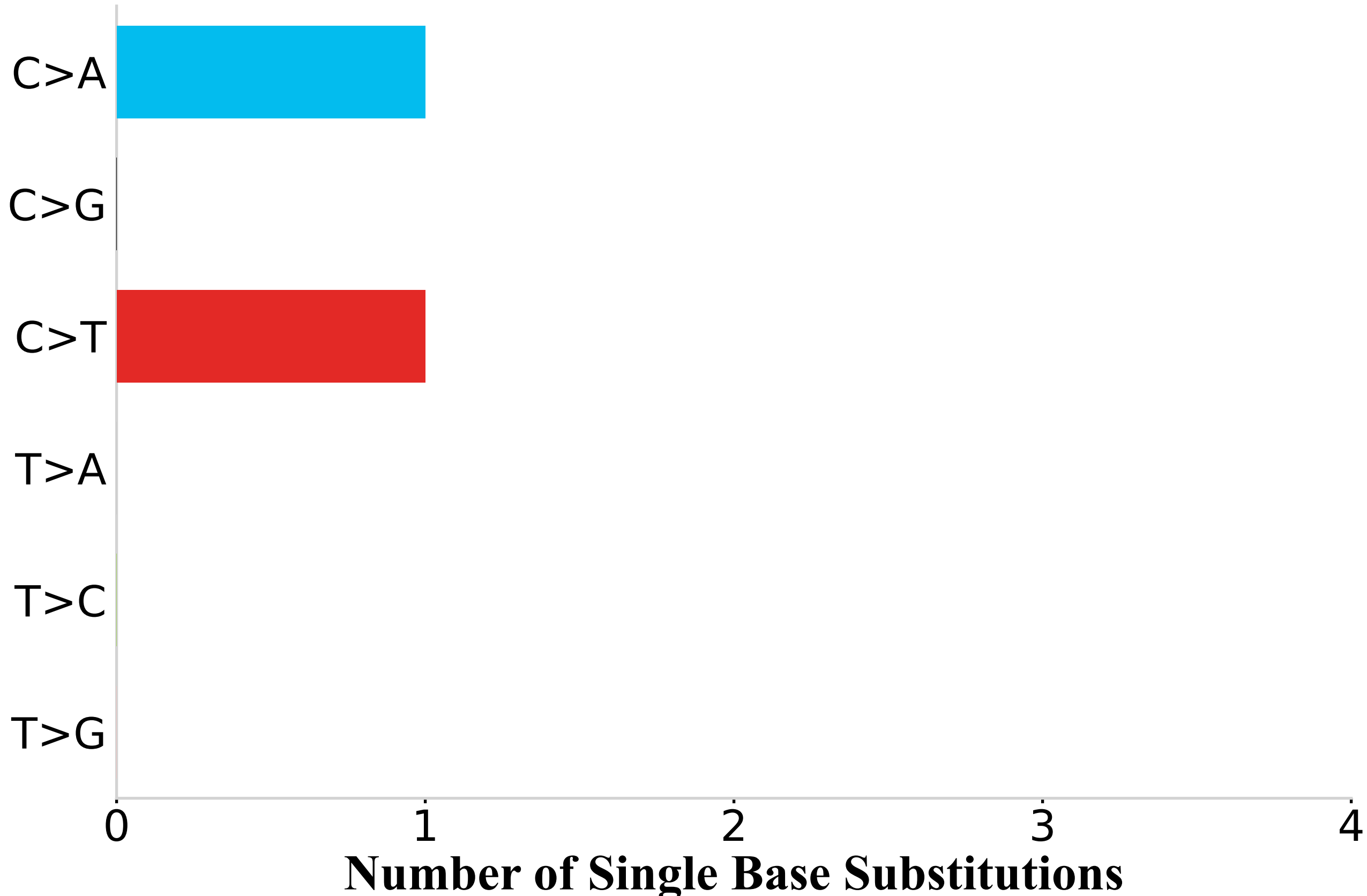
P-0039806-T01-IM6: 8 subs



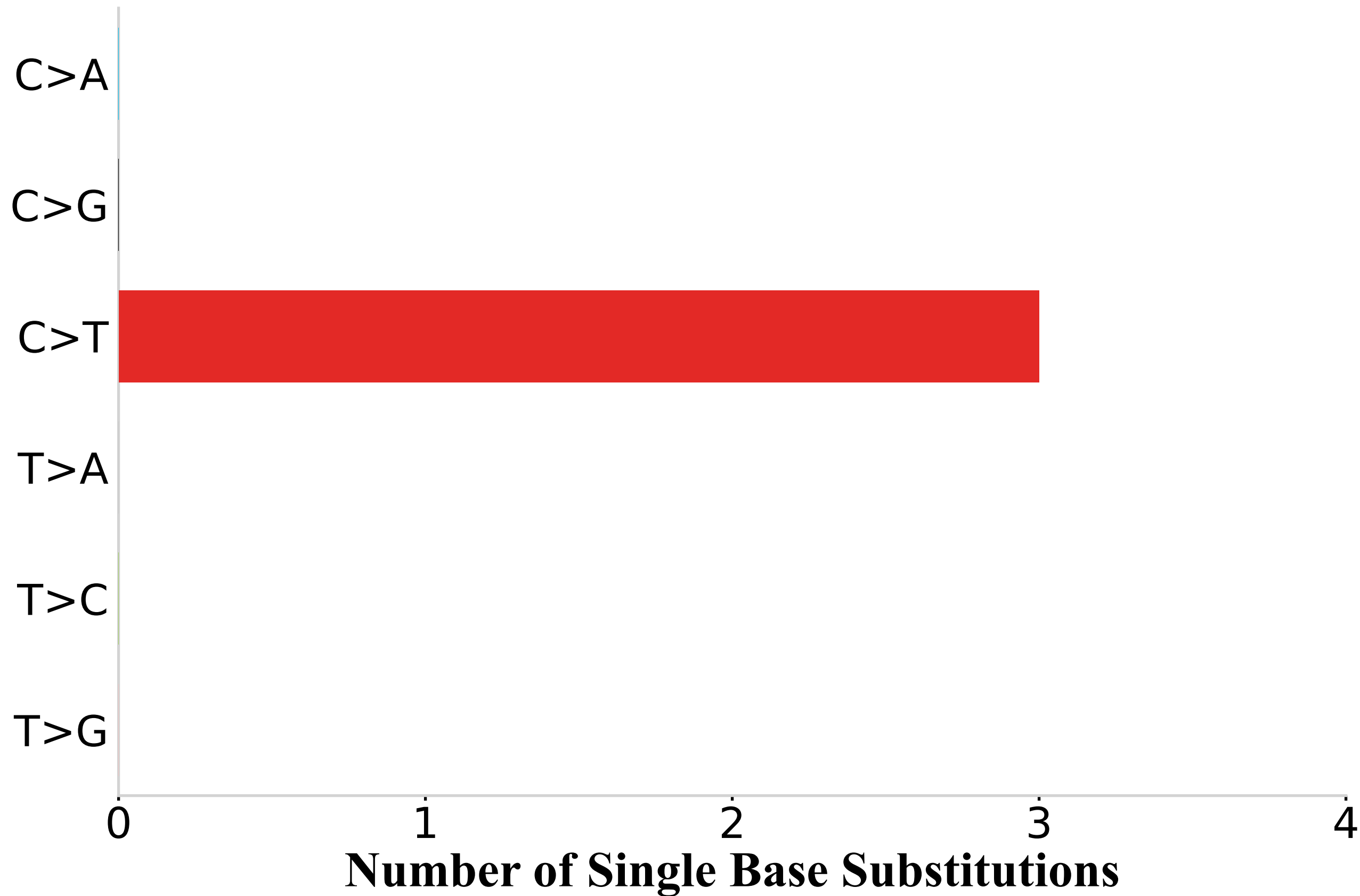
P-0040326-T01-IM6: 2 subs



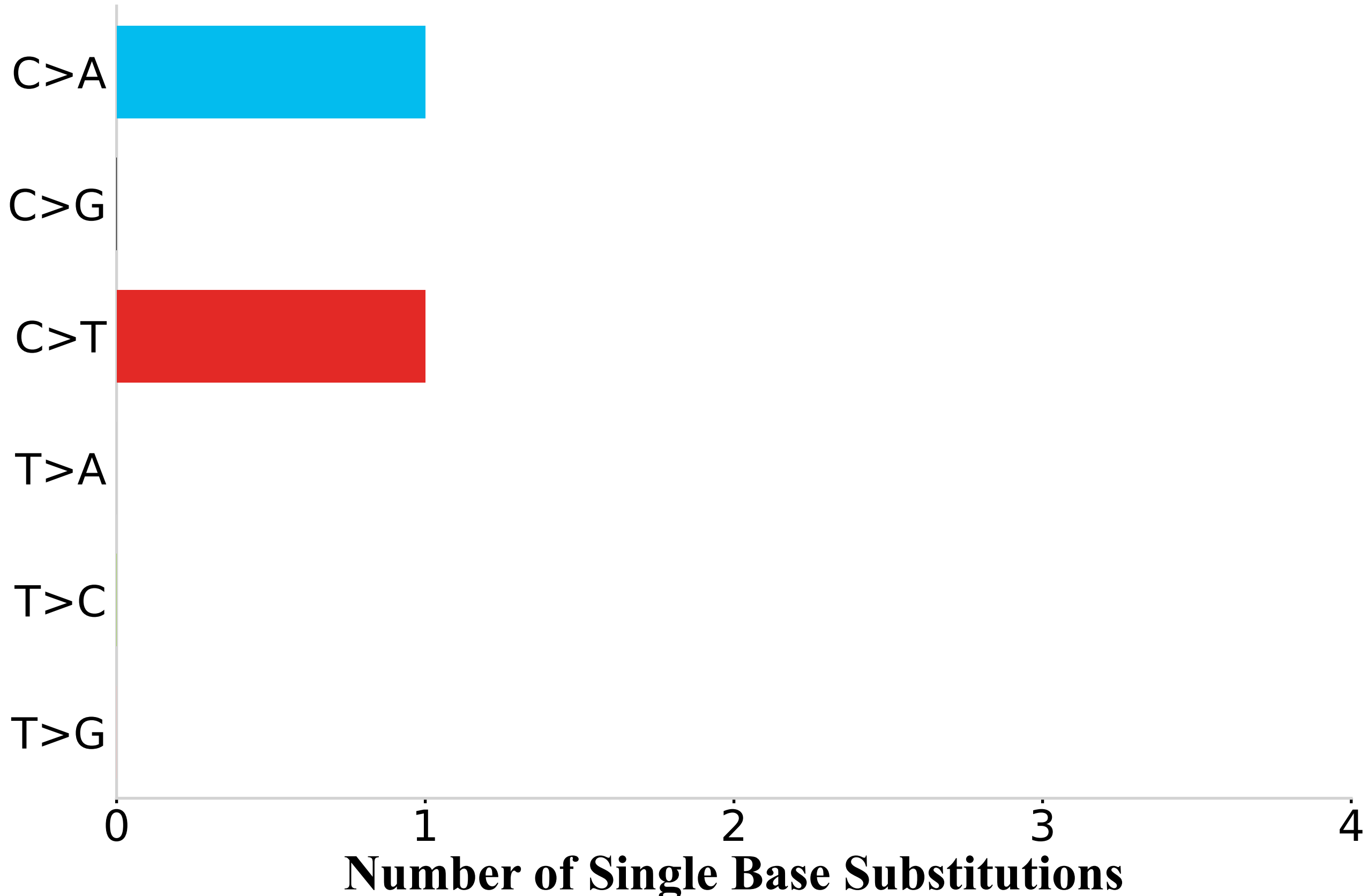
P-0040835-T01-IM6: 2 subs



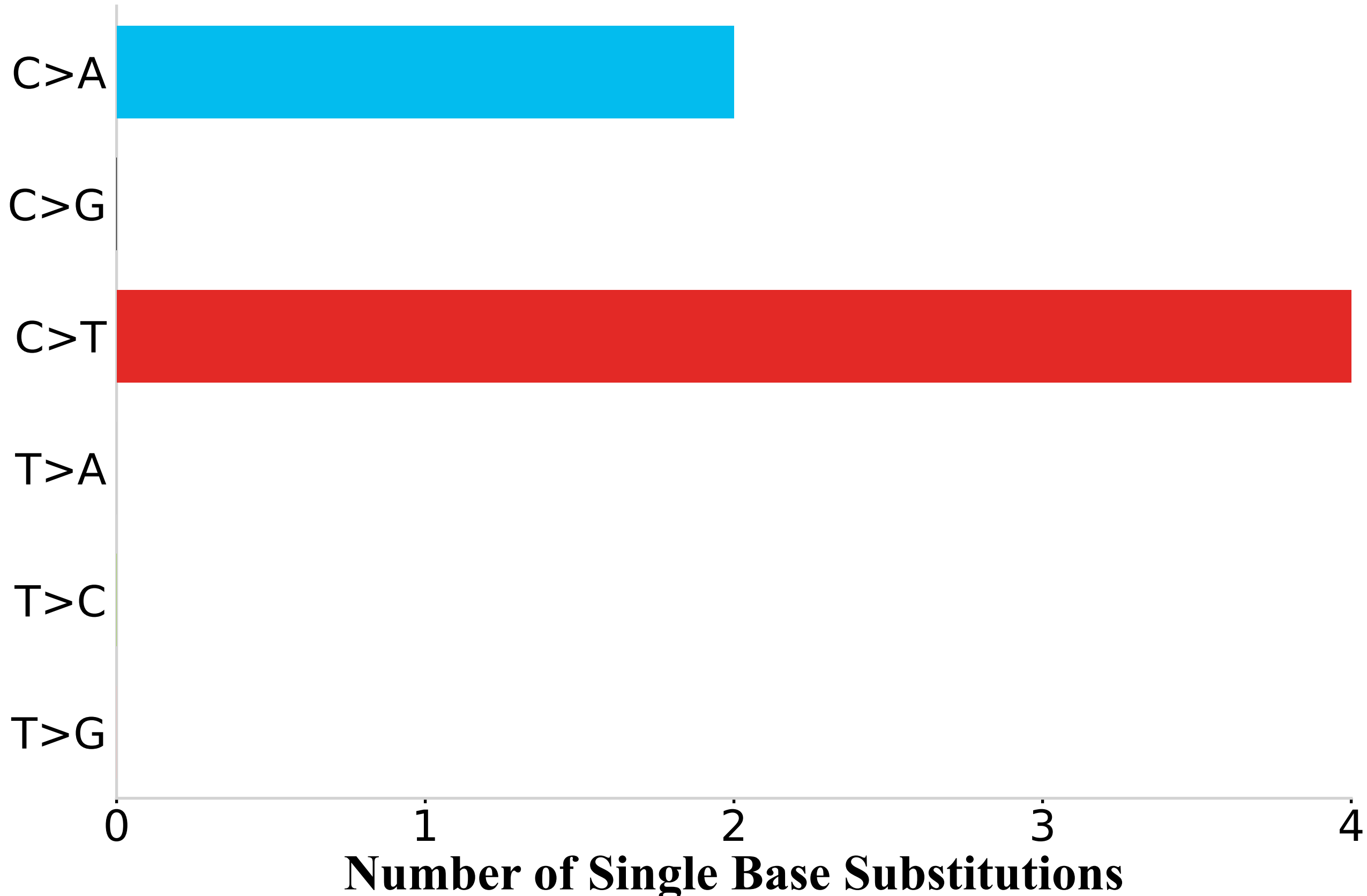
P-0041067-T01-IM6: 3 subs



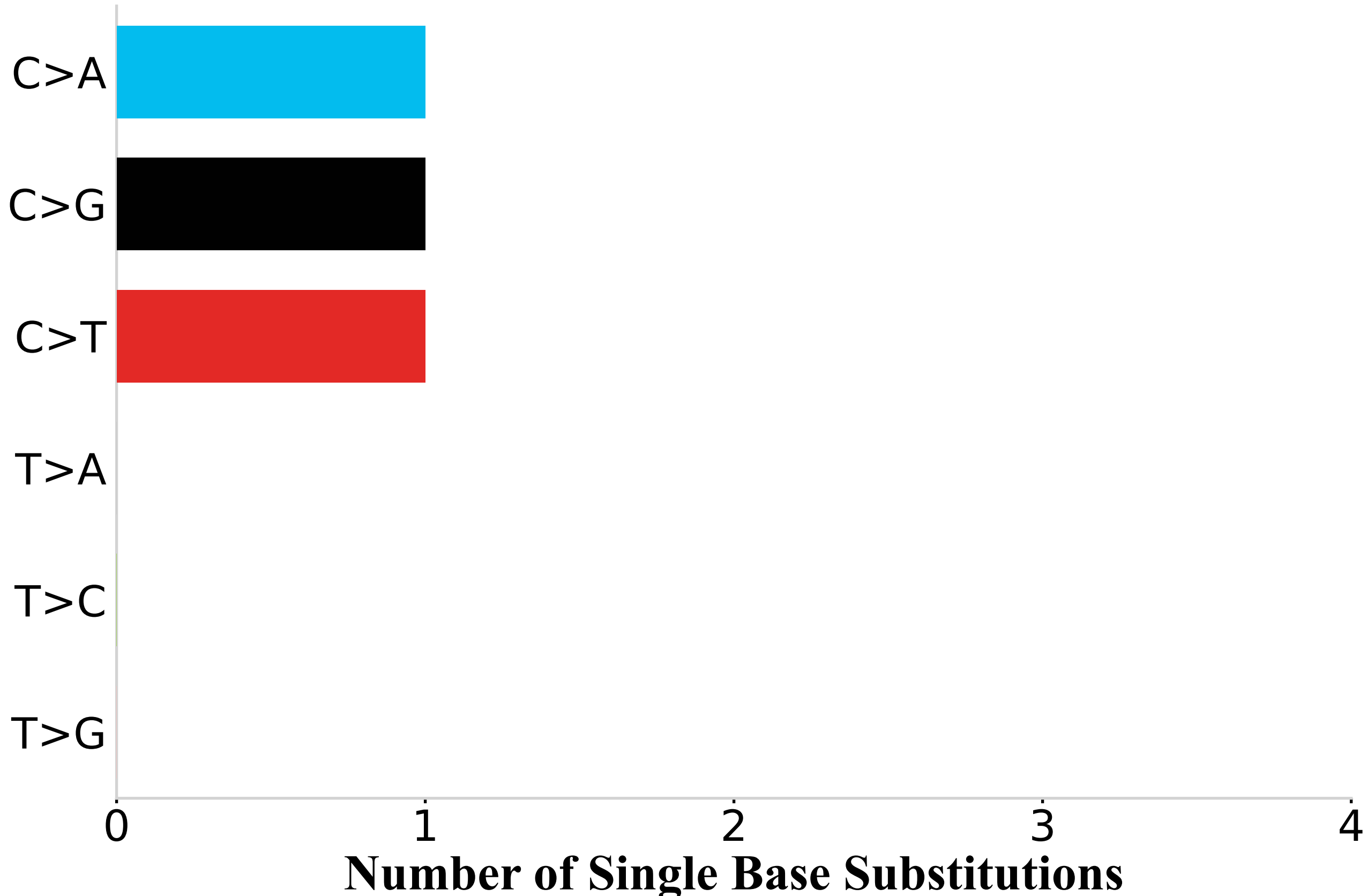
P-0041832-T01-IM6: 2 subs



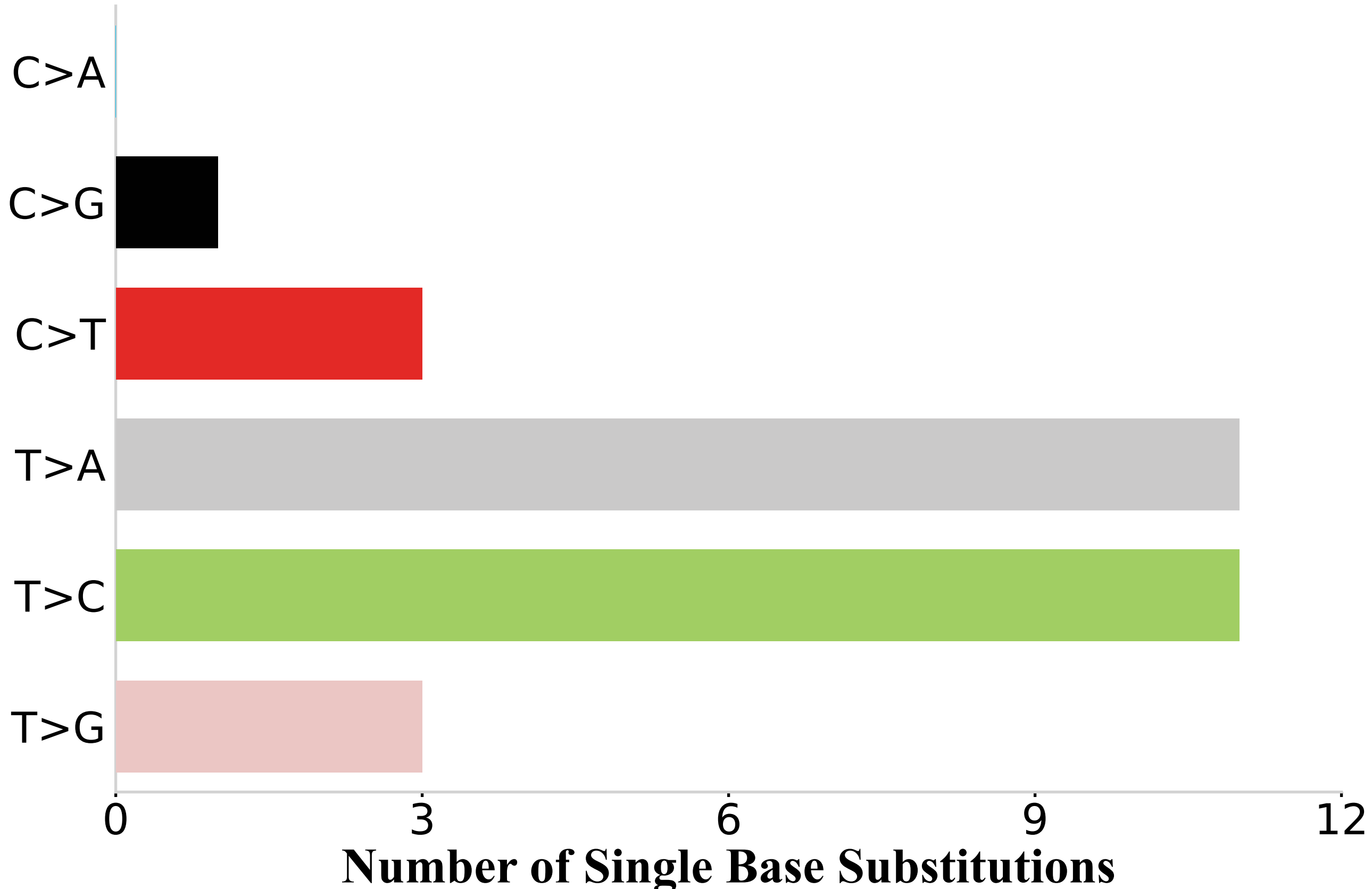
P-0042016-T01-IM6: 6 subs



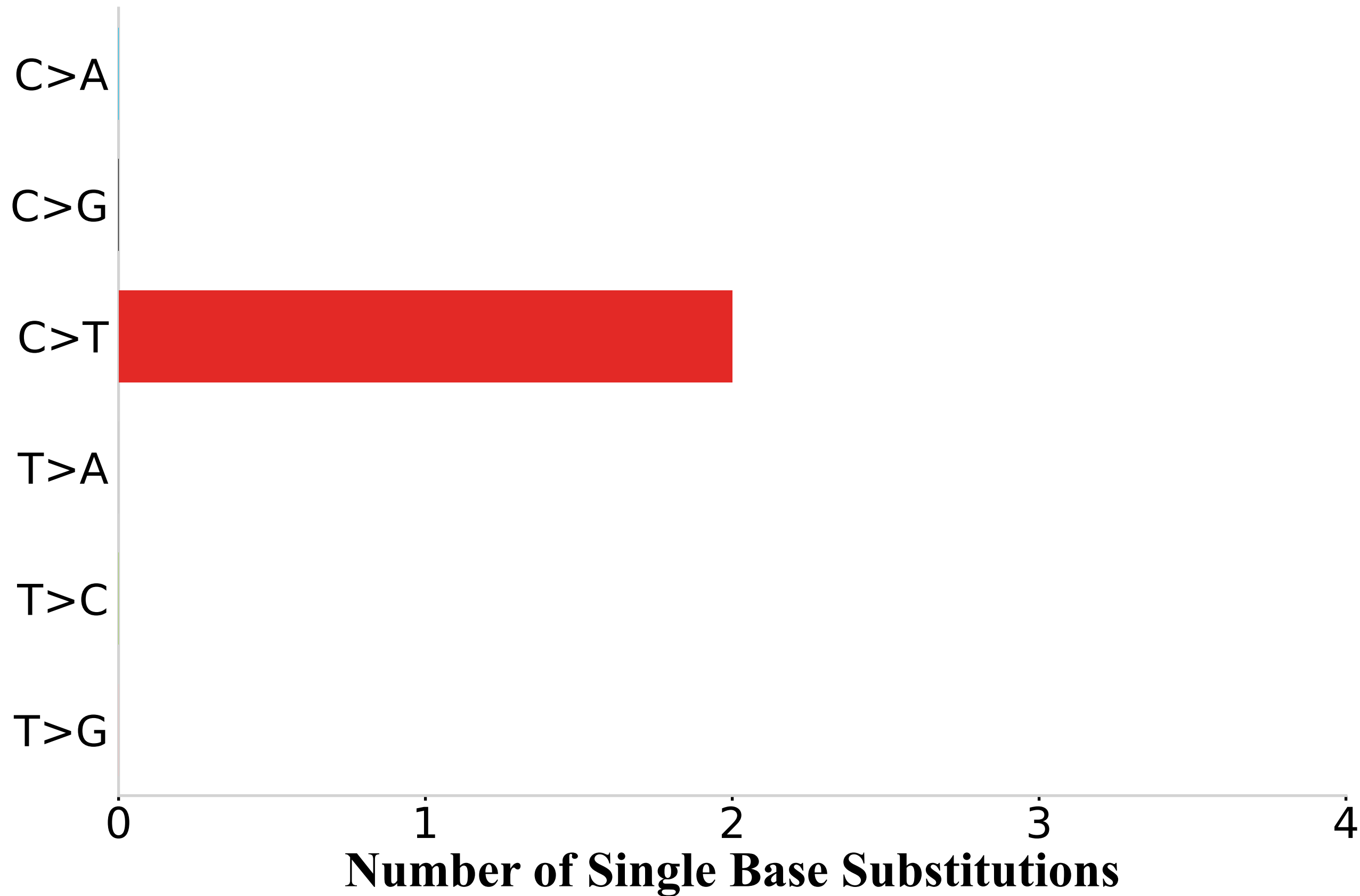
P-0042328-T01-IM6: 3 subs



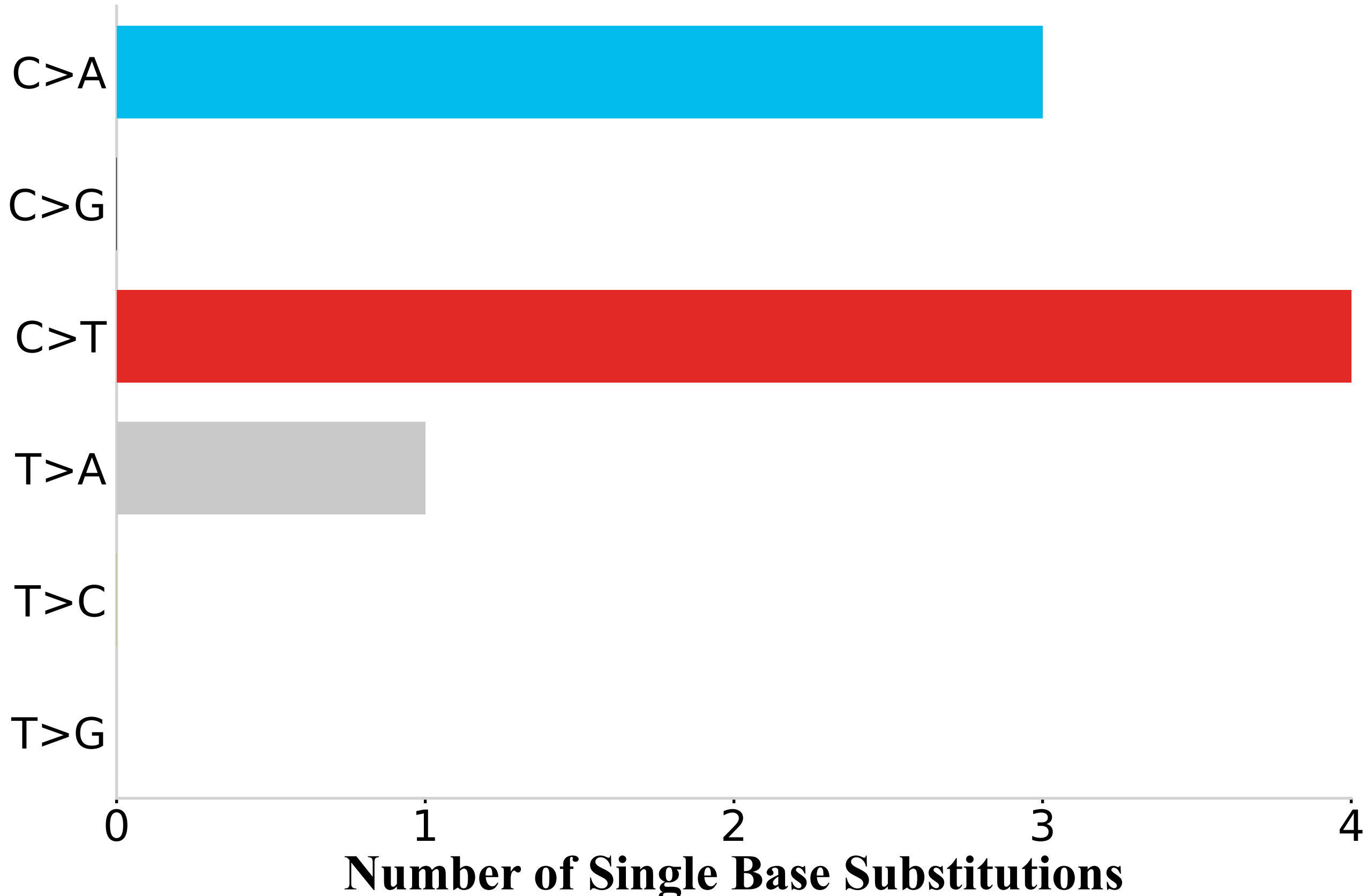
P-0042507-T01-IM6: 29 subs



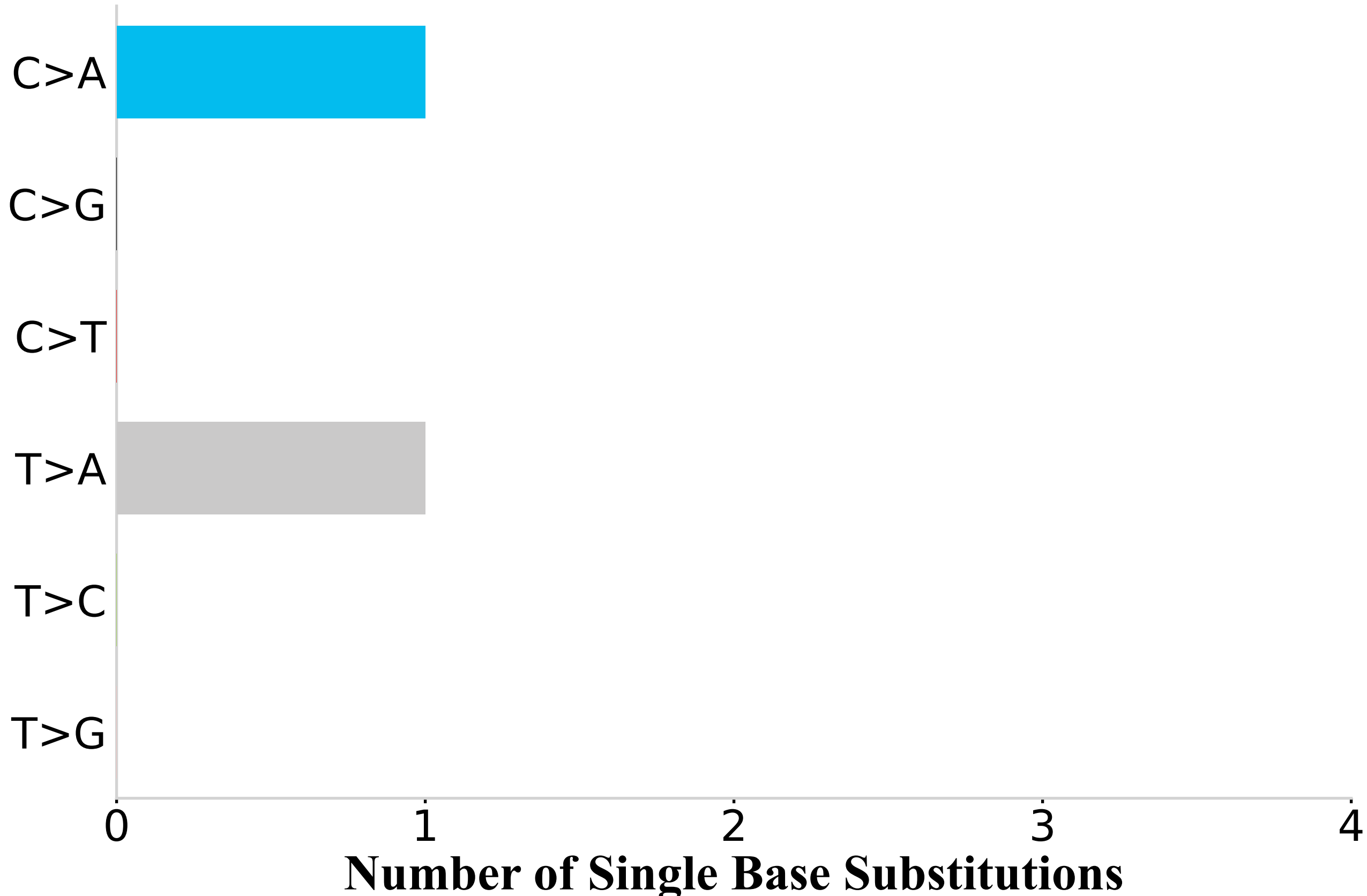
P-0042589-T01-IM6: 2 subs



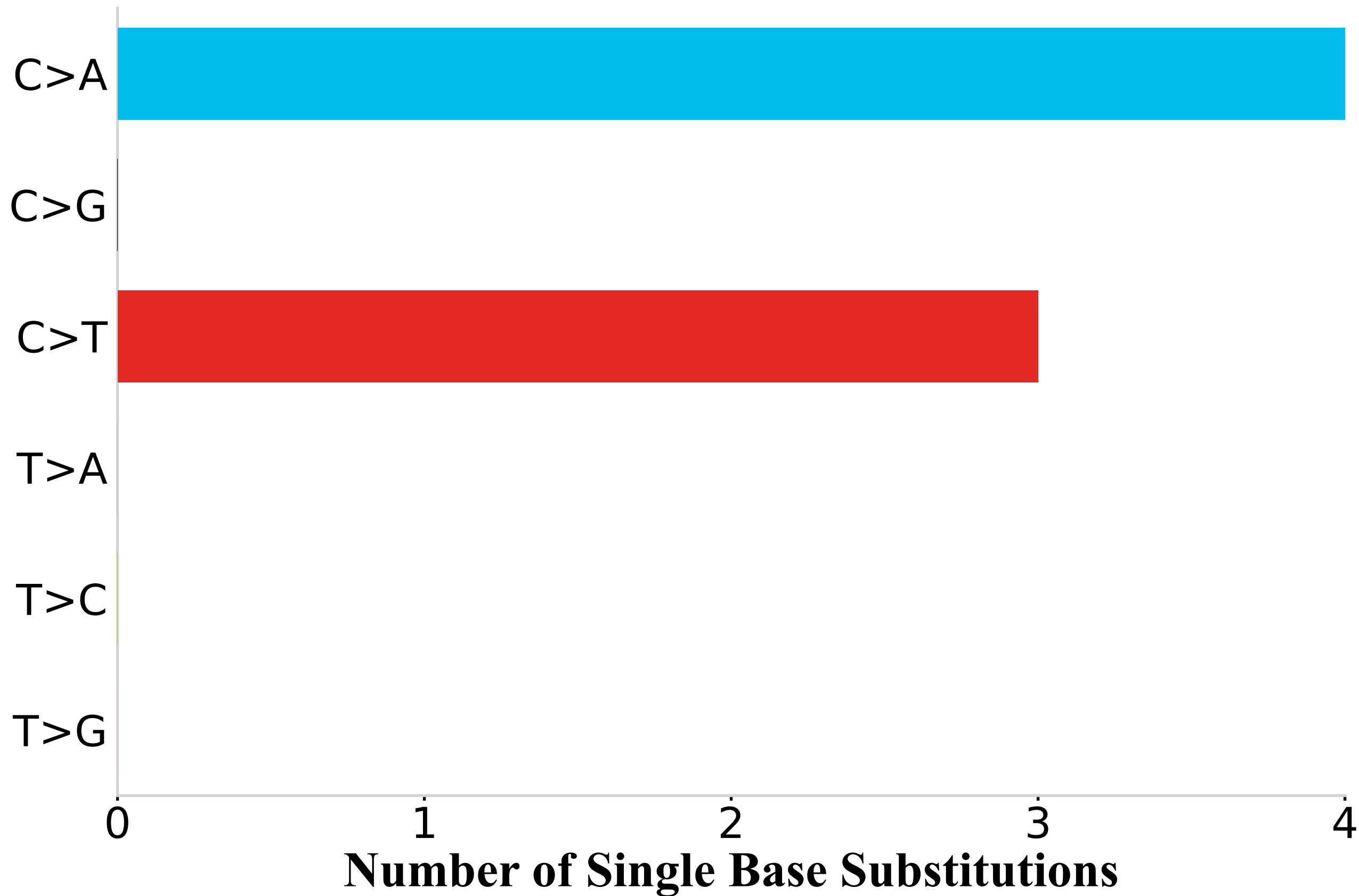
P-0043959-T01-IM6: 8 subs



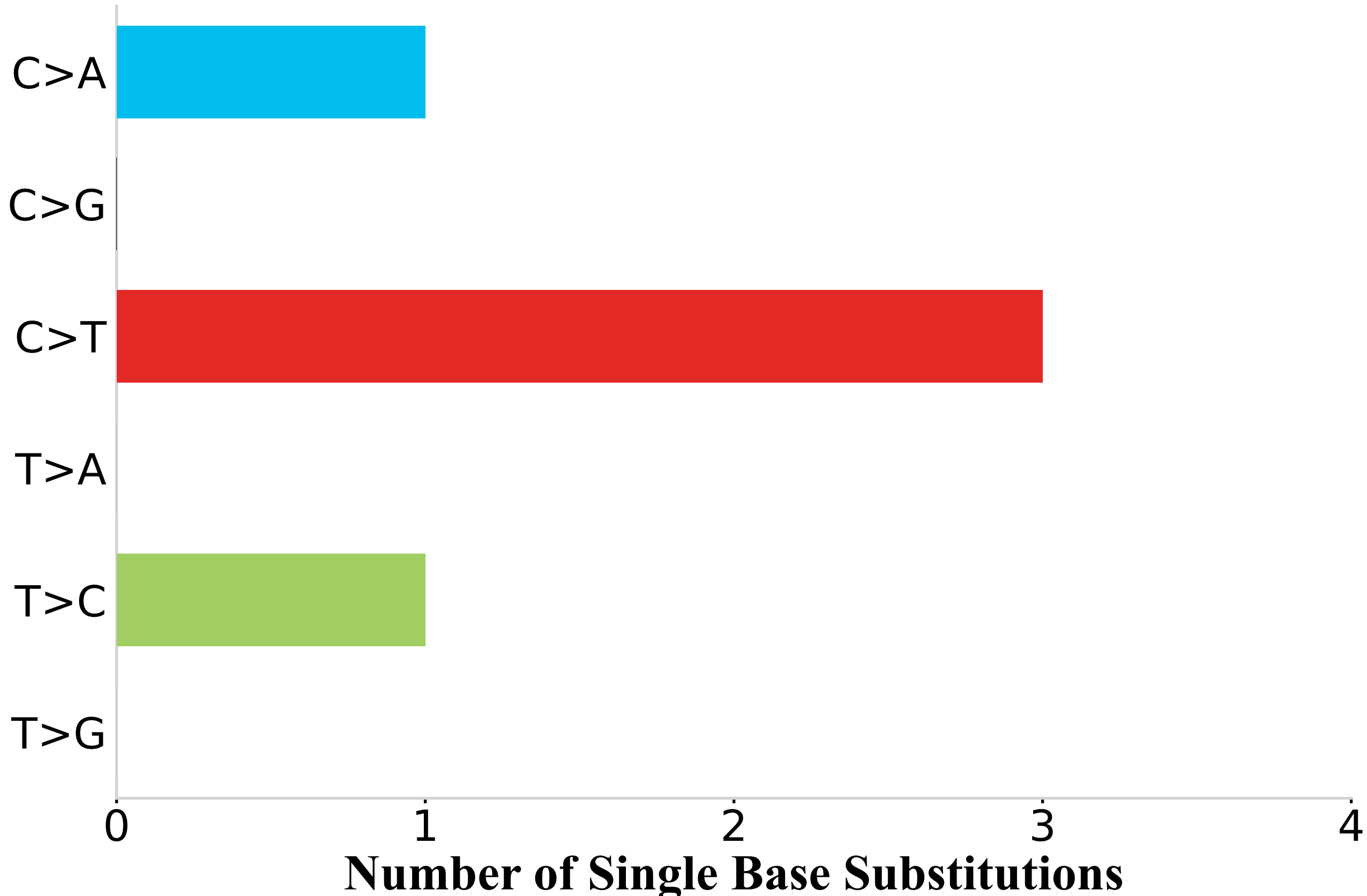
P-0044842-T01-IM6: 2 subs



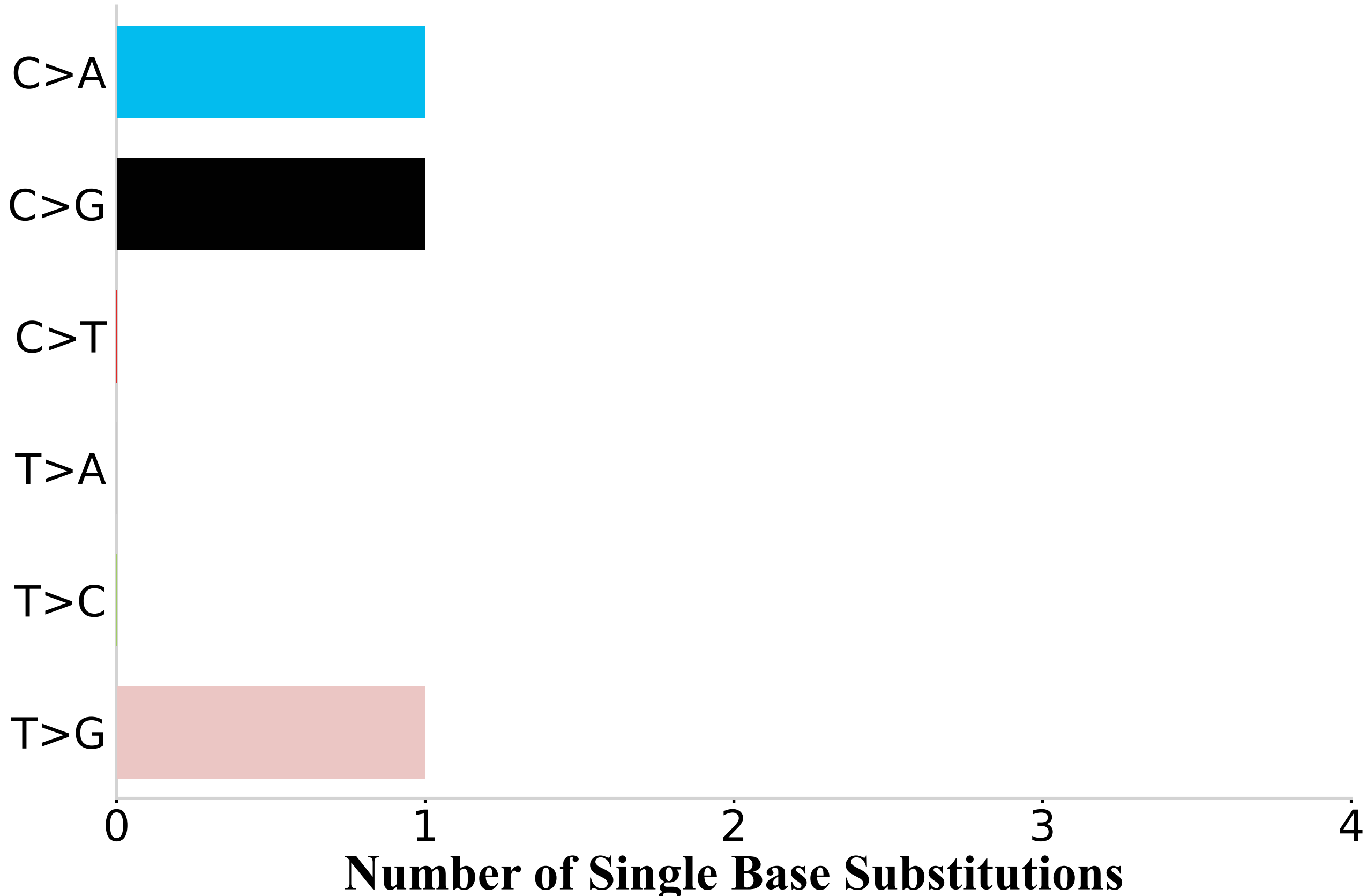
P-0045706-T01-IM6: 7 subs



P-0045819-T01-IM6: 5 subs



P-0045994-T01-IM6: 3 subs



P-0046005-T01-IM6: 6 subs

C>A

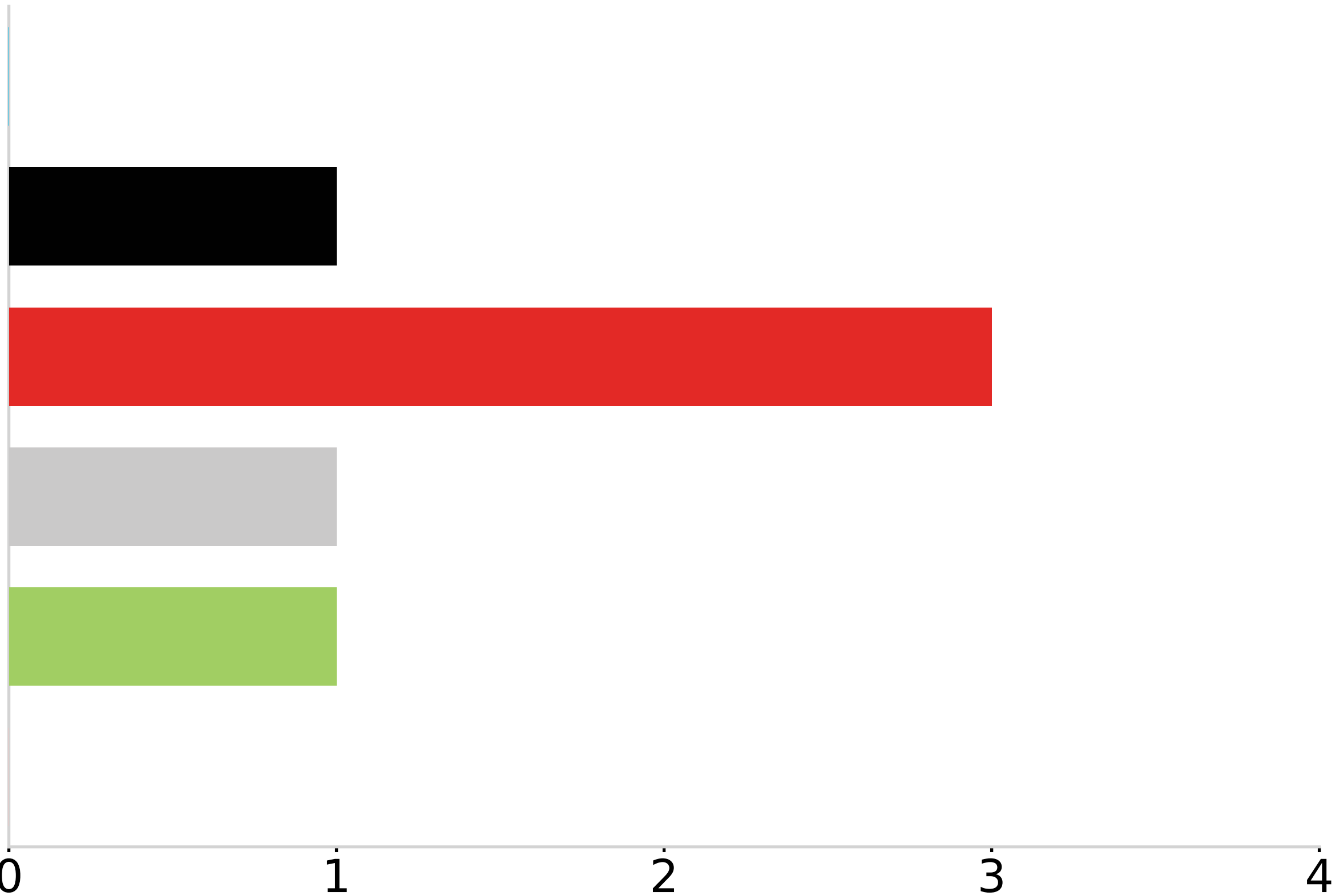
C>G

C>T

T>A

T>C

T>G



Number of Single Base Substitutions

P-0046225-T01-IM6: 4 subs

C>A

C>G

C>T

T>A

T>C

T>G

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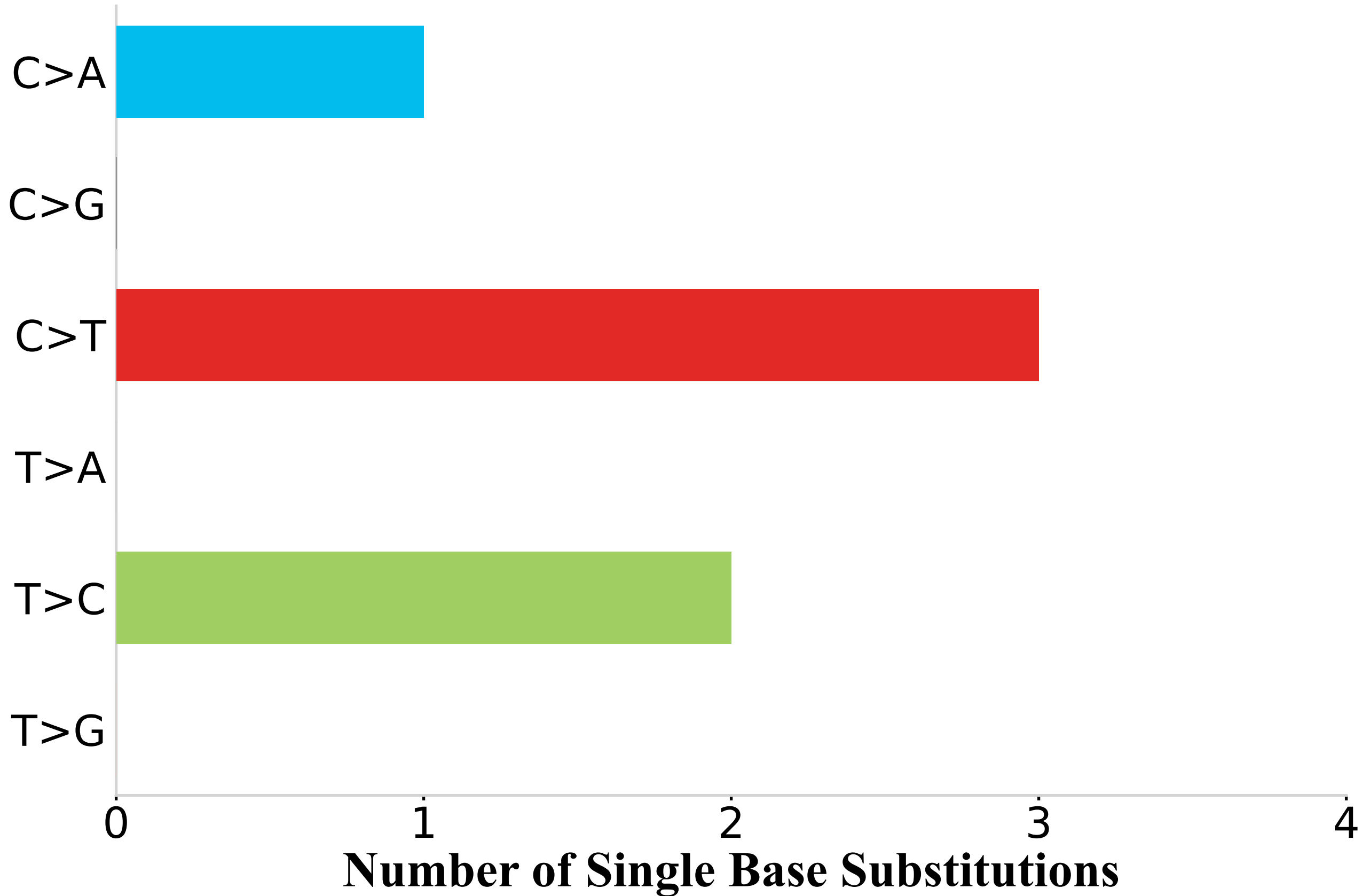
3

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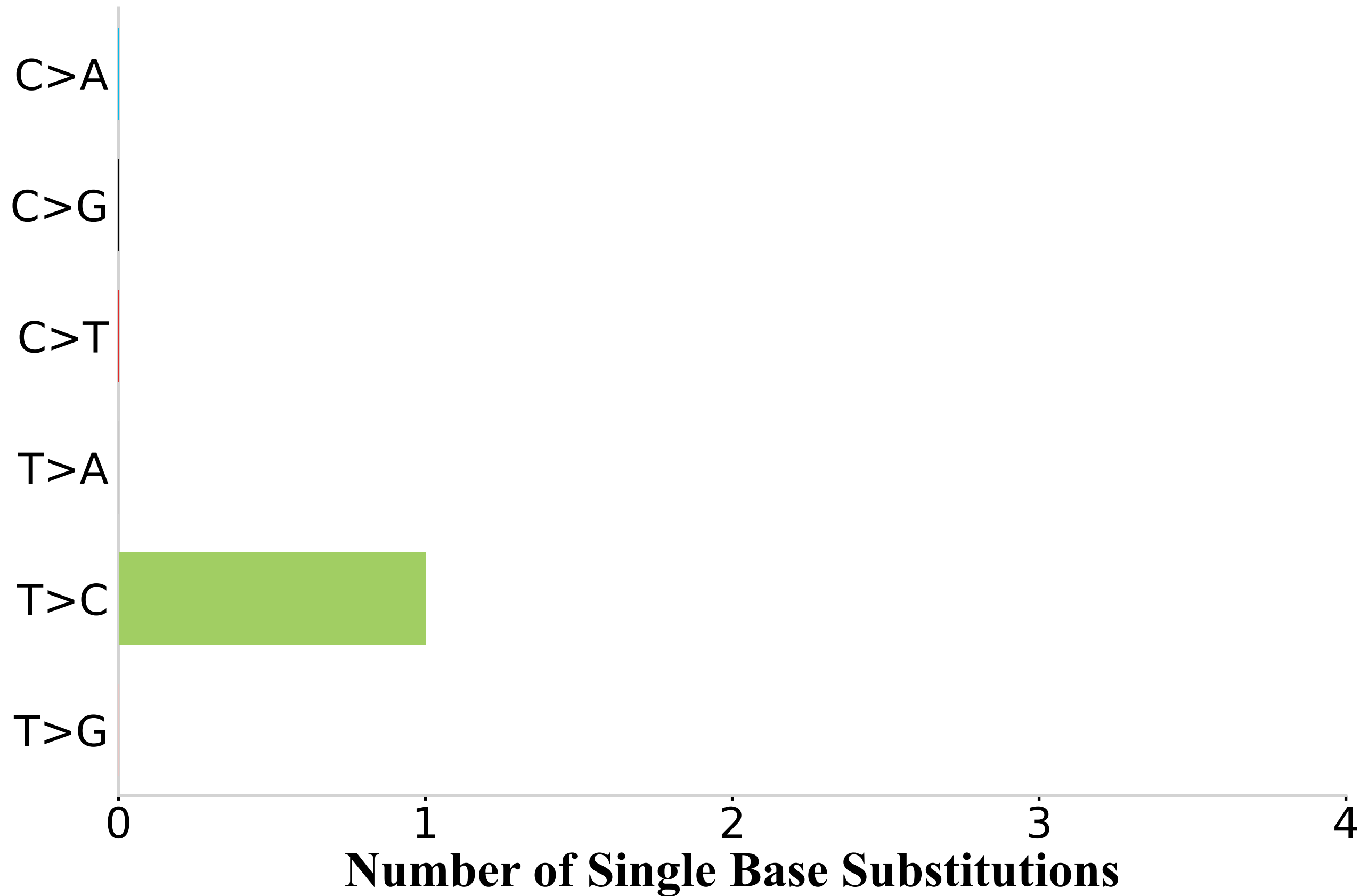
Number of Single Base Substitutions



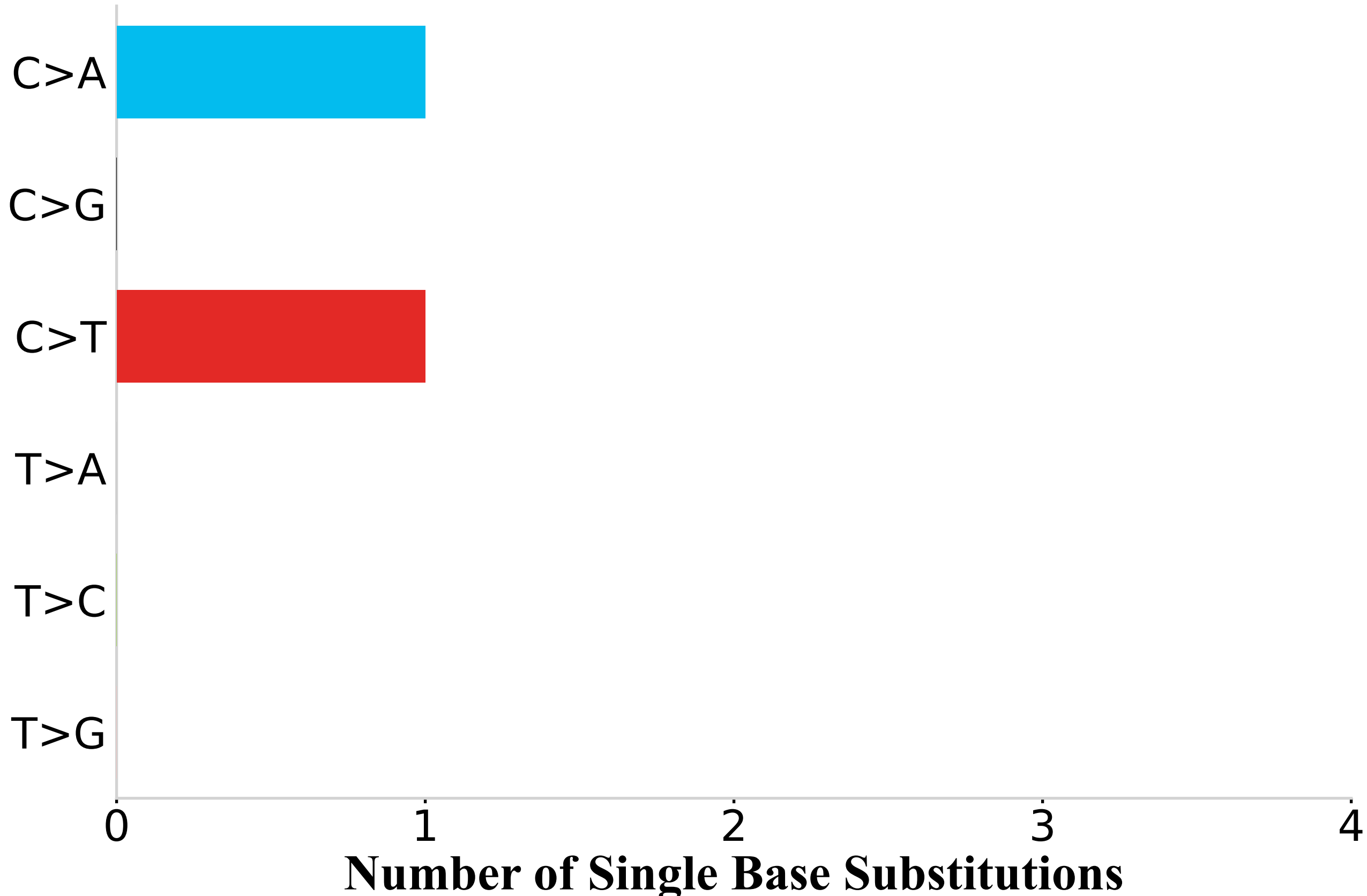
P-0046777-T01-IM6: 6 subs



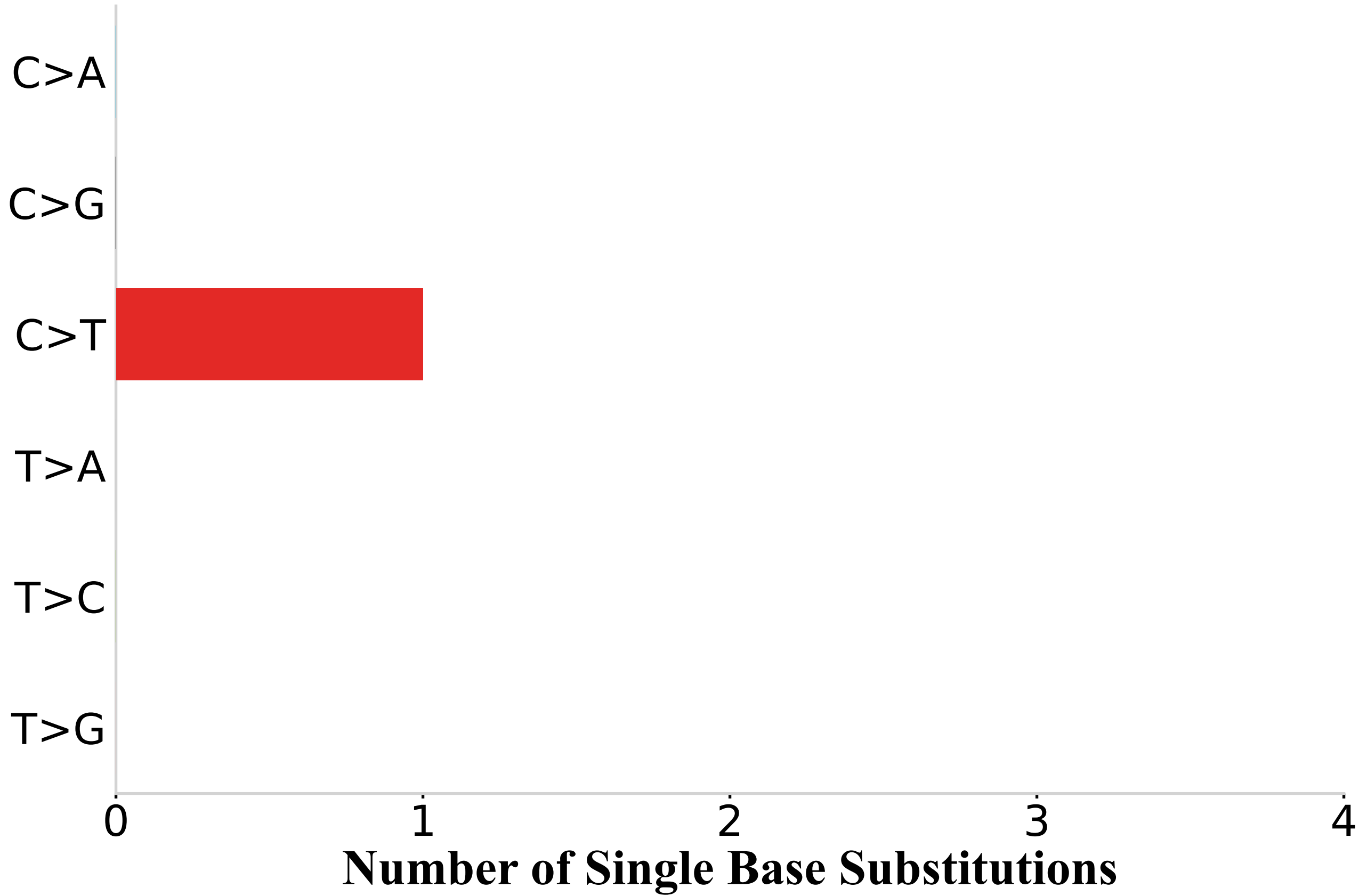
P-0046790-T01-IM6: 1 subs



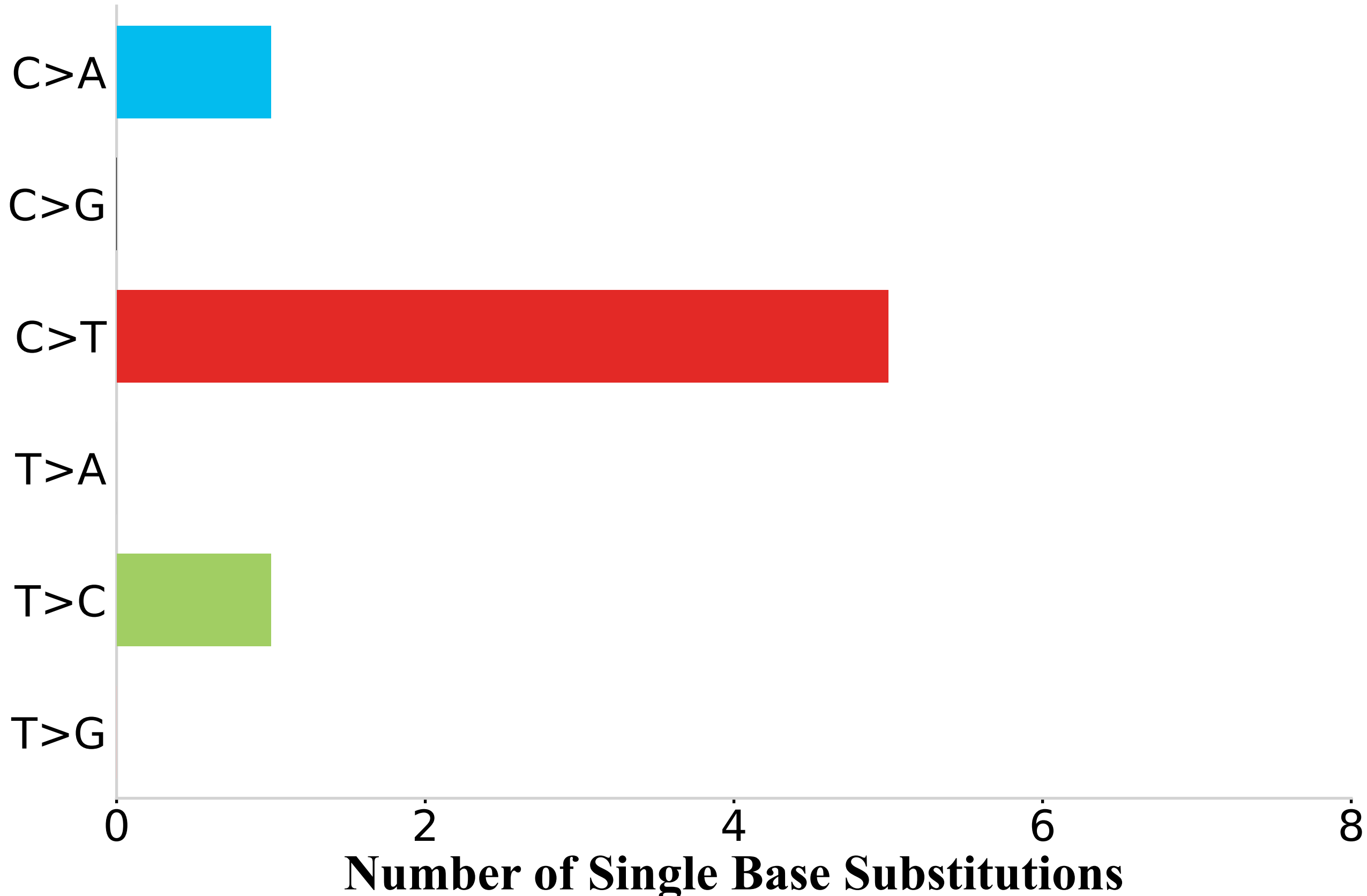
P-0047241-T01-IM6: 2 subs



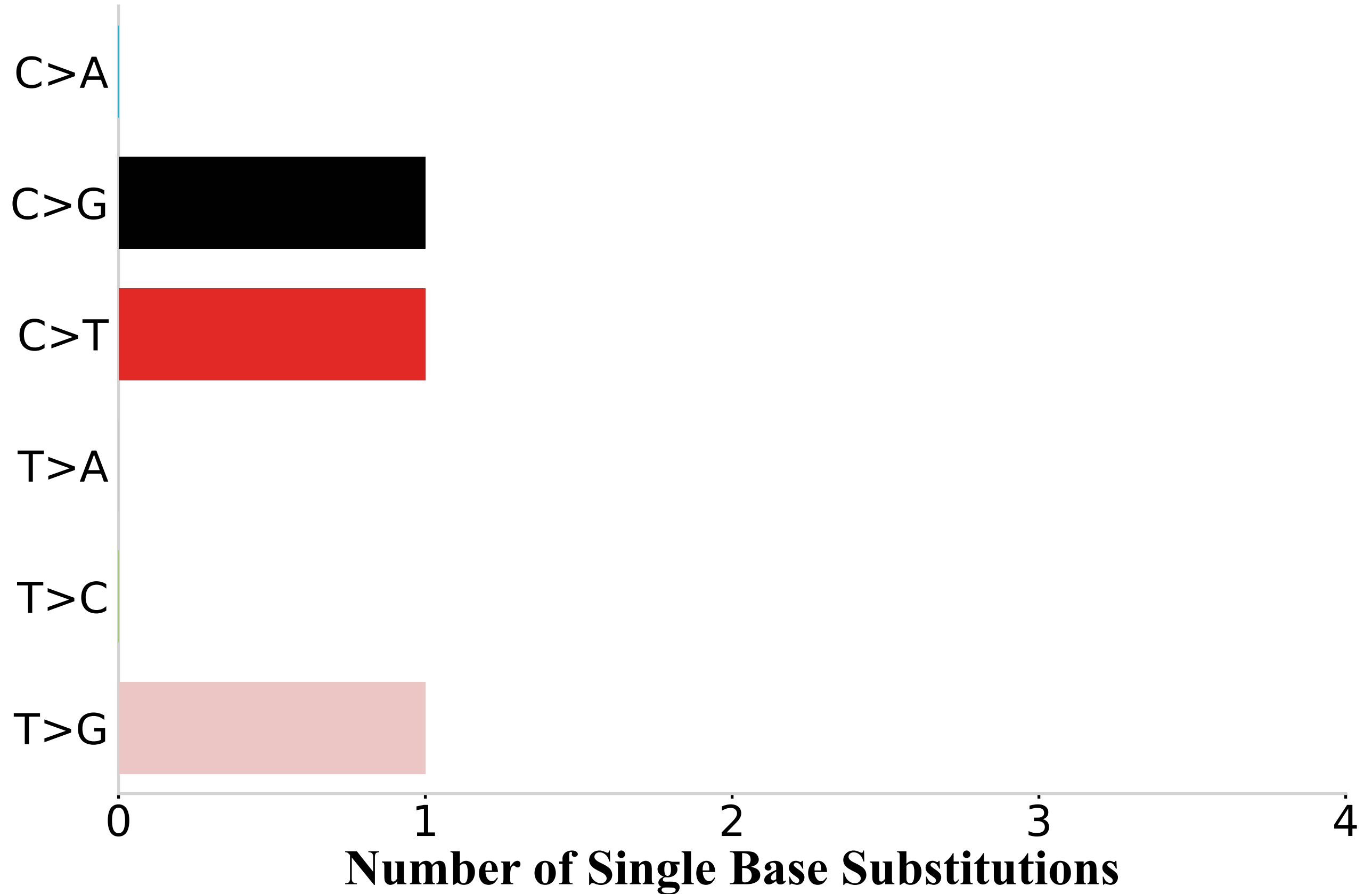
P-0047805-T01-IM6: 1 subs



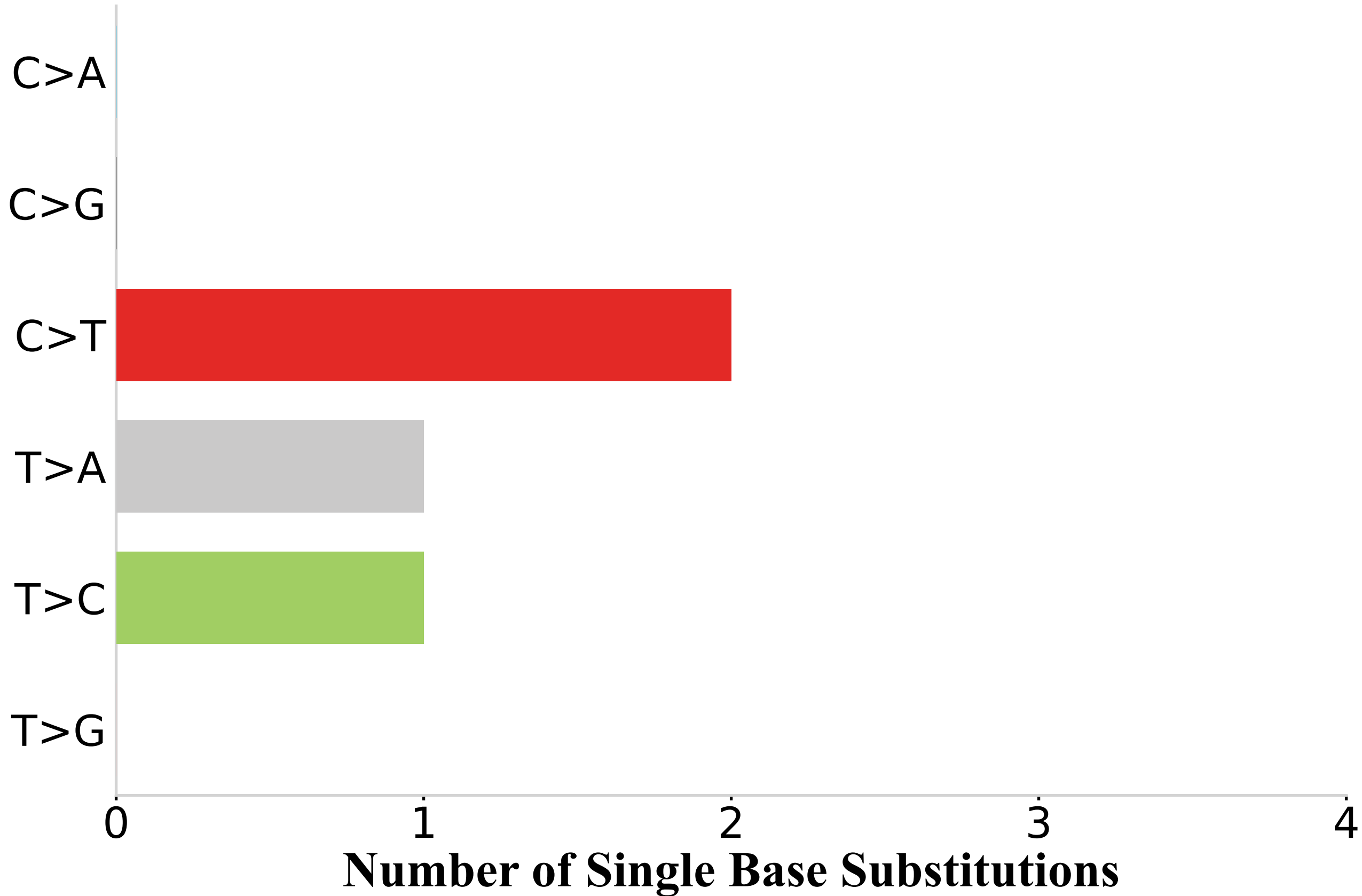
P-0047817-T01-IM6: 7 subs



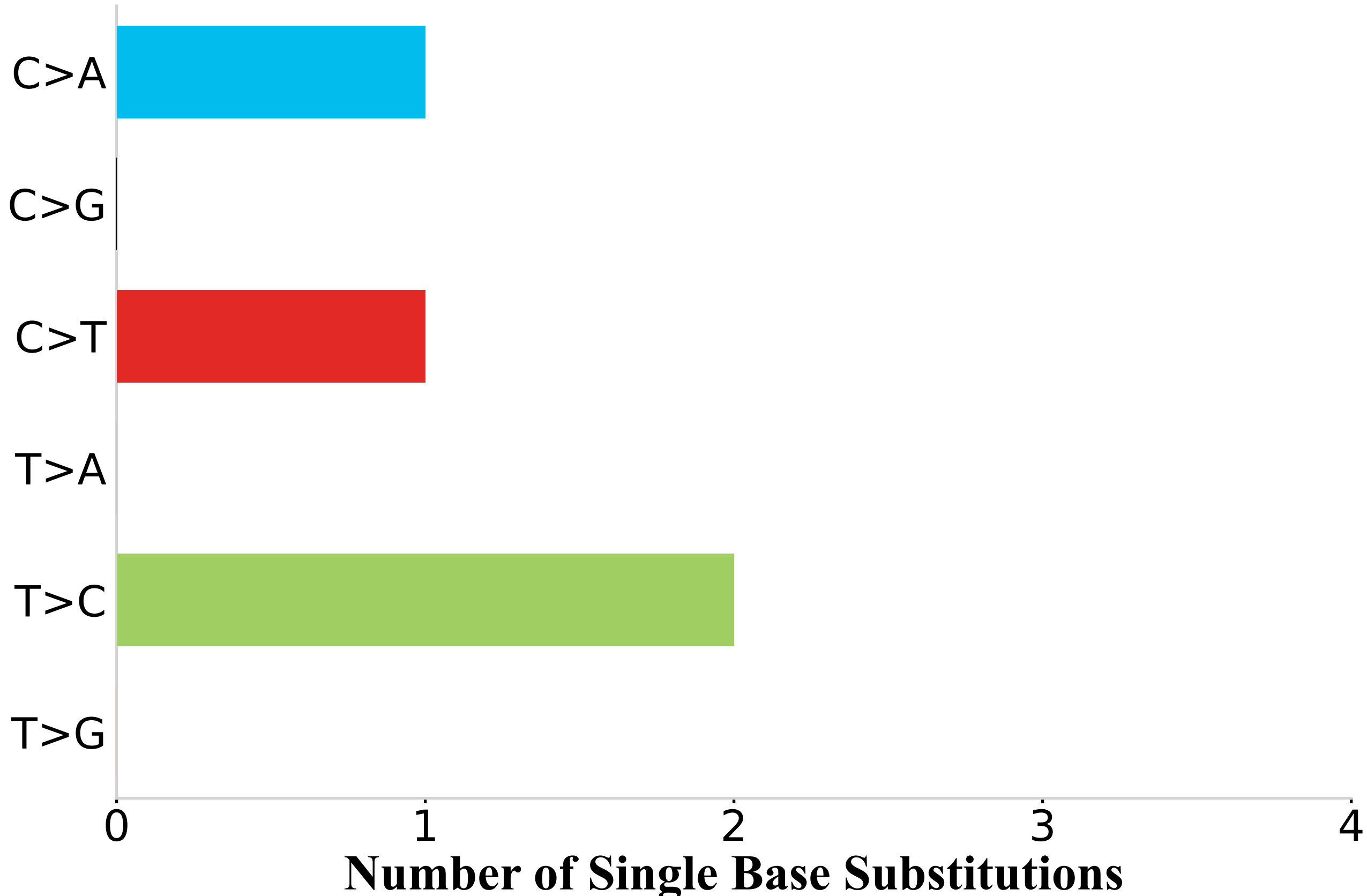
P-0047881-T01-IM6: 3 subs



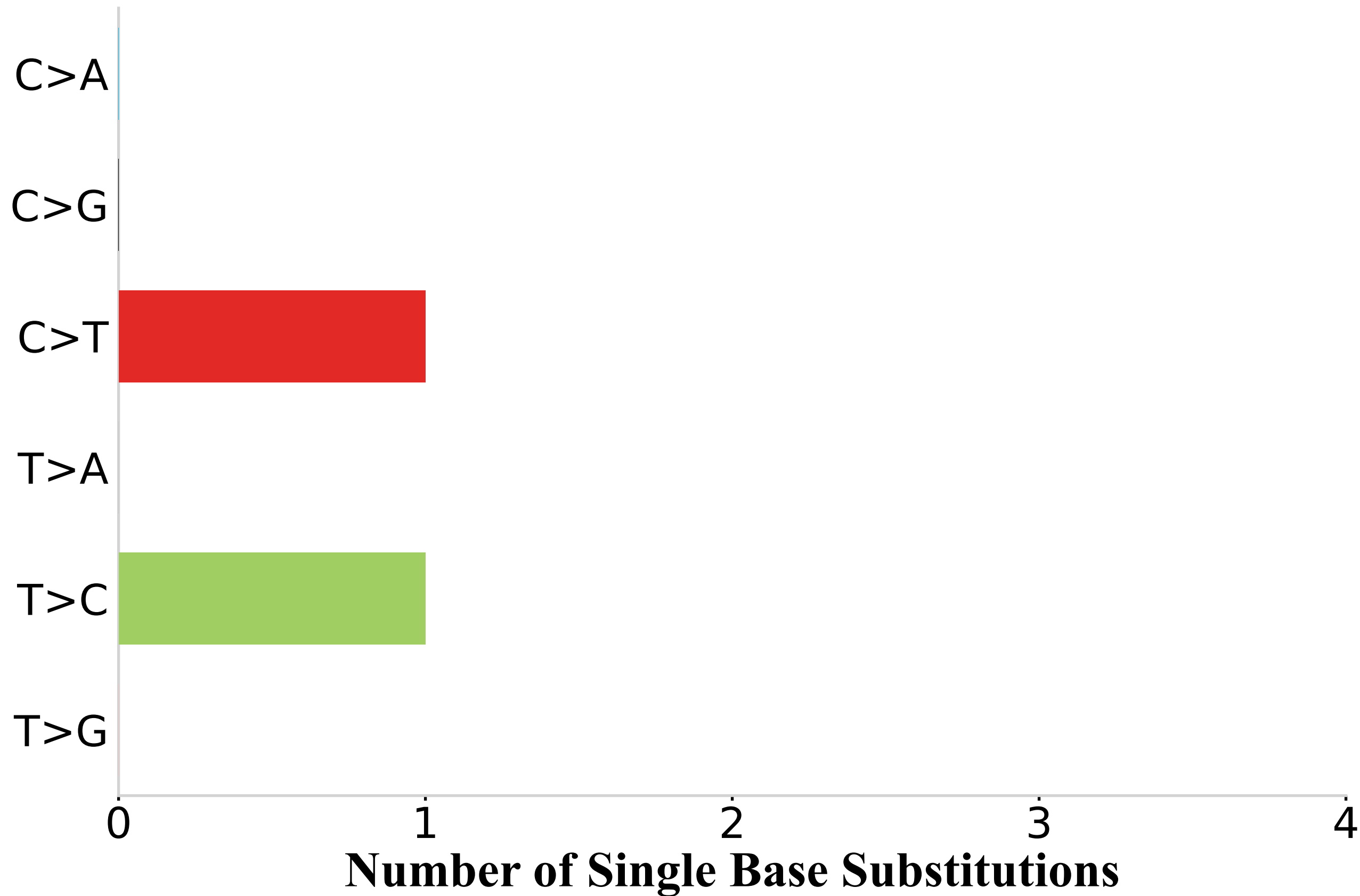
P-0047958-T01-IM6: 4 subs



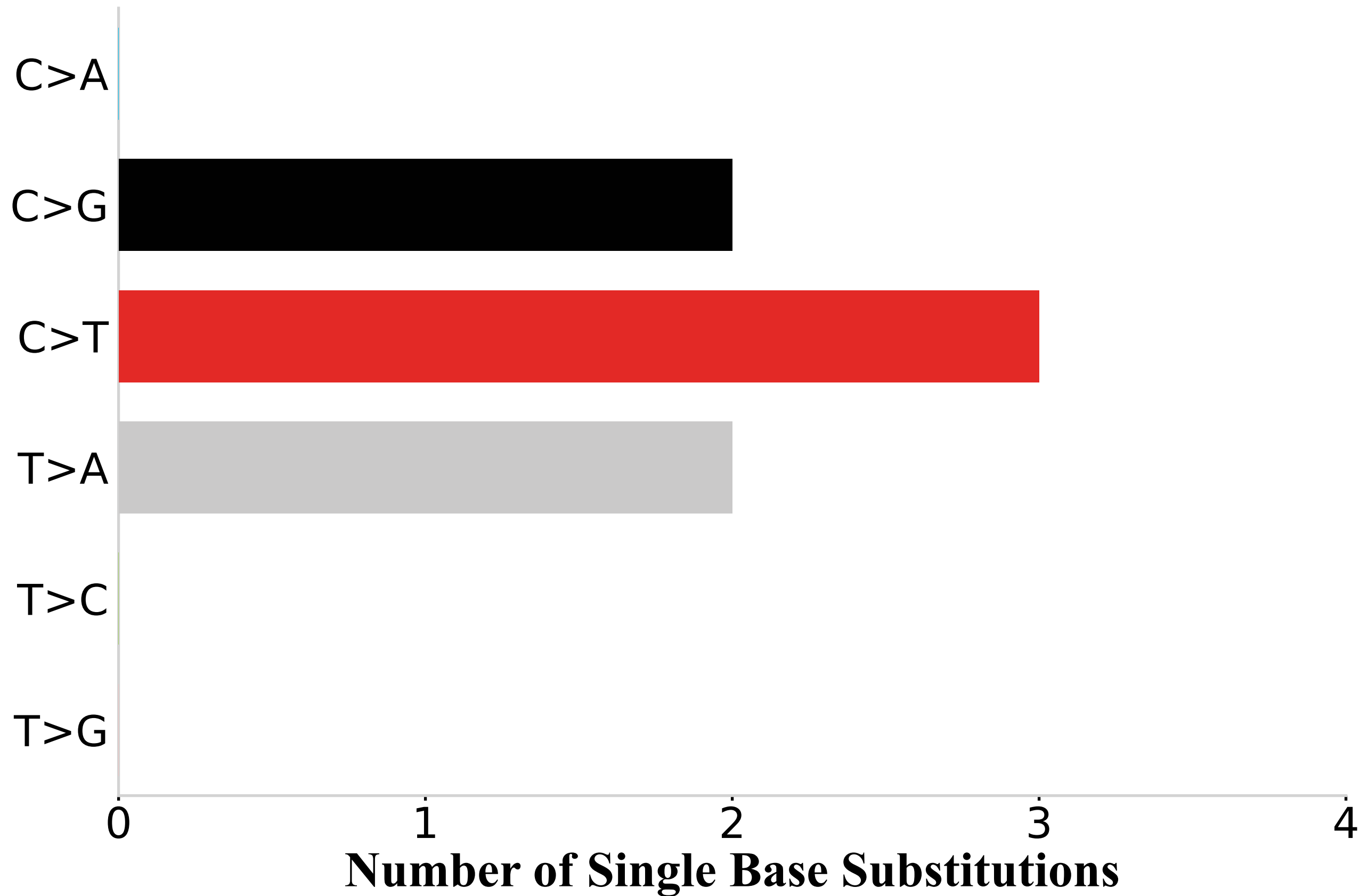
P-0048237-T01-IM6: 4 subs



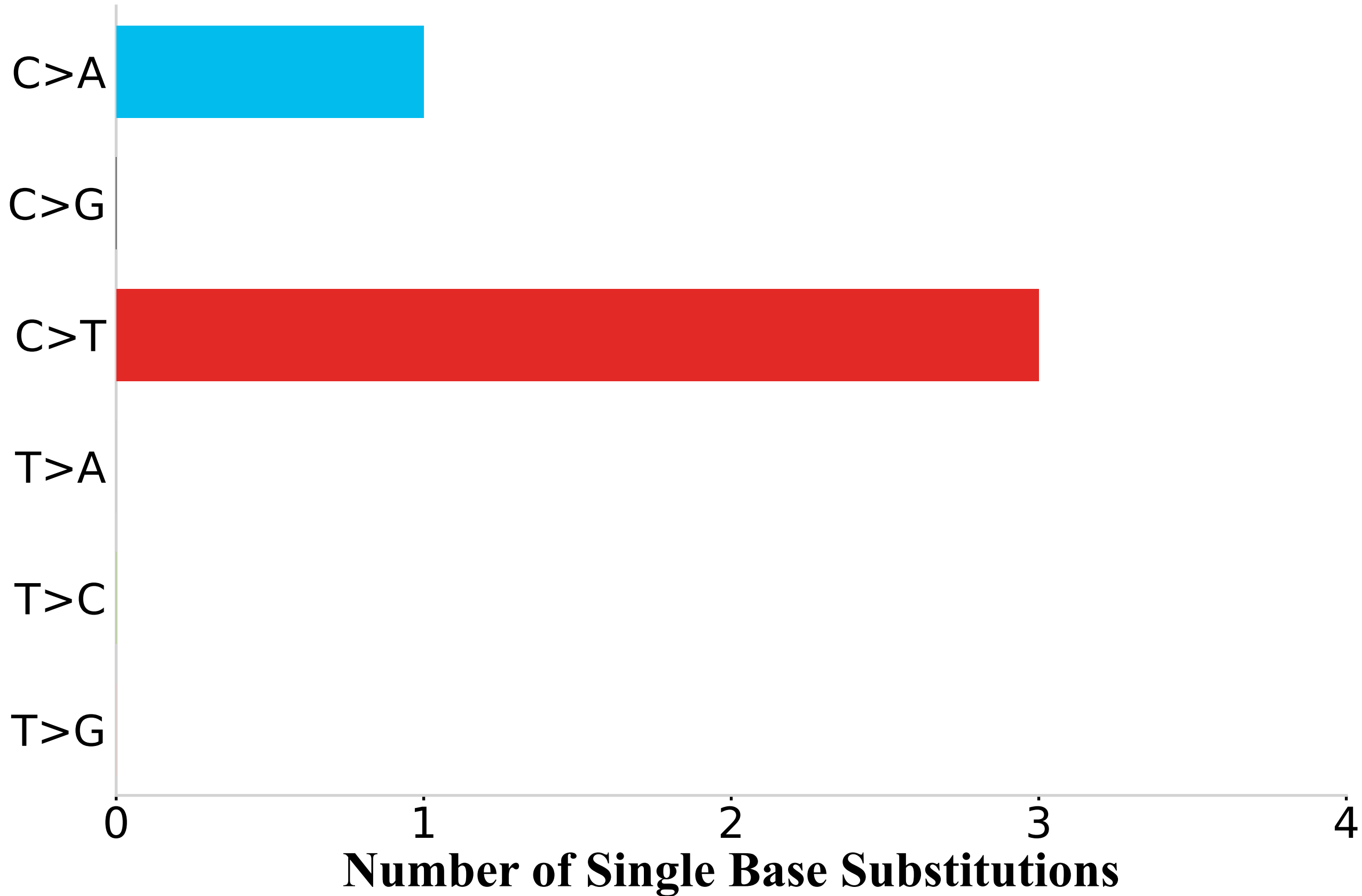
P-0048287-T01-IM6: 2 subs



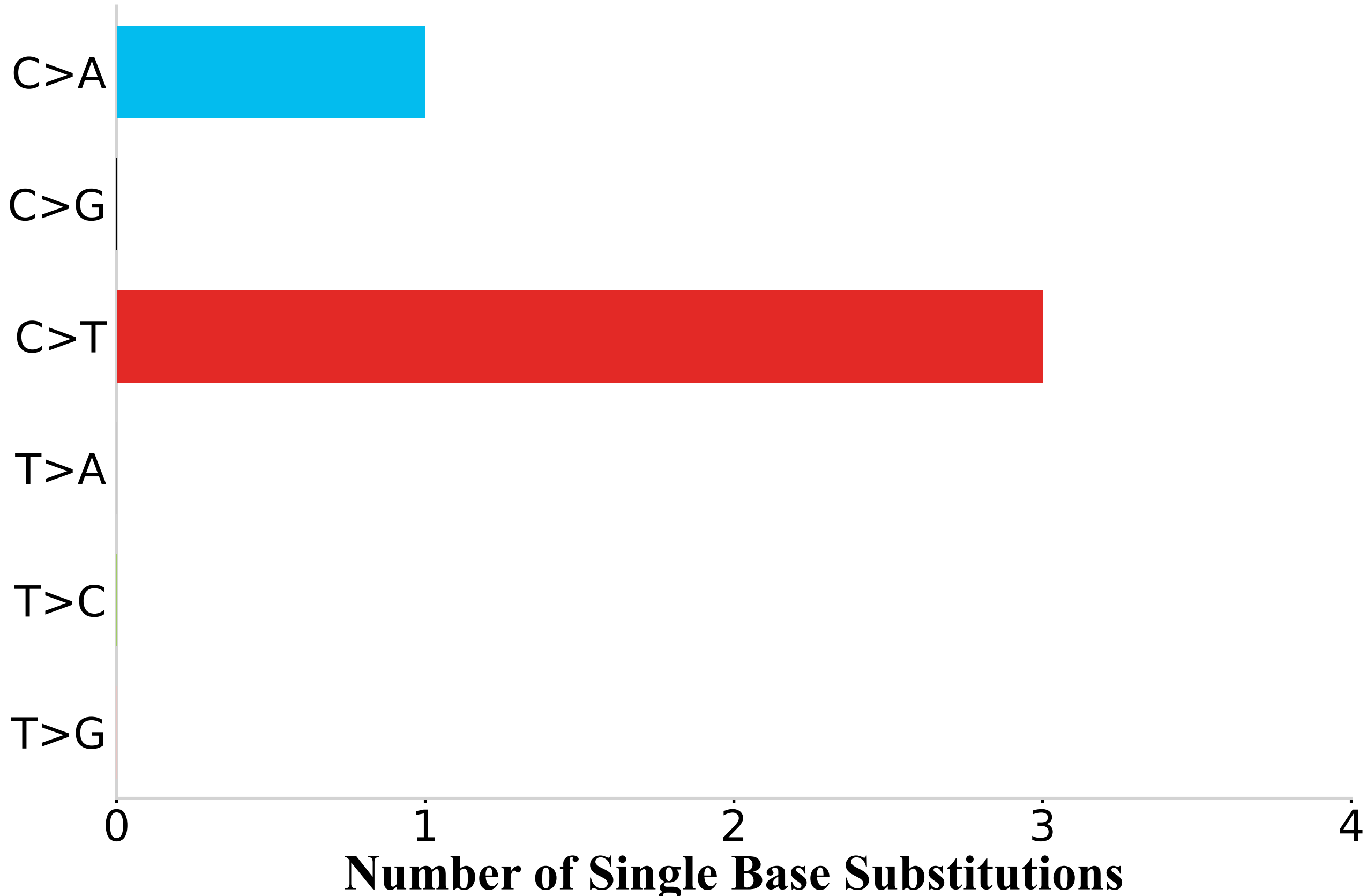
P-0048622-T01-IM6: 7 subs



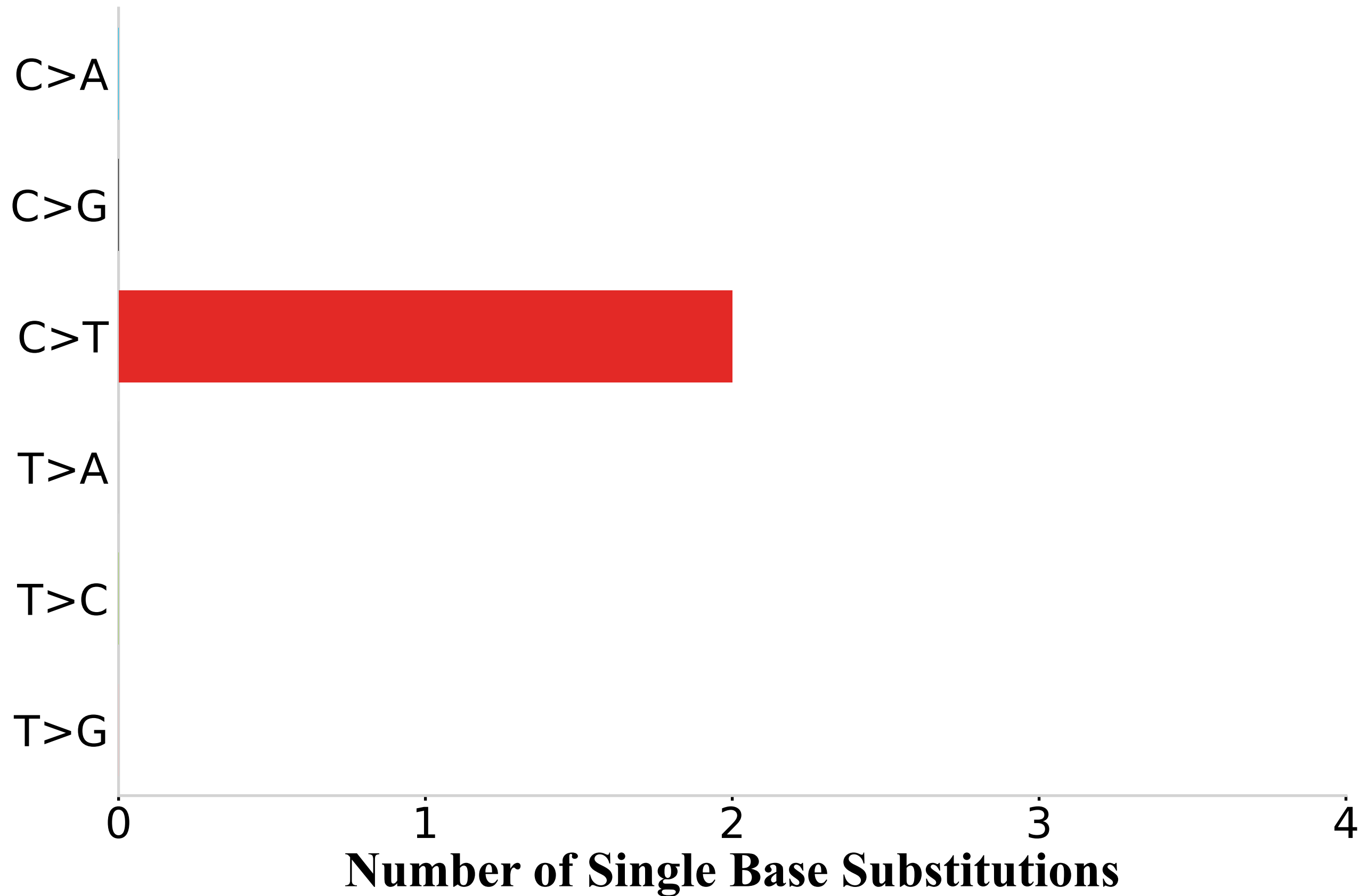
P-0048758-T01-IM6: 4 subs



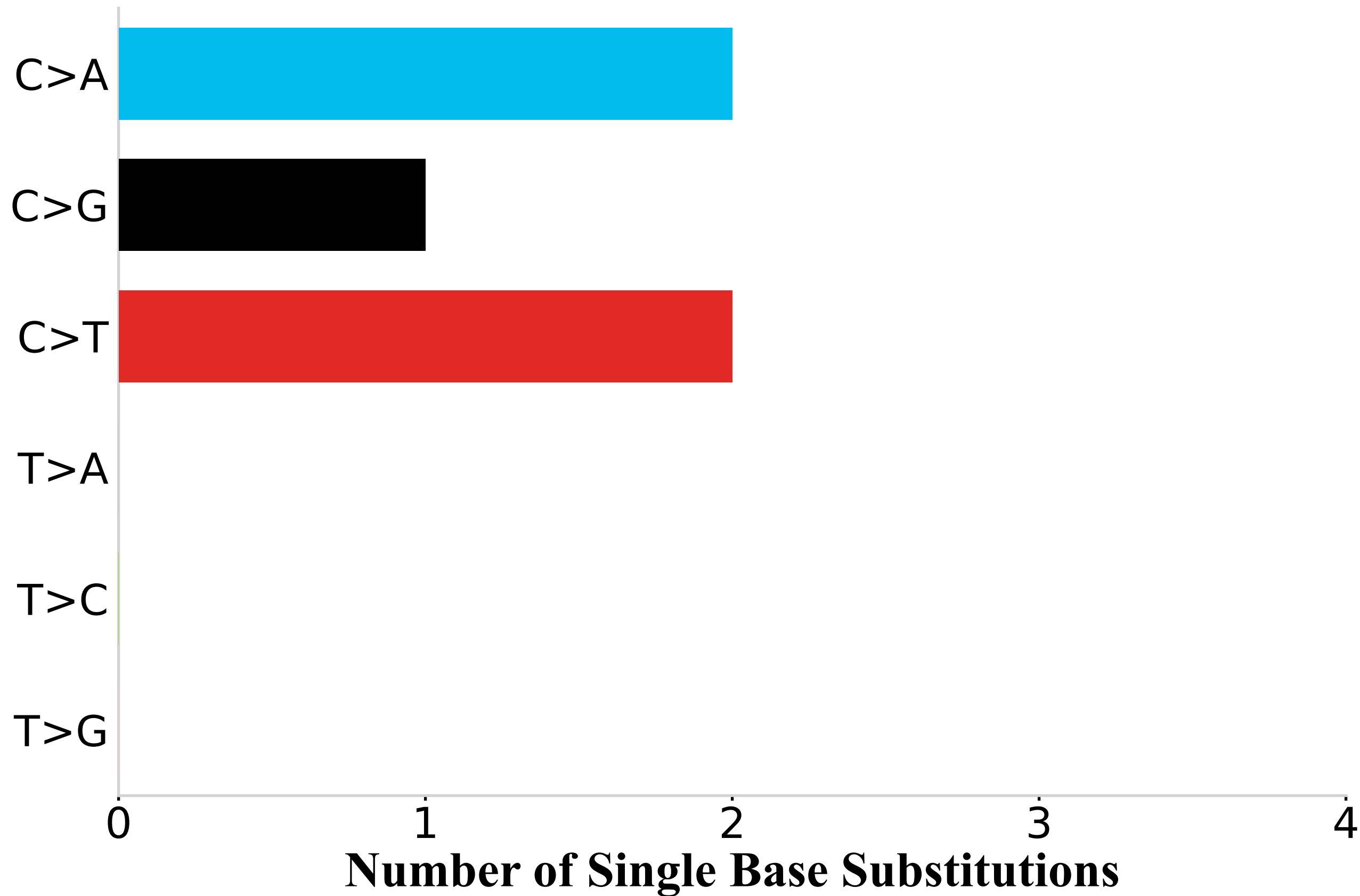
P-0048830-T01-IM6: 4 subs



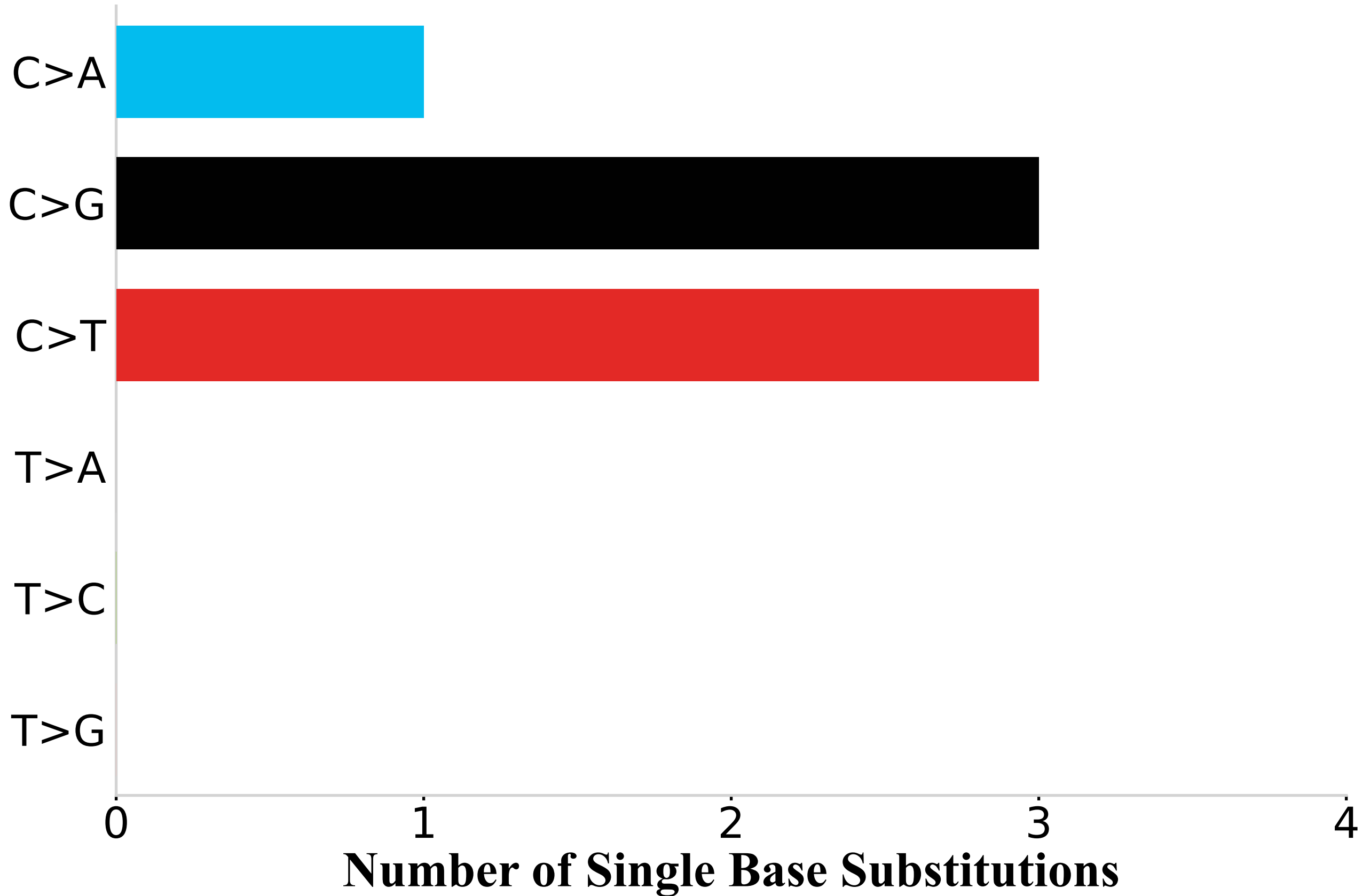
P-0049337-T01-IM6: 2 subs



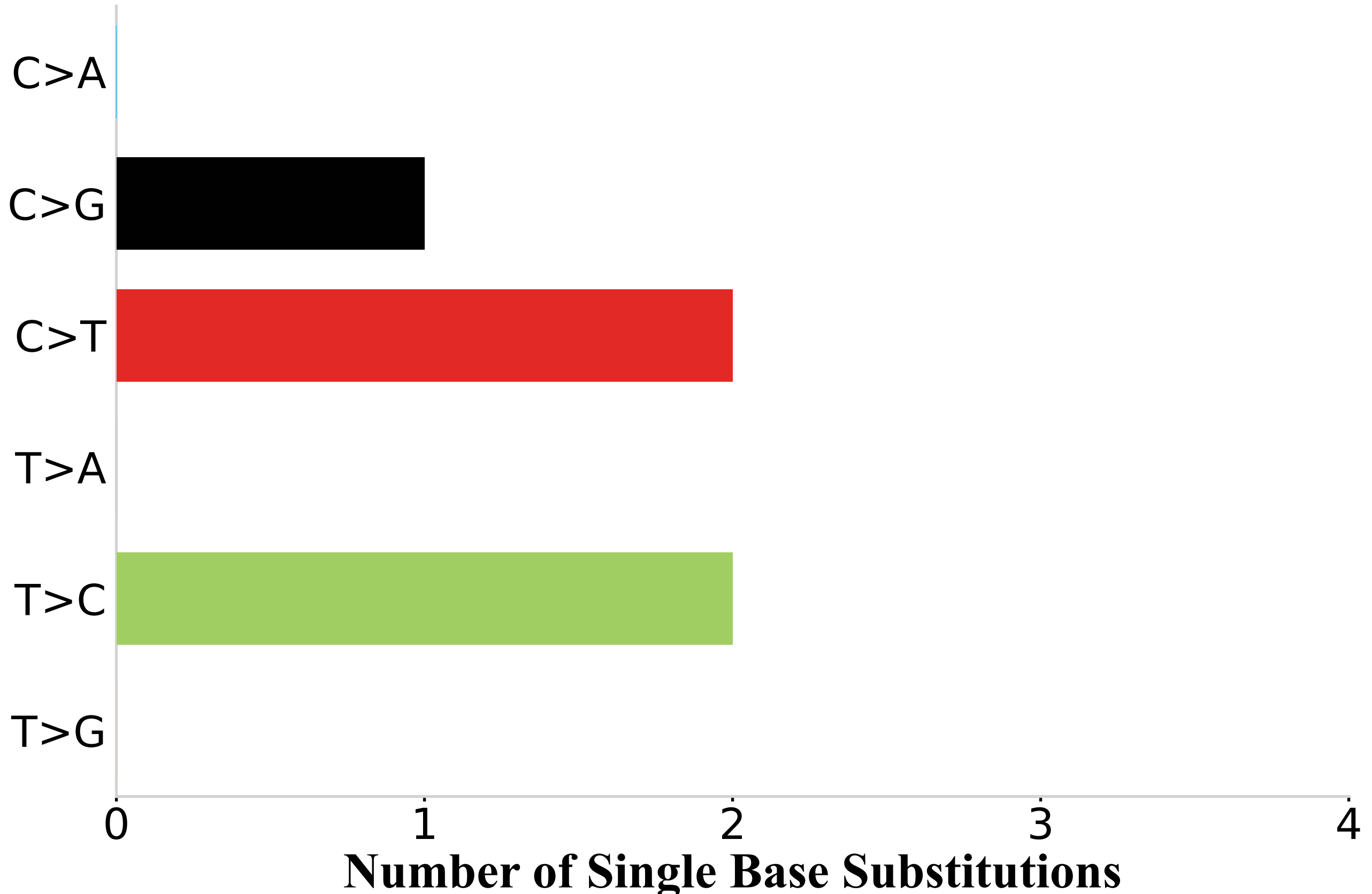
P-0049556-T01-IM6: 5 subs



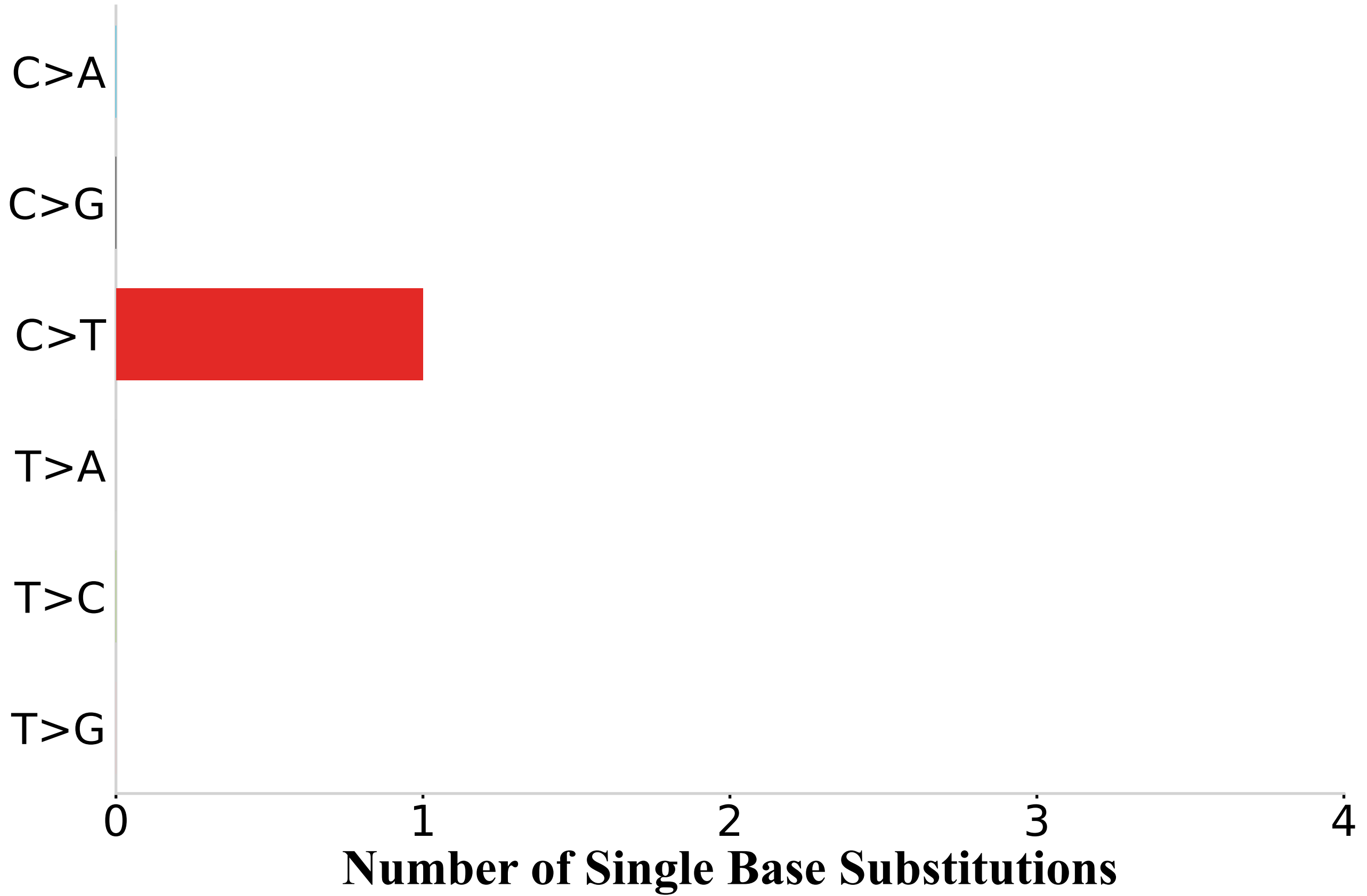
P-0049628-T01-IM6: 7 subs



P-0049685-T01-IM6: 5 subs



P-0049765-T01-IM6: 1 subs



P-0049952-T01-IM6: 2 subs

