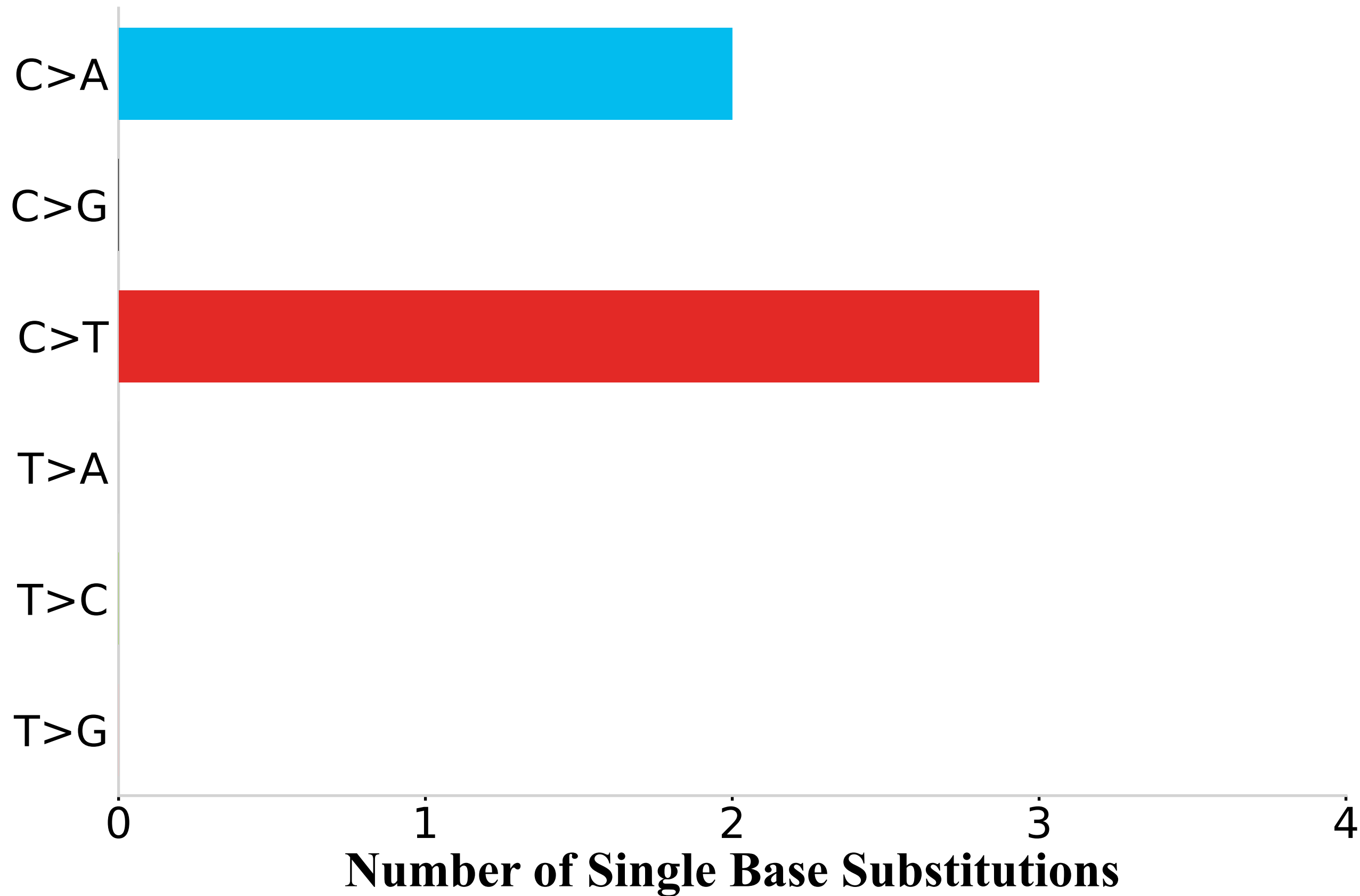
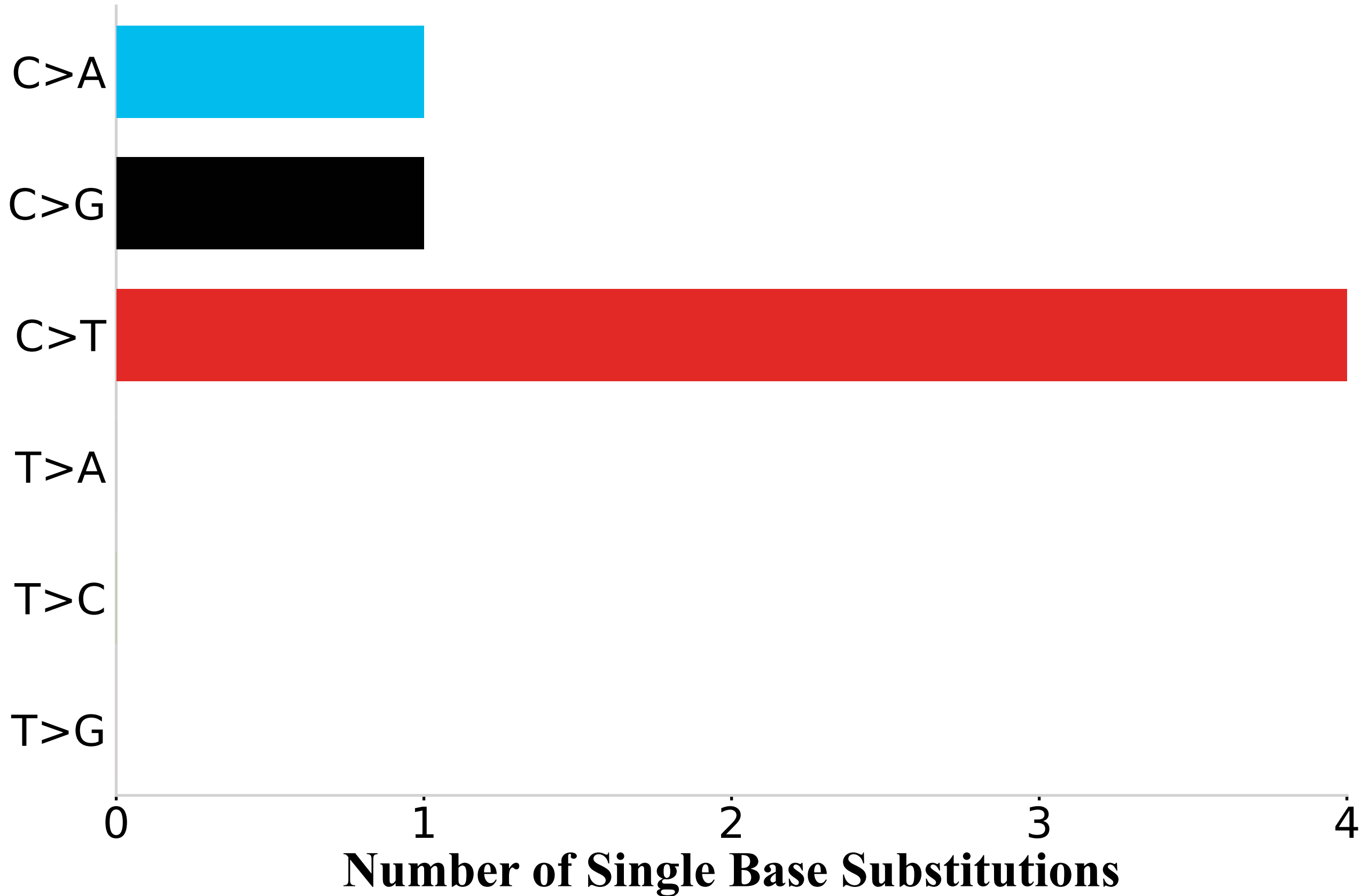


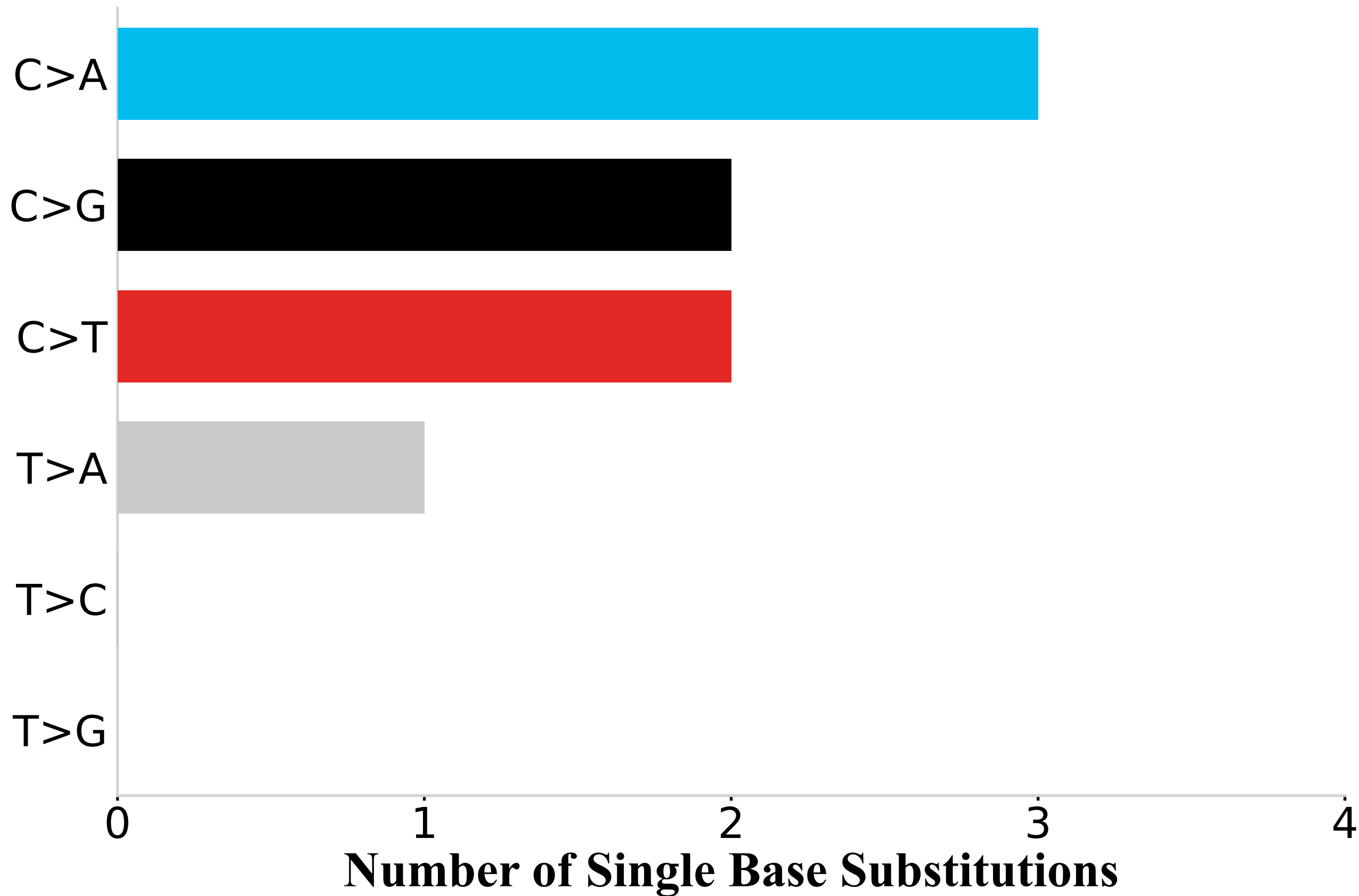
P-0000284-T01-IM3: 5 subs



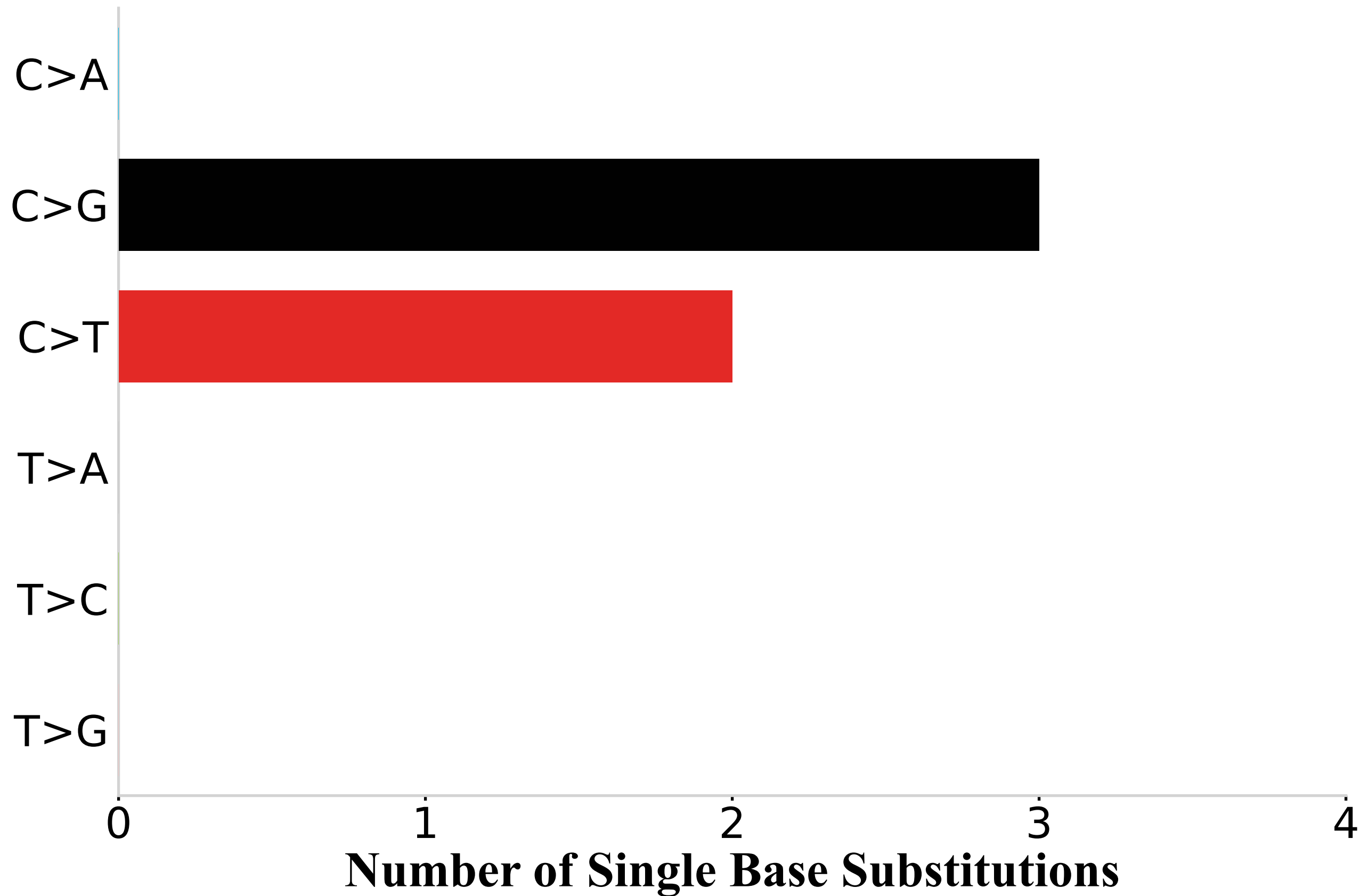
P-0000319-T01-IM3: 6 subs



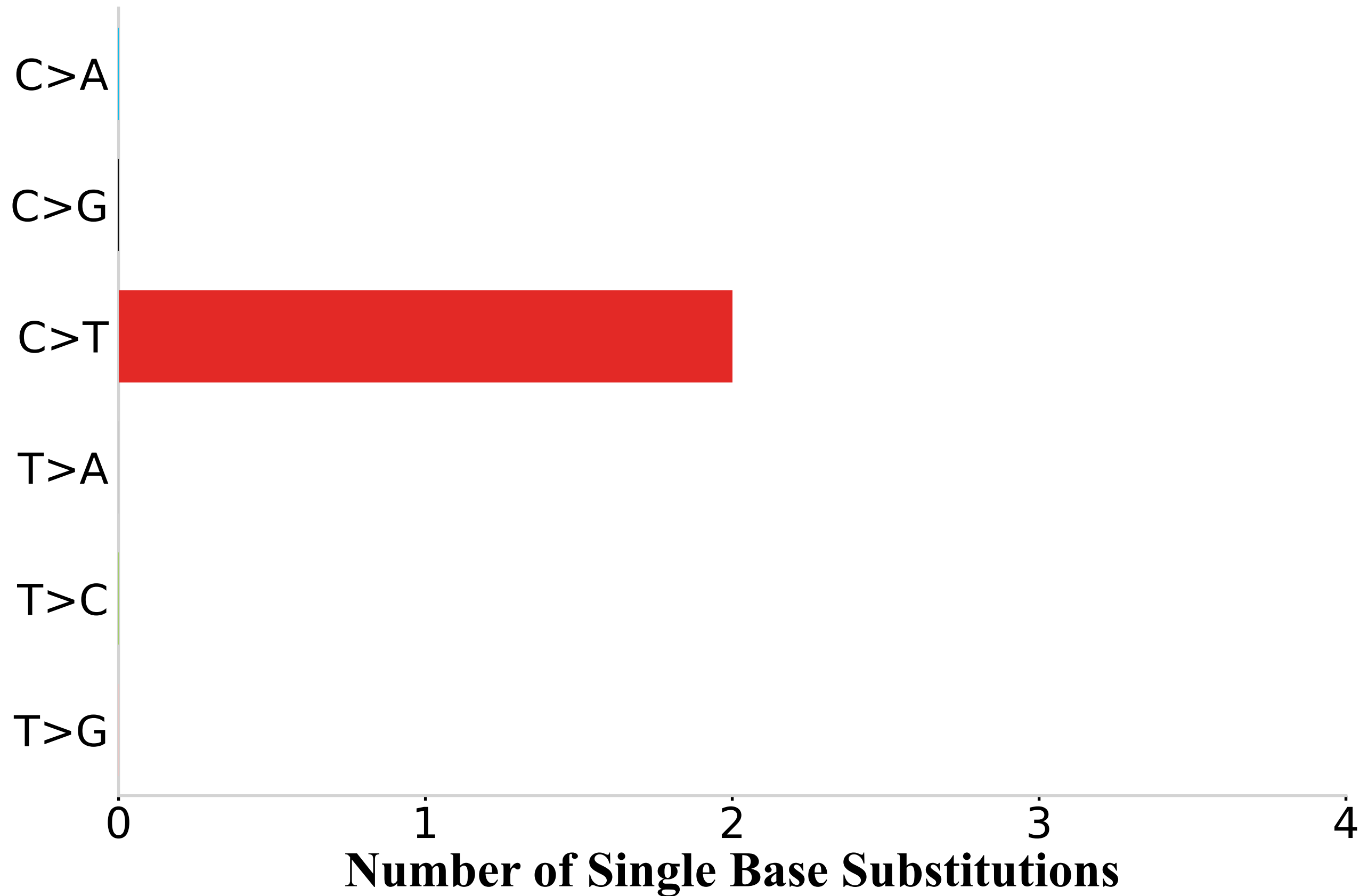
P-0000396-T01-IM3: 8 subs



P-0000433-T01-IM3: 5 subs



P-0000454-T01-IM3: 2 subs



P-0000467-T01-IM3: 2 subs

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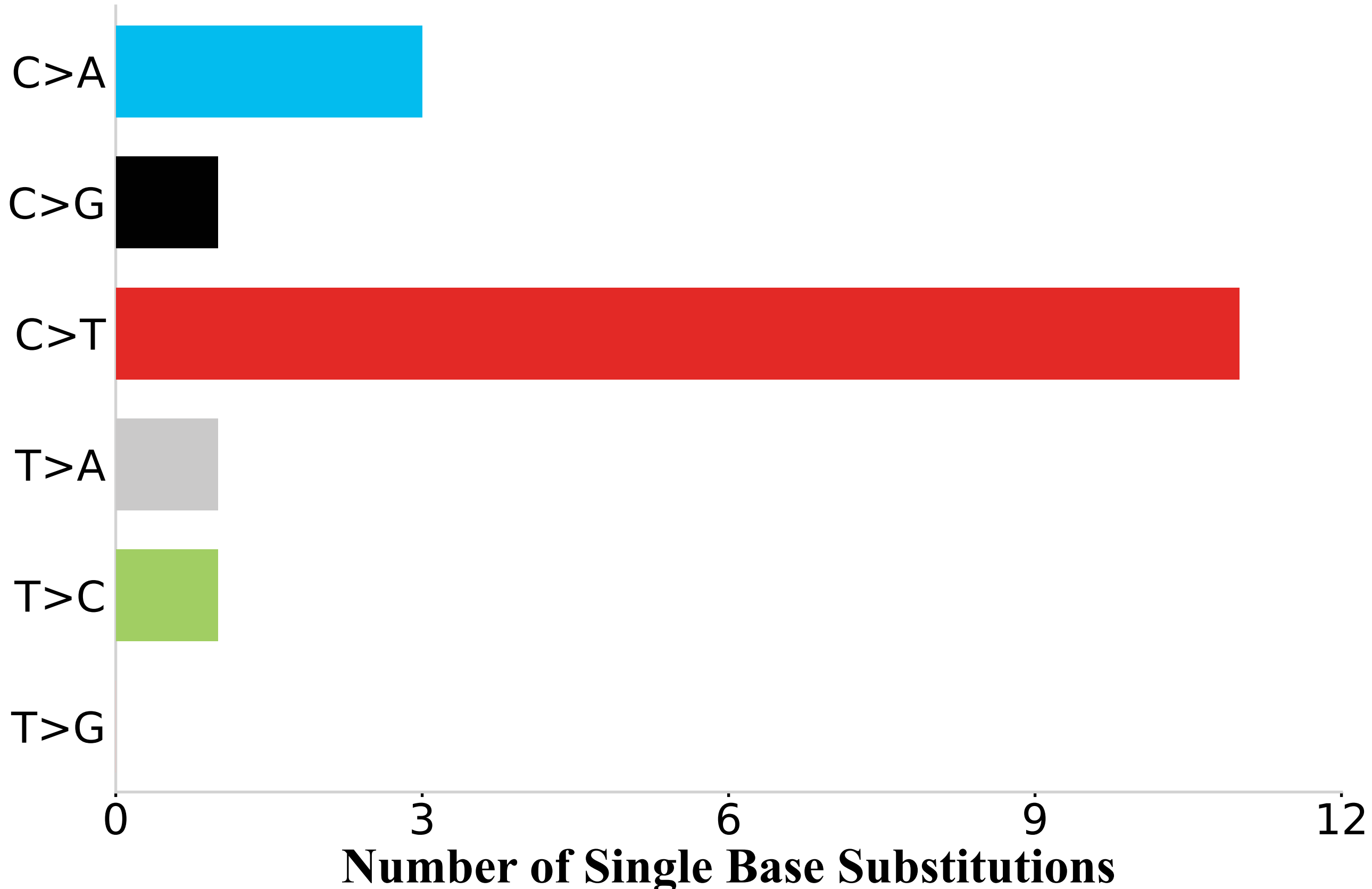
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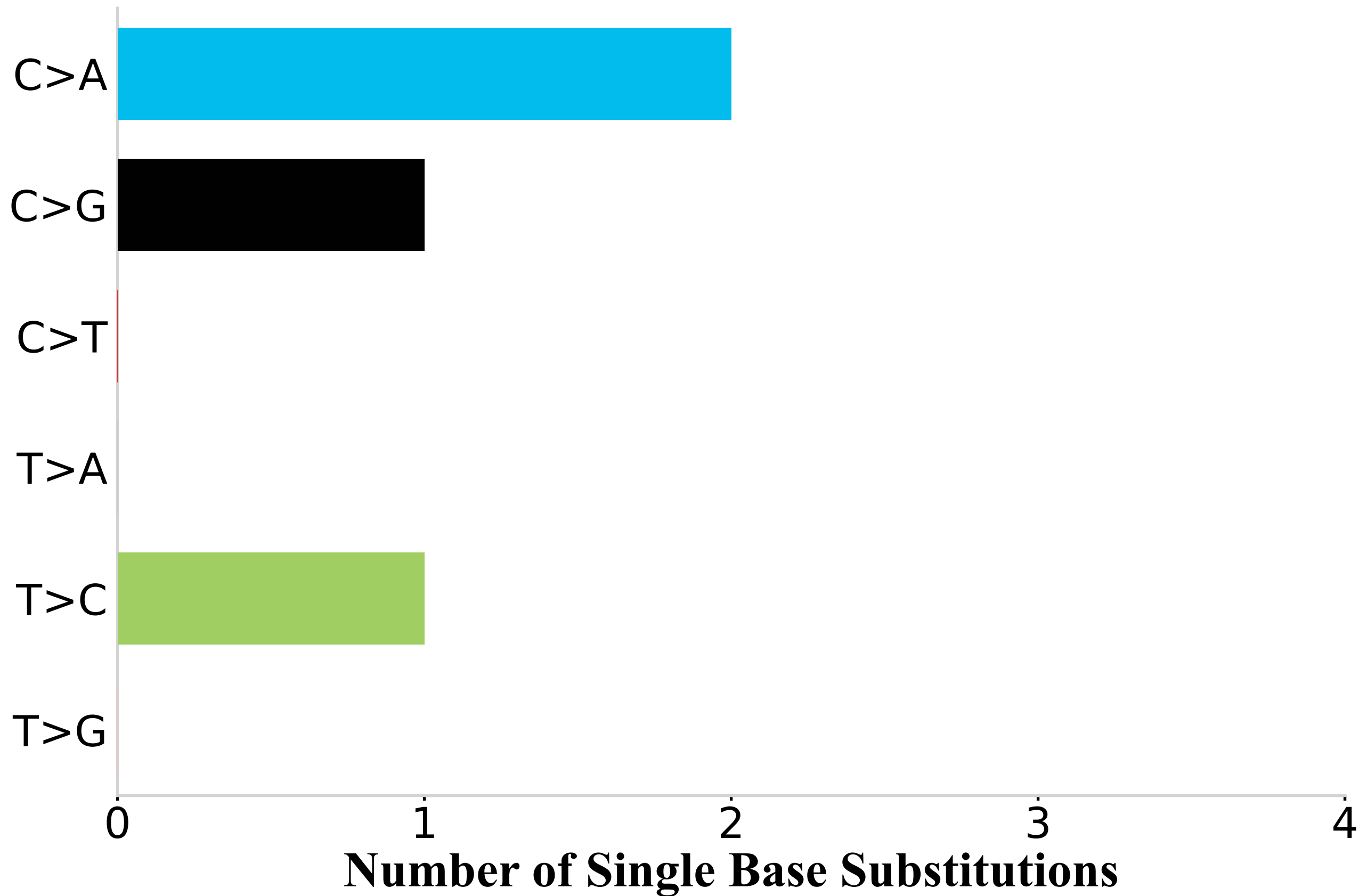
Number of Single Base Substitutions



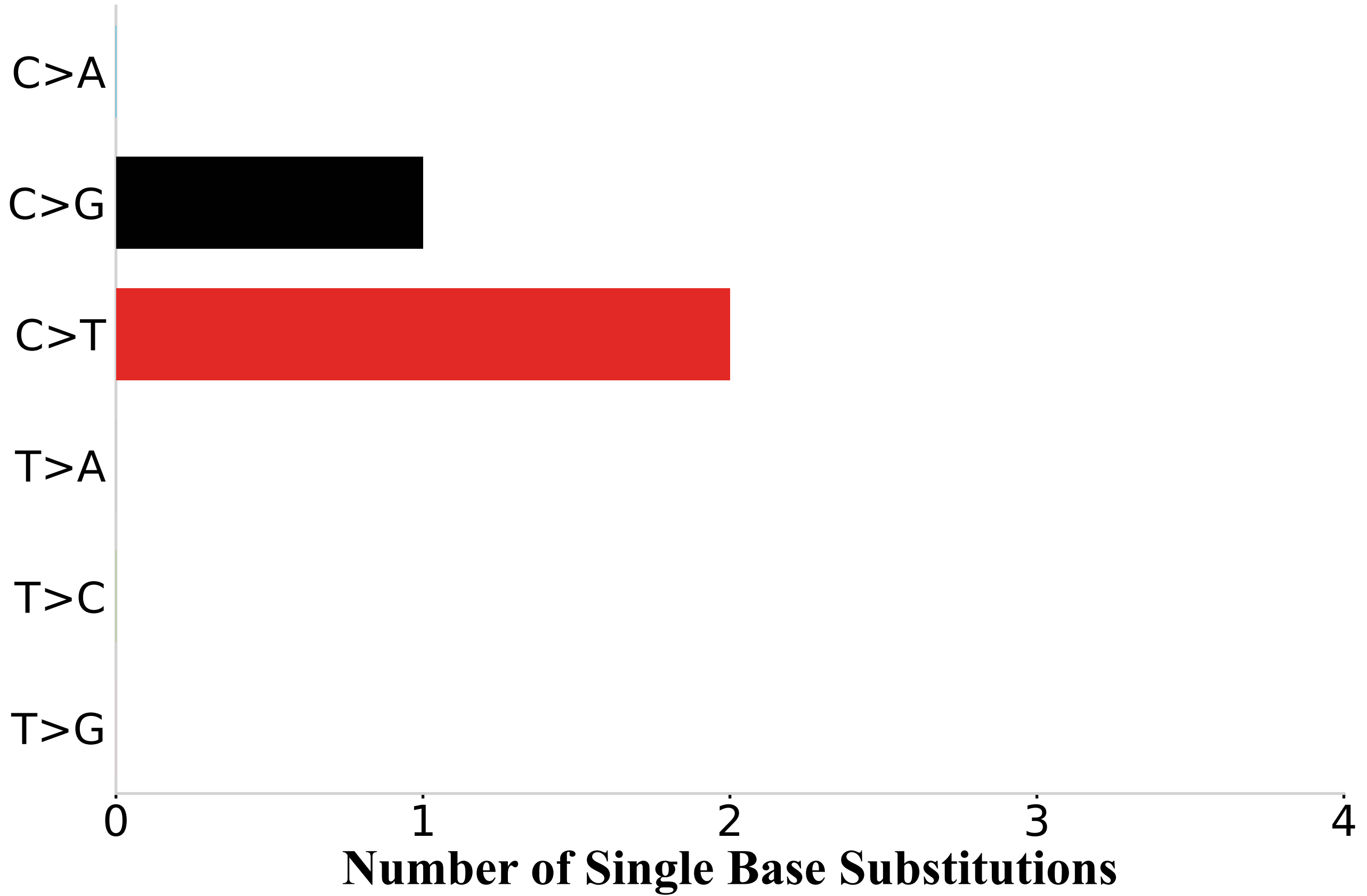
P-0000573-T01-IM3: 17 subs



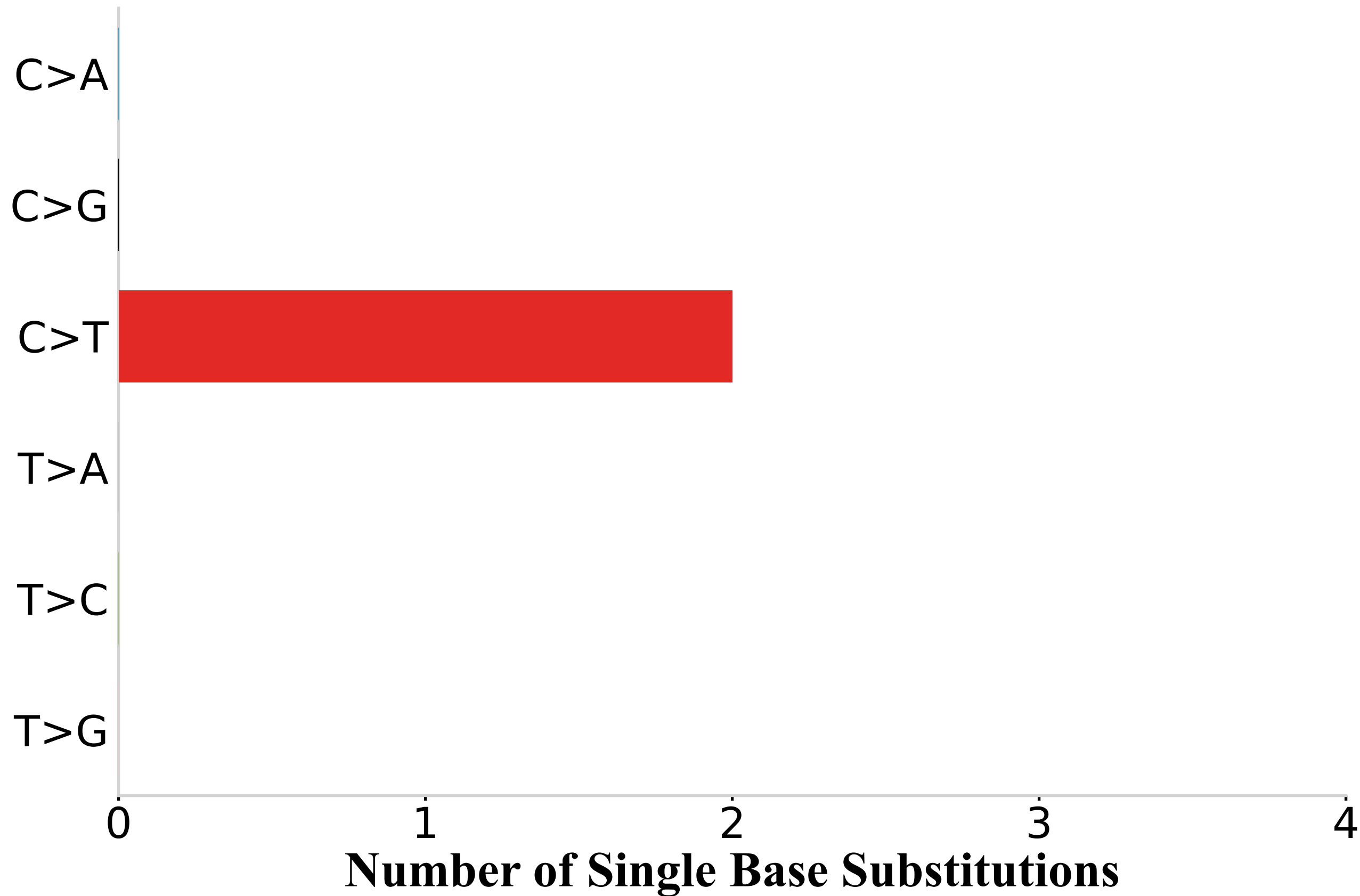
P-0000586-T01-IM3: 4 subs



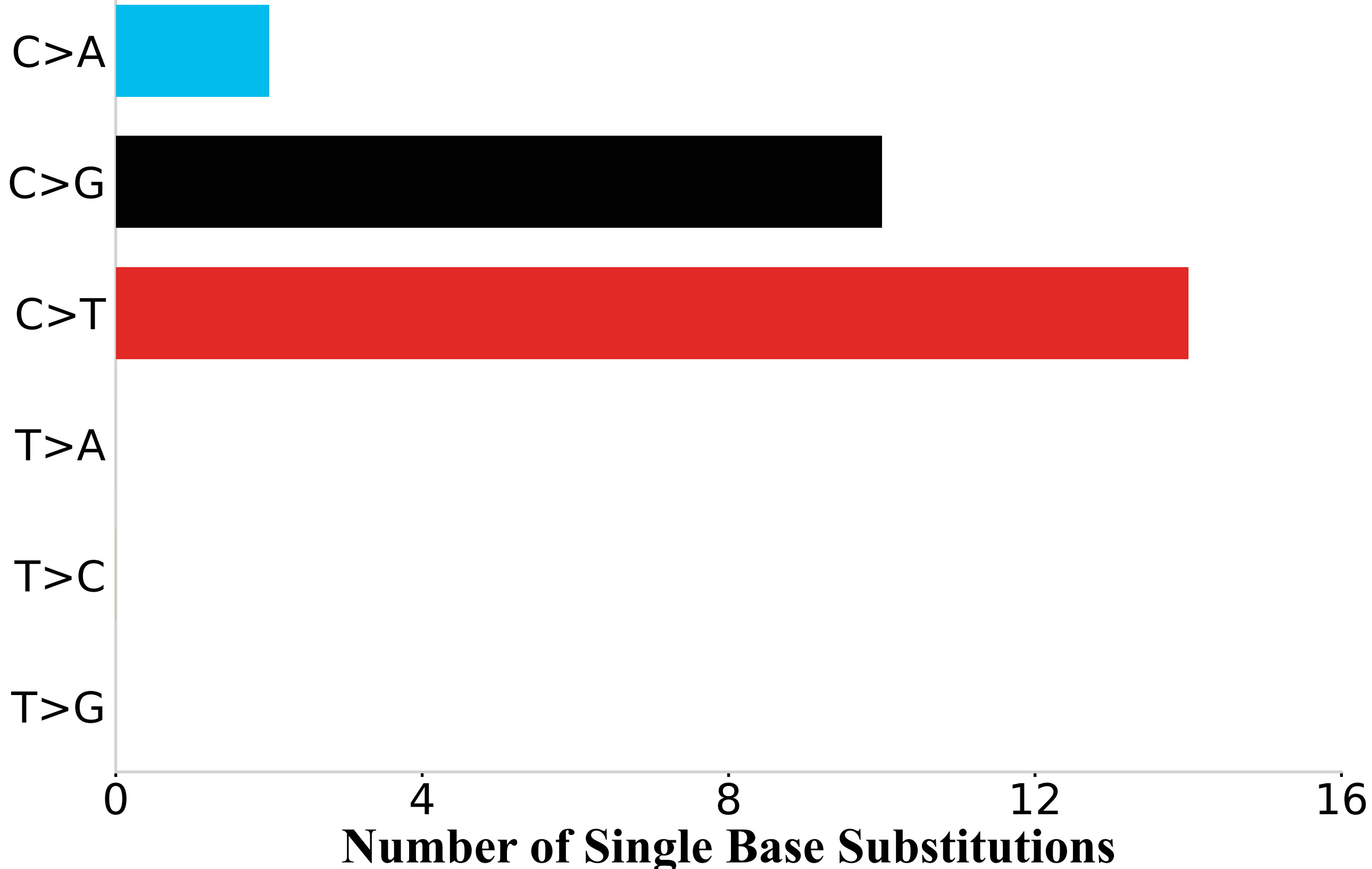
P-0000621-T01-IM3: 3 subs



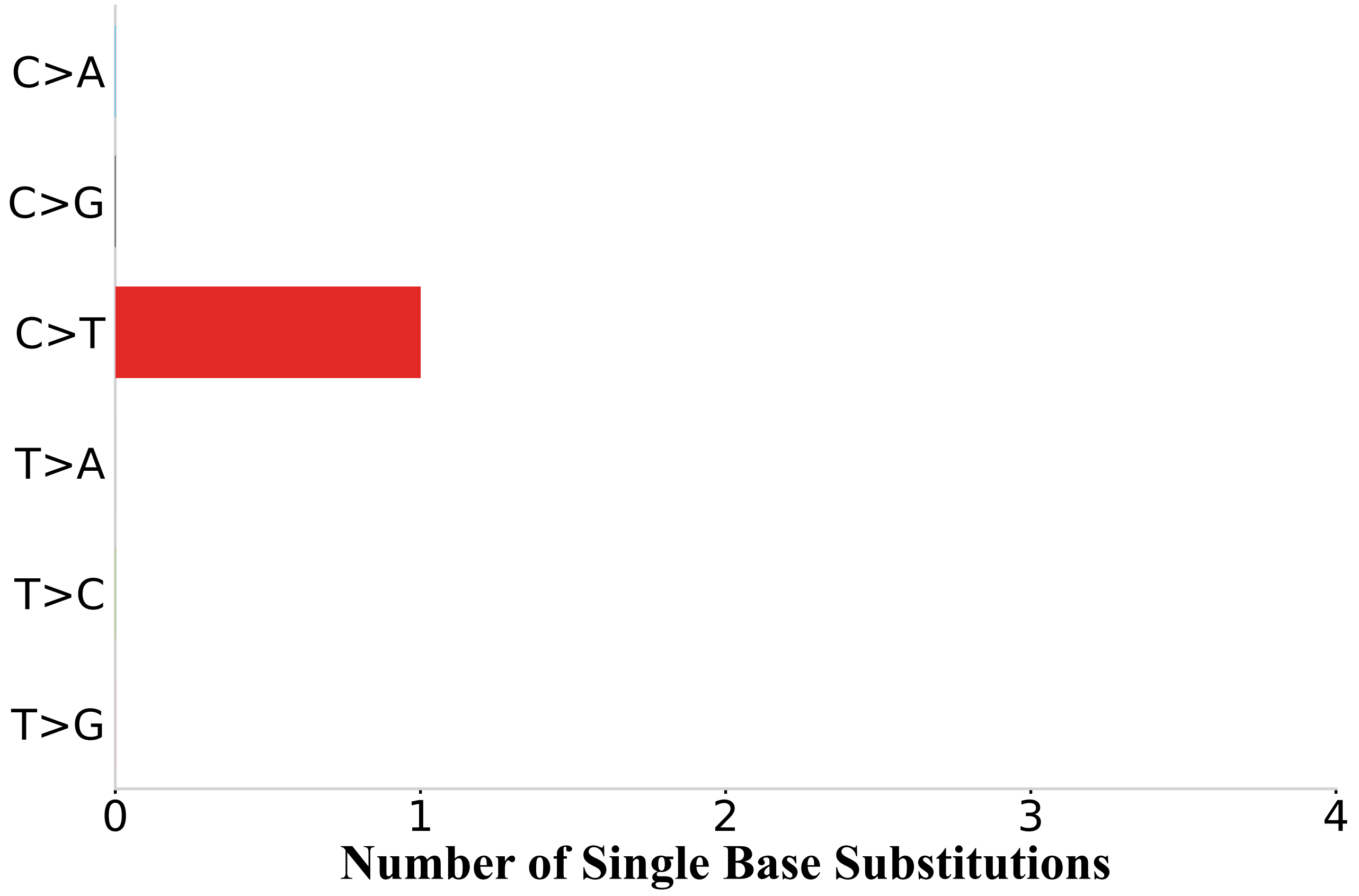
P-0000768-T01-IM3: 2 subs



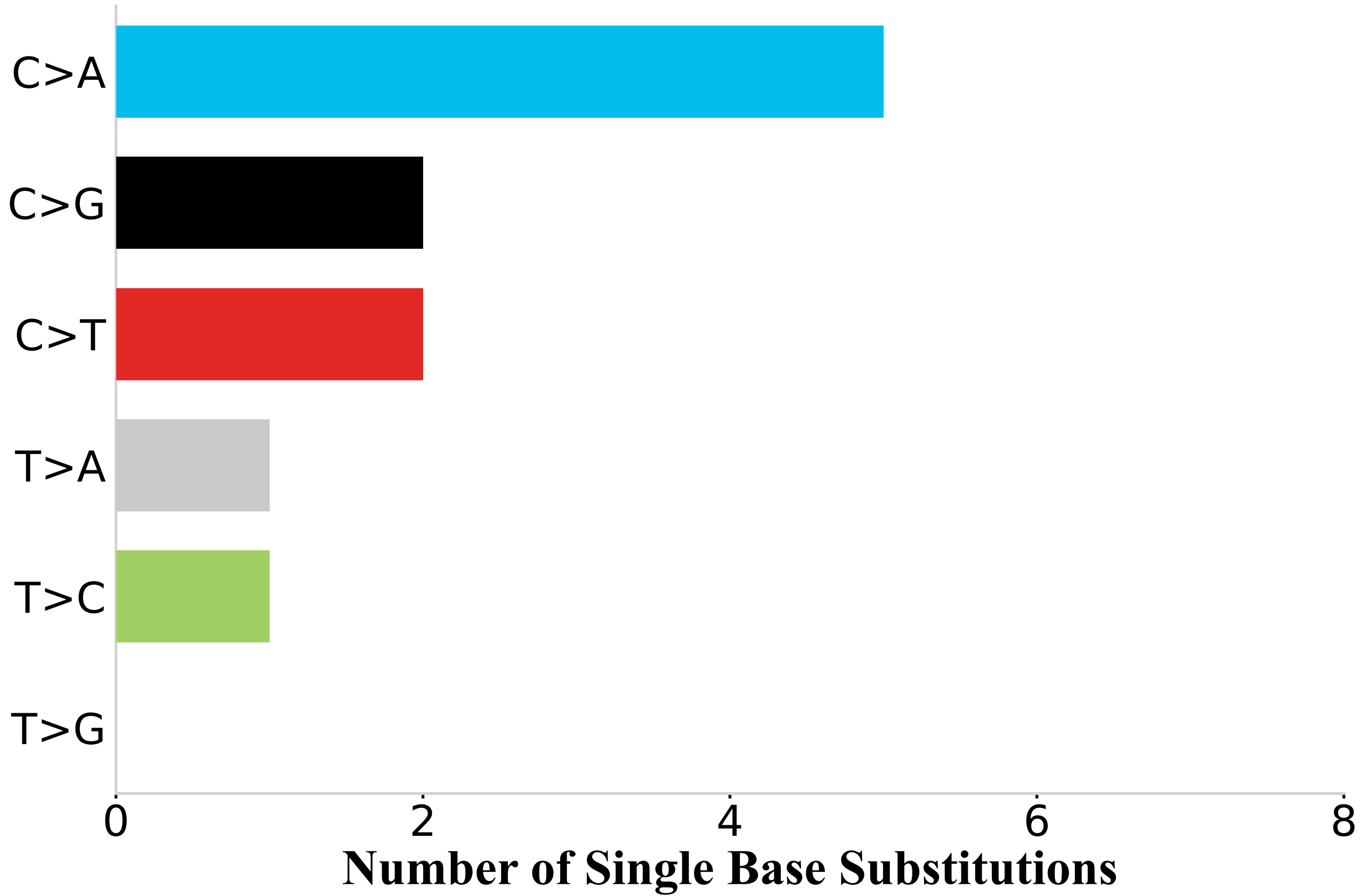
P-0001082-T01-IM3: 26 subs



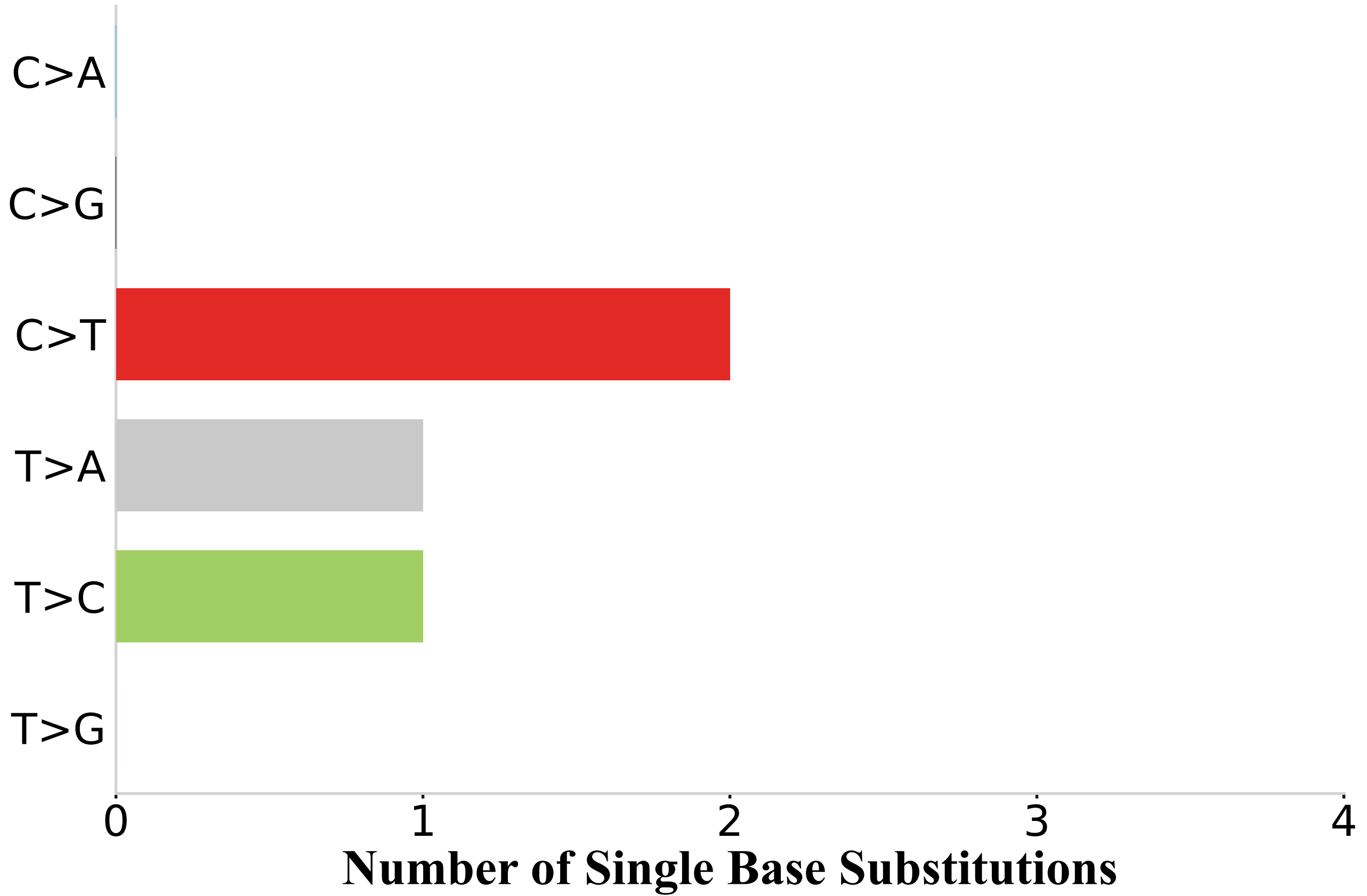
P-0001186-T01-IM3: 1 subs



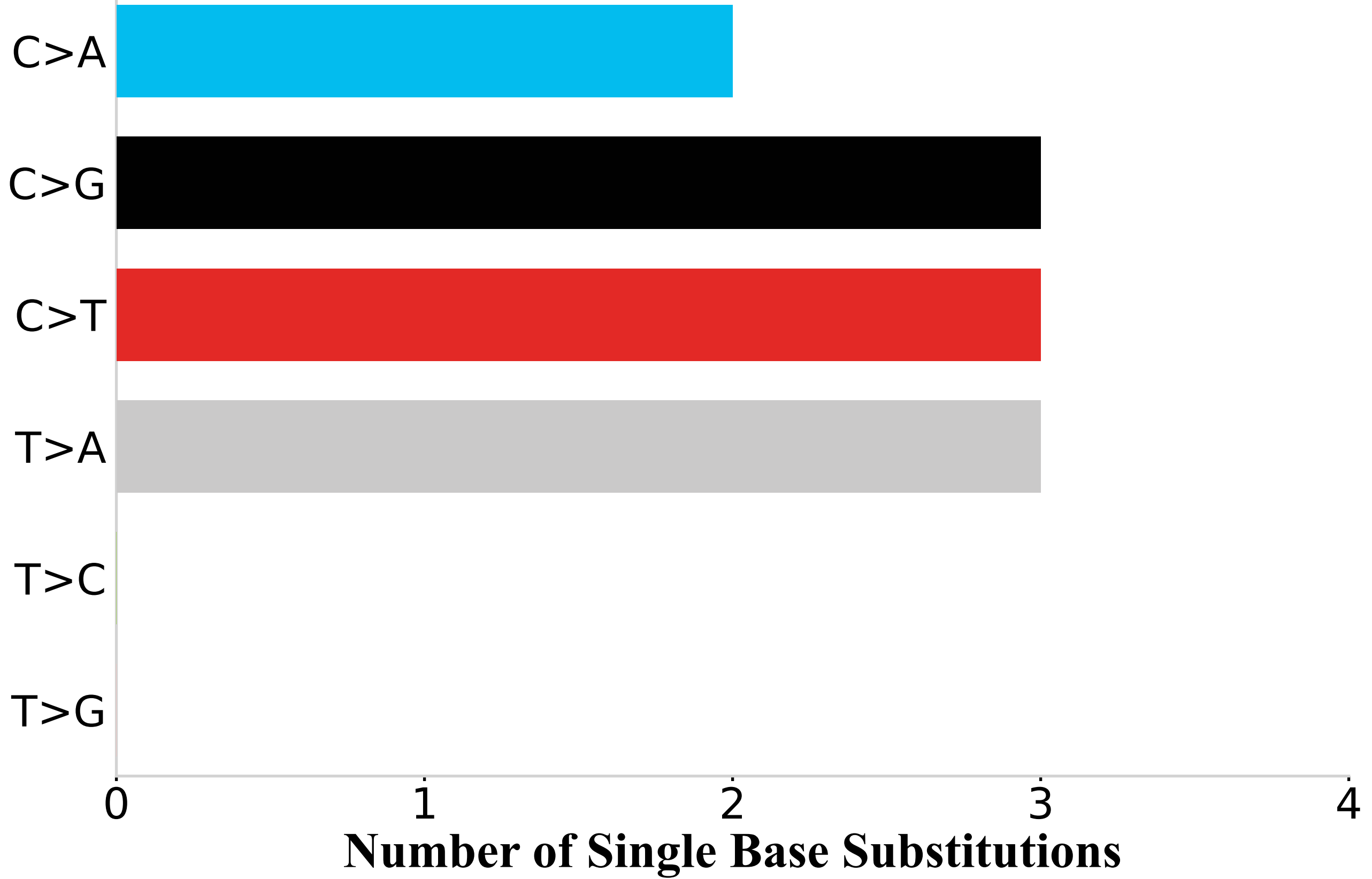
P-0001467-T01-IM3: 11 subs



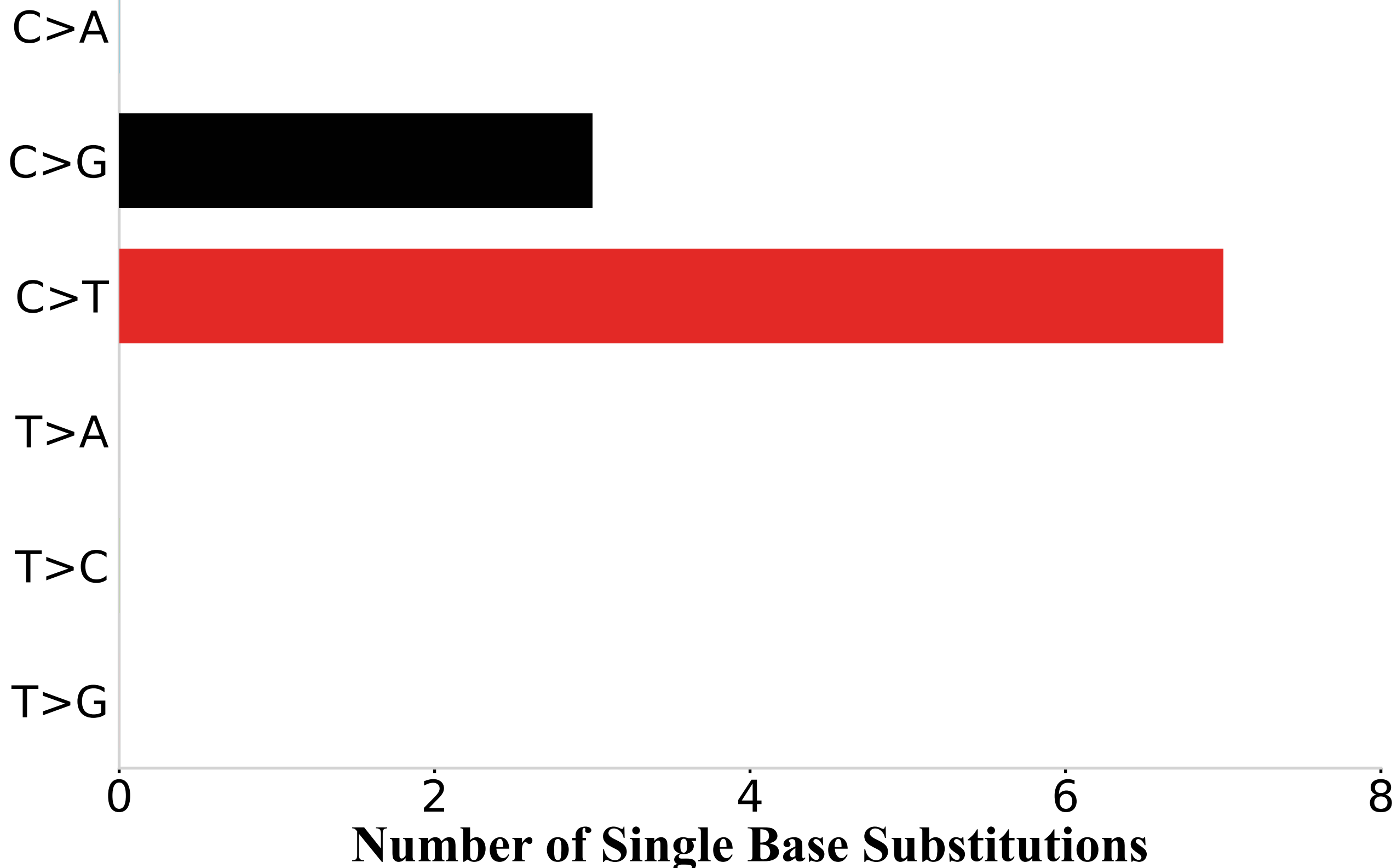
P-0001538-T01-IM3: 4 subs



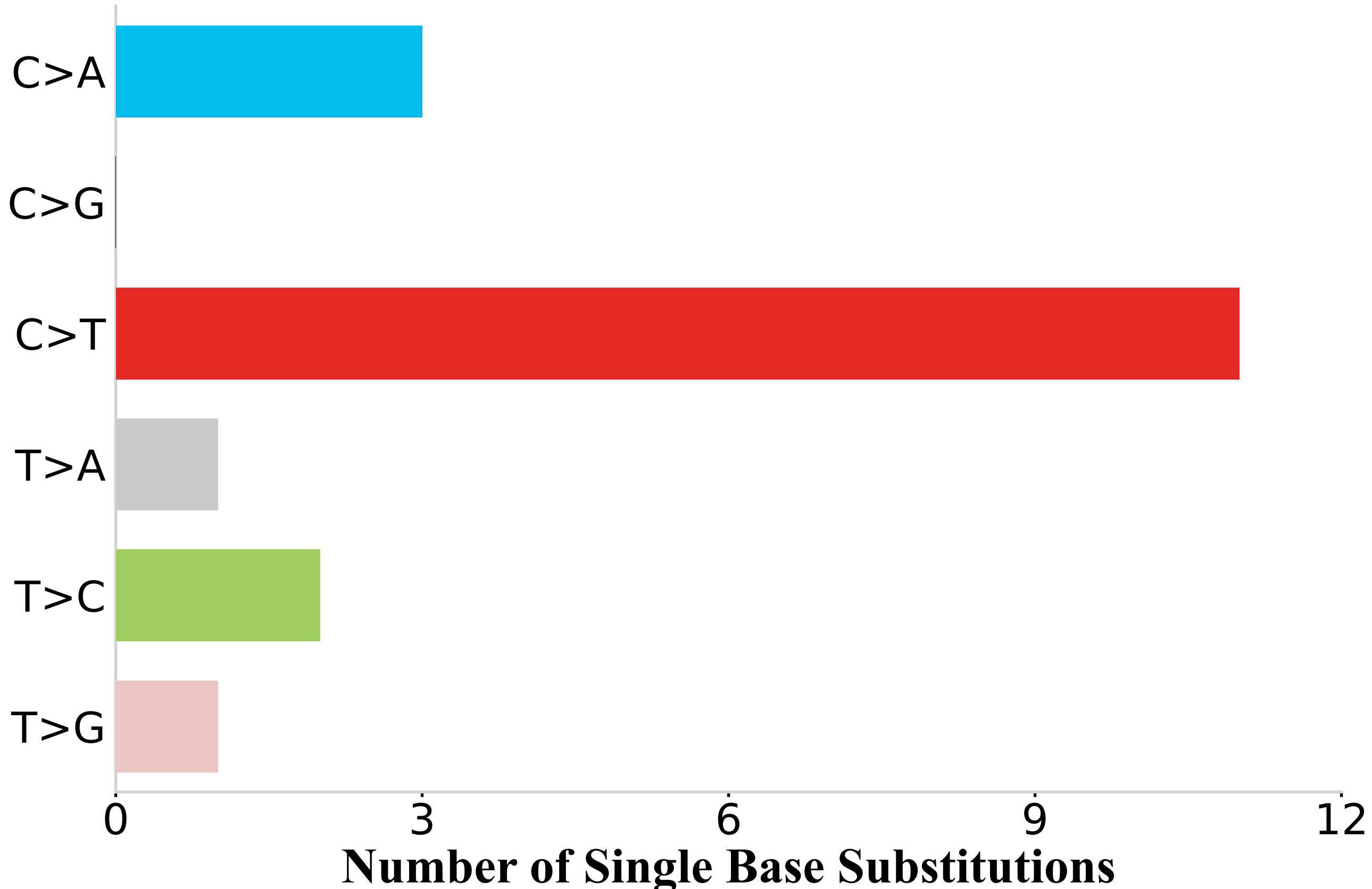
P-0001557-T01-IM3: 11 subs



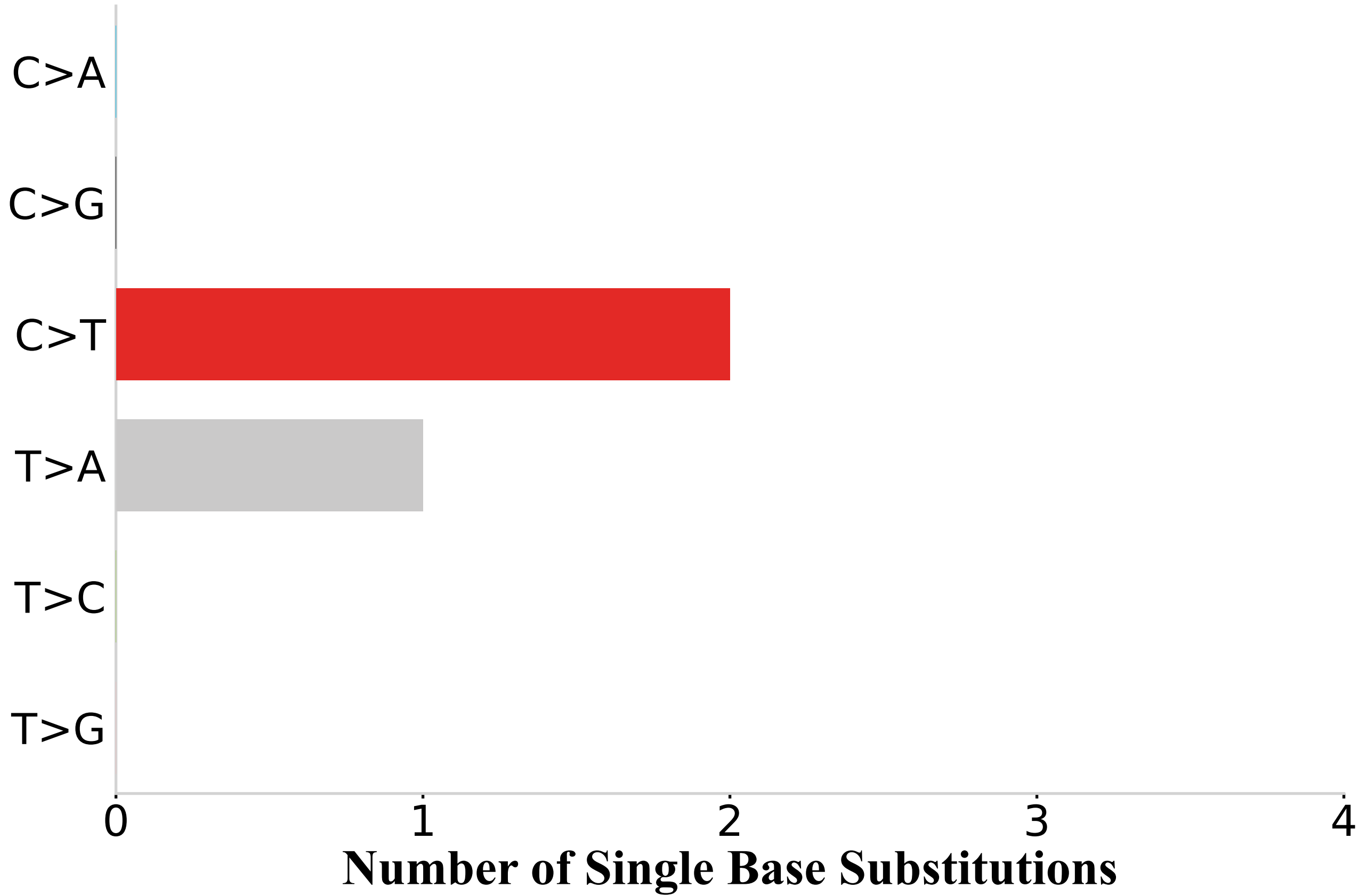
P-0001598-T01-IM3: 10 subs



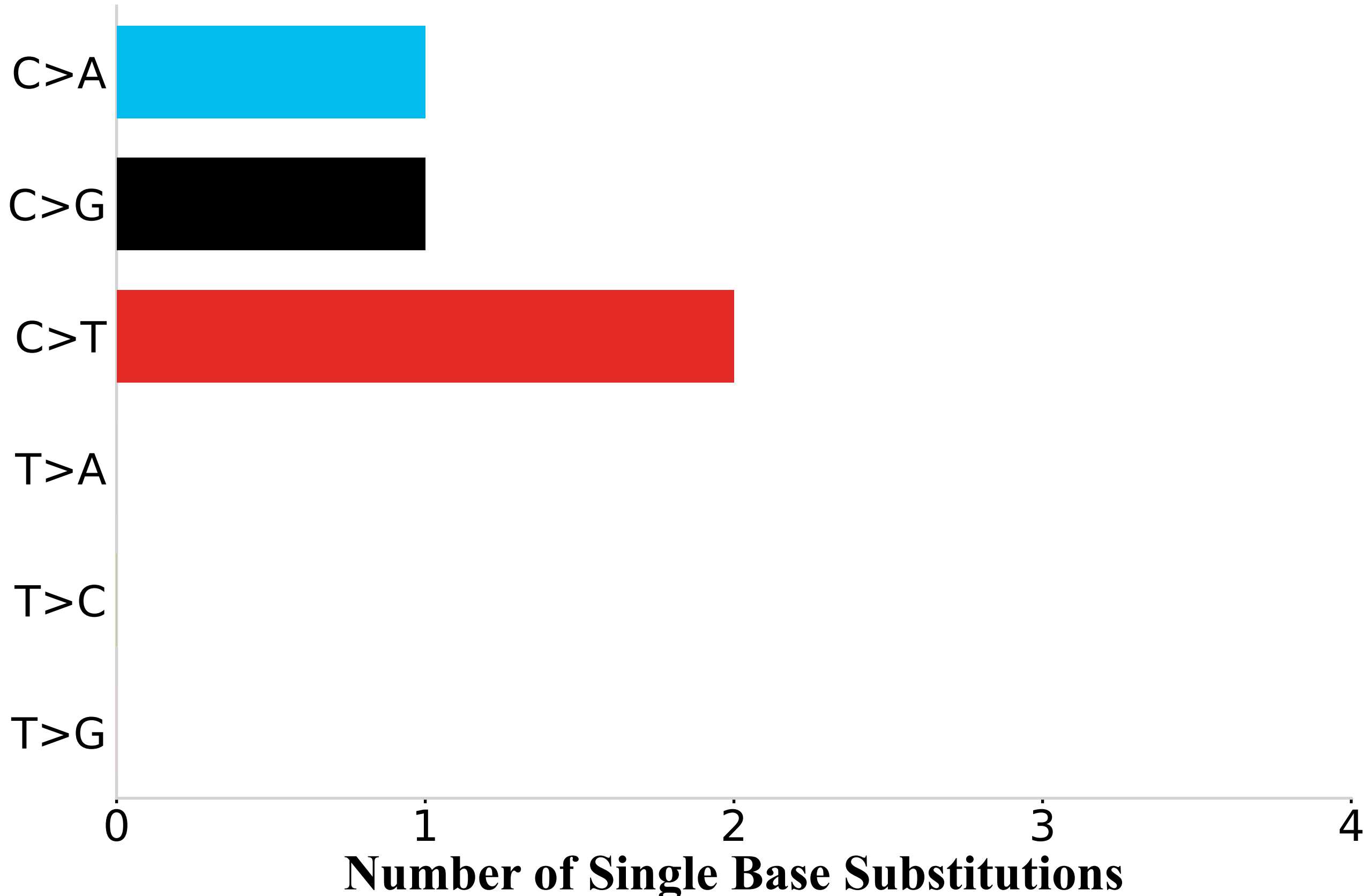
P-0001614-T01-IM3: 18 subs



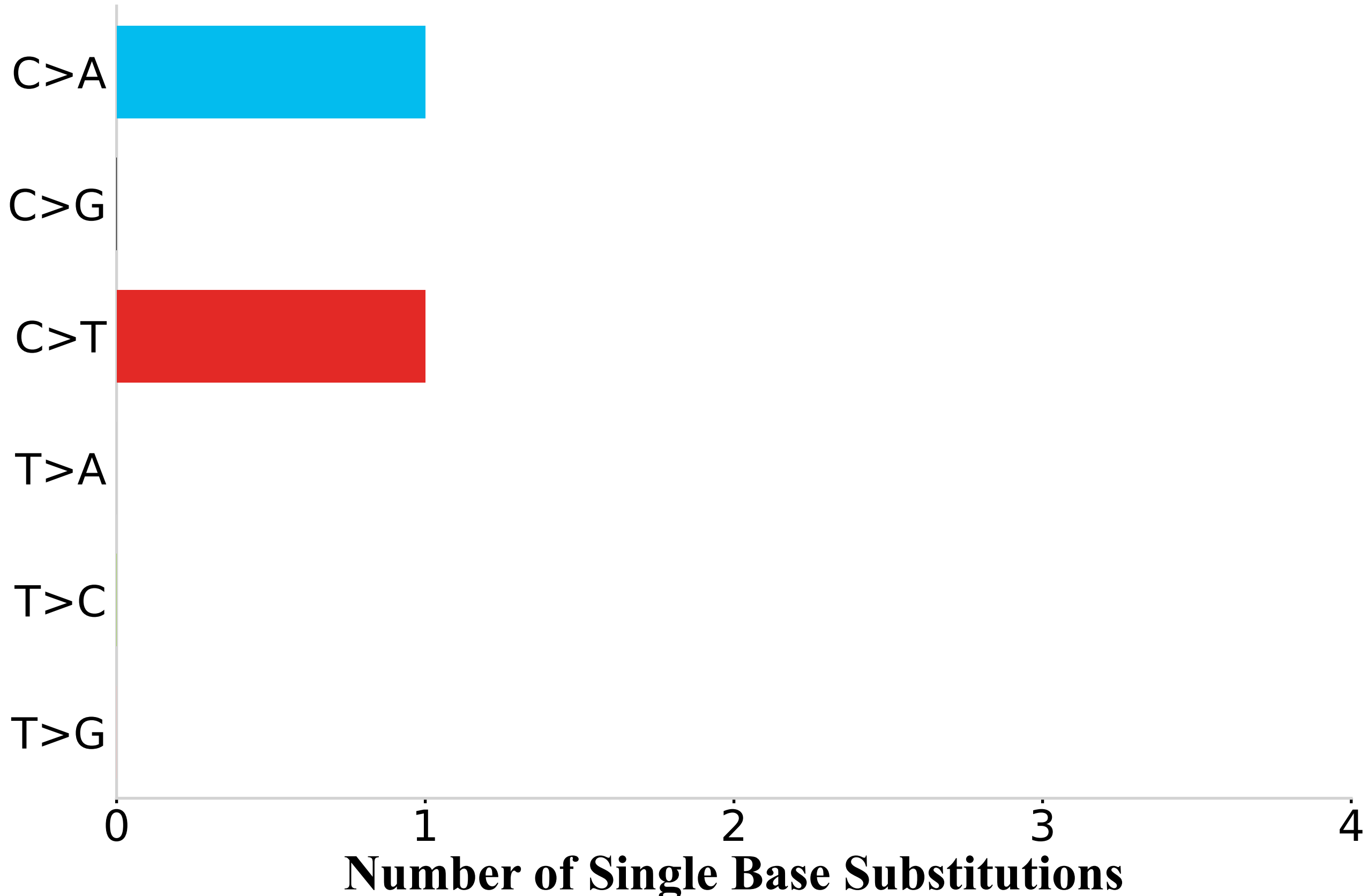
P-0001621-T01-IM3: 3 subs



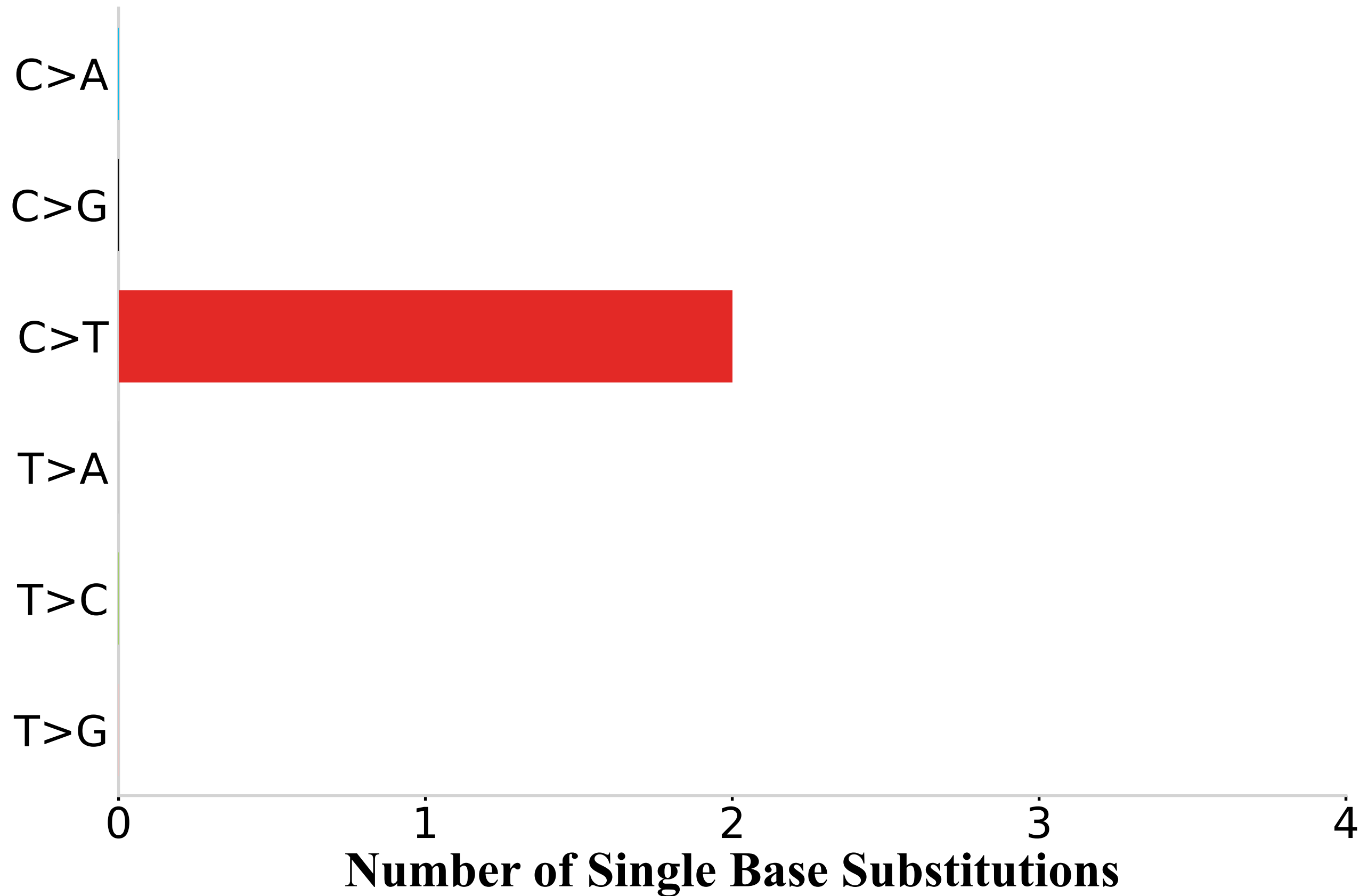
P-0001641-T01-IM3: 4 subs



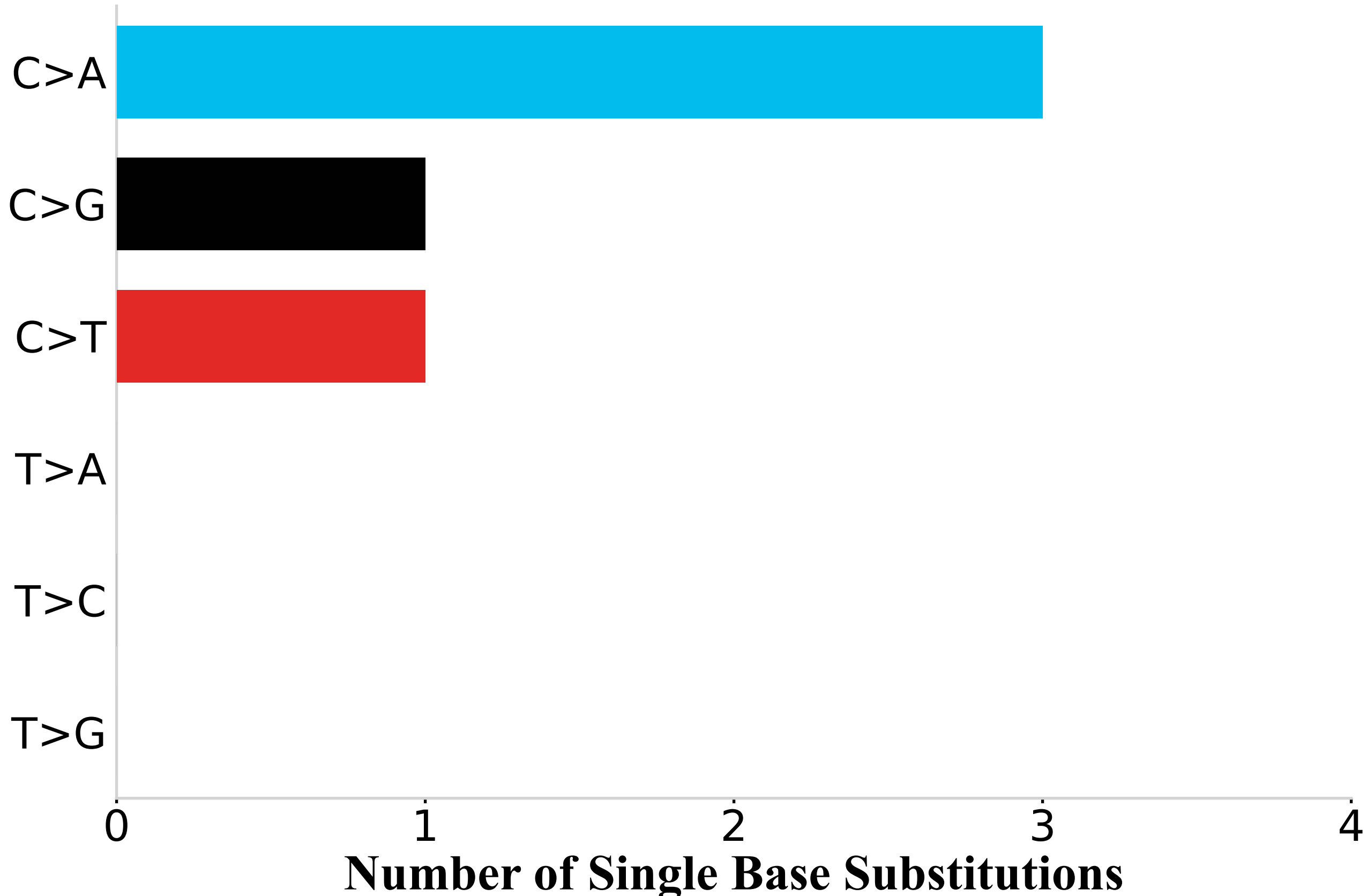
P-0001682-T01-IM3: 2 subs



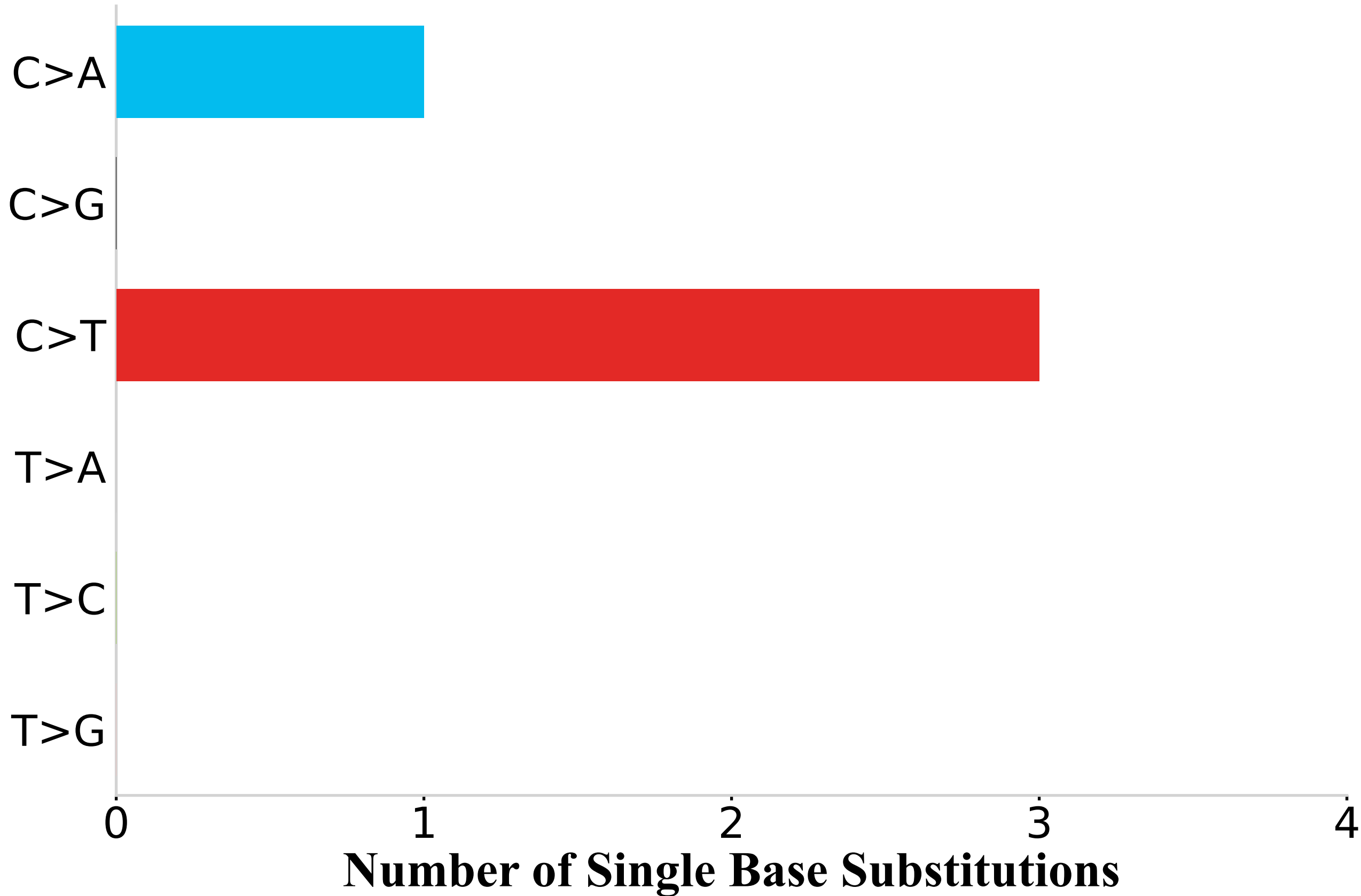
P-0001794-T01-IM3: 2 subs



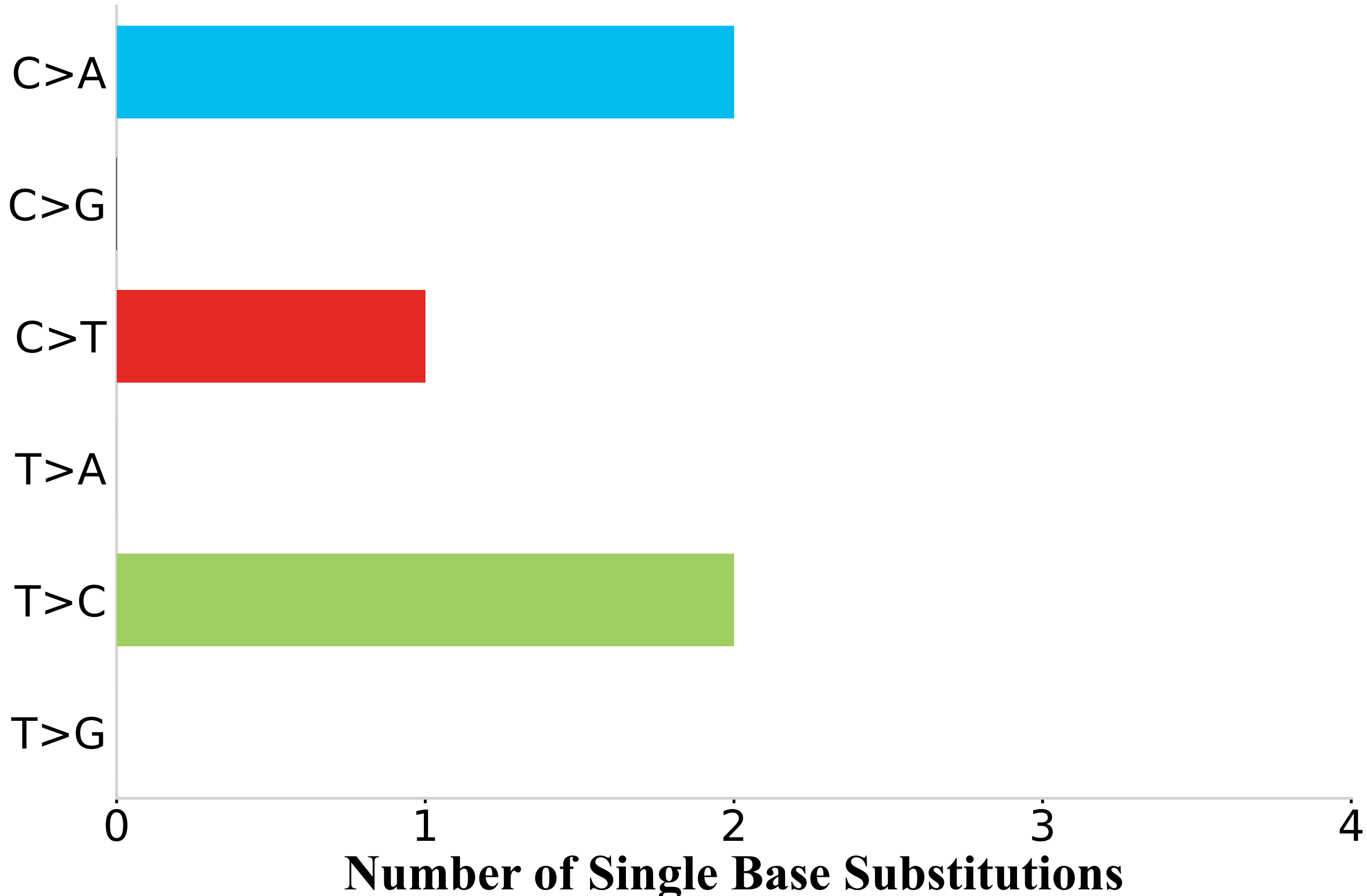
P-0001903-T01-IM3: 5 subs



P-0002073-T01-IM3: 4 subs



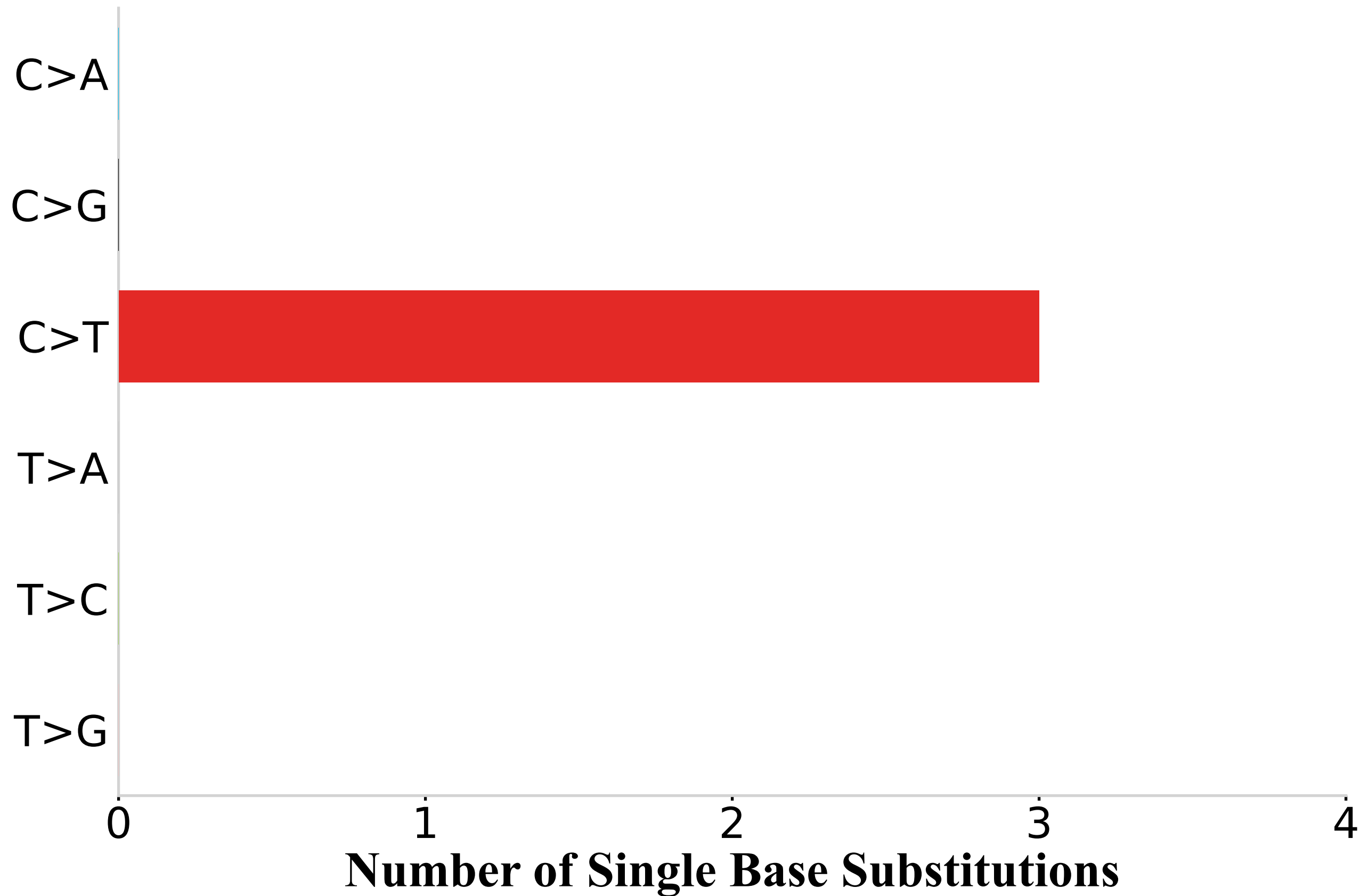
P-0002185-T01-IM3: 5 subs



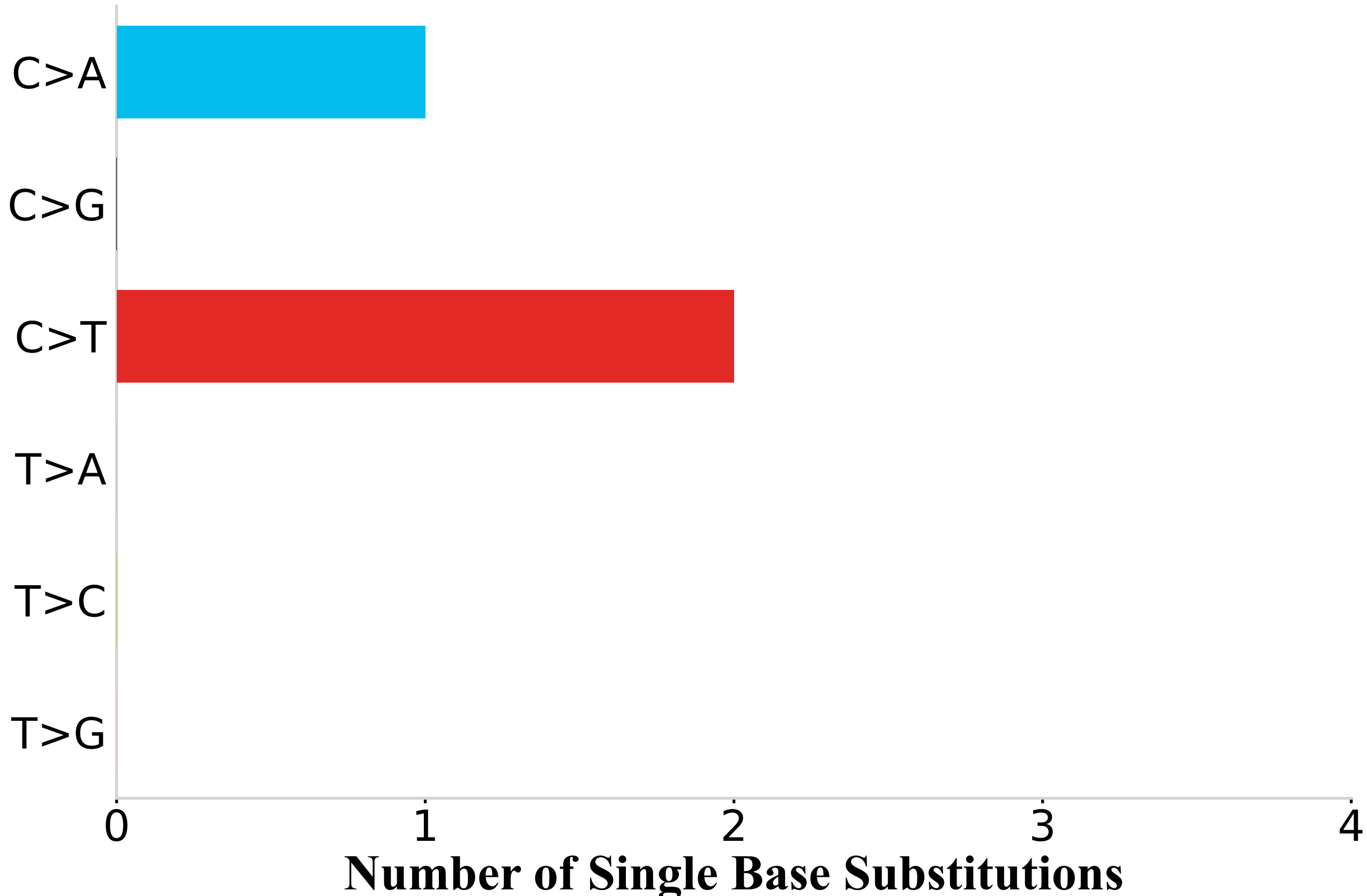
P-0002193-T01-IM3: 1 subs



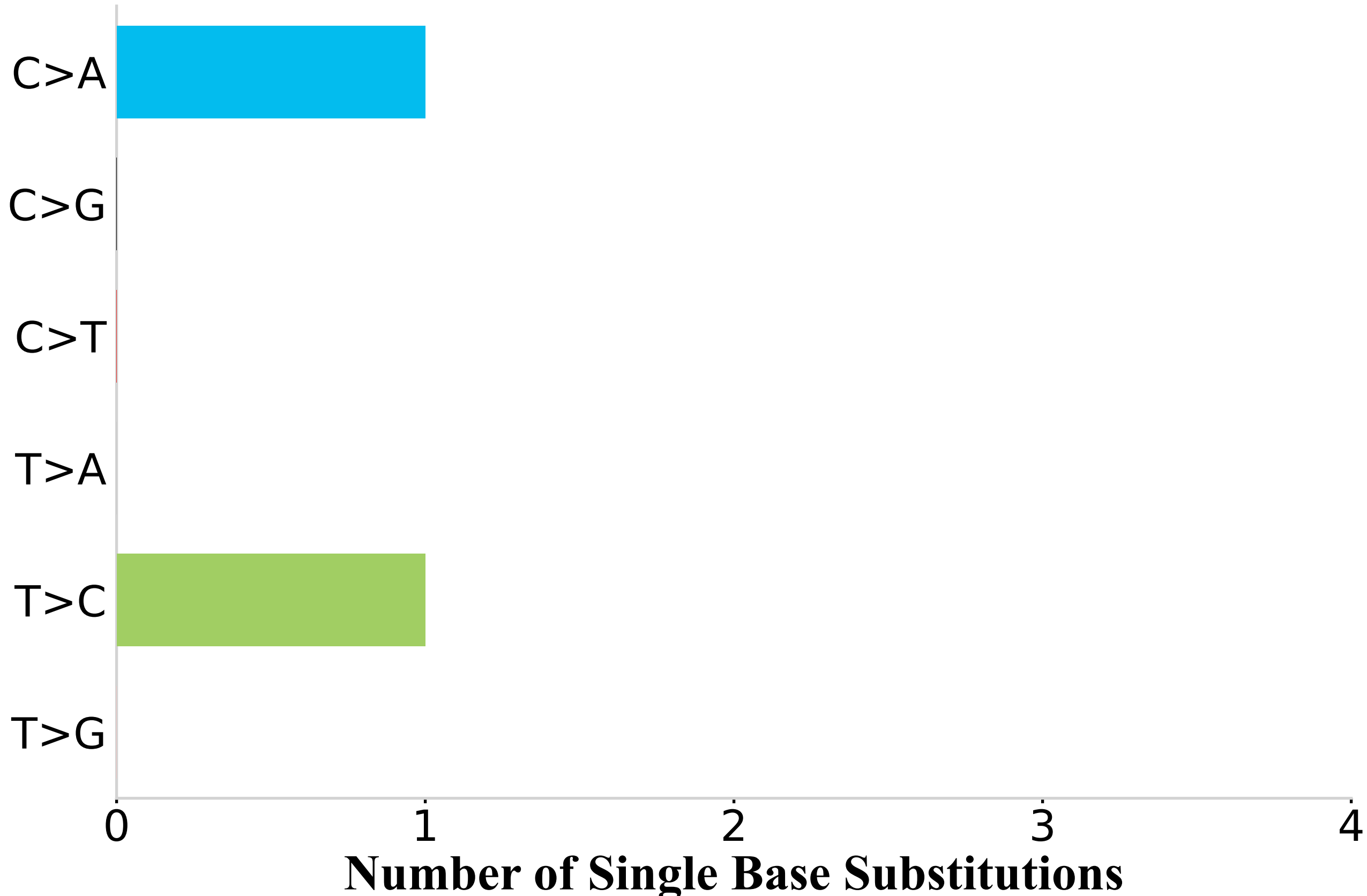
P-0002367-T01-IM3: 3 subs



P-0002469-T01-IM3: 3 subs



P-0002496-T01-IM3: 2 subs



P-0002500-T01-IM3: 2 subs

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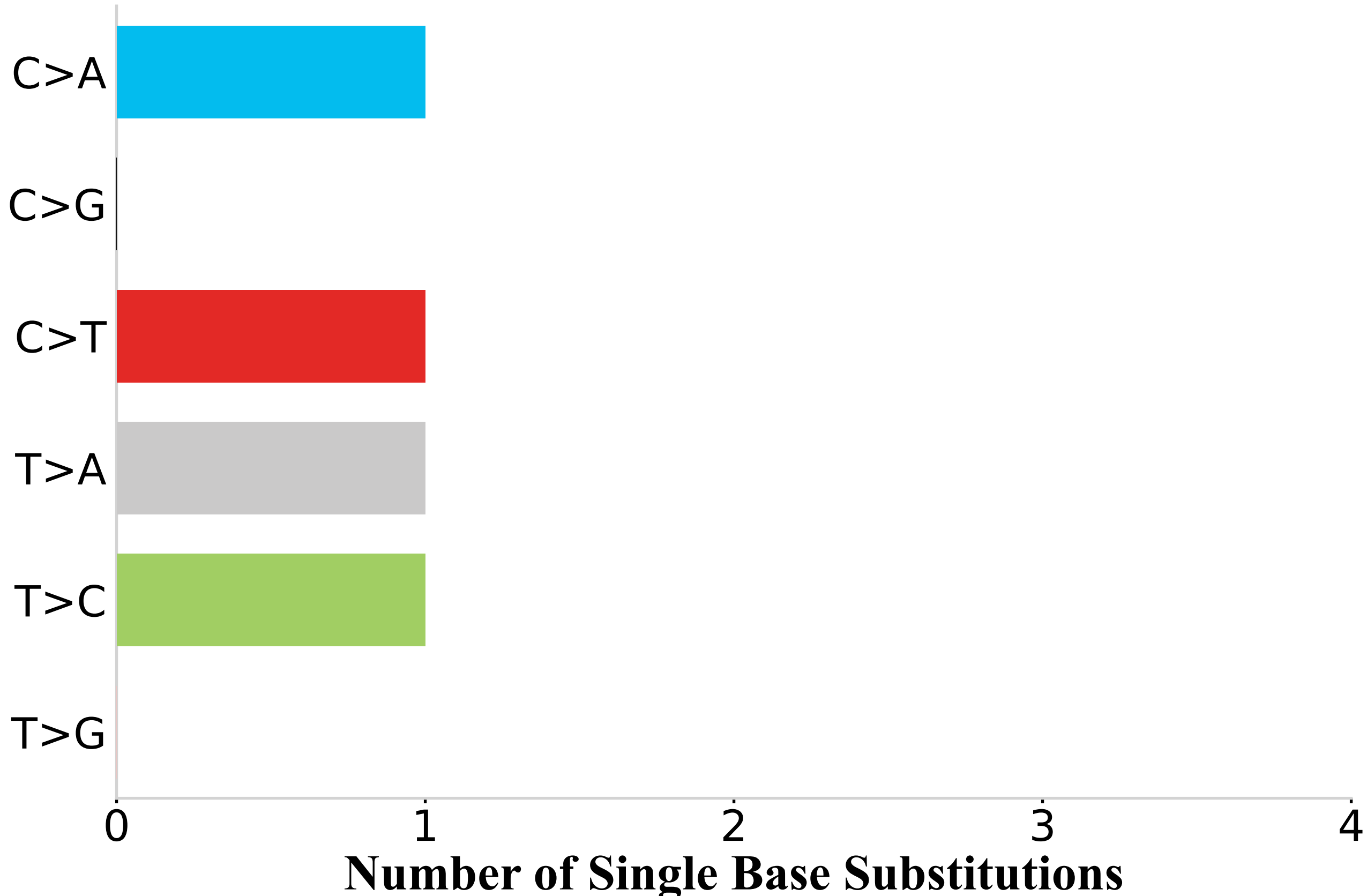
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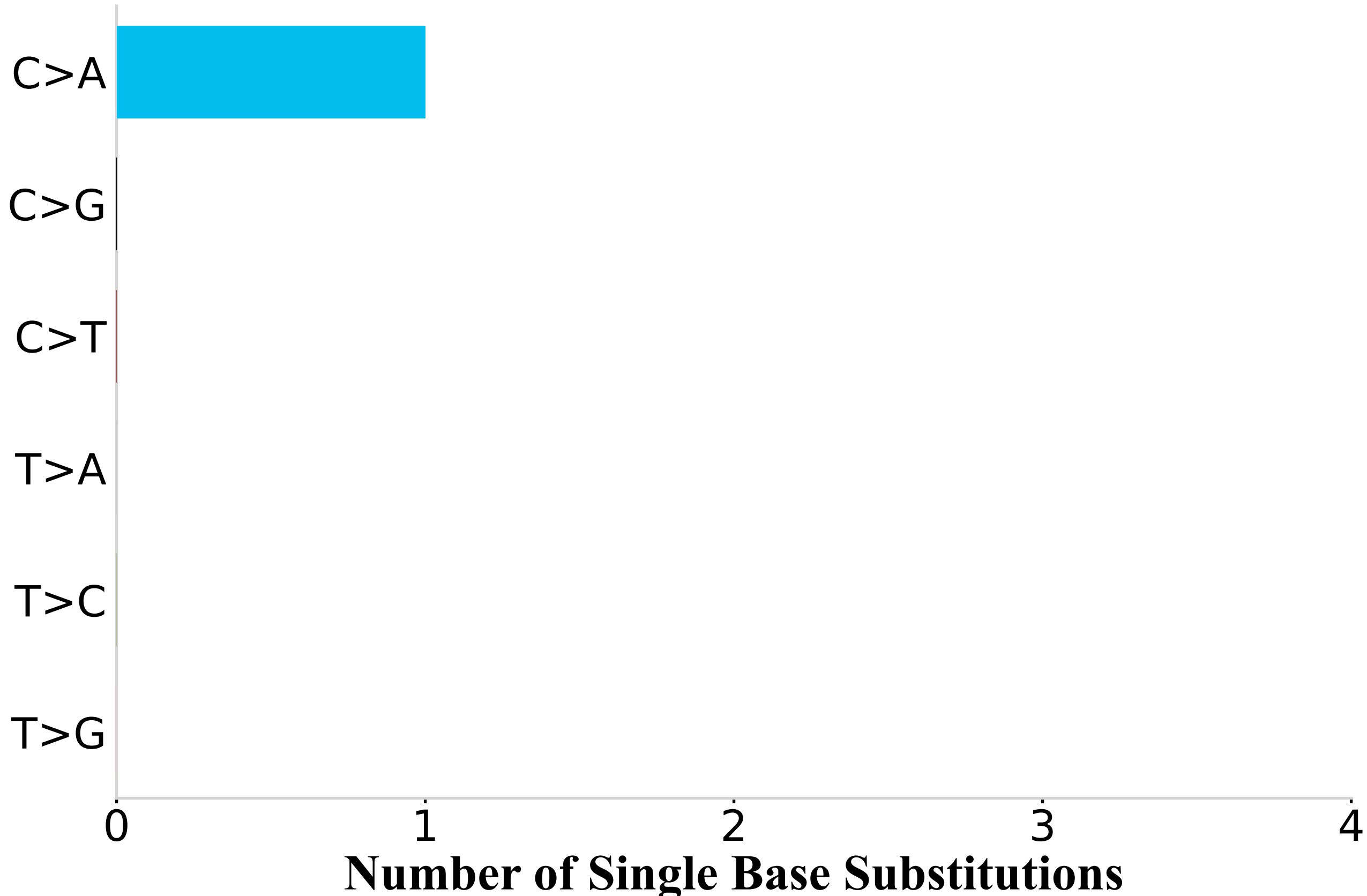
Number of Single Base Substitutions



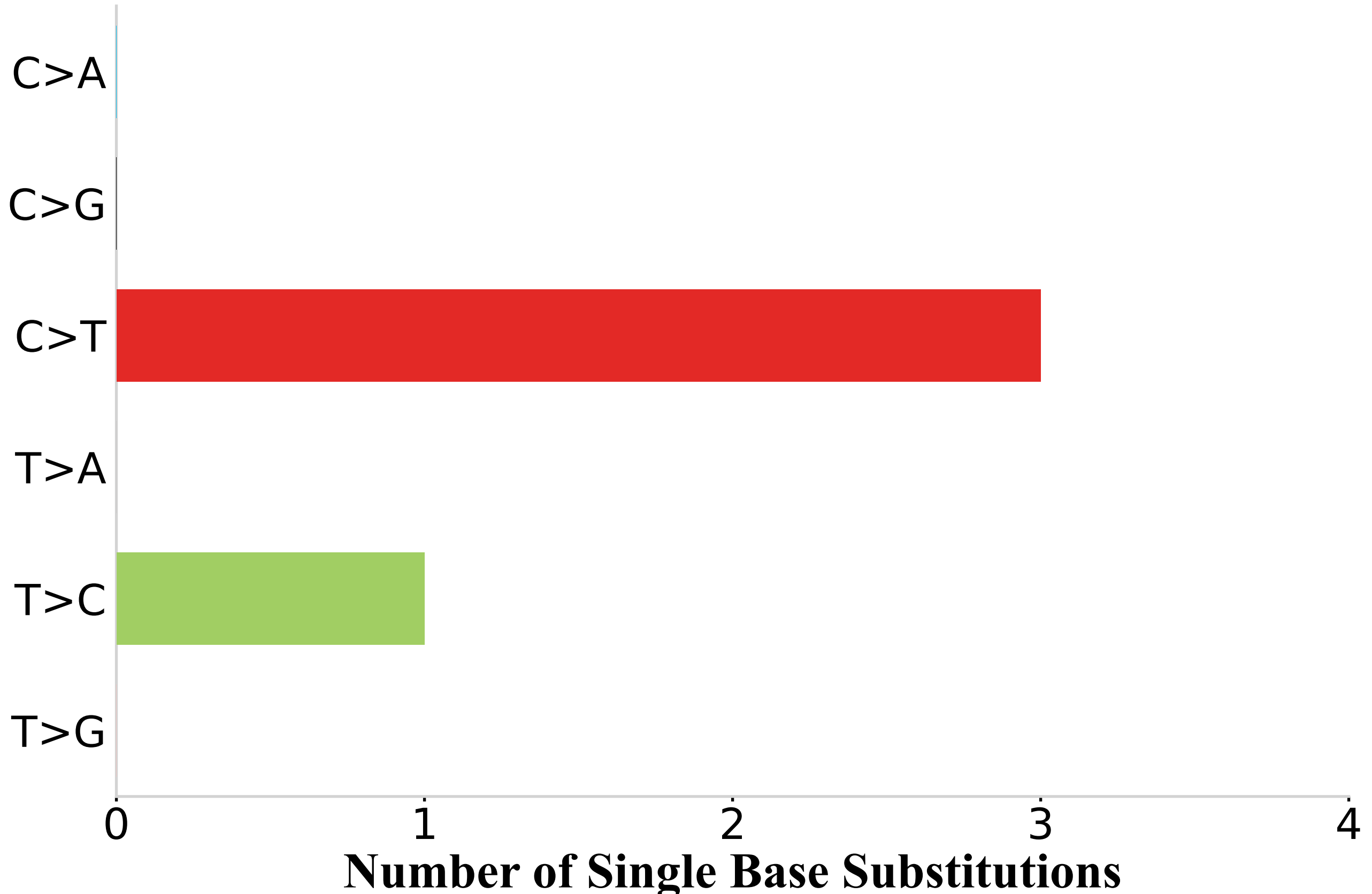
P-0002592-T01-IM3: 4 subs



P-0002603-T01-IM3: 1 subs



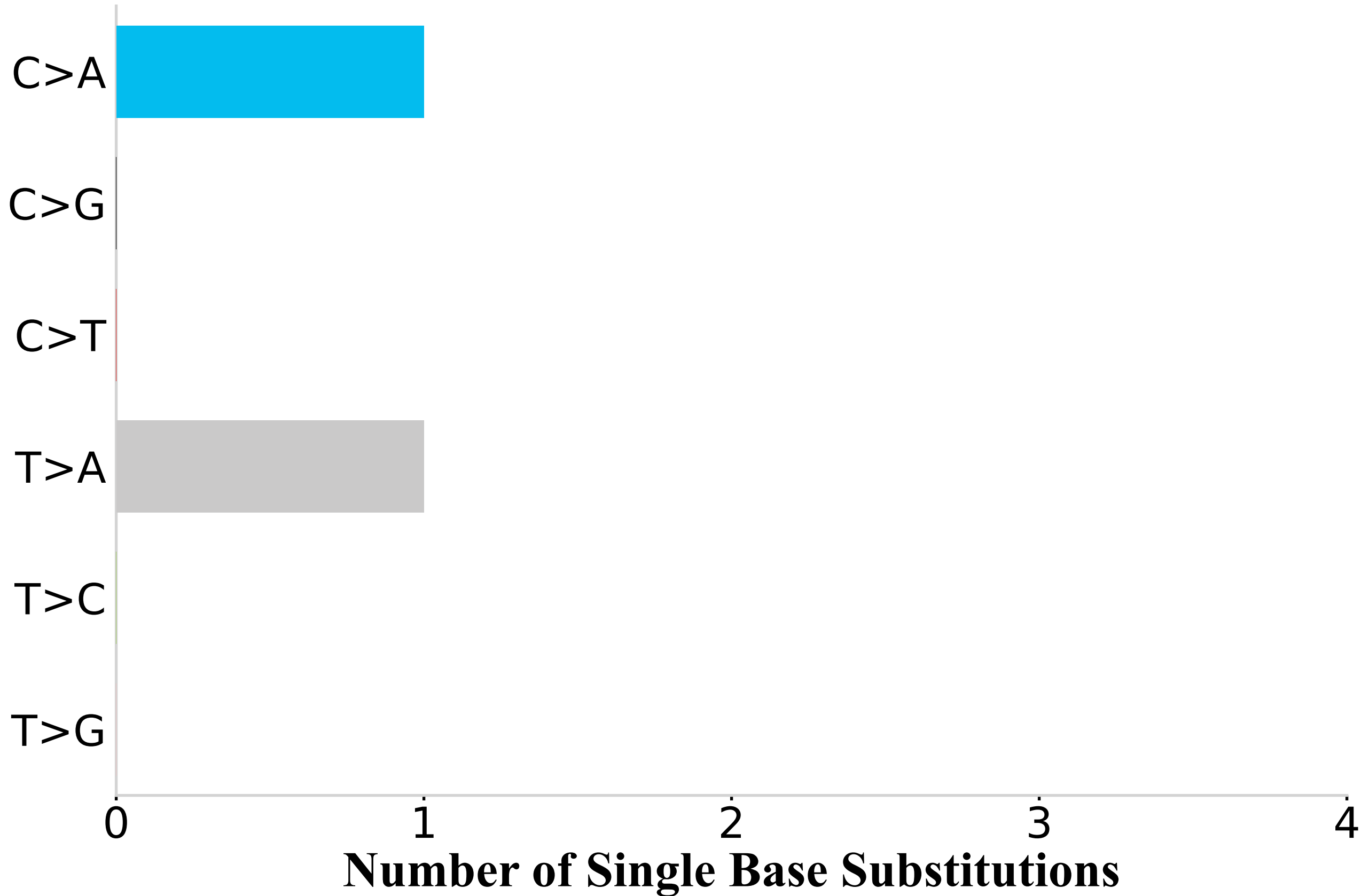
P-0002746-T01-IM3: 4 subs



P-0002750-T02-IM3: 3 subs



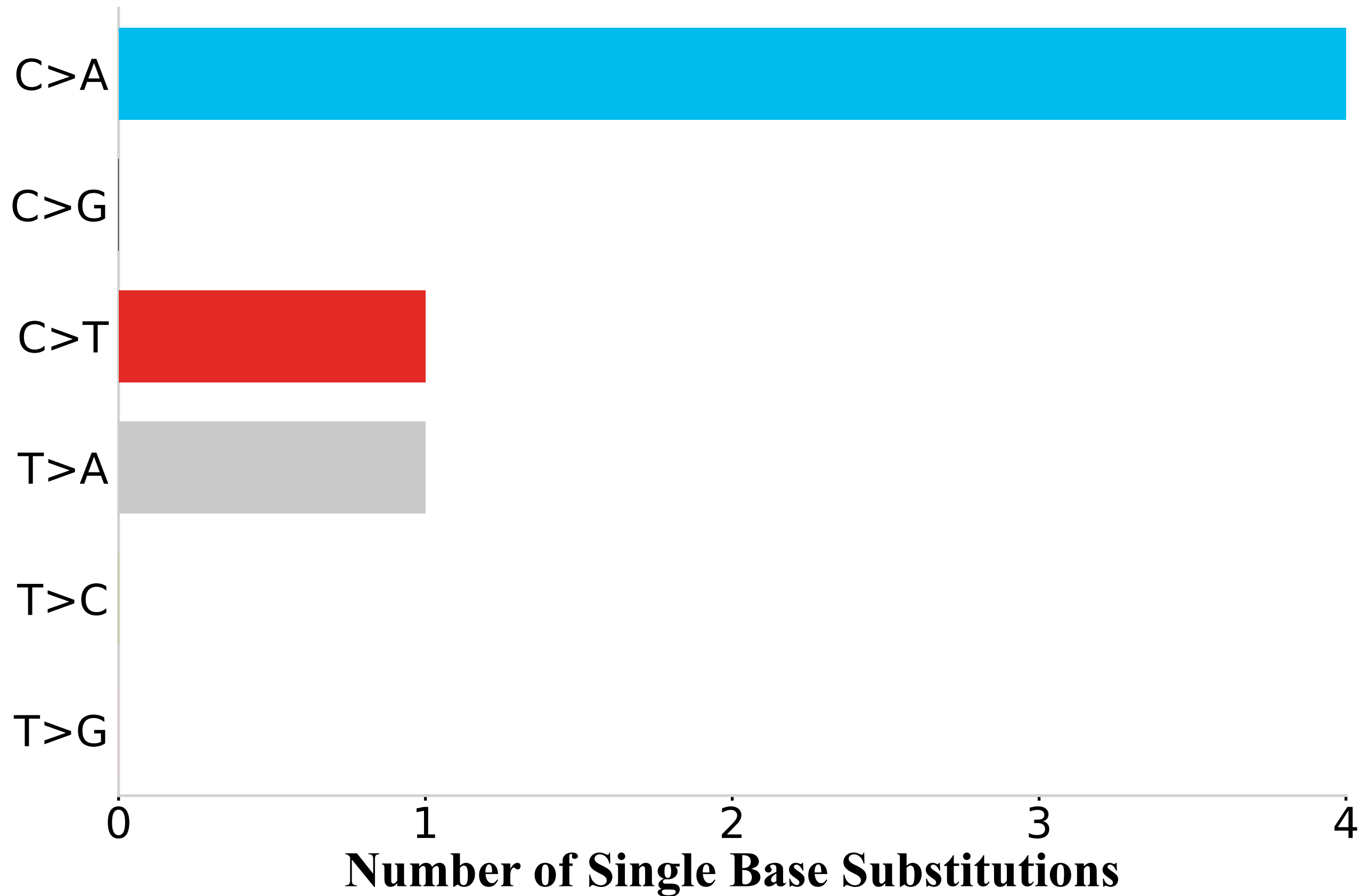
P-0002854-T01-IM3: 2 subs



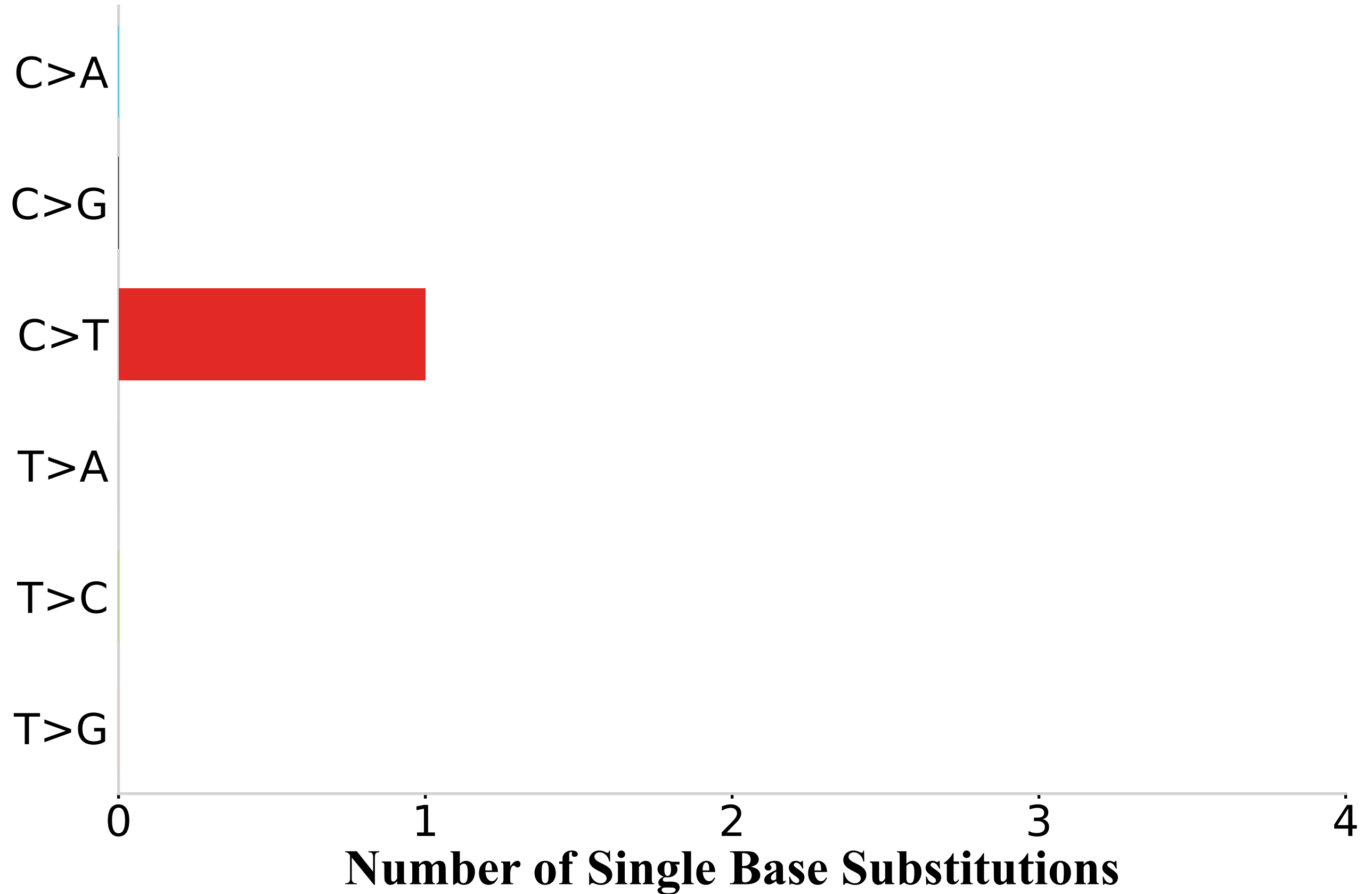
P-0002939-T01-IM3: 1 subs



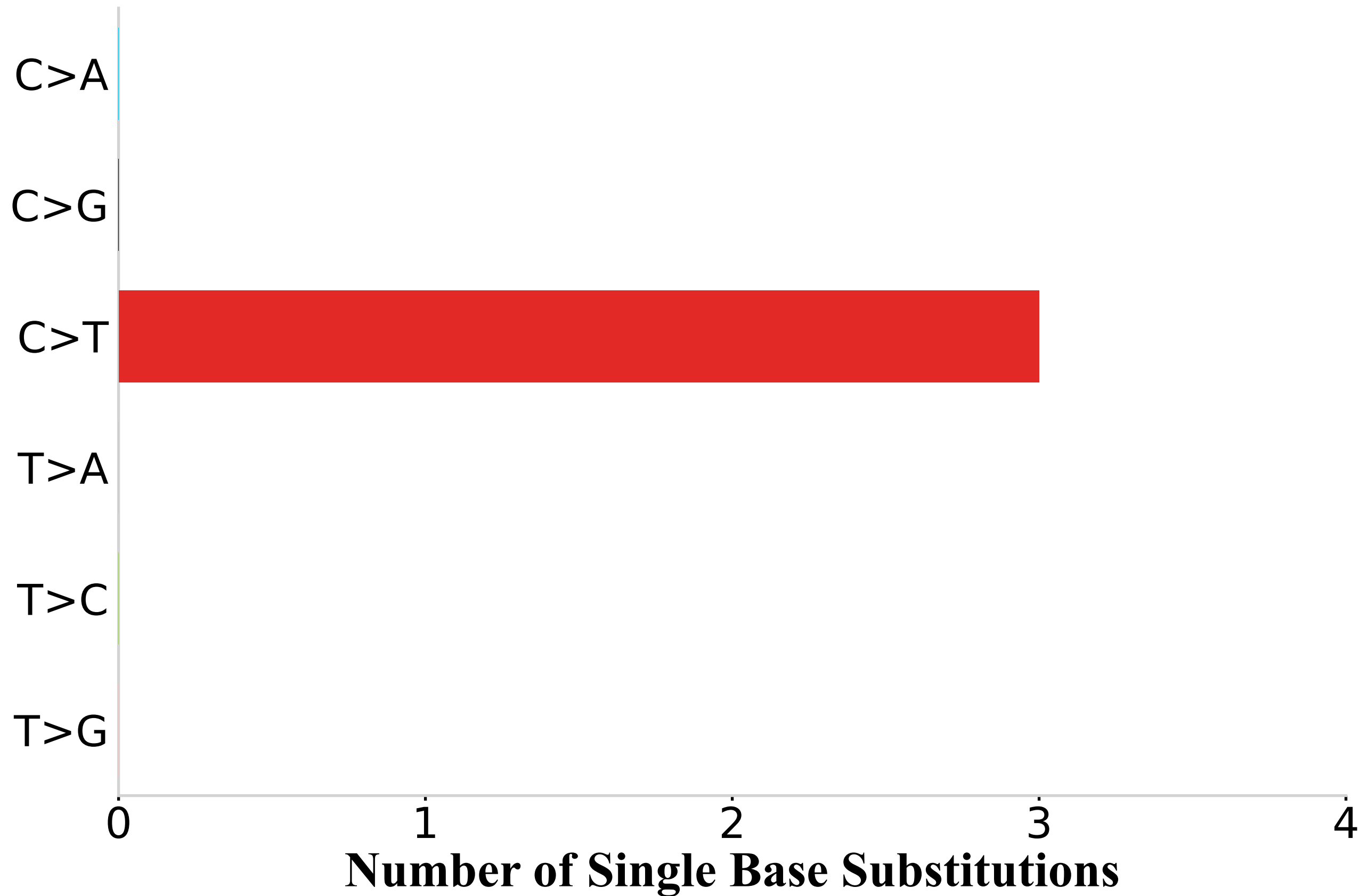
P-0003009-T01-IM3: 6 subs



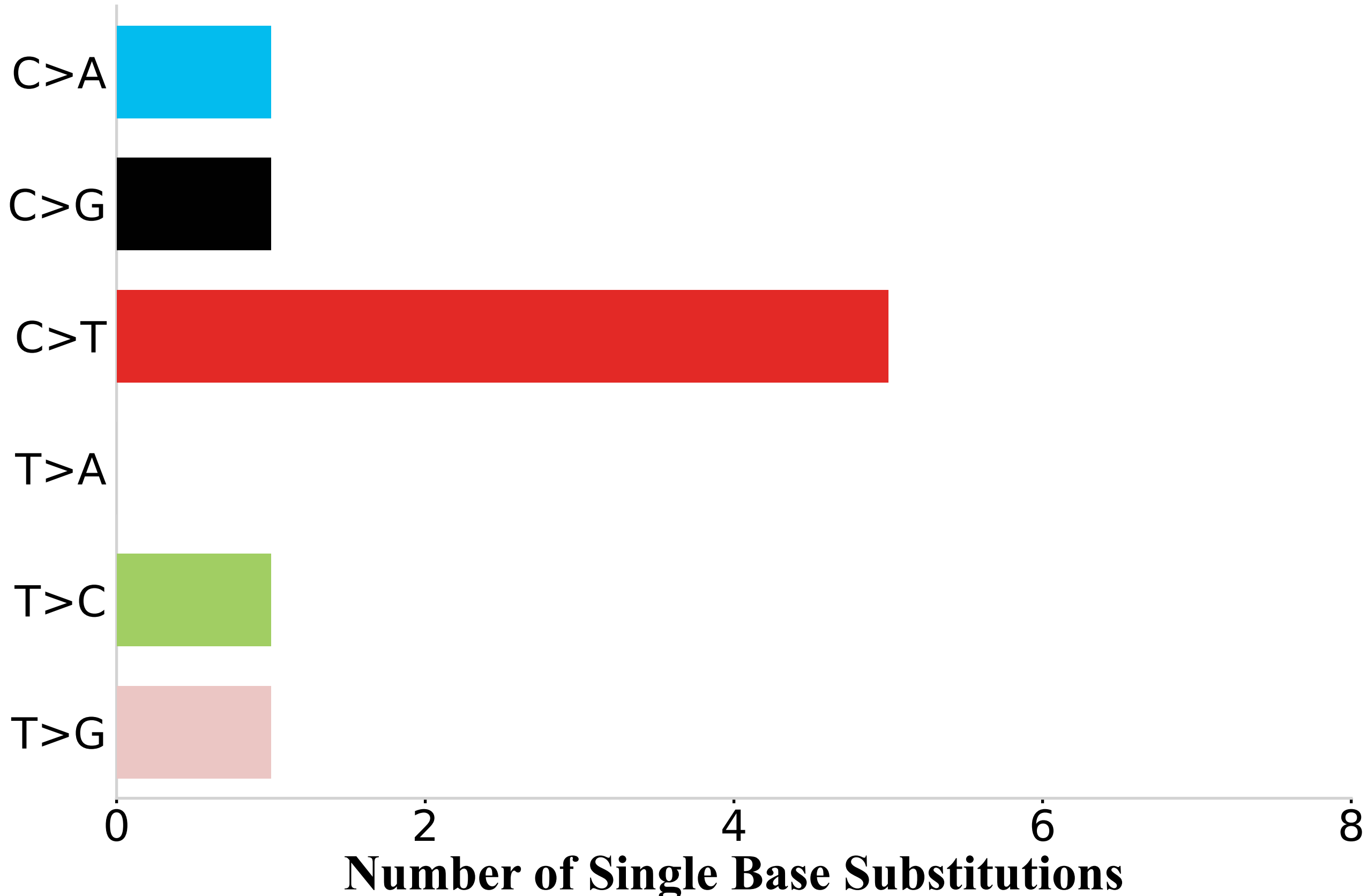
P-0003031-T01-IM5: 1 subs



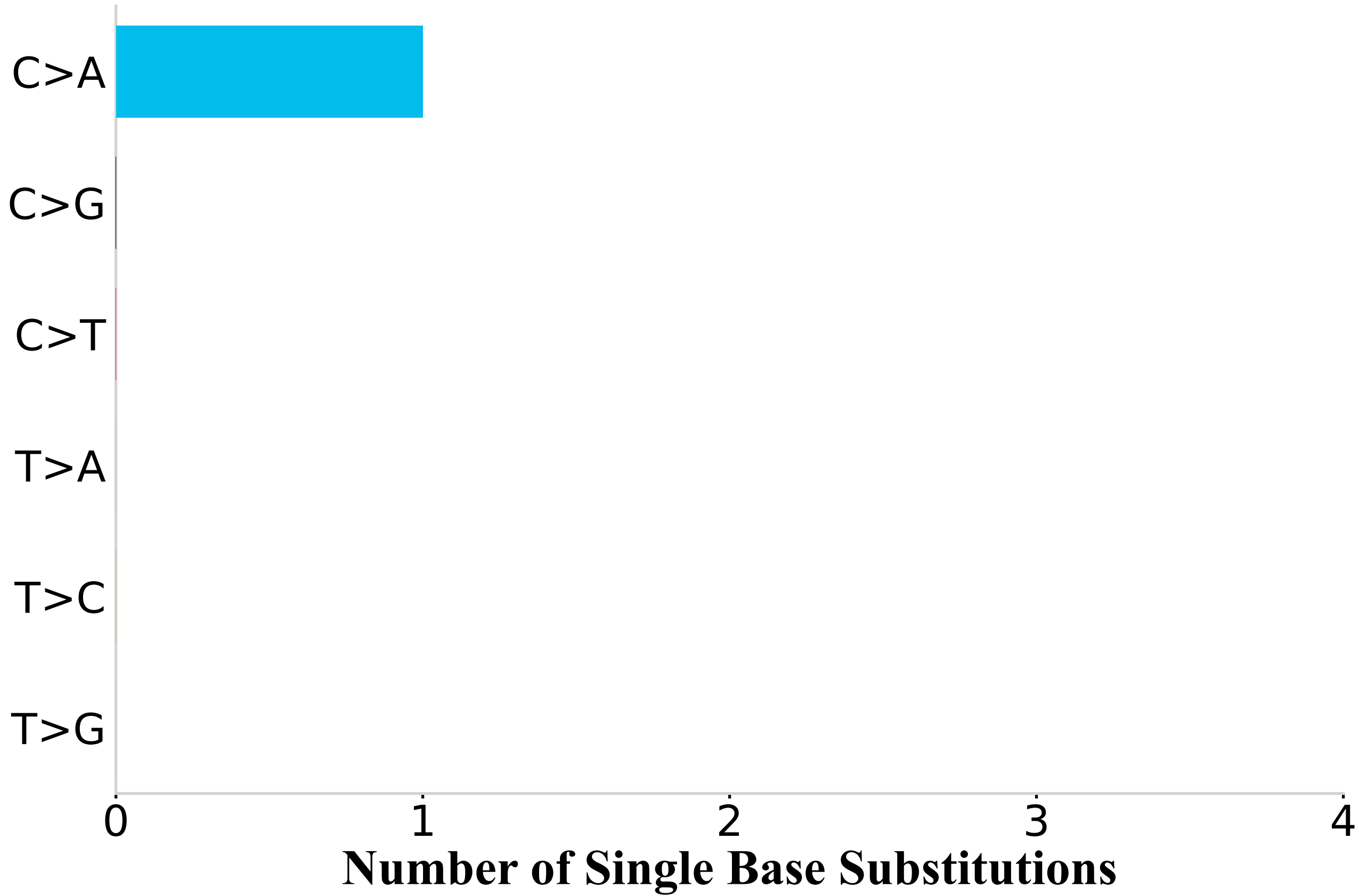
P-0003049-T01-IM5: 3 subs



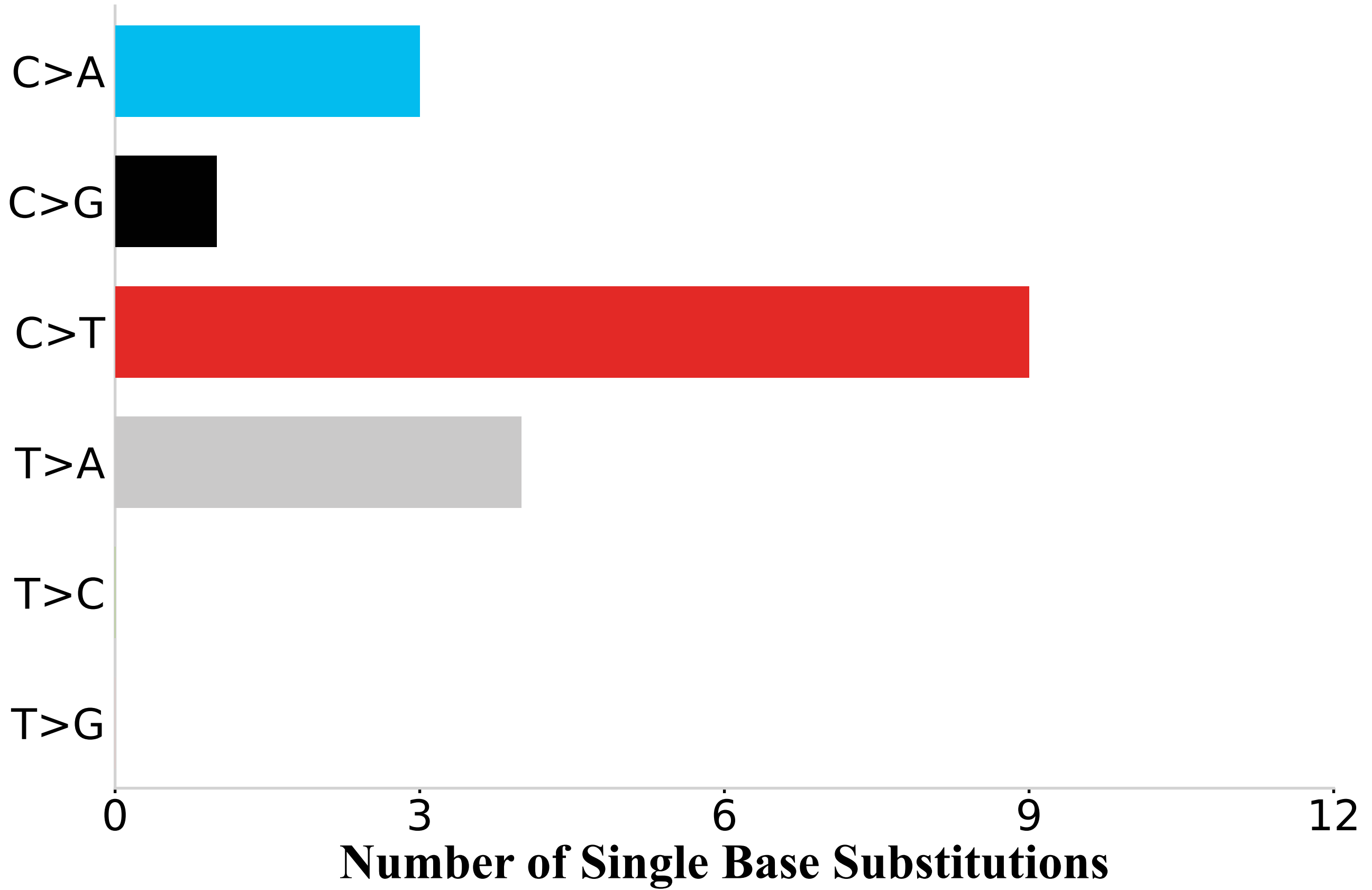
P-0003080-T01-IM5: 9 subs



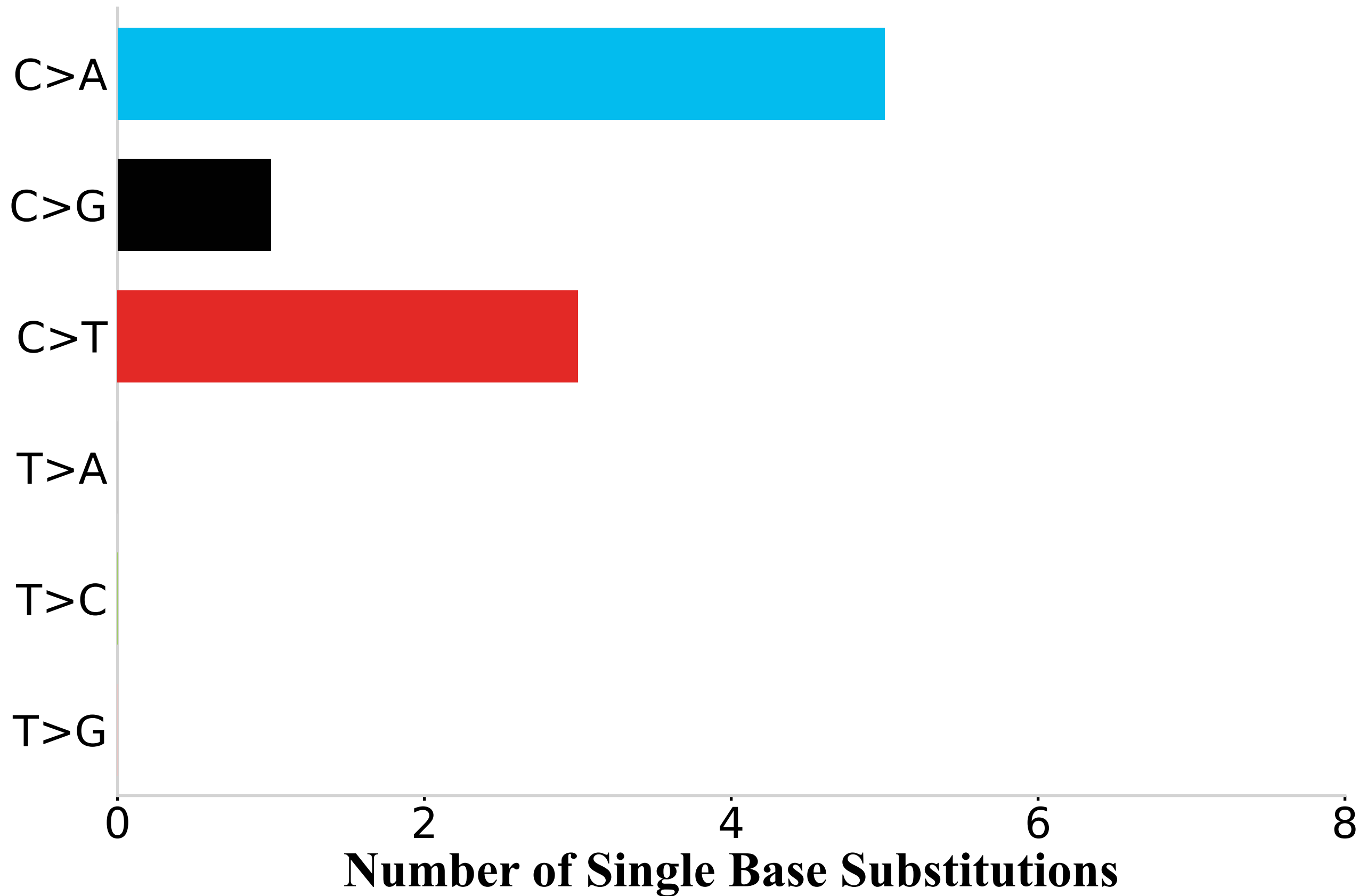
P-0003106-T01-IM5: 1 subs



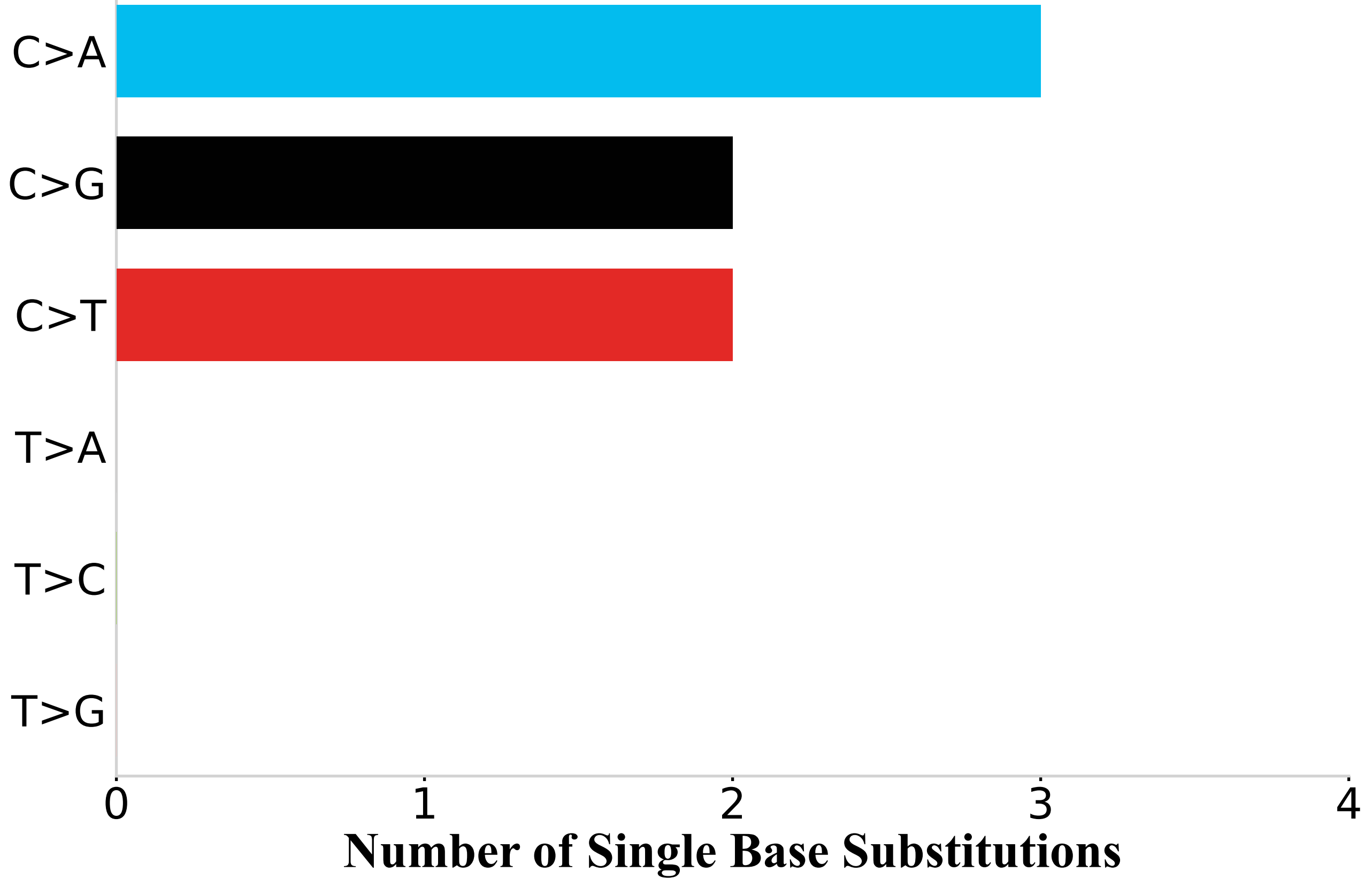
P-0003320-T01-IM5: 17 subs



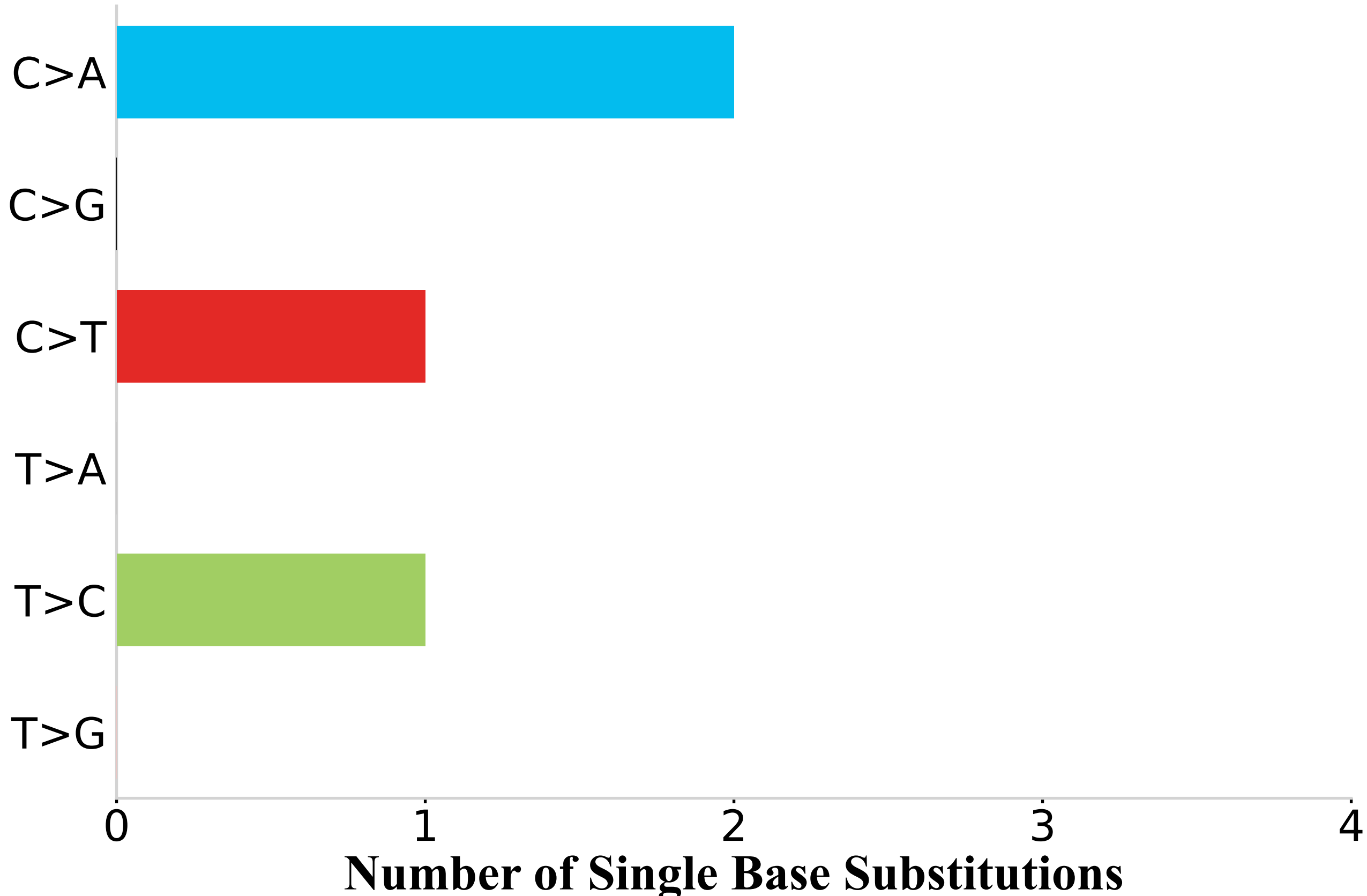
P-0003331-T01-IM5: 9 subs



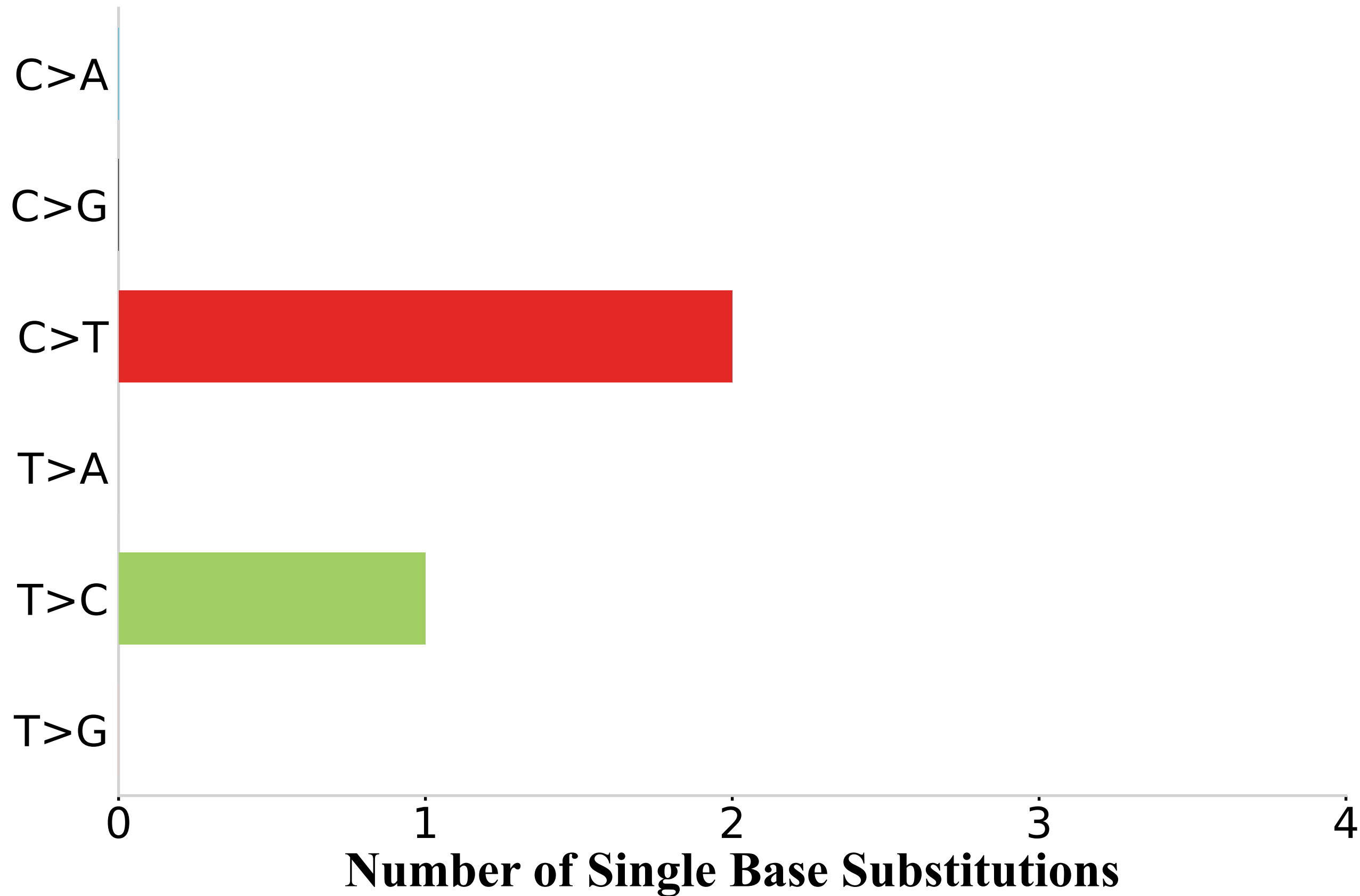
P-0003711-T01-IM5: 7 subs



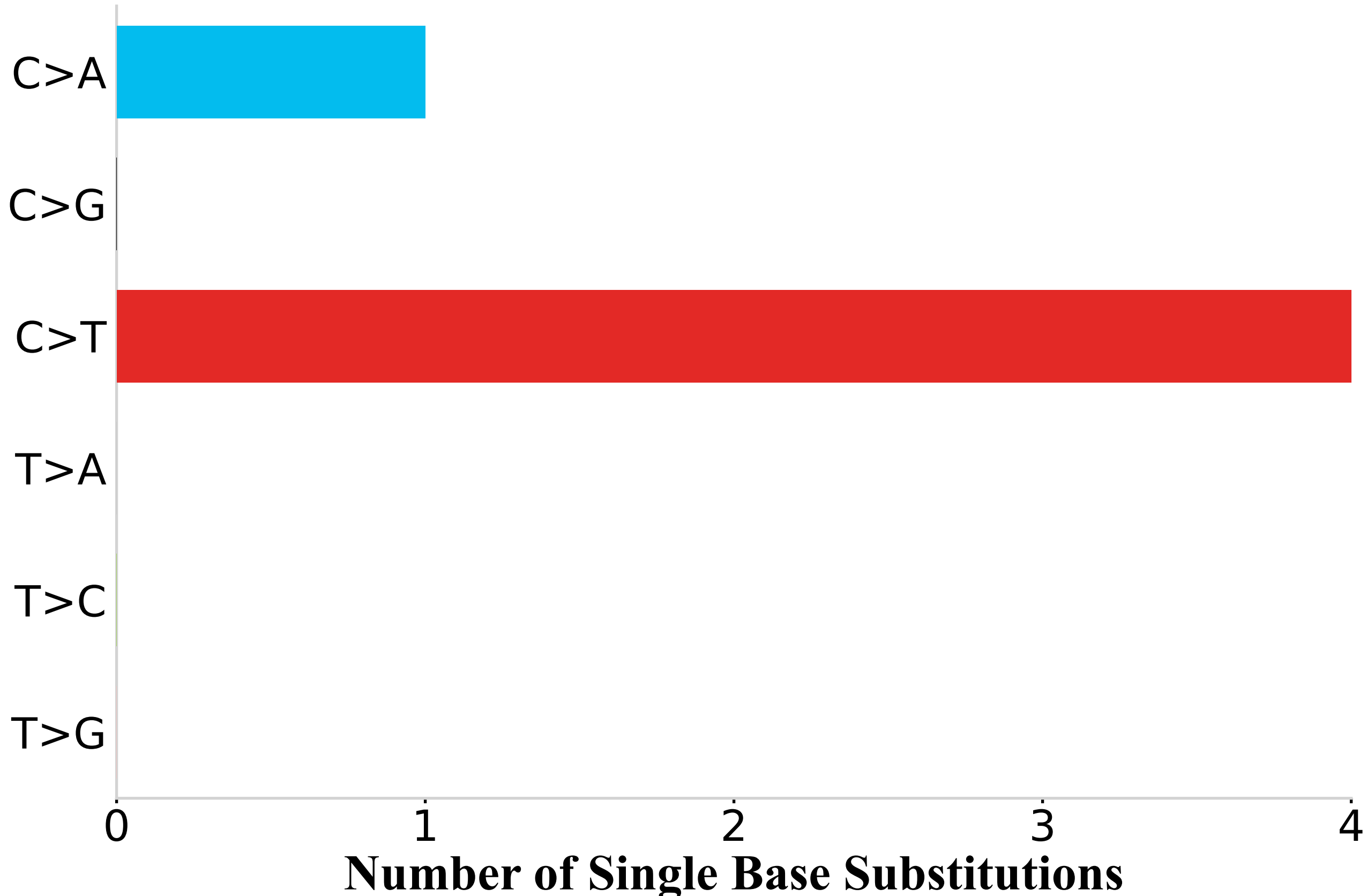
P-0003928-T01-IM5: 4 subs



P-0004174-T01-IM5: 3 subs



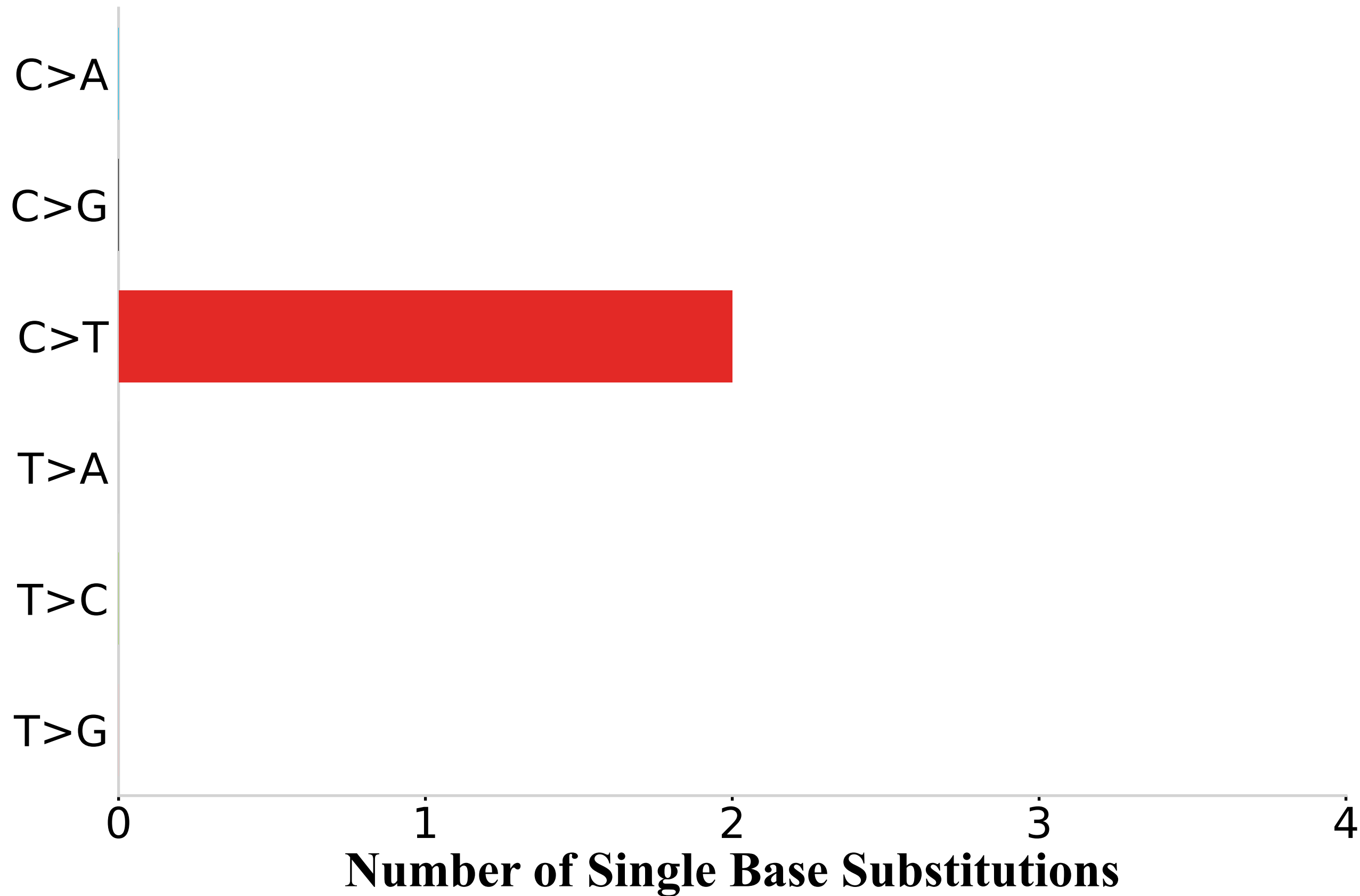
P-0004352-T01-IM5: 5 subs



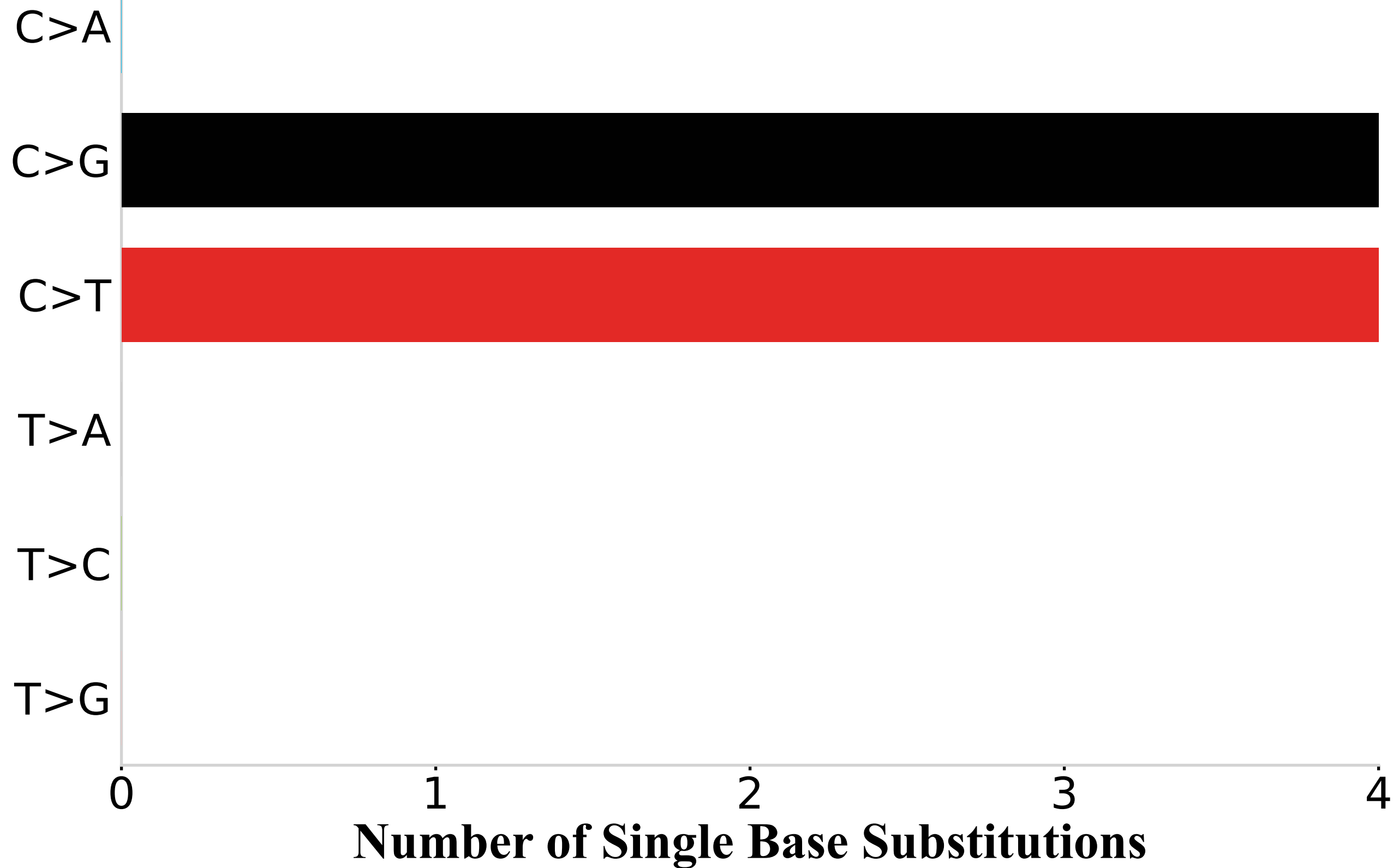
P-0004416-T01-IM5: 2 subs



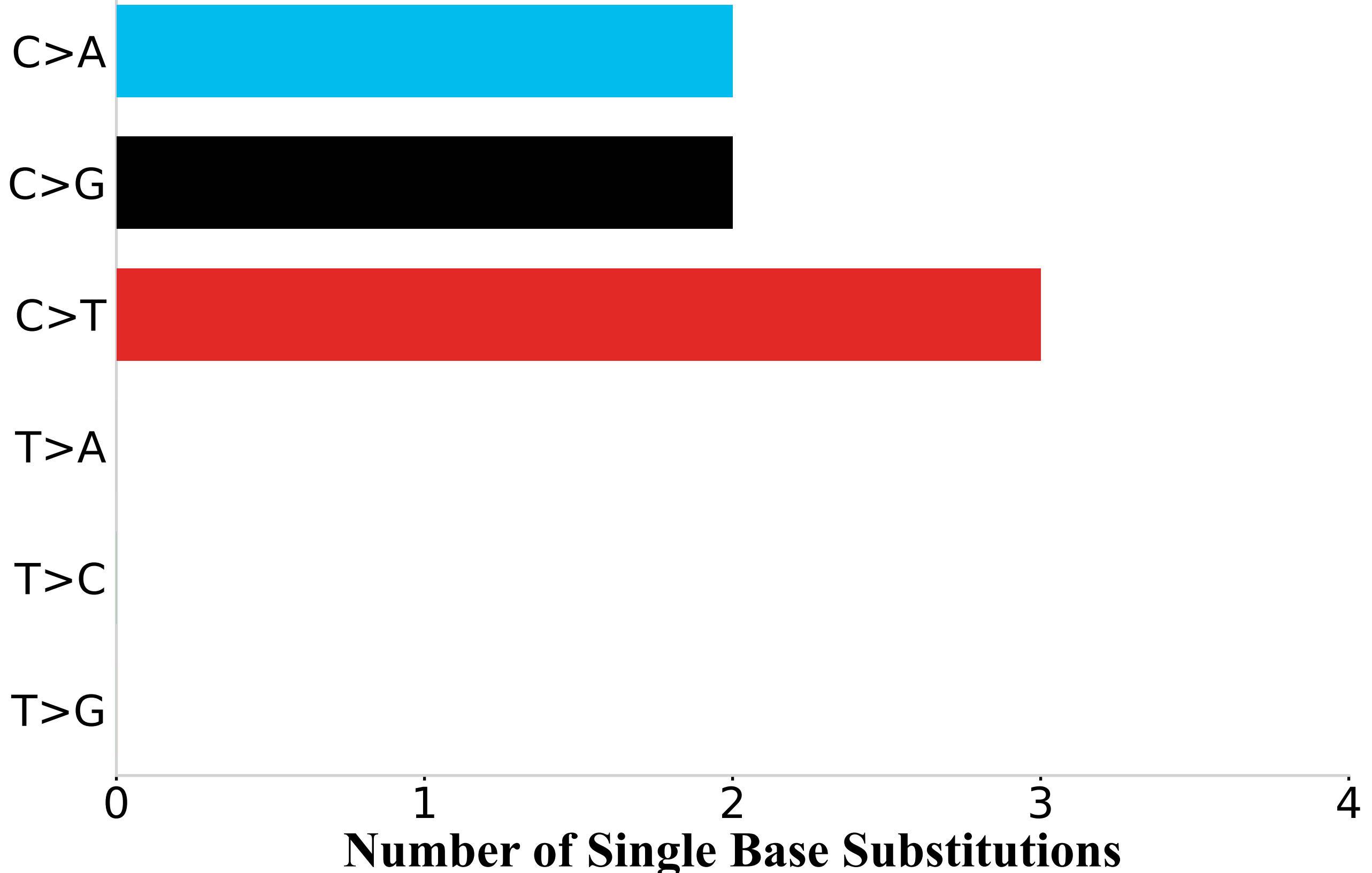
P-0004492-T01-IM5: 2 subs



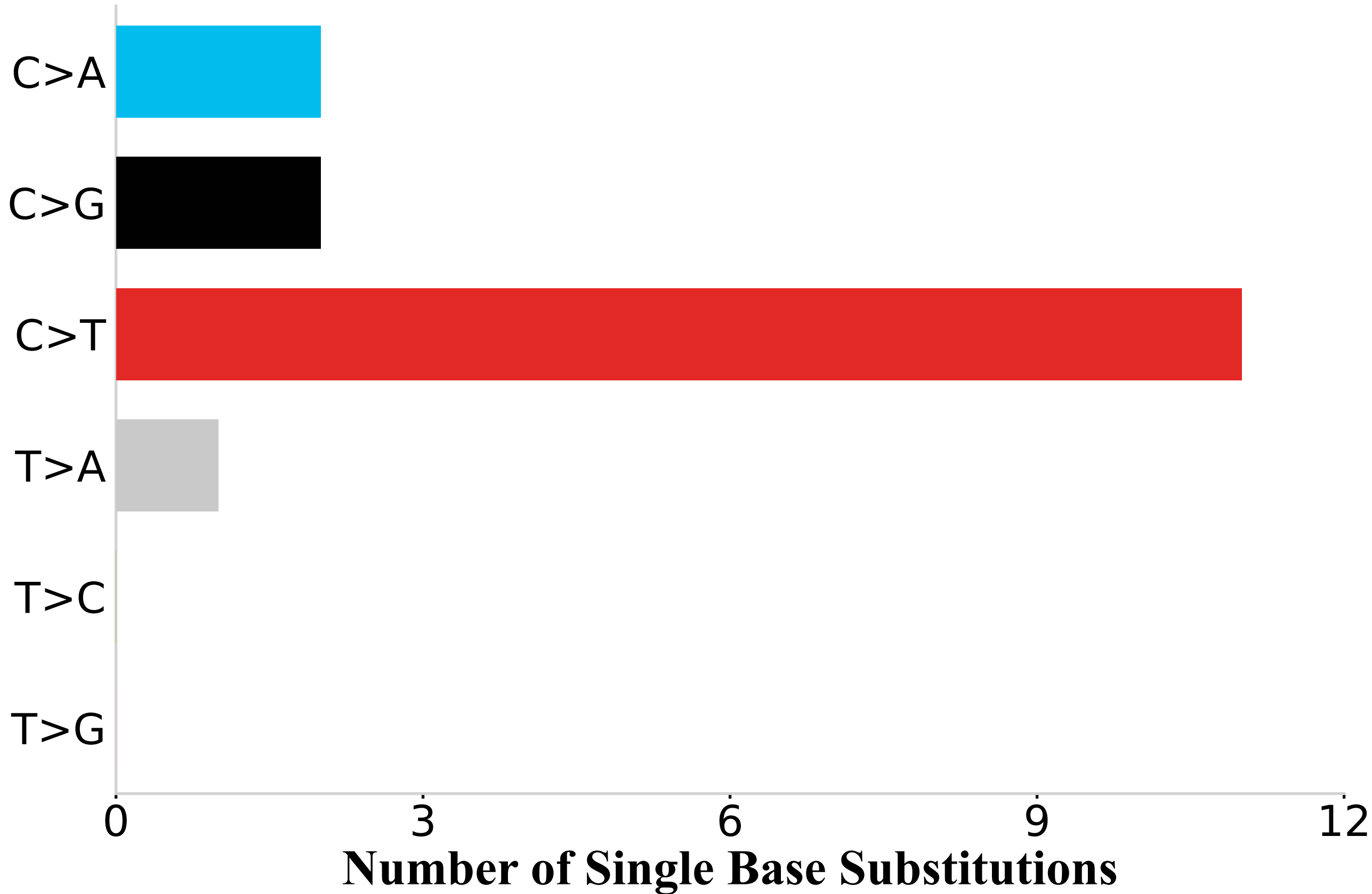
P-0004619-T01-IM5: 8 subs



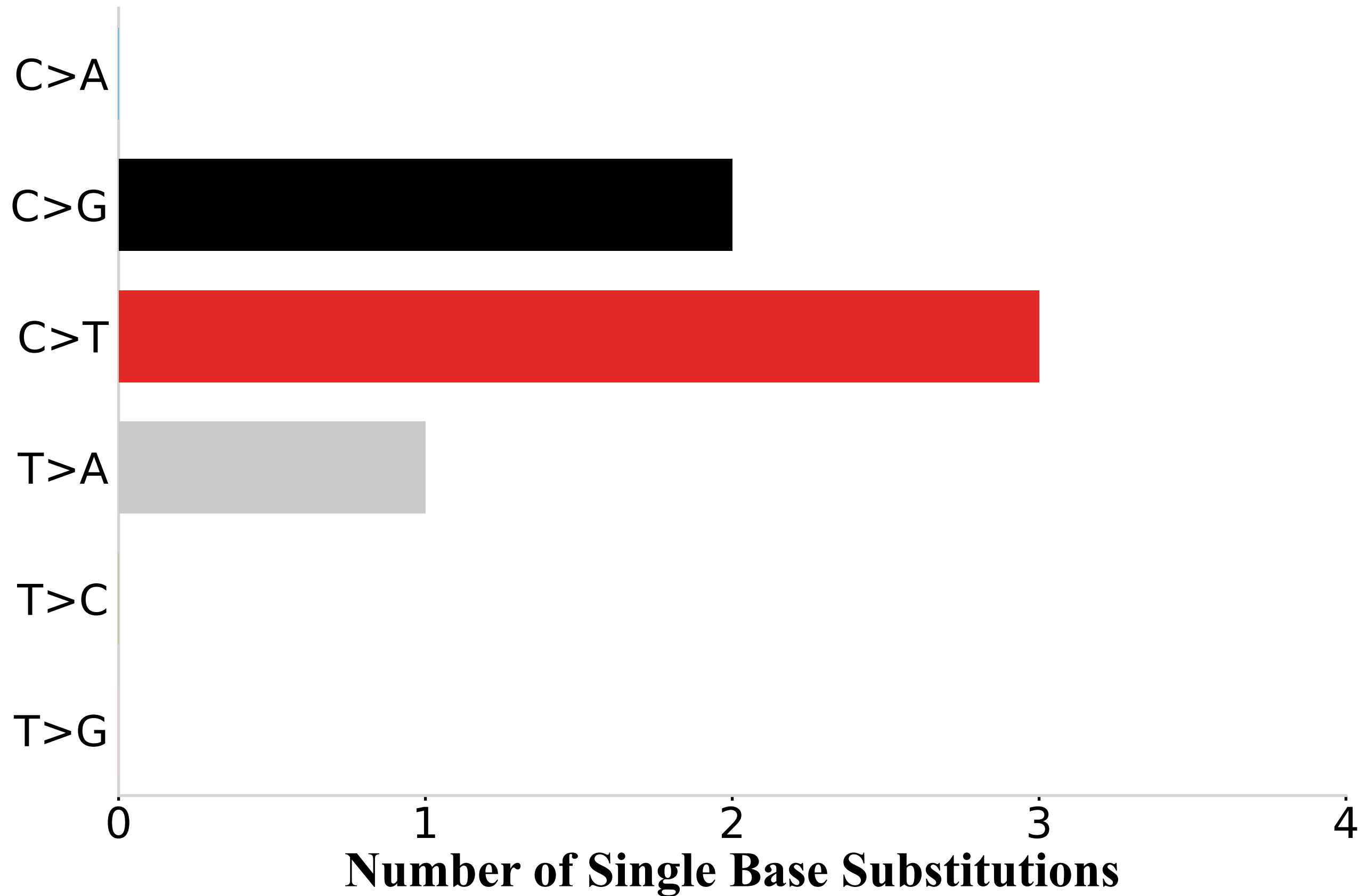
P-0004936-T01-IM5: 7 subs



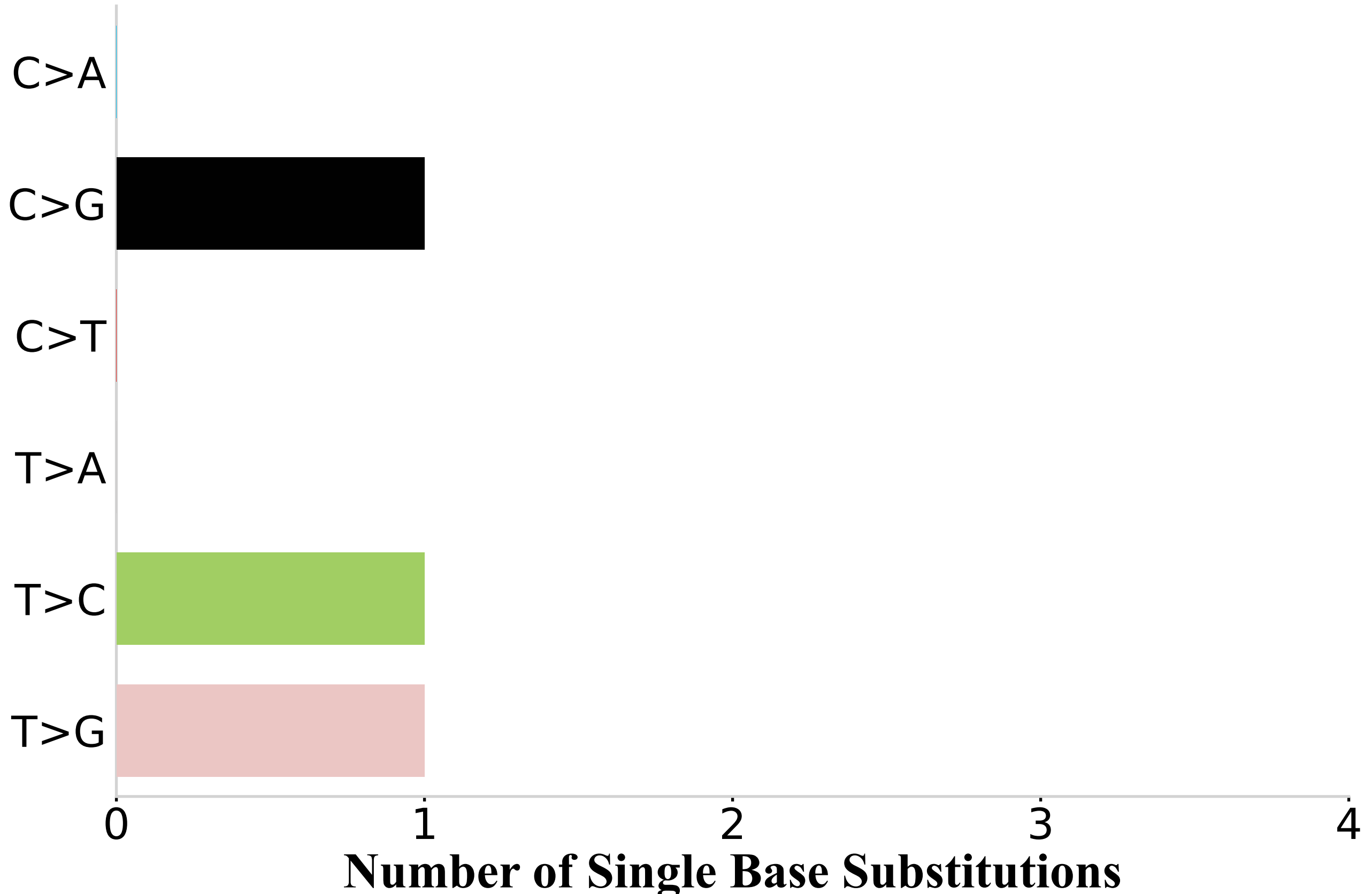
P-0005212-T01-IM5: 16 subs



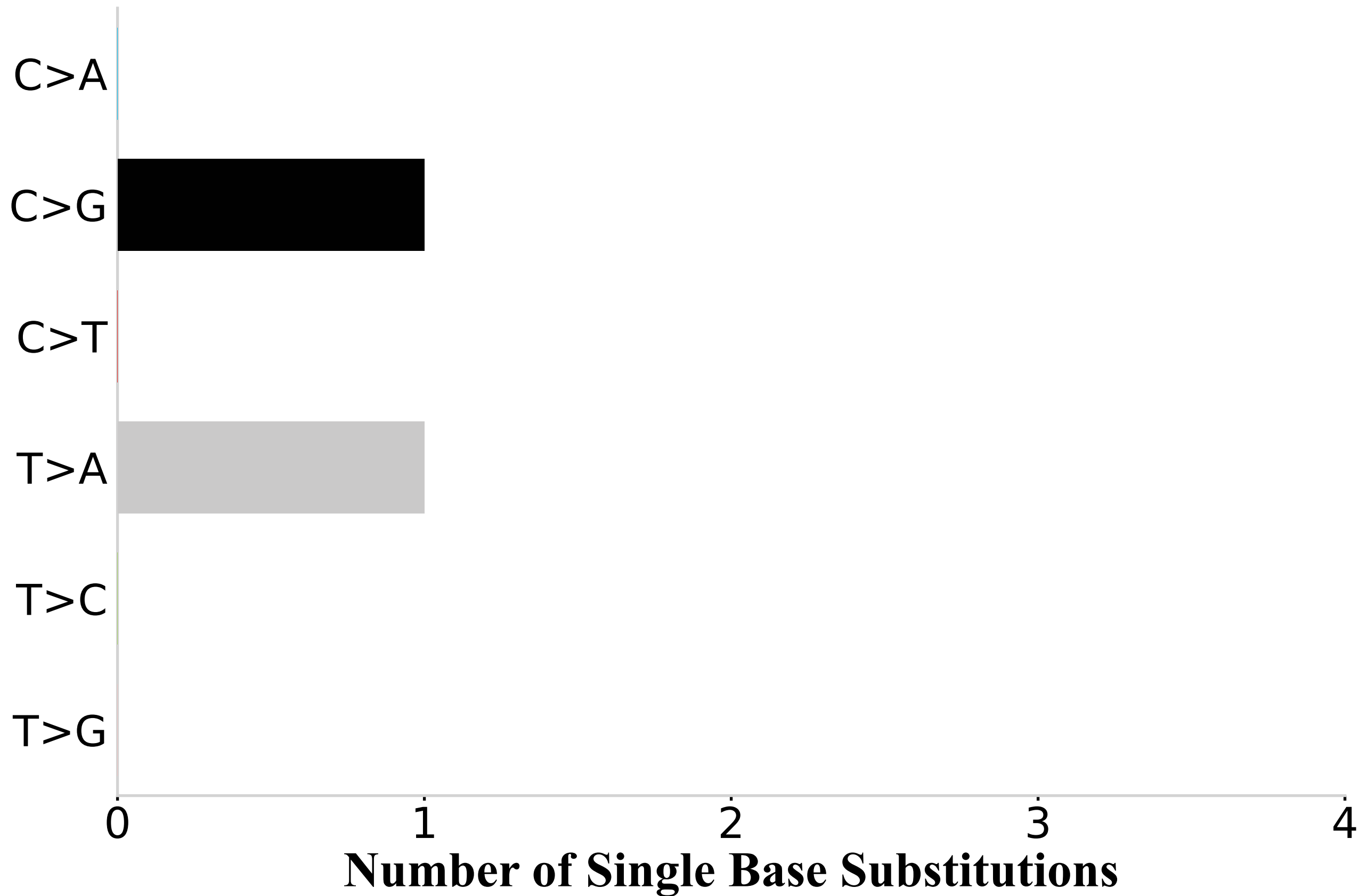
P-0005506-T01-IM5: 6 subs



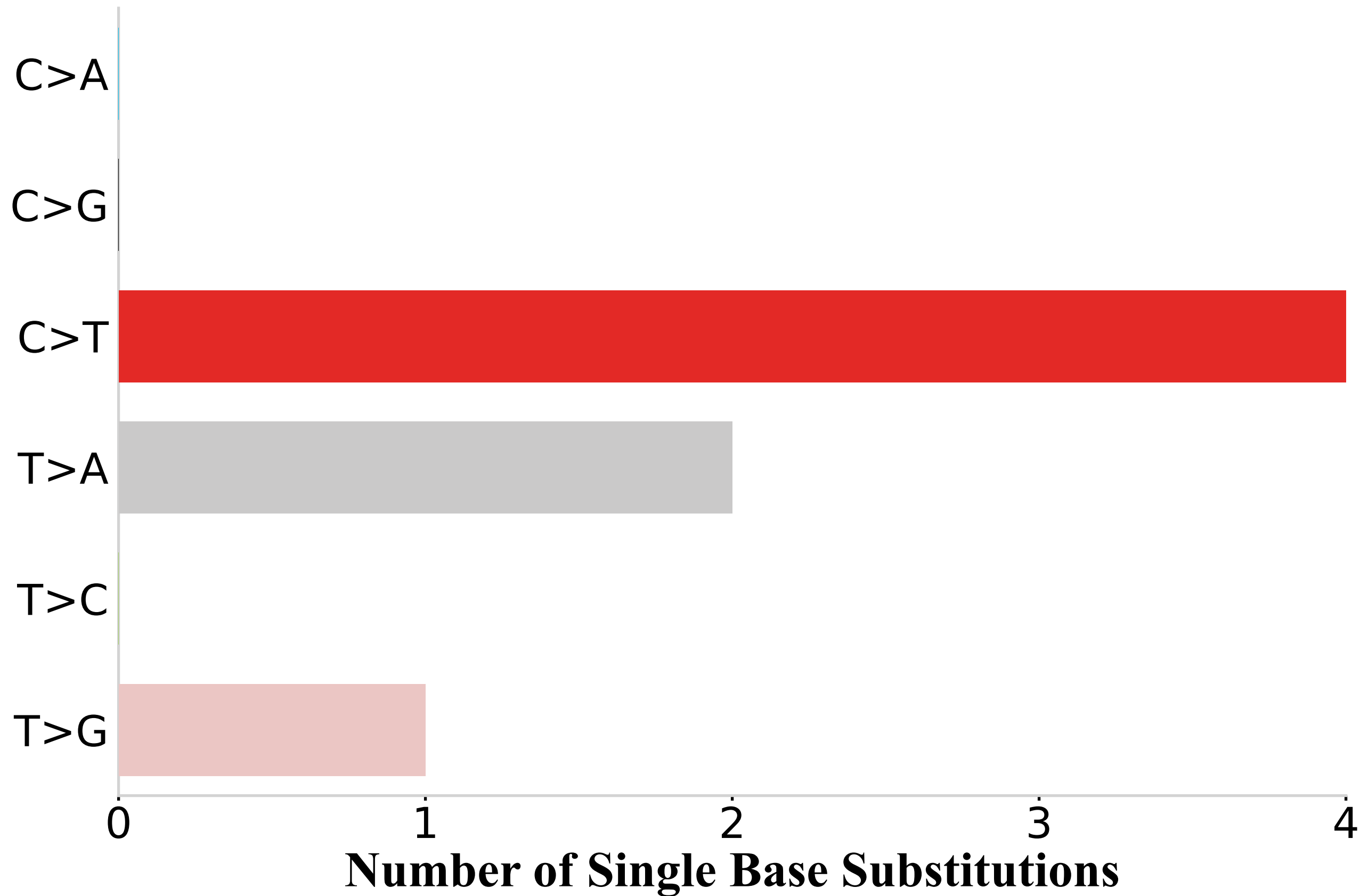
P-0005791-T01-IM5: 3 subs



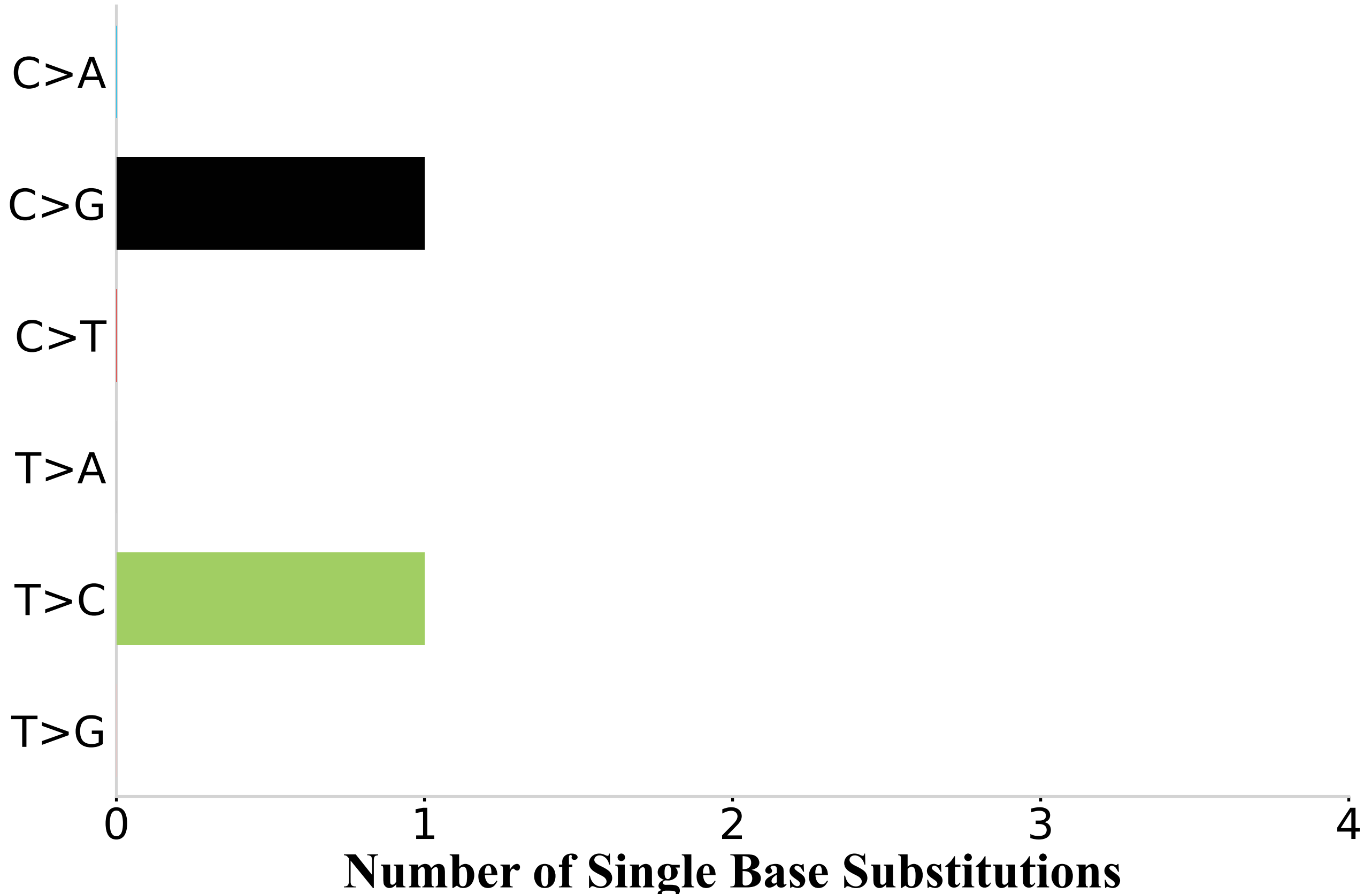
P-0005826-T01-IM5: 2 subs



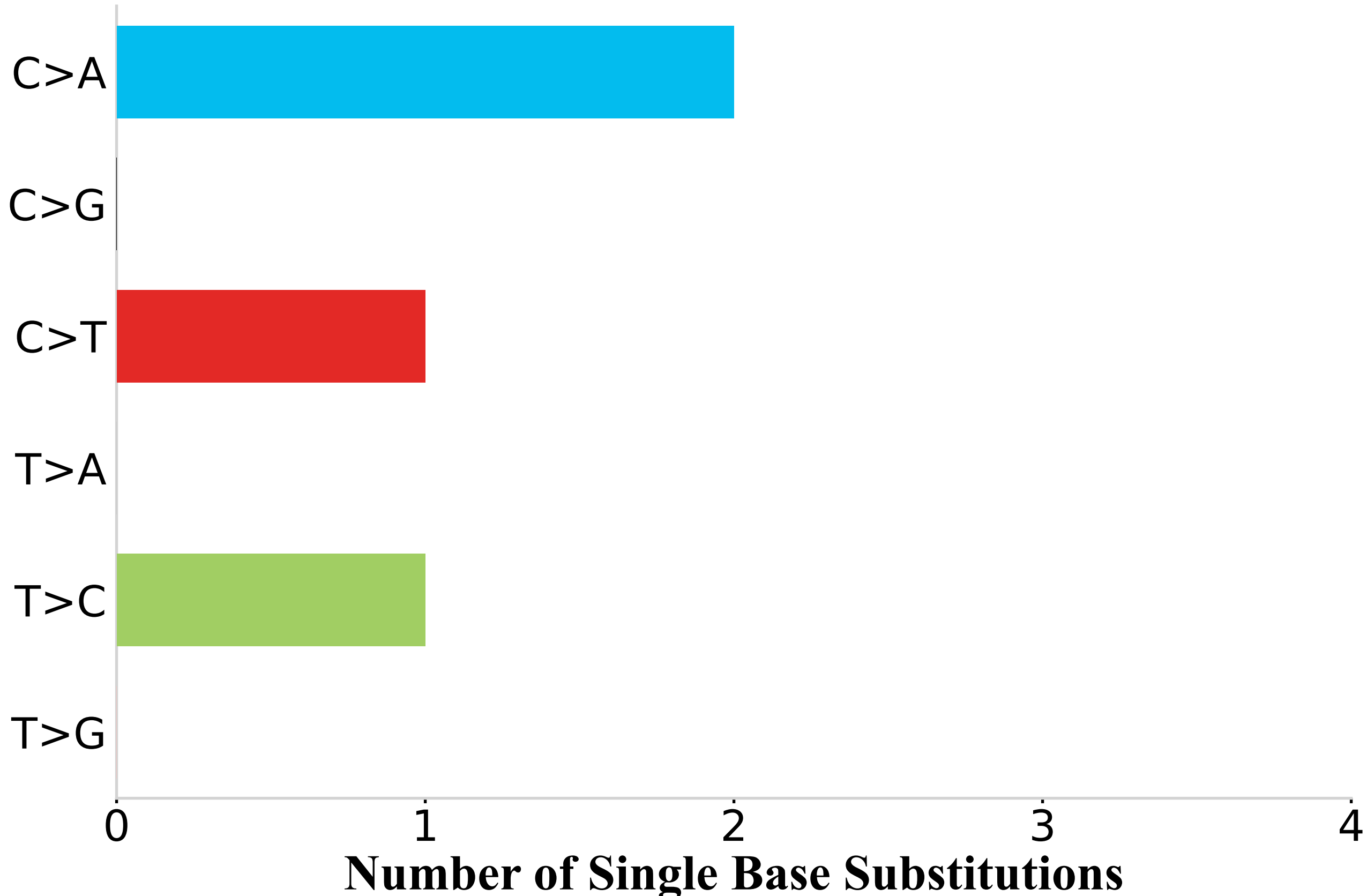
P-0005862-T01-IM5: 7 subs



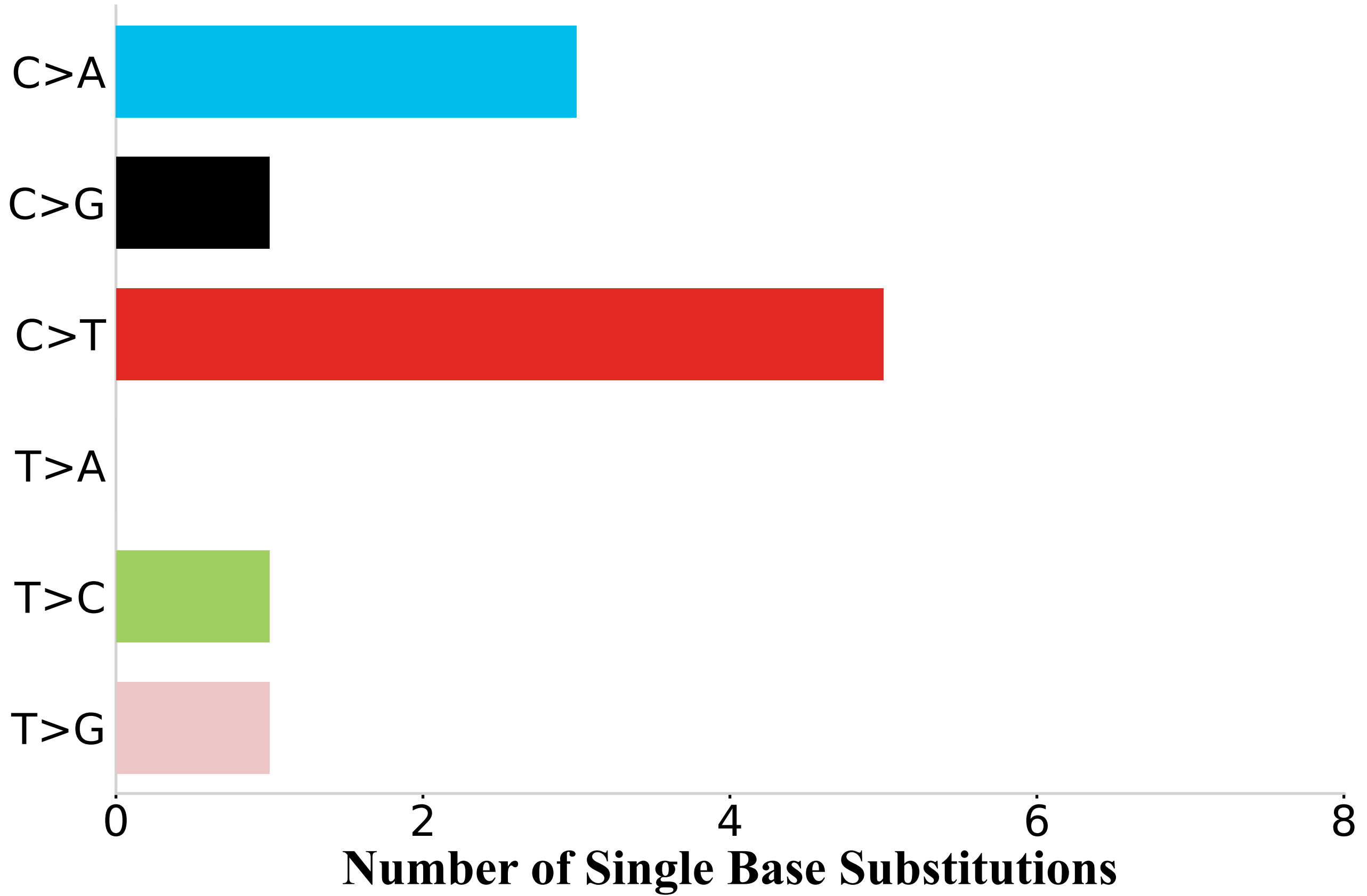
P-0005869-T01-IM5: 2 subs



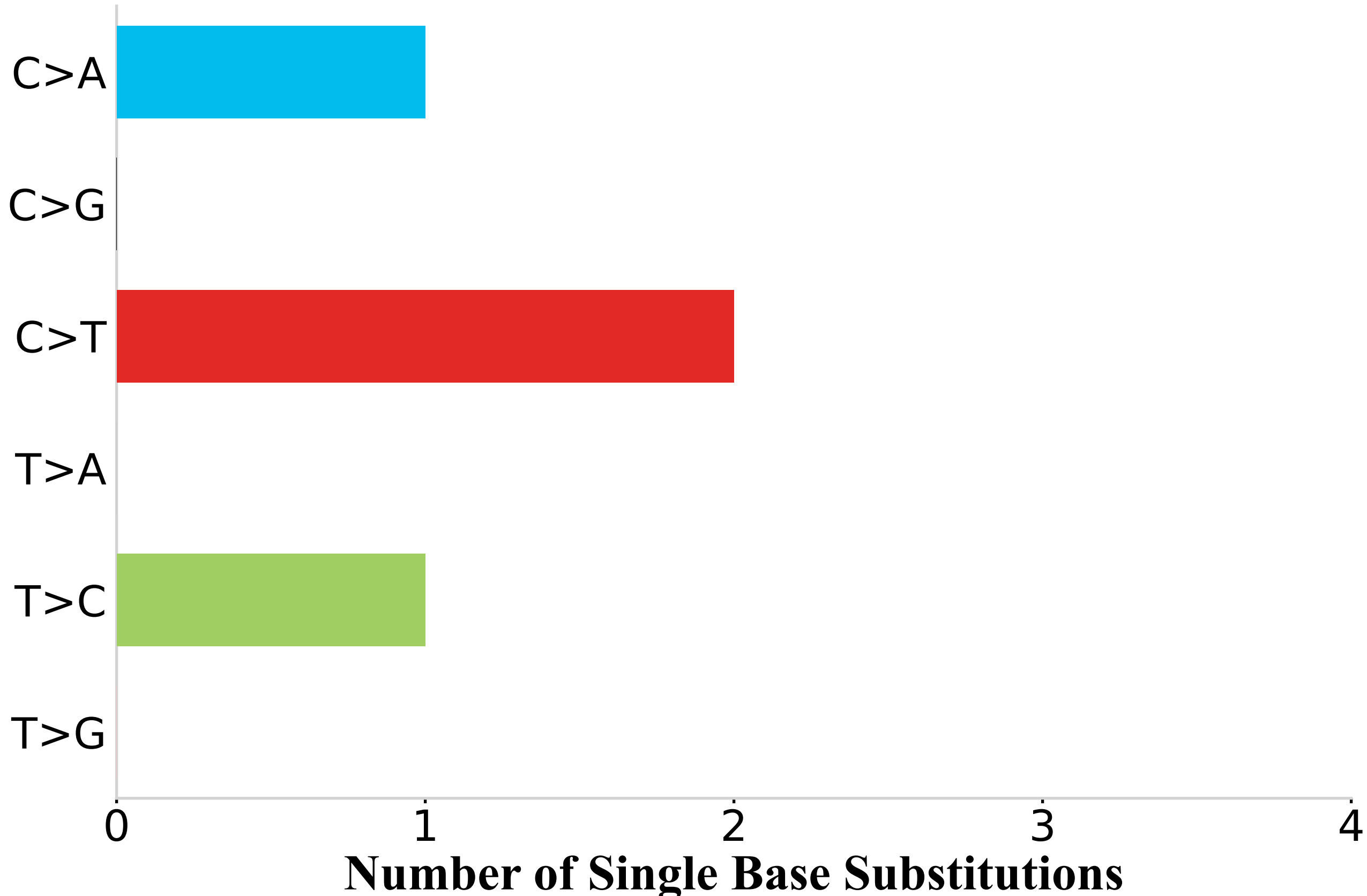
P-0005994-T01-IM5: 4 subs



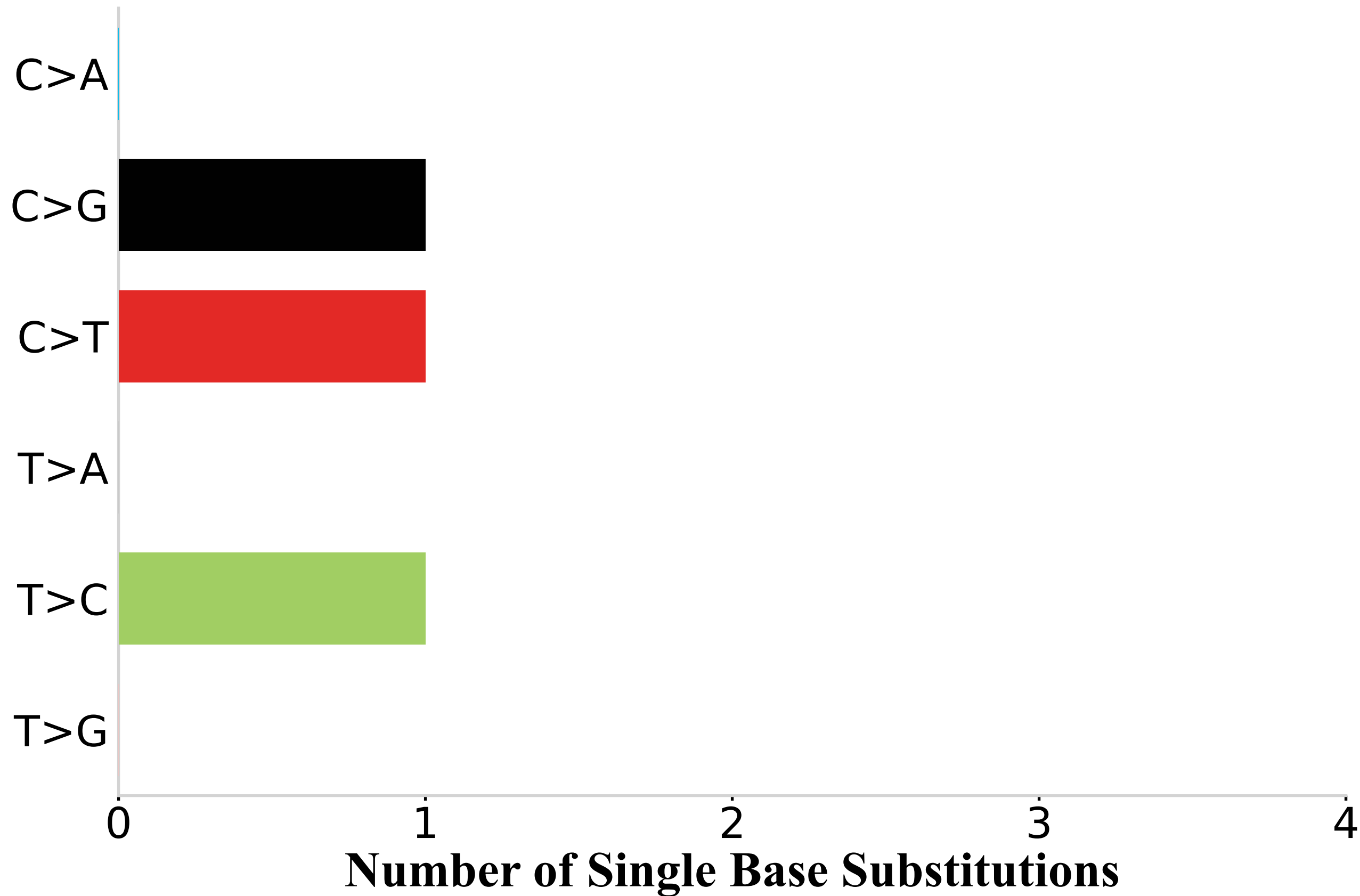
P-0006008-T02-IM6: 11 subs



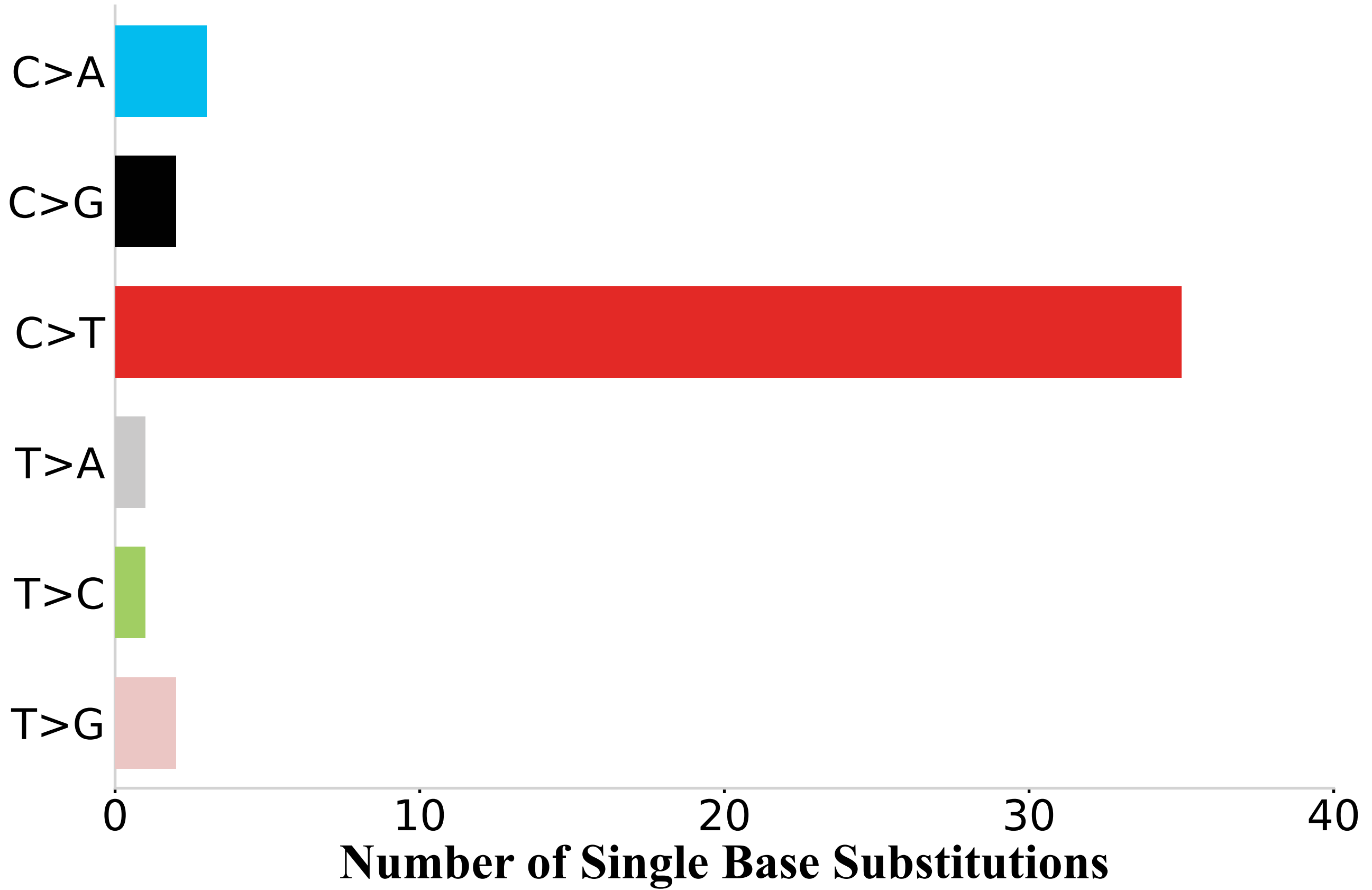
P-0006439-T01-IM5: 4 subs



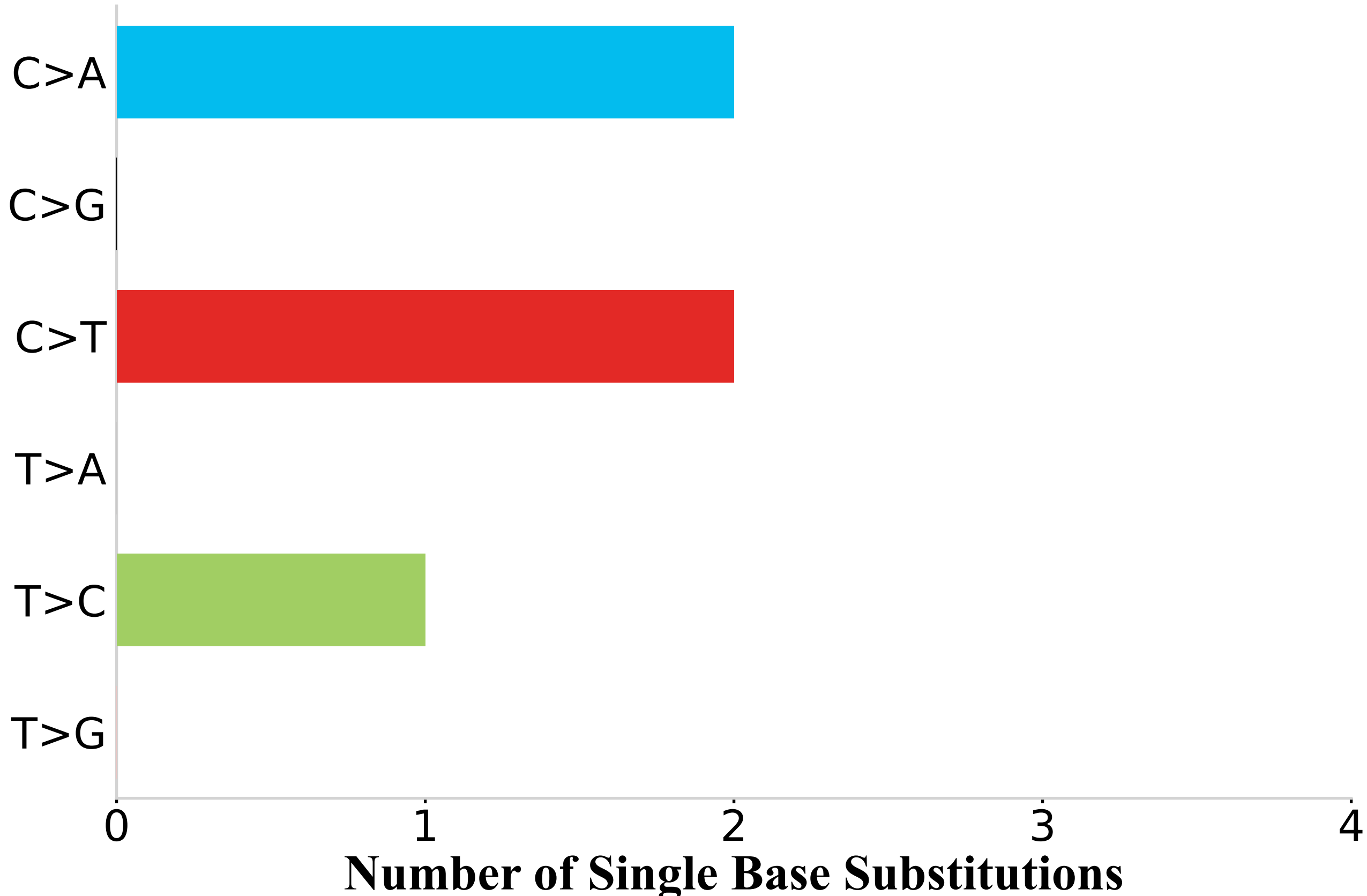
P-0006525-T01-IM5: 3 subs



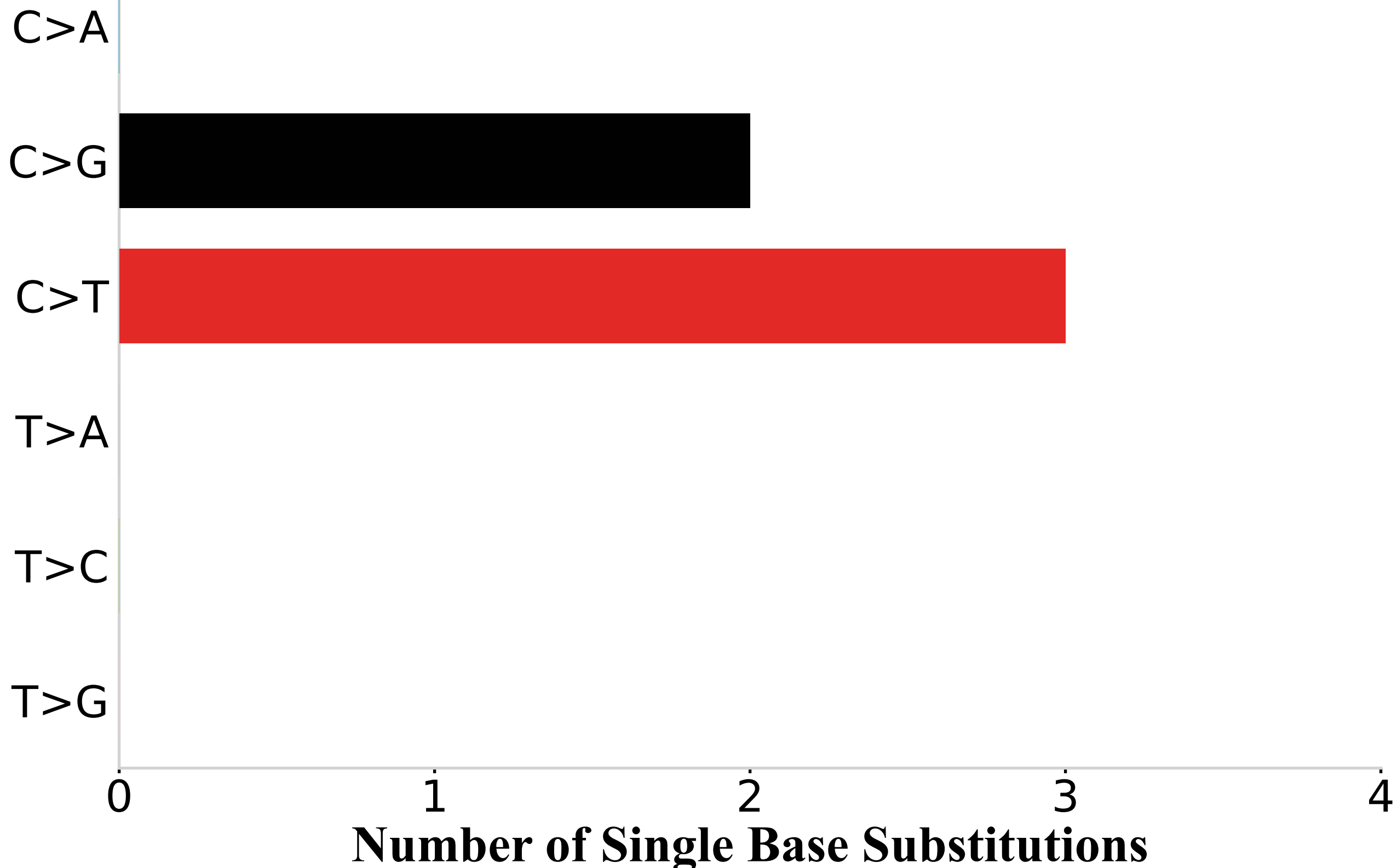
P-0006571-T01-IM5: 44 subs



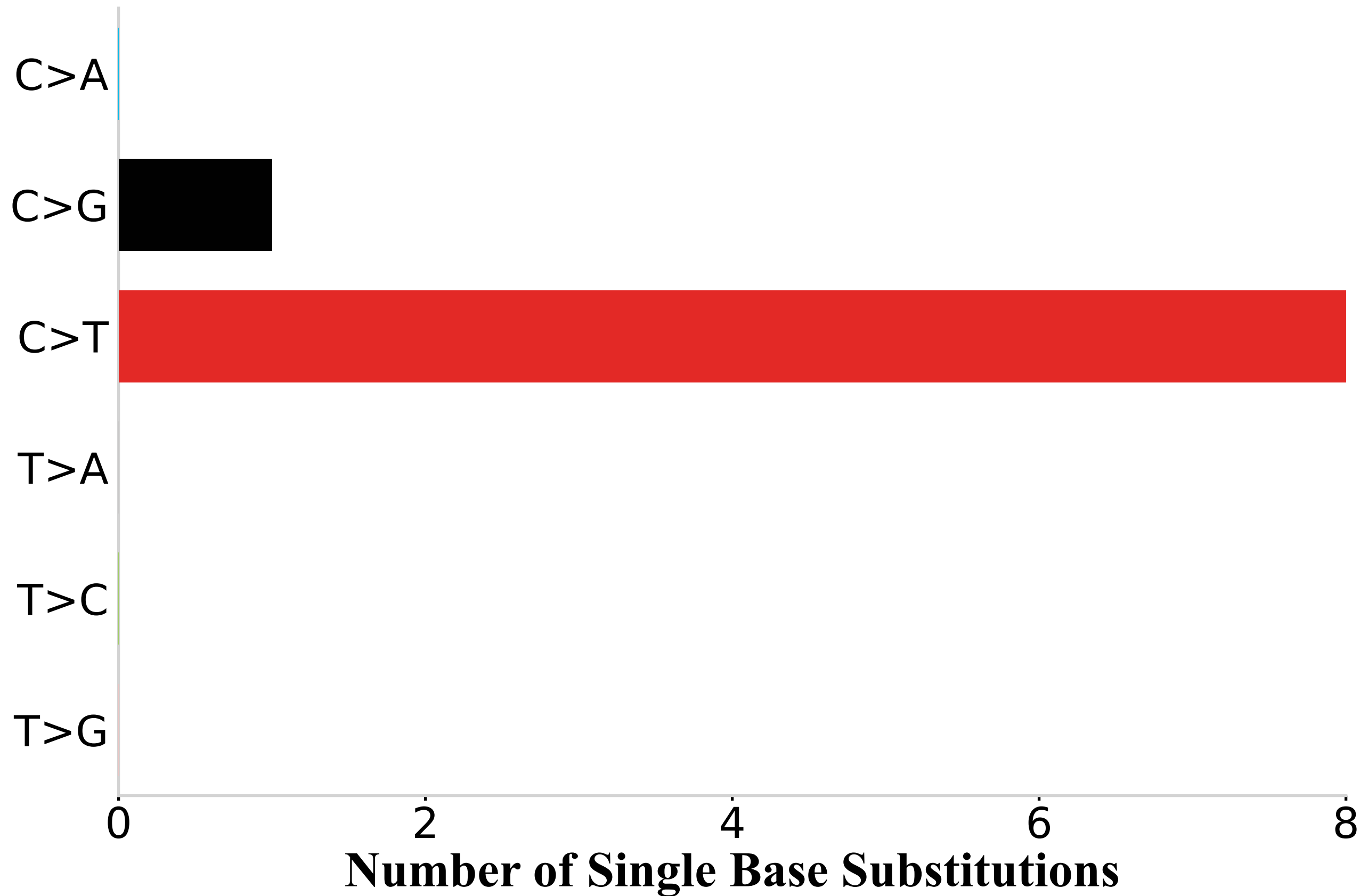
P-0006641-T01-IM5: 5 subs



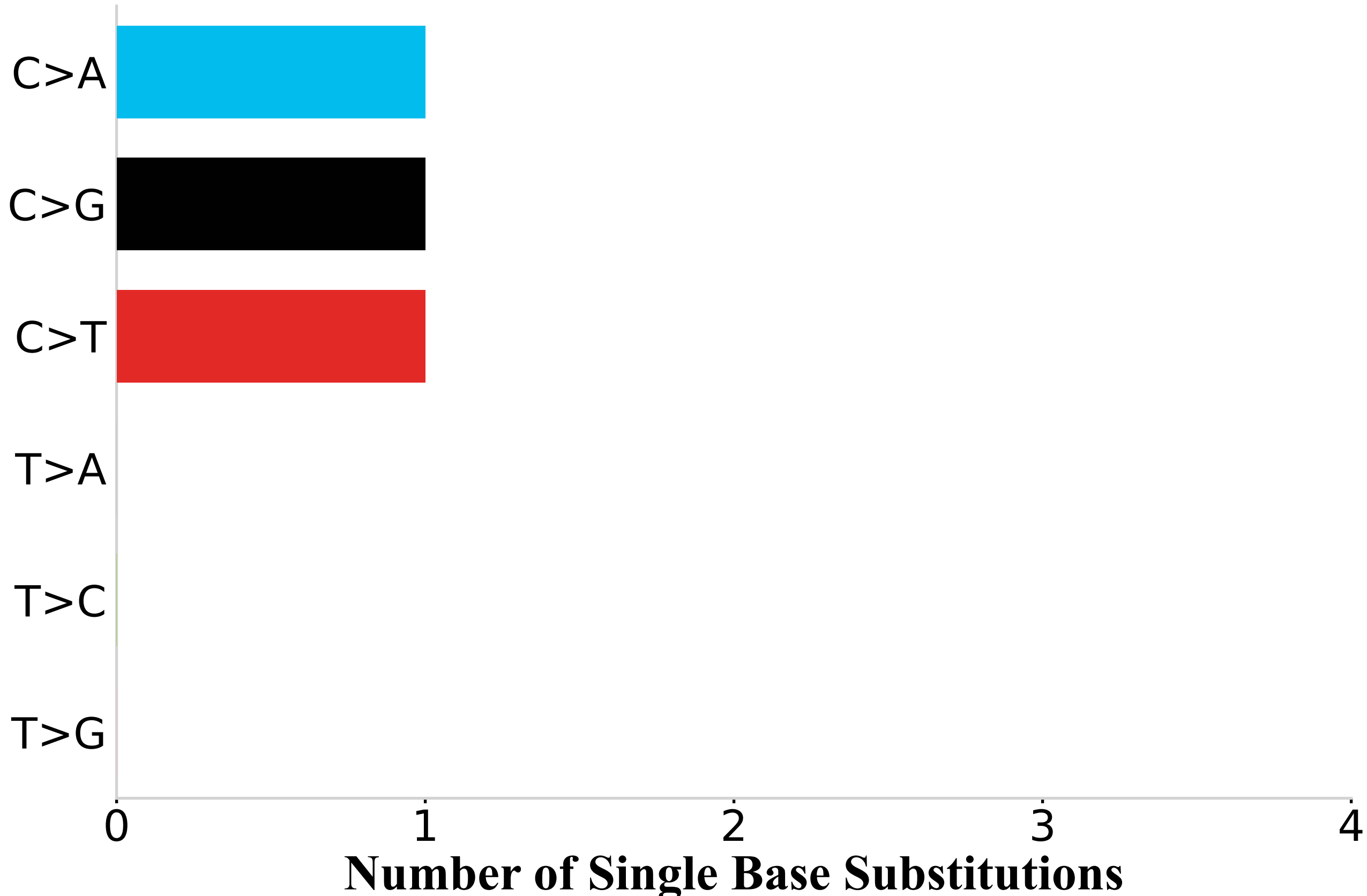
P-0006826-T01-IM5: 5 subs



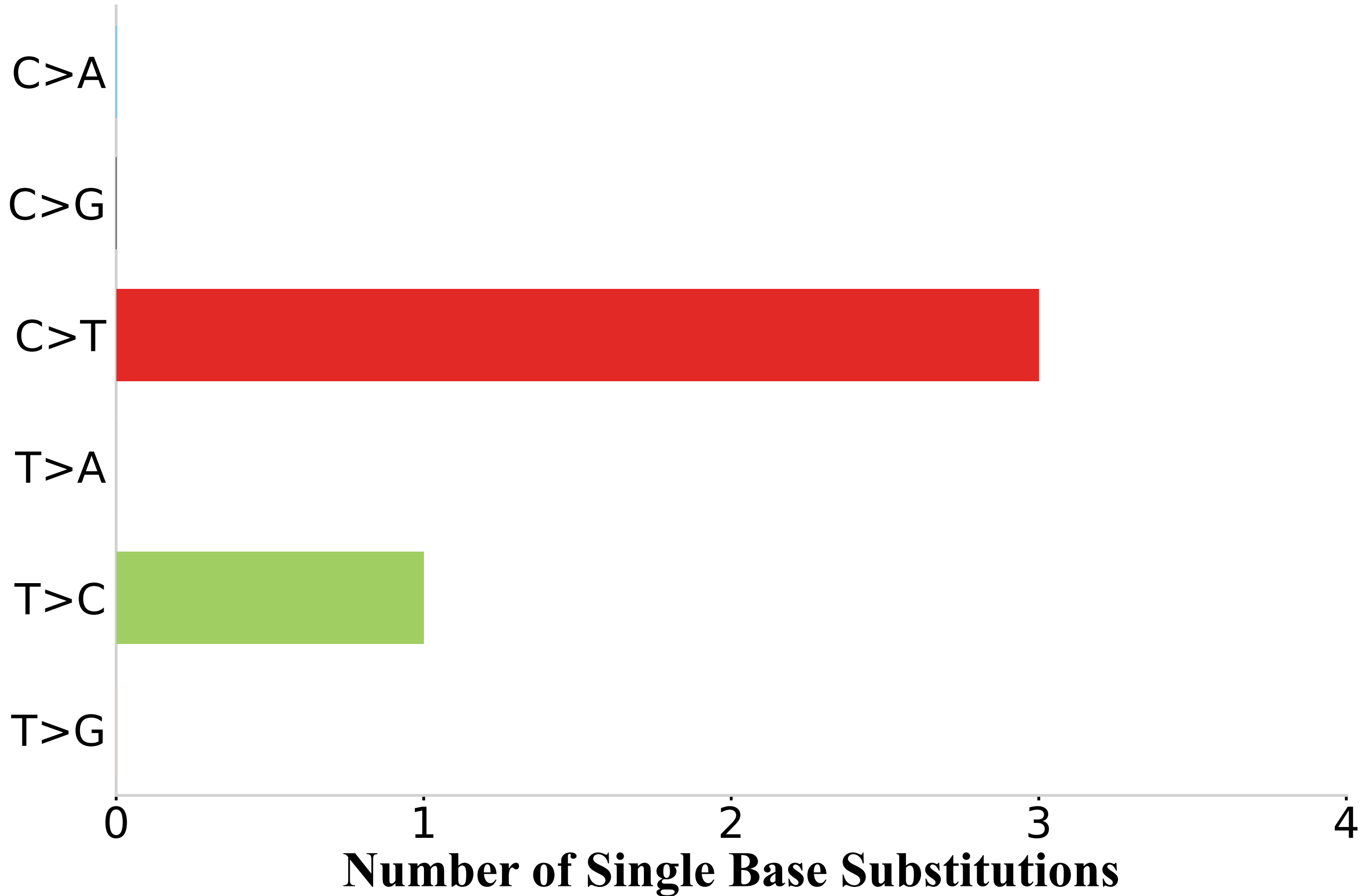
P-0007220-T01-IM5: 9 subs



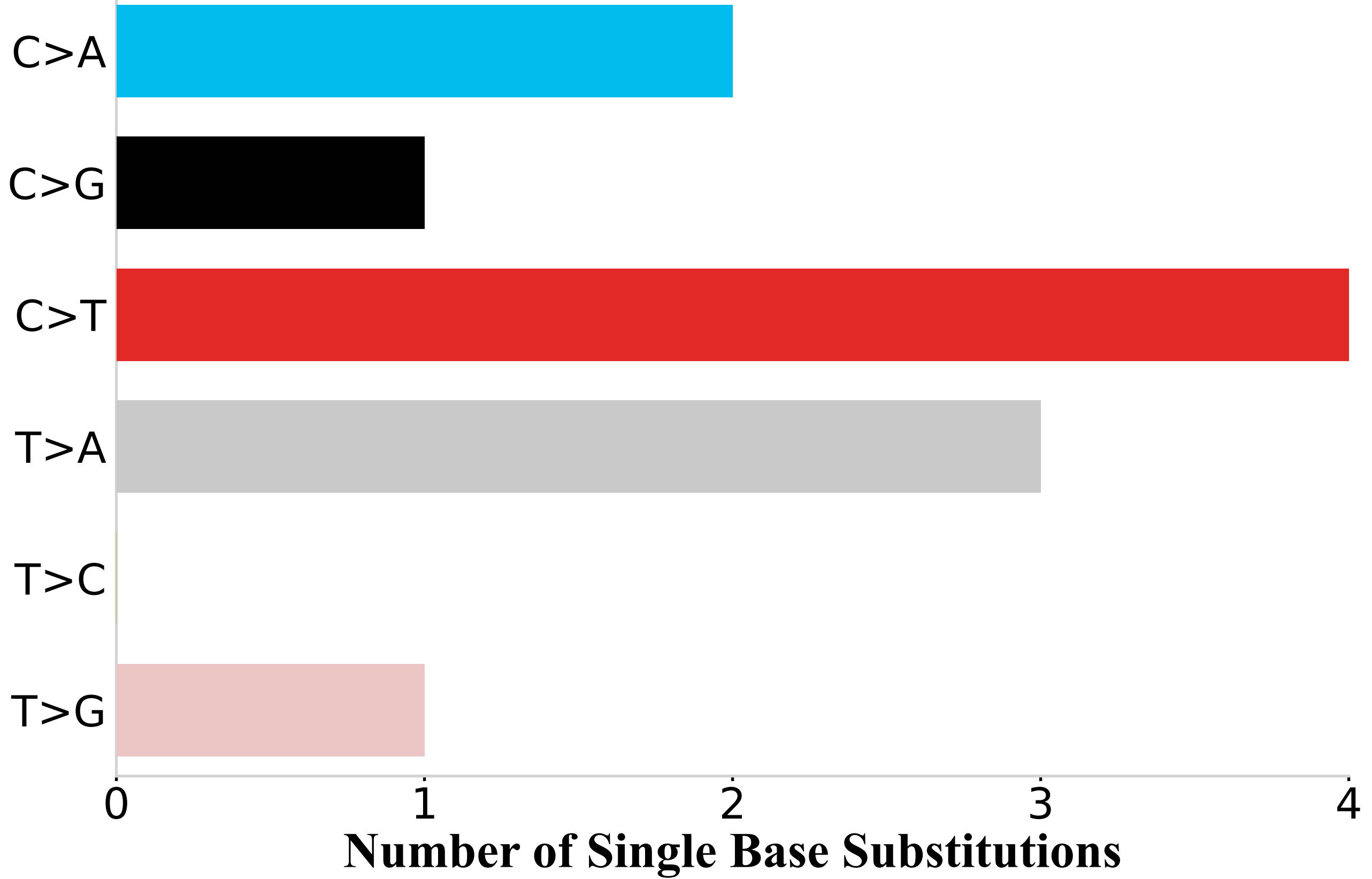
P-0007233-T01-IM5: 3 subs



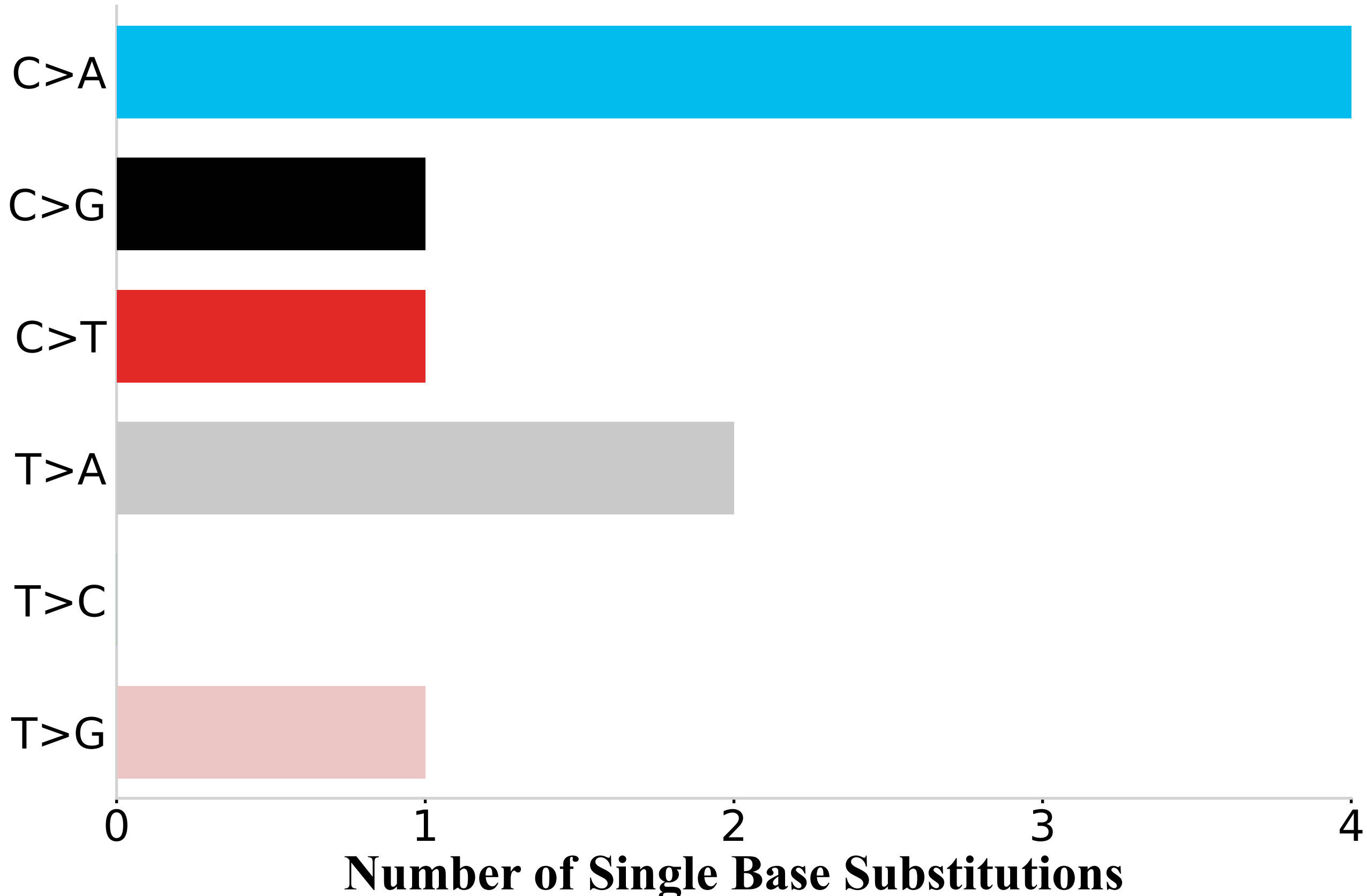
P-0007384-T01-IM5: 4 subs



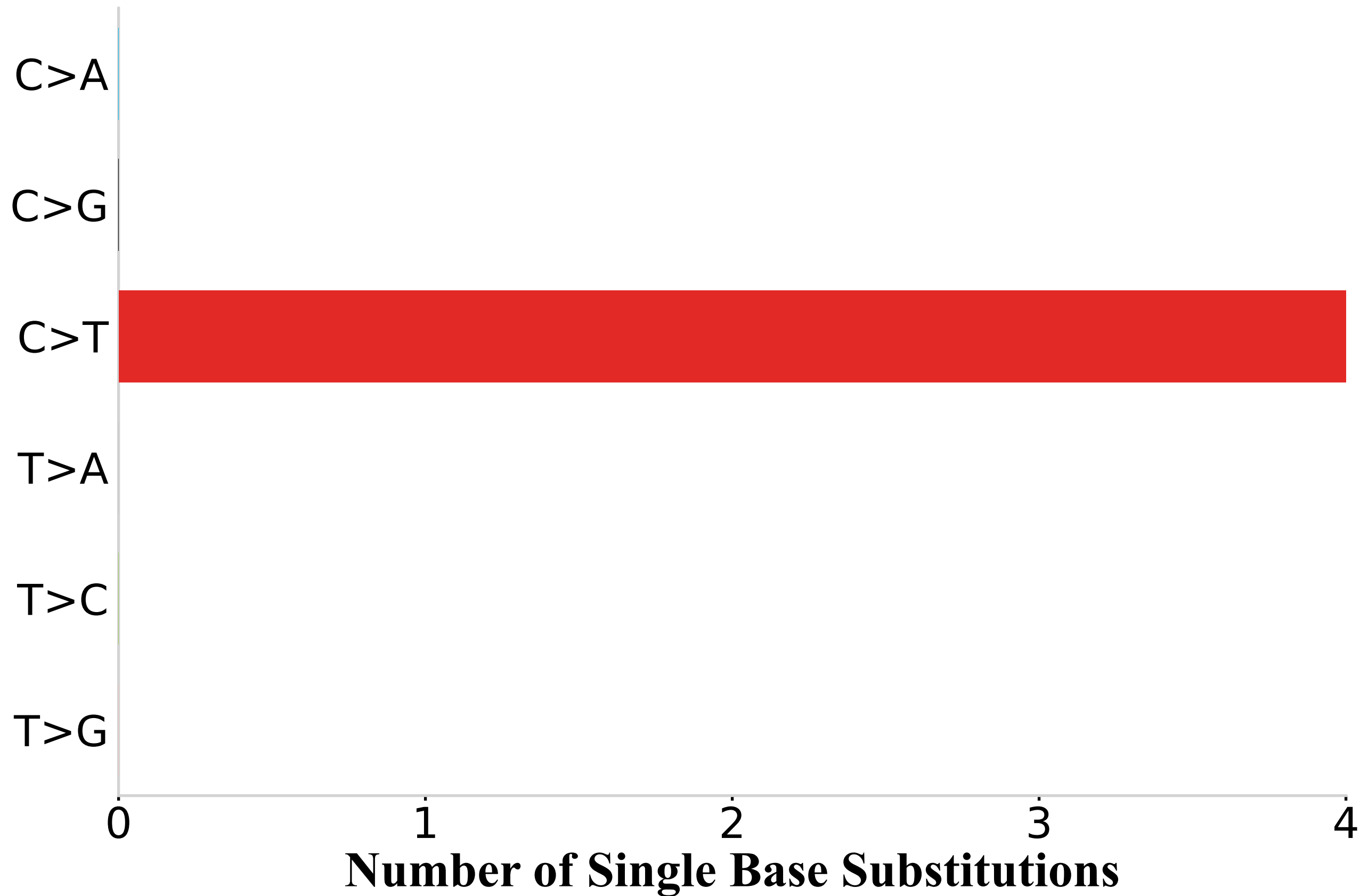
P-0007388-T01-IM5: 11 subs



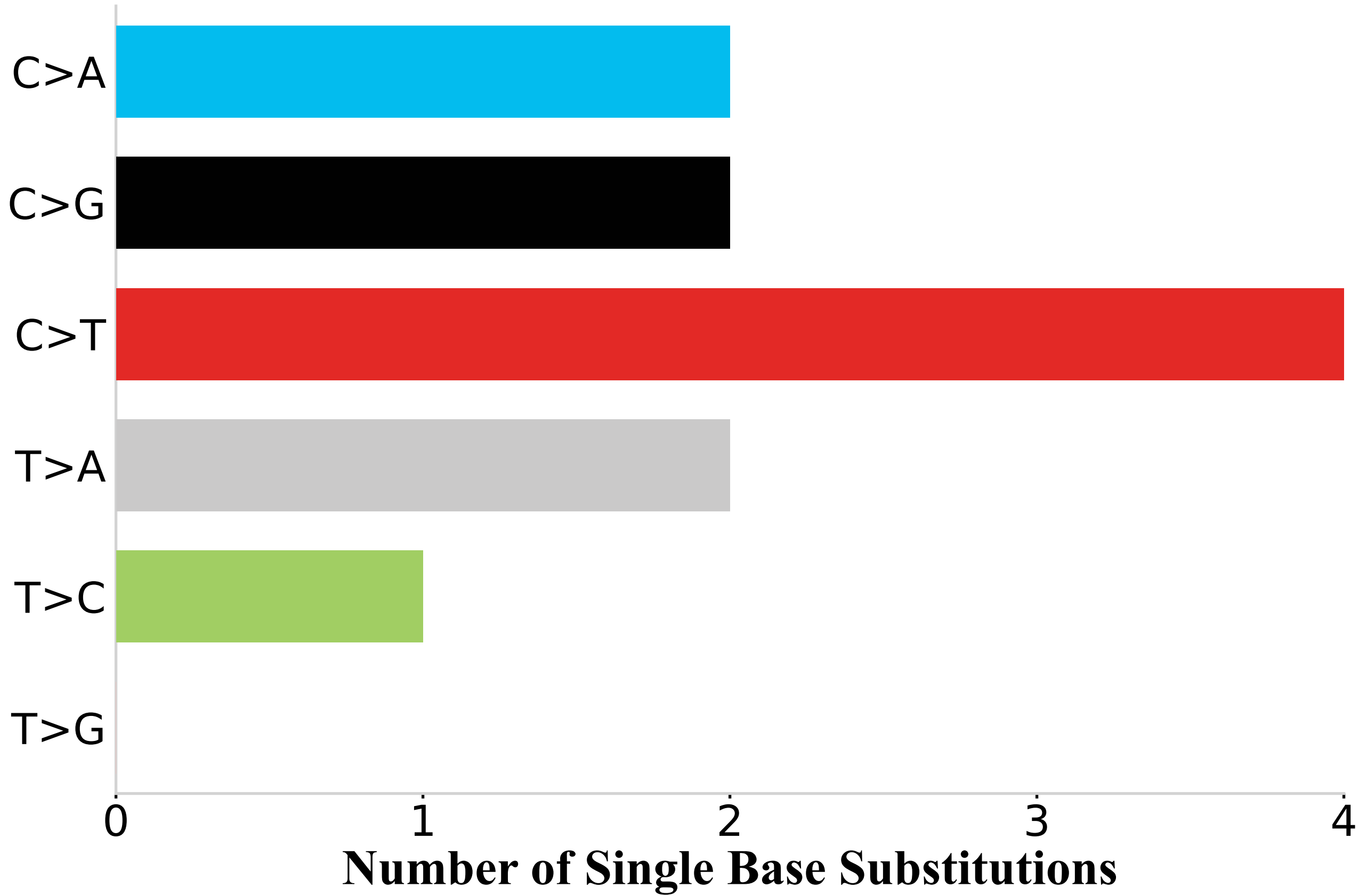
P-0007407-T01-IM5: 9 subs



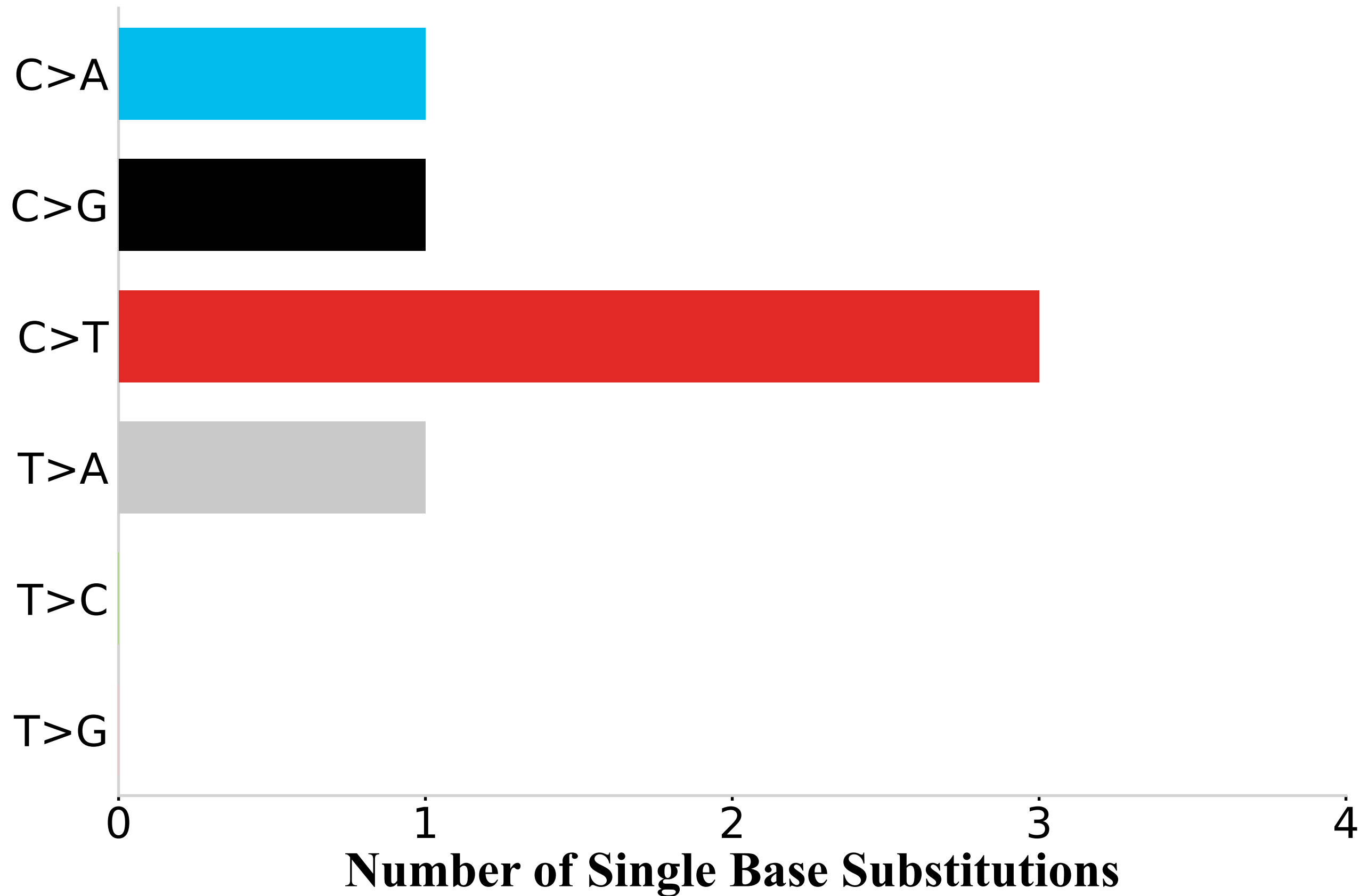
P-0007543-T01-IM5: 4 subs



P-0007574-T01-IM5: 11 subs



P-0007620-T01-IM5: 6 subs



P-0007622-T01-IM5: 6 subs

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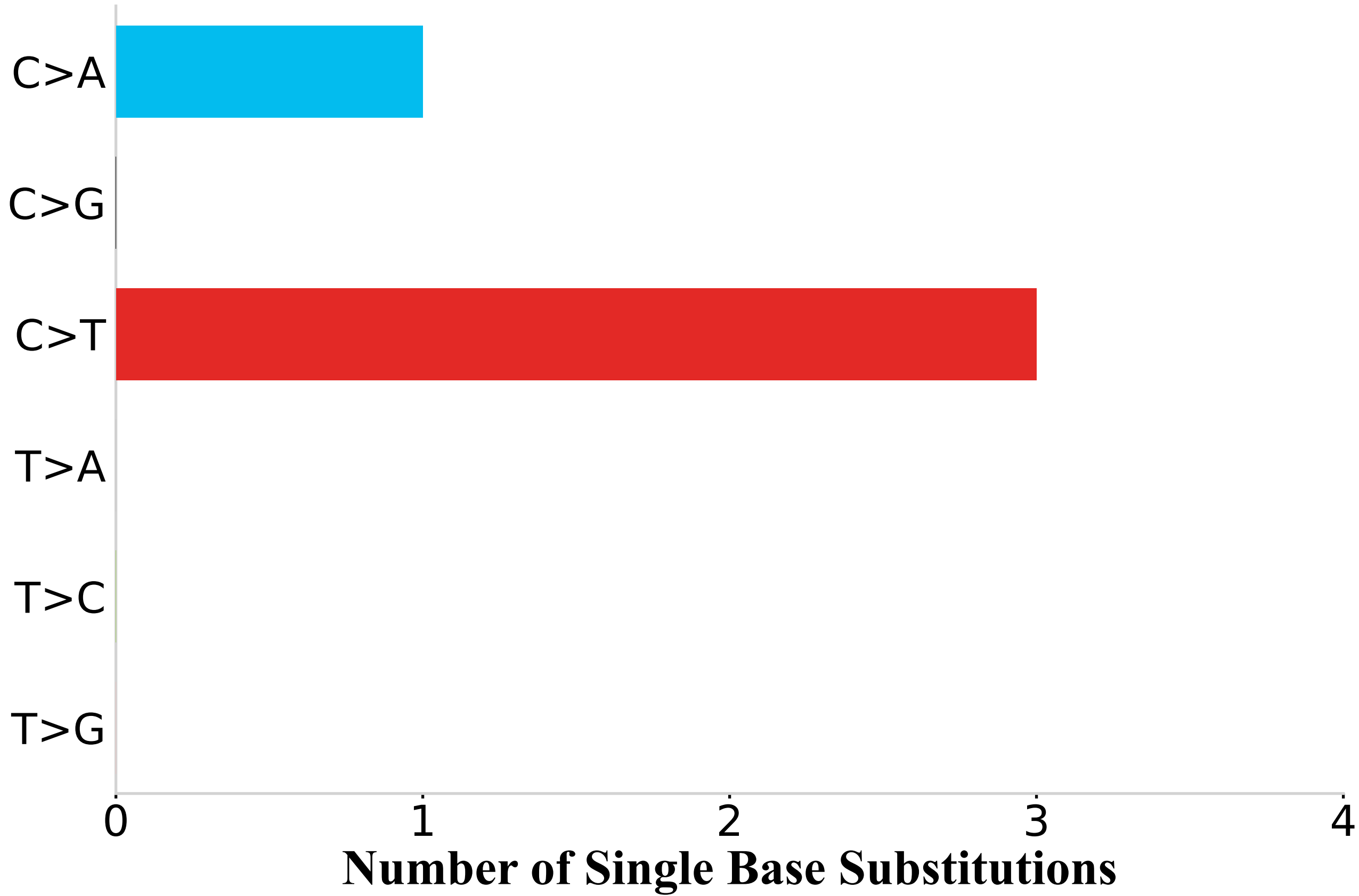
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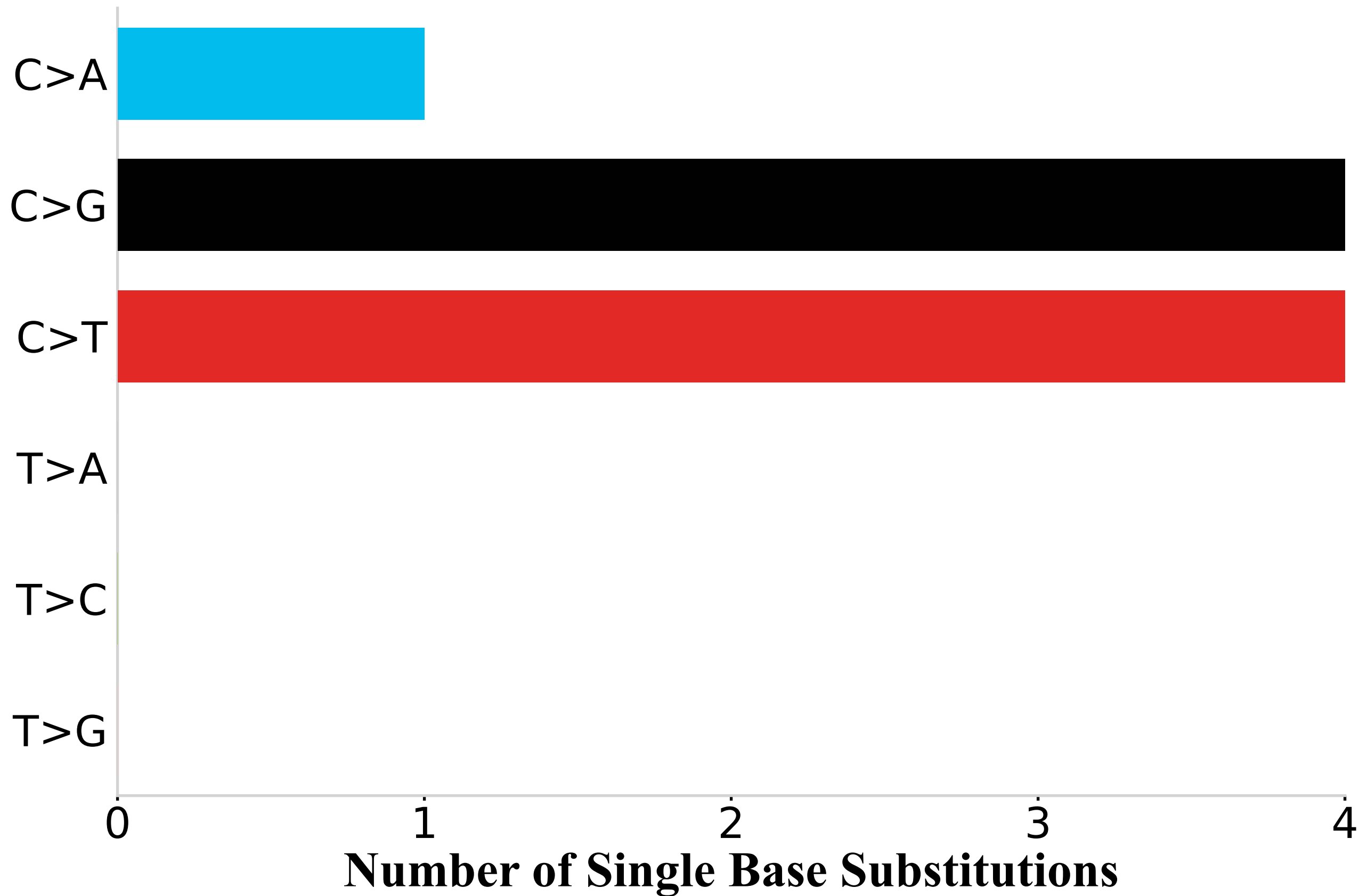
Number of Single Base Substitutions



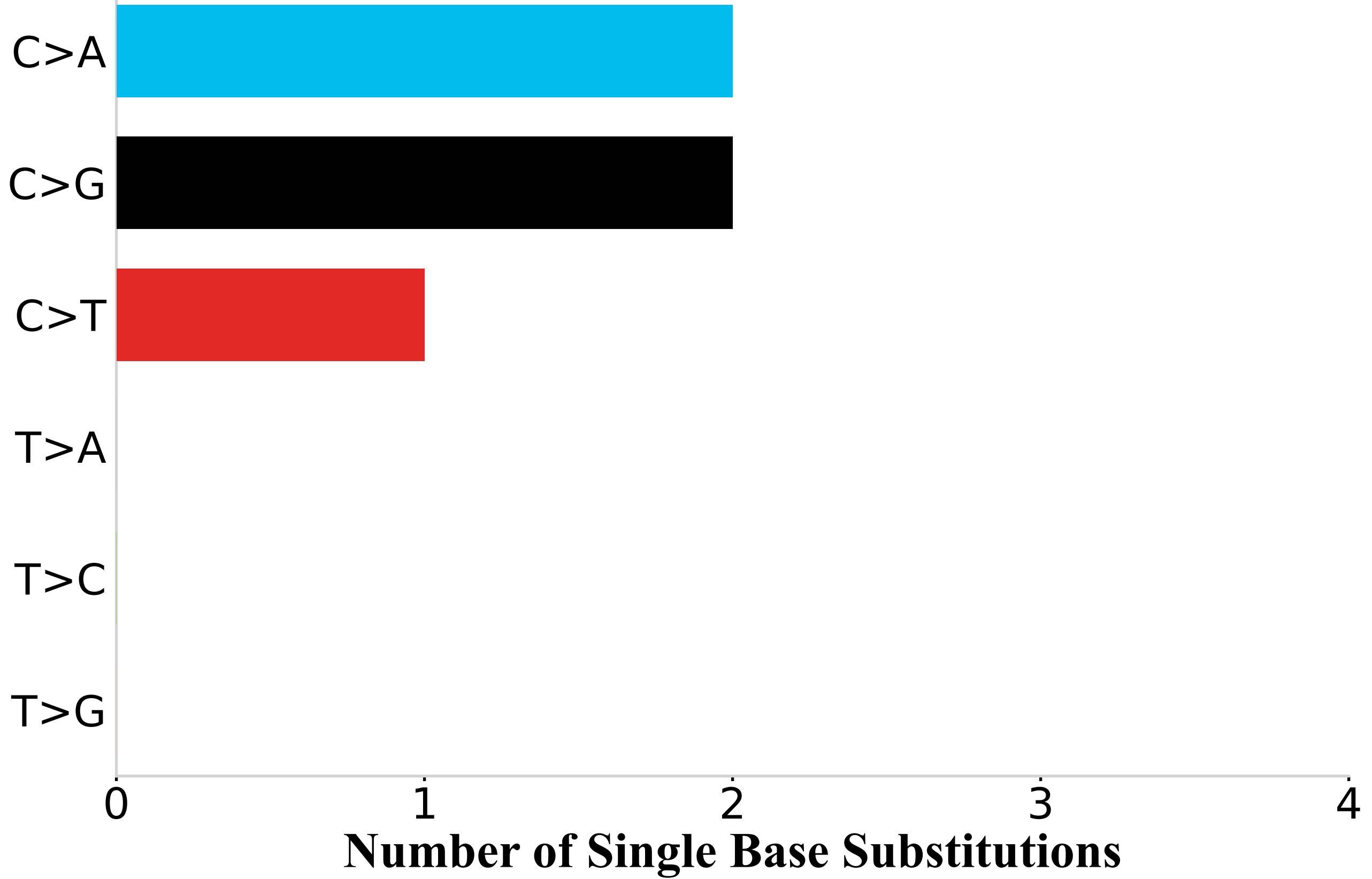
P-0007839-T02-IM5: 4 subs



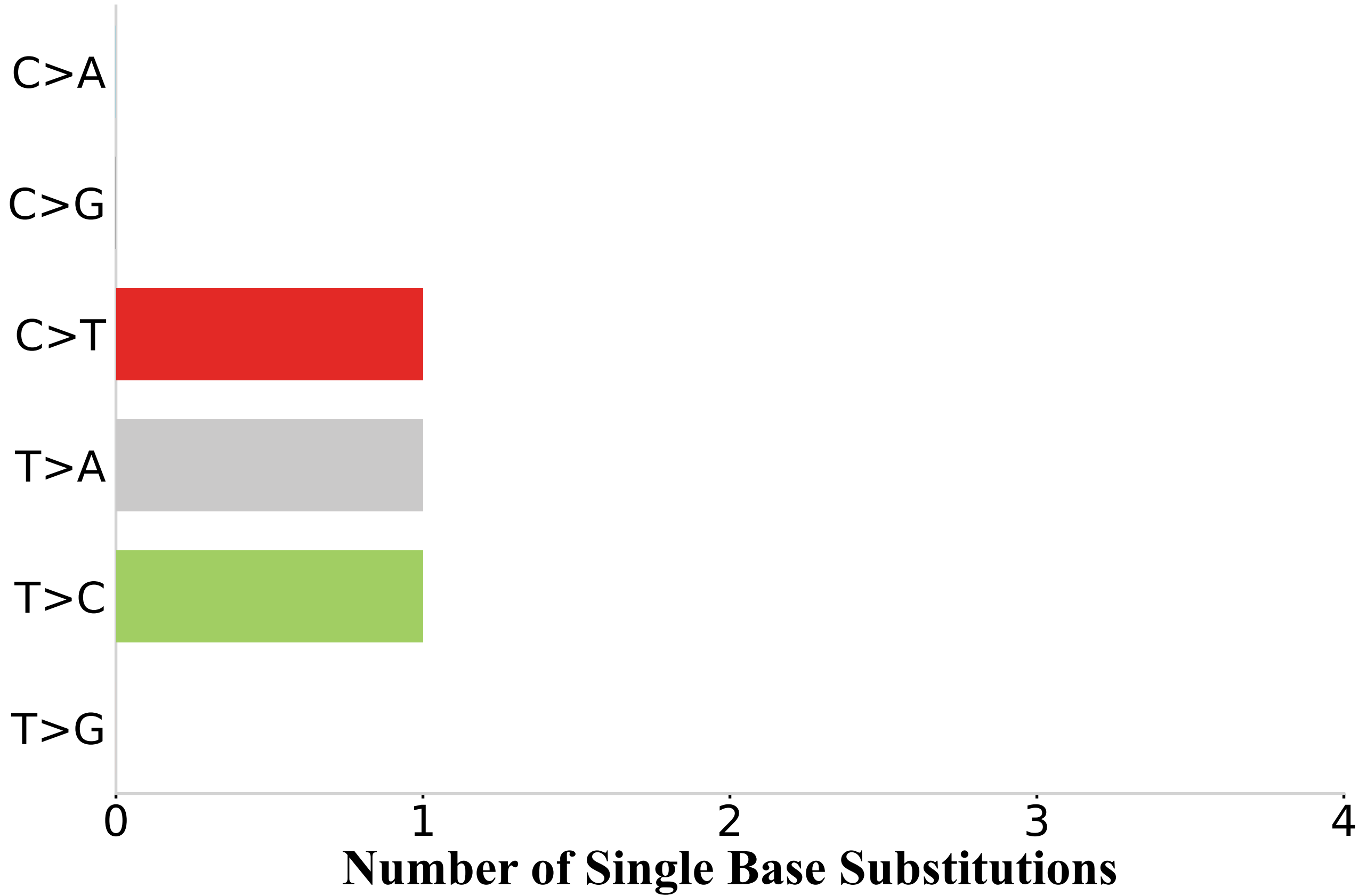
P-0007885-T01-IM5: 9 subs



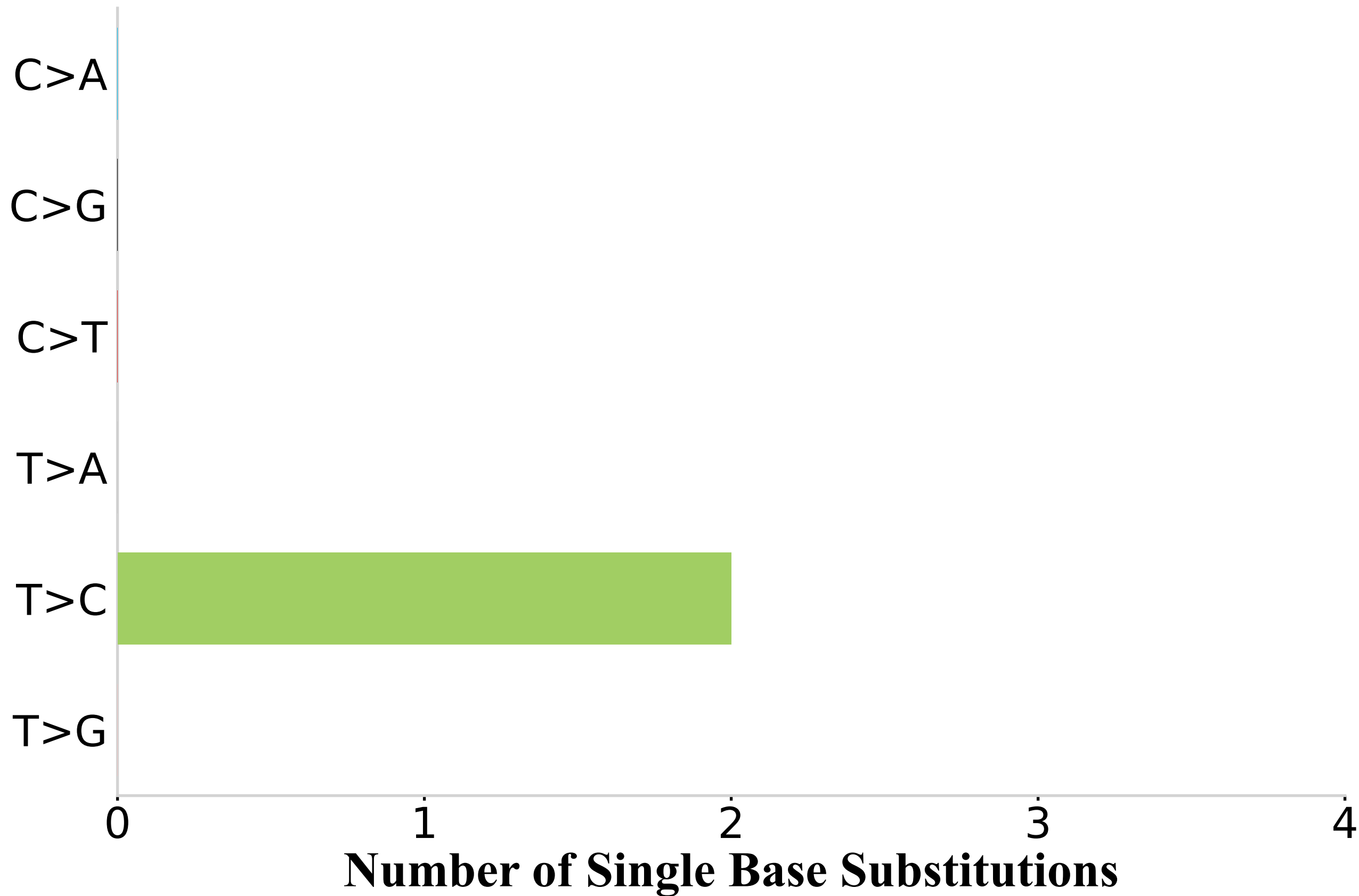
P-0007925-T01-IM5: 5 subs



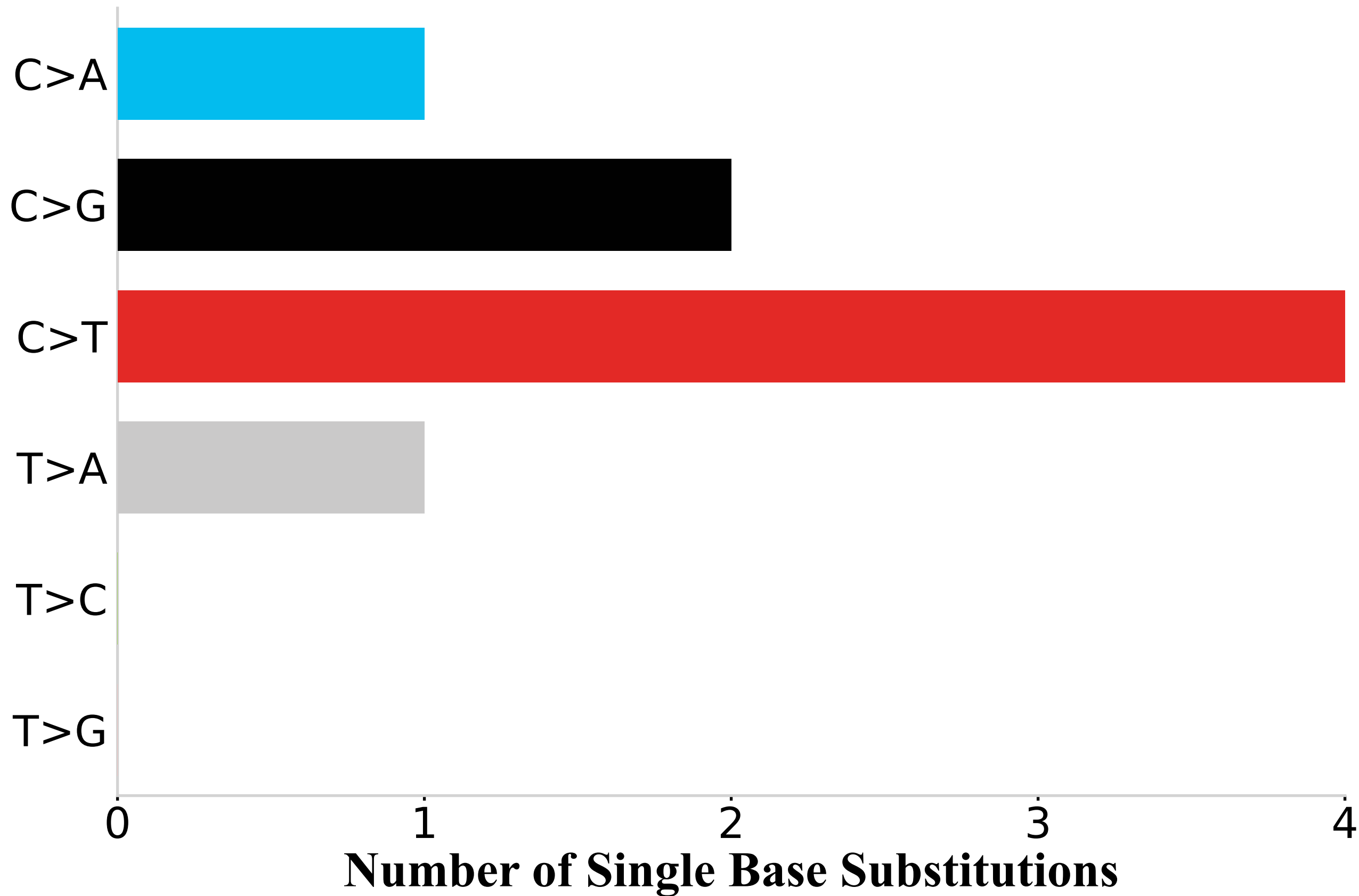
P-0007971-T01-IM5: 3 subs



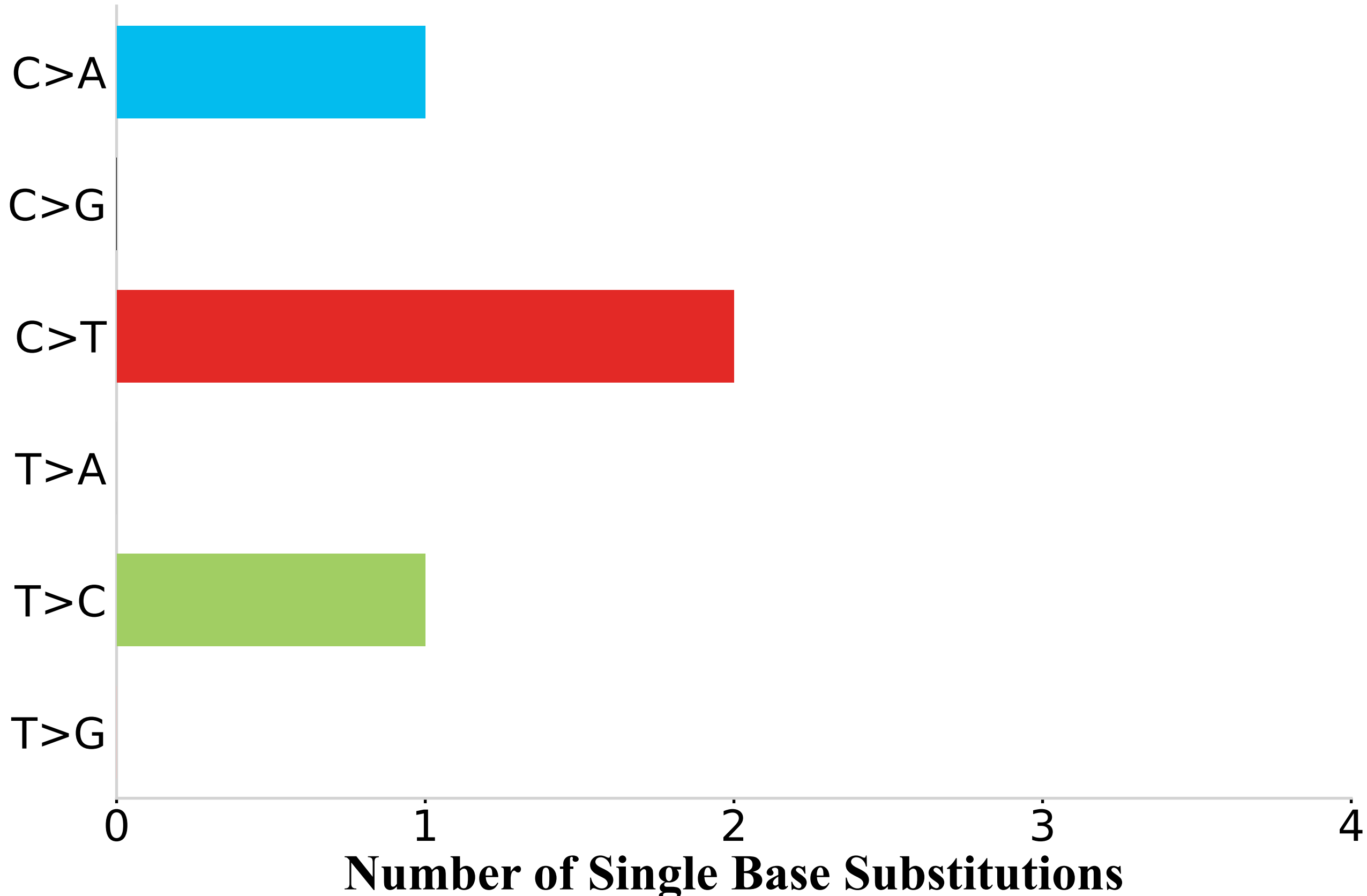
P-0007974-T01-IM5: 2 subs



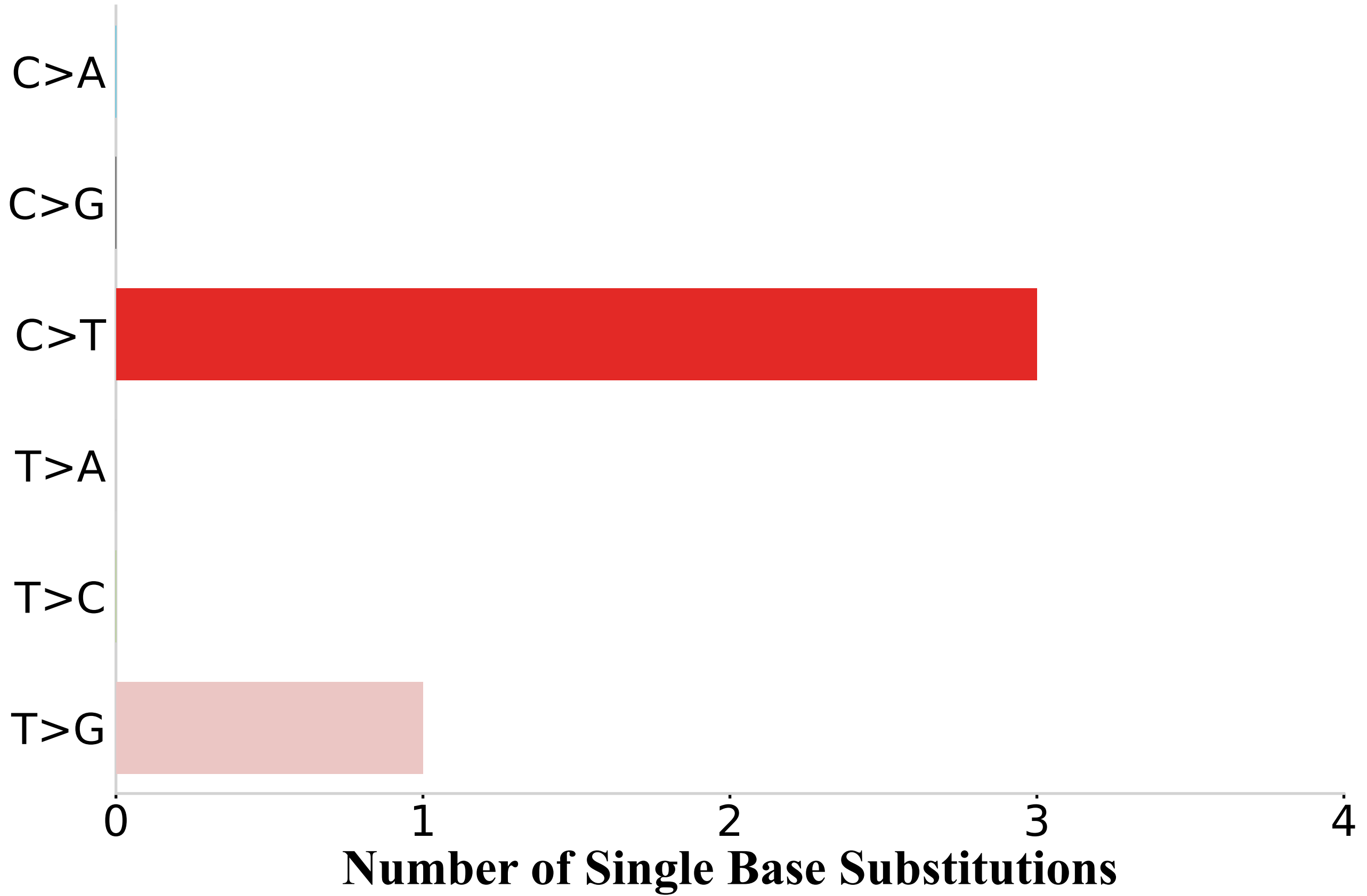
P-0008012-T01-IM5: 8 subs



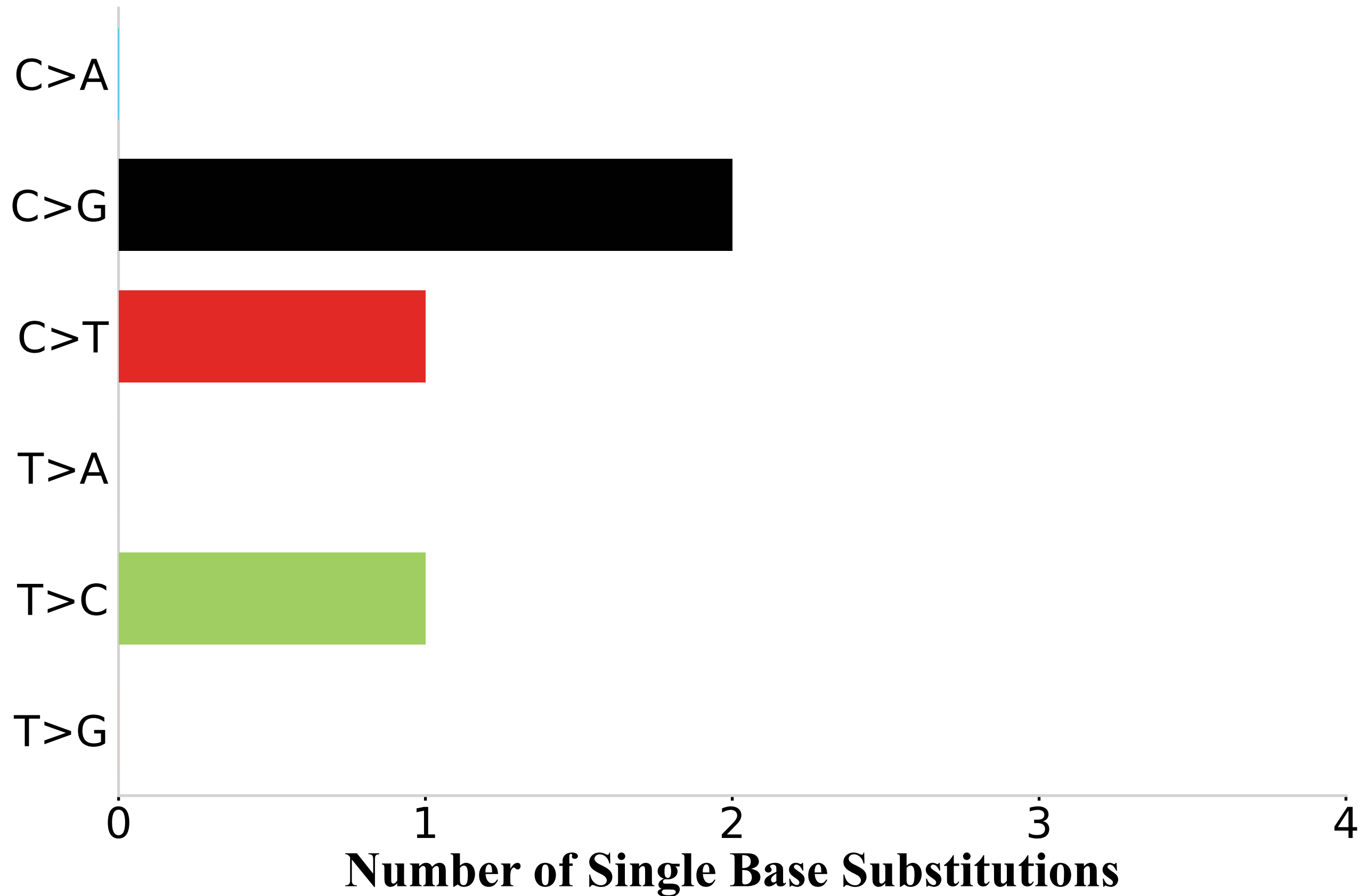
P-0008033-T01-IM5: 4 subs



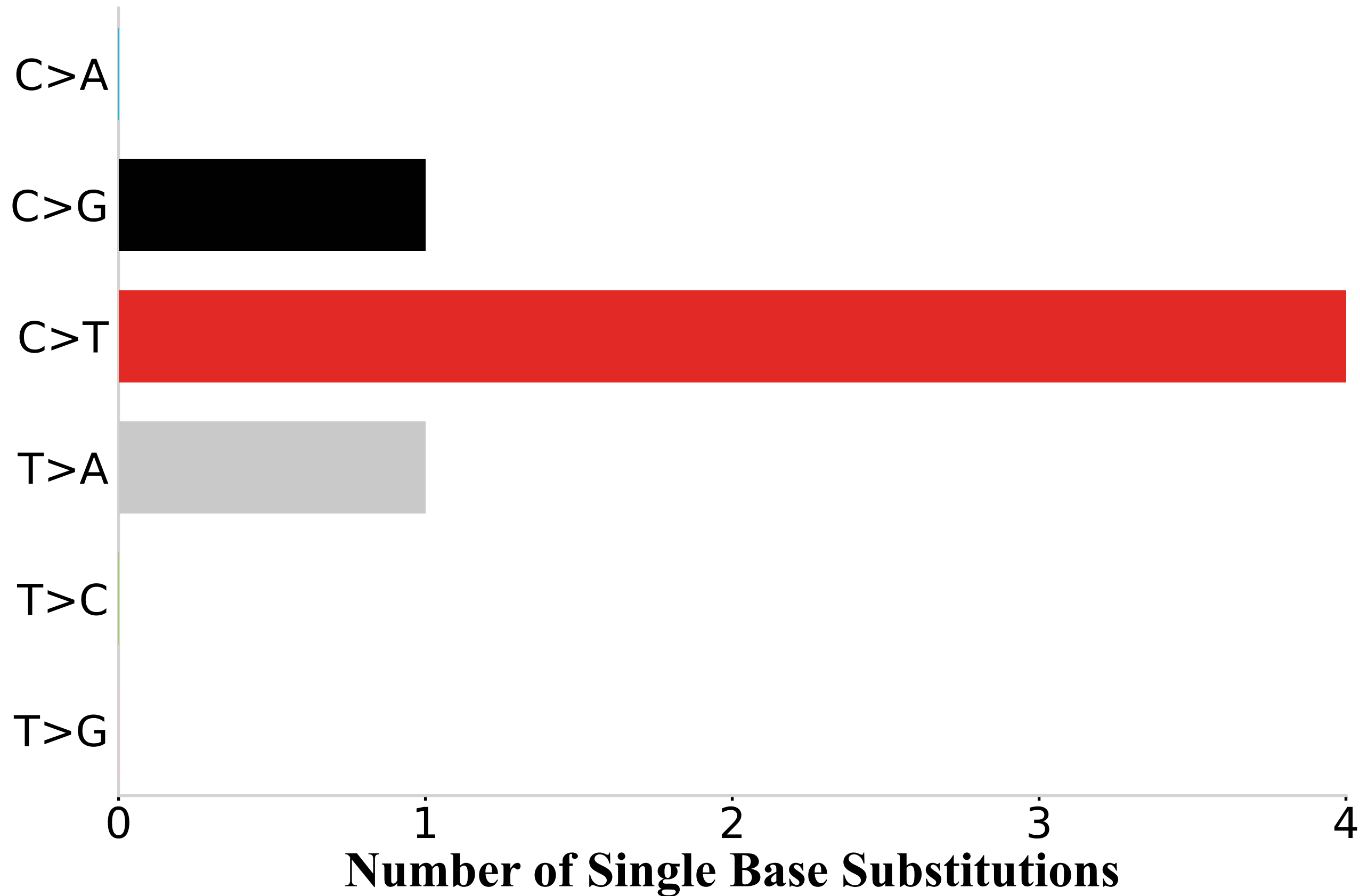
P-0008036-T01-IM5: 4 subs



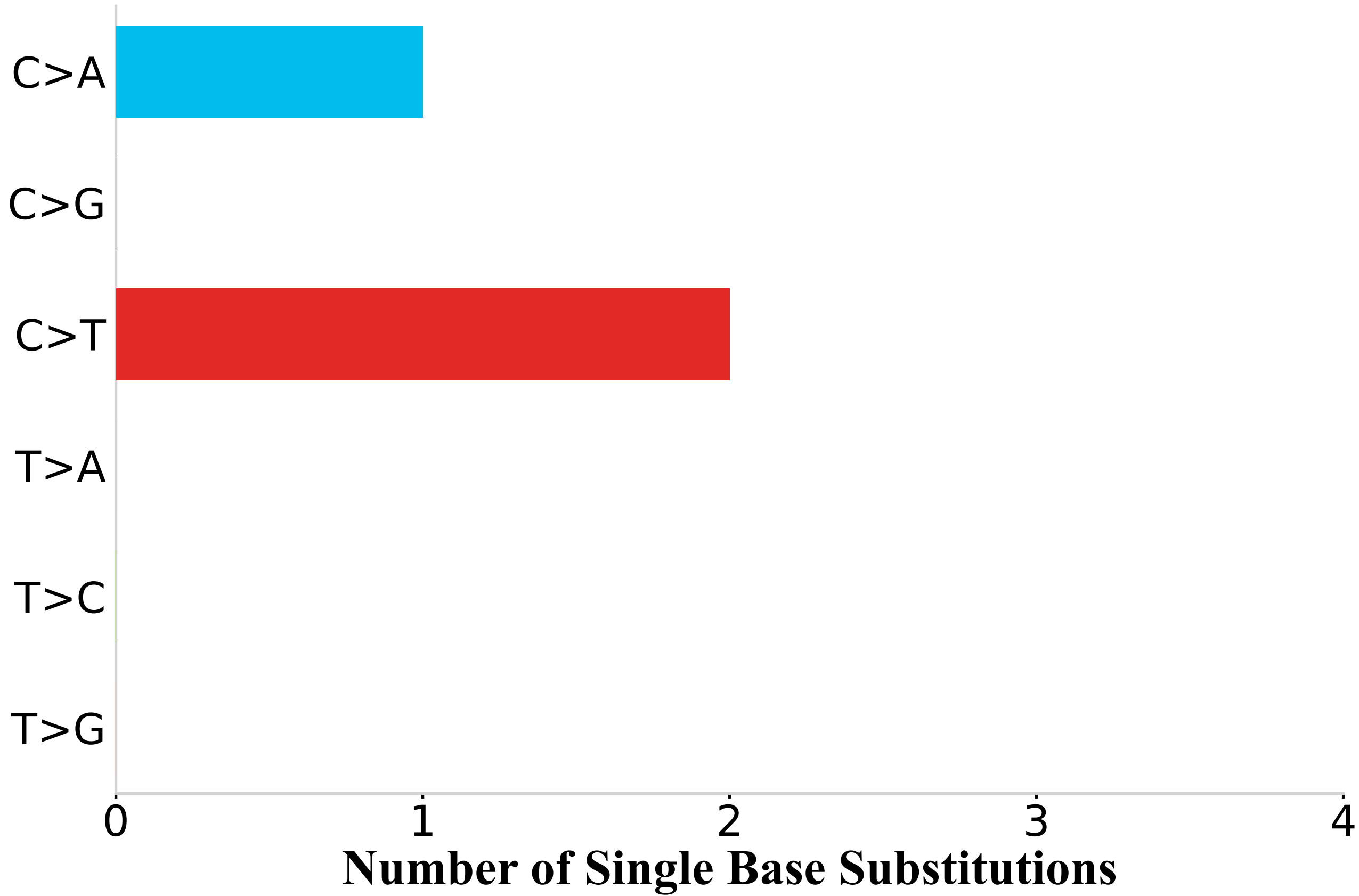
P-0008064-T01-IM5: 4 subs



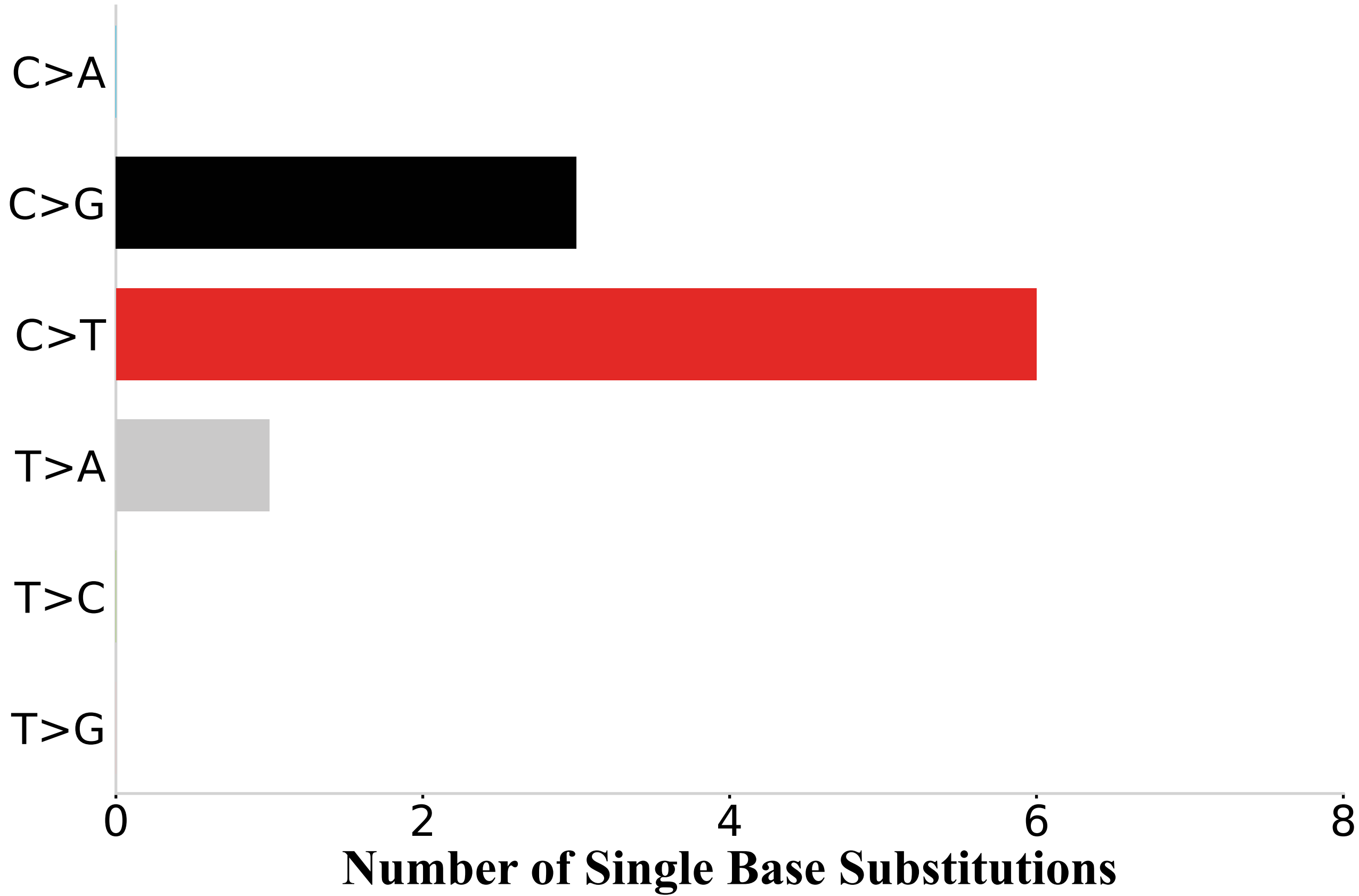
P-0008073-T01-IM5: 6 subs



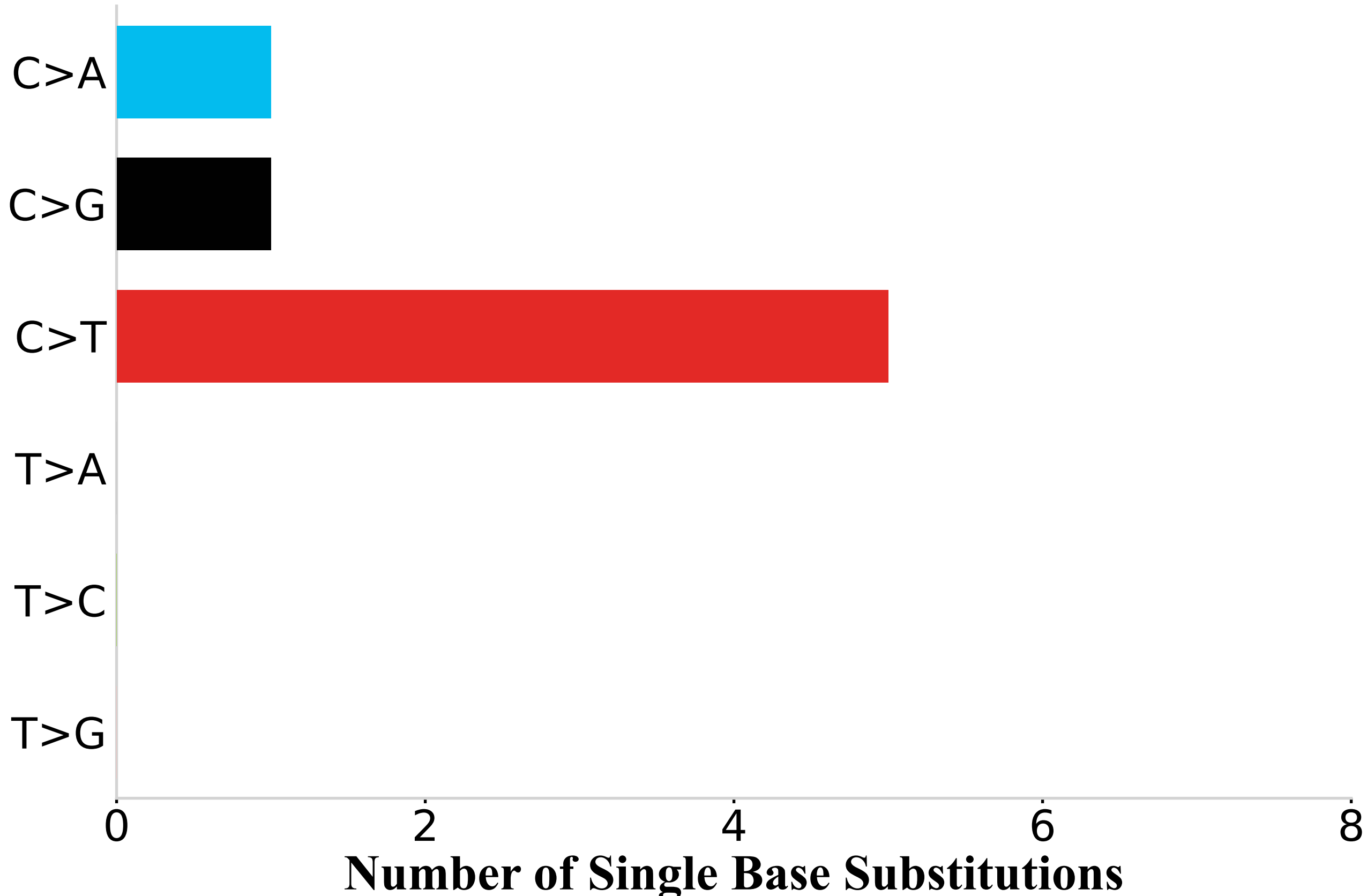
P-0008097-T01-IM5: 3 subs



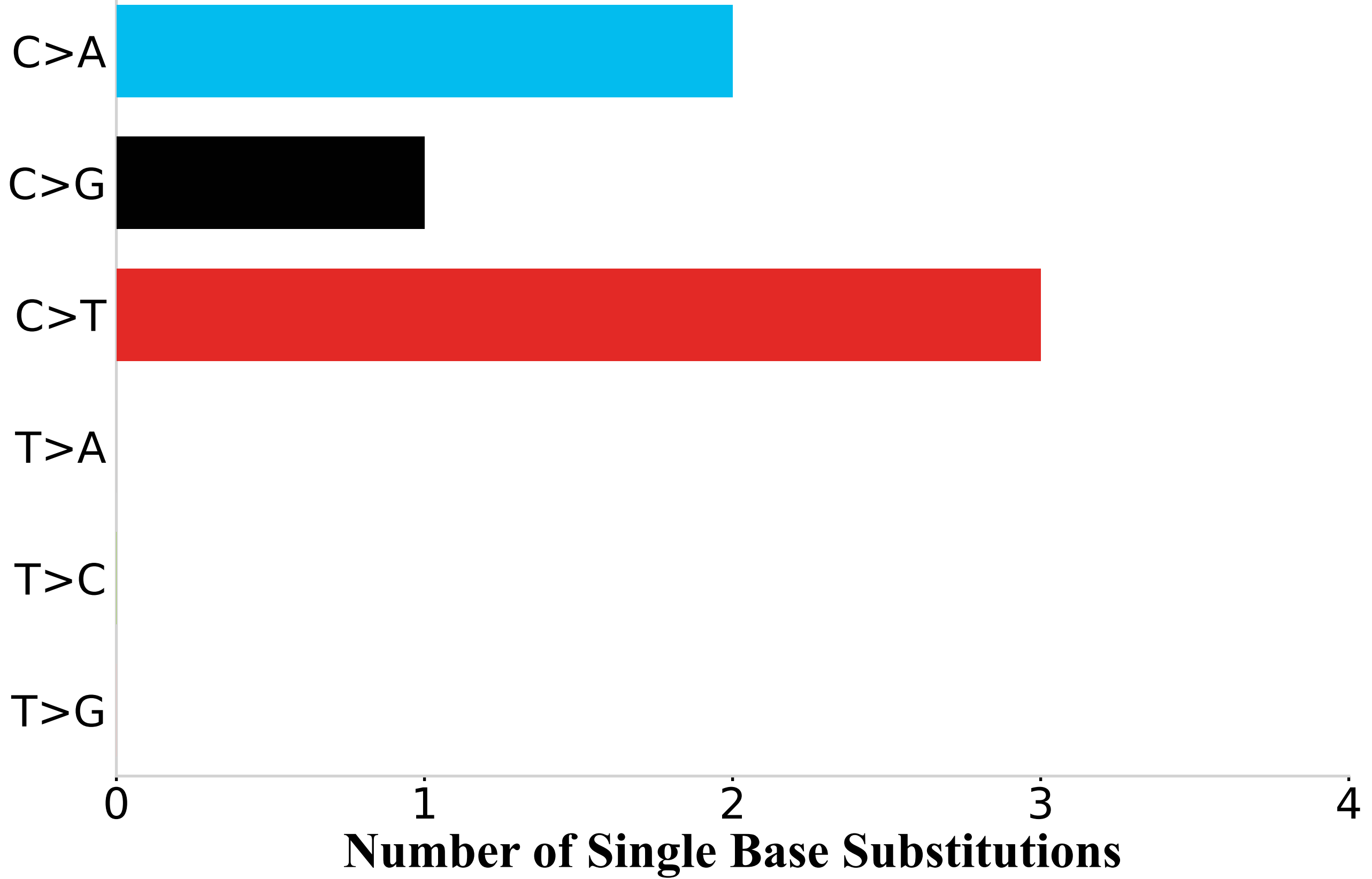
P-0008105-T01-IM5: 10 subs



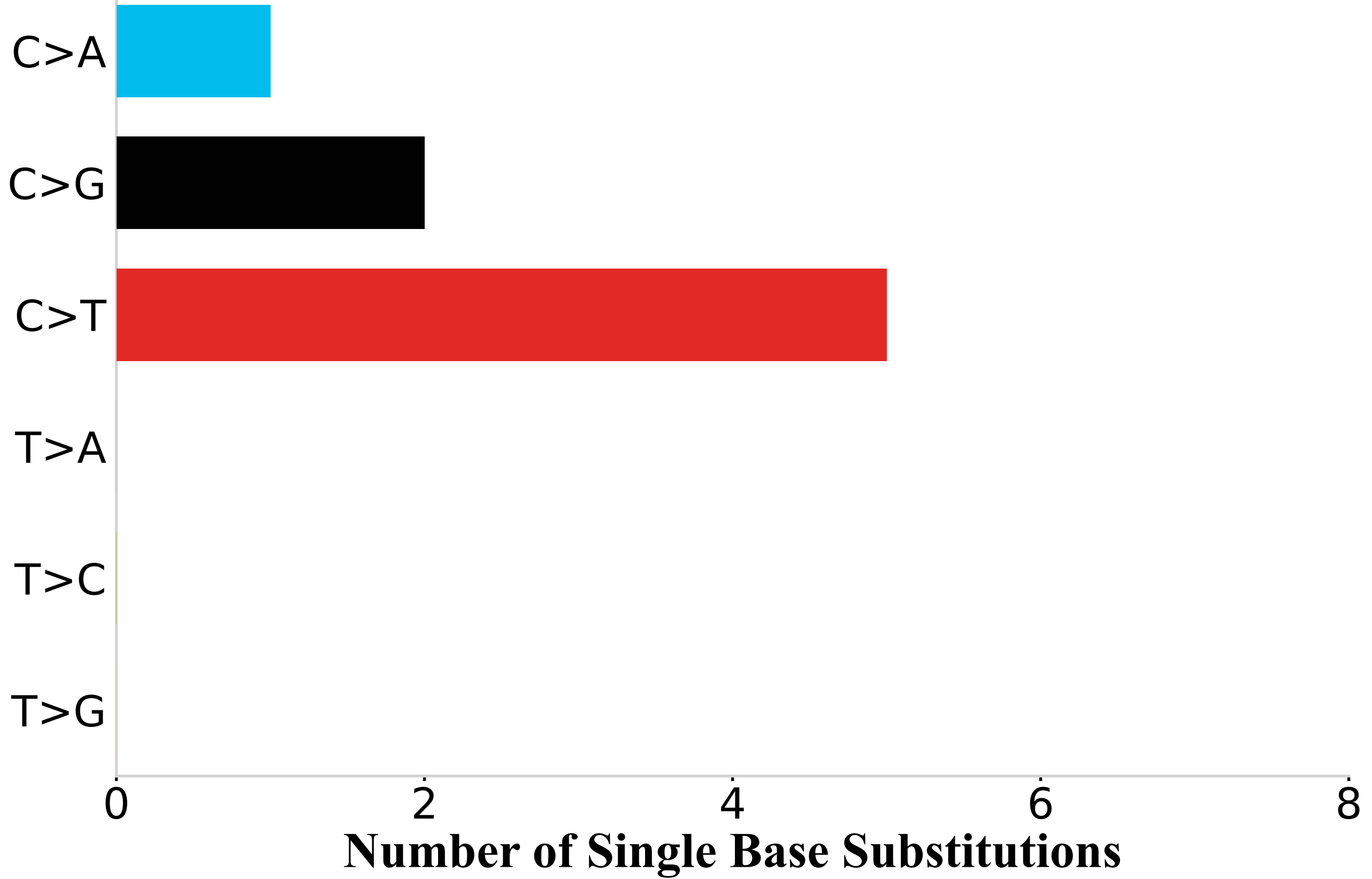
P-0008169-T01-IM5: 7 subs



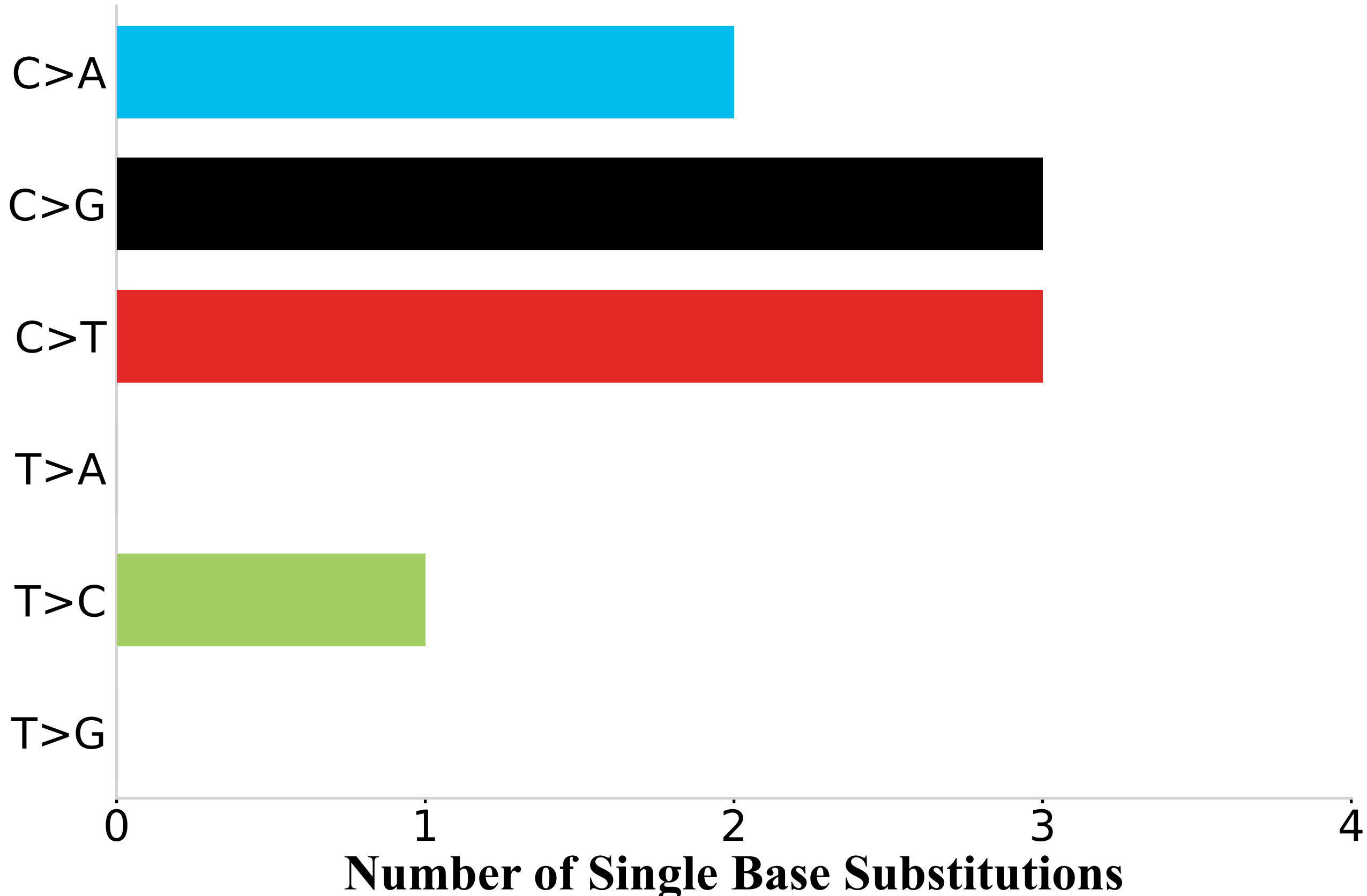
P-0008214-T01-IM5: 6 subs



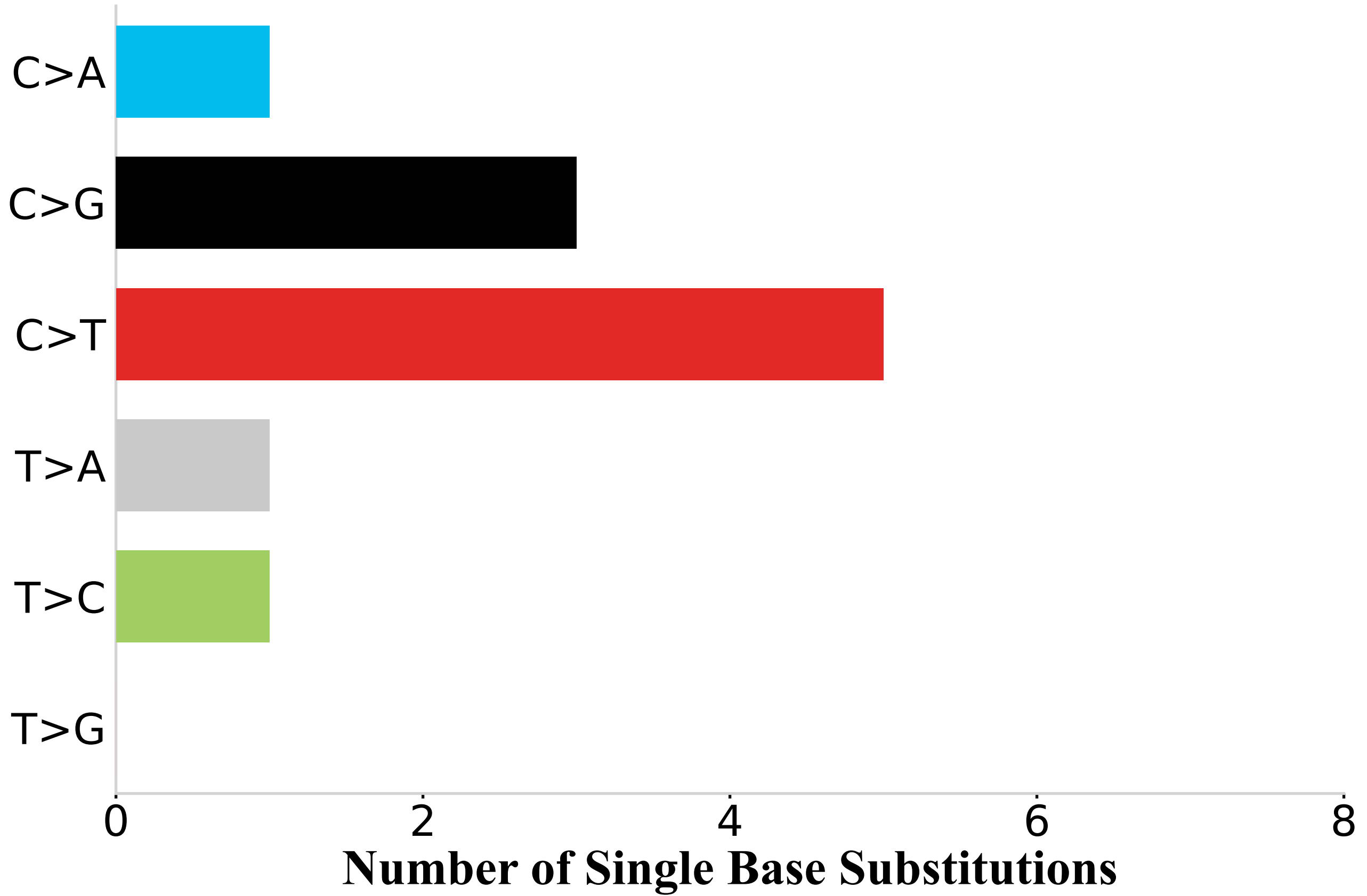
P-0008229-T01-IM5: 8 subs



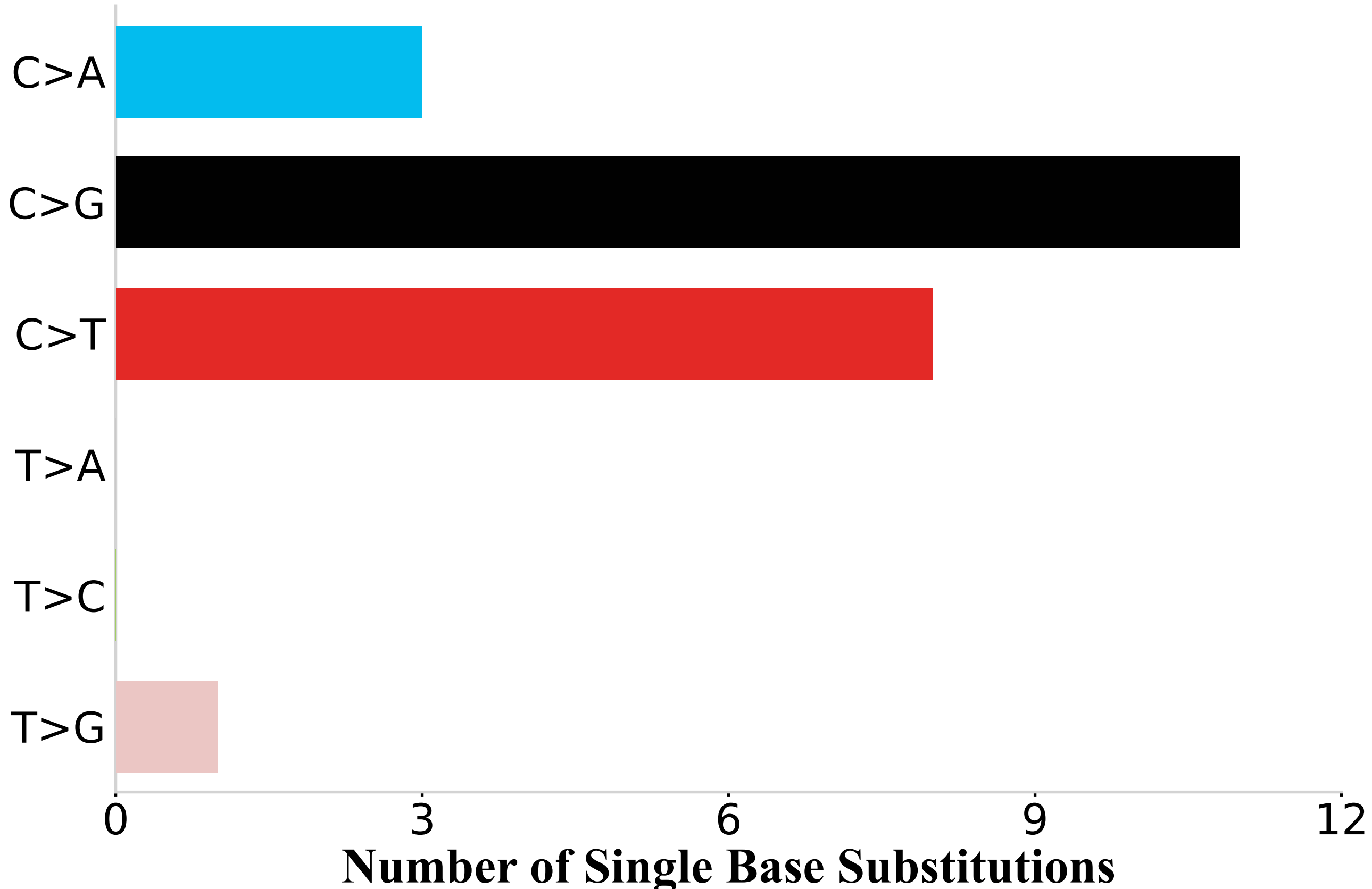
P-0008248-T01-IM5: 9 subs



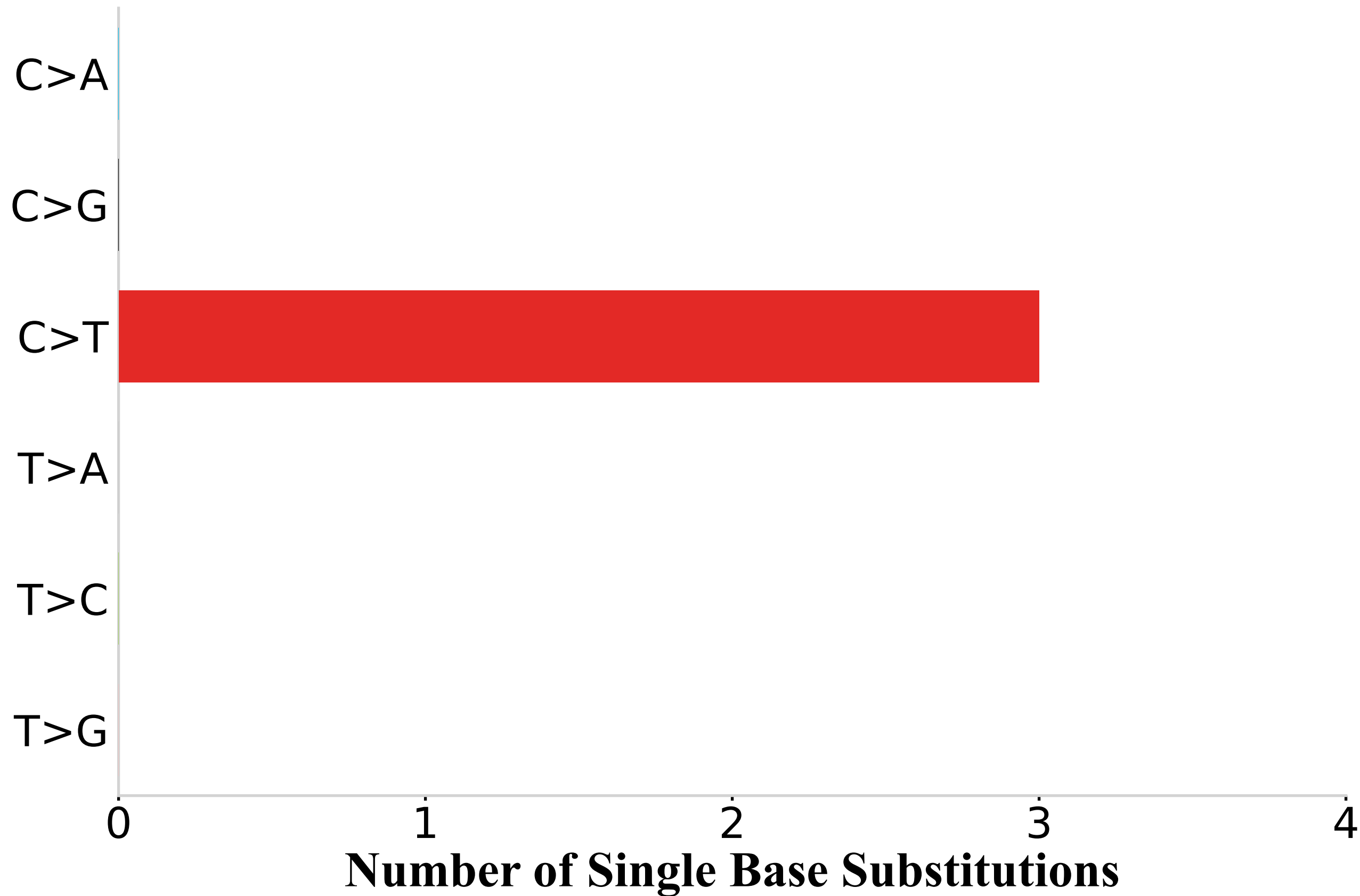
P-0008328-T01-IM5: 11 subs



P-0008353-T01-IM5: 23 subs



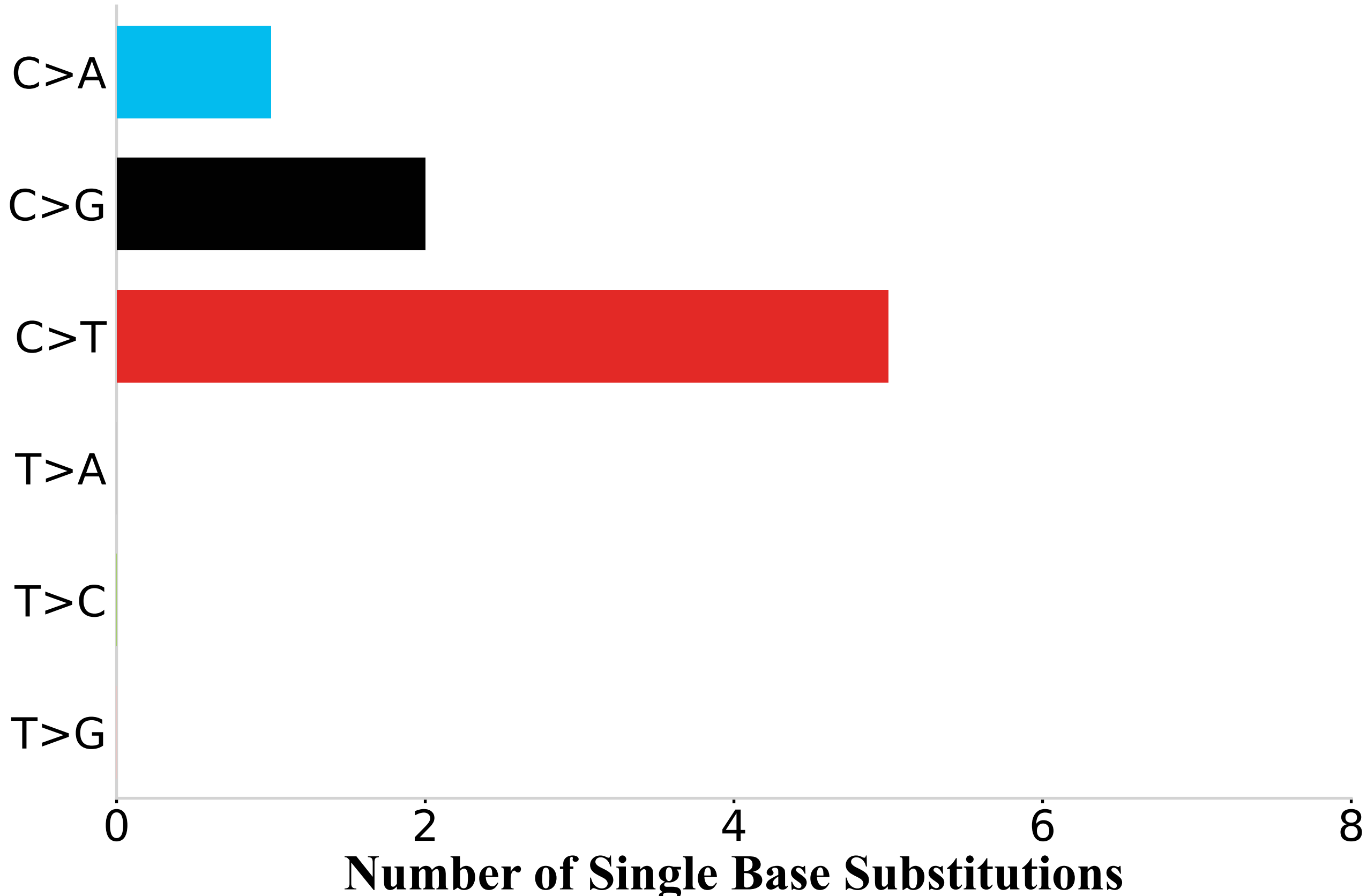
P-0008453-T01-IM5: 3 subs



P-0008518-T01-IM5: 1 subs



P-0008528-T01-IM5: 8 subs



P-0008792-T01-IM5: 10 subs

C>A

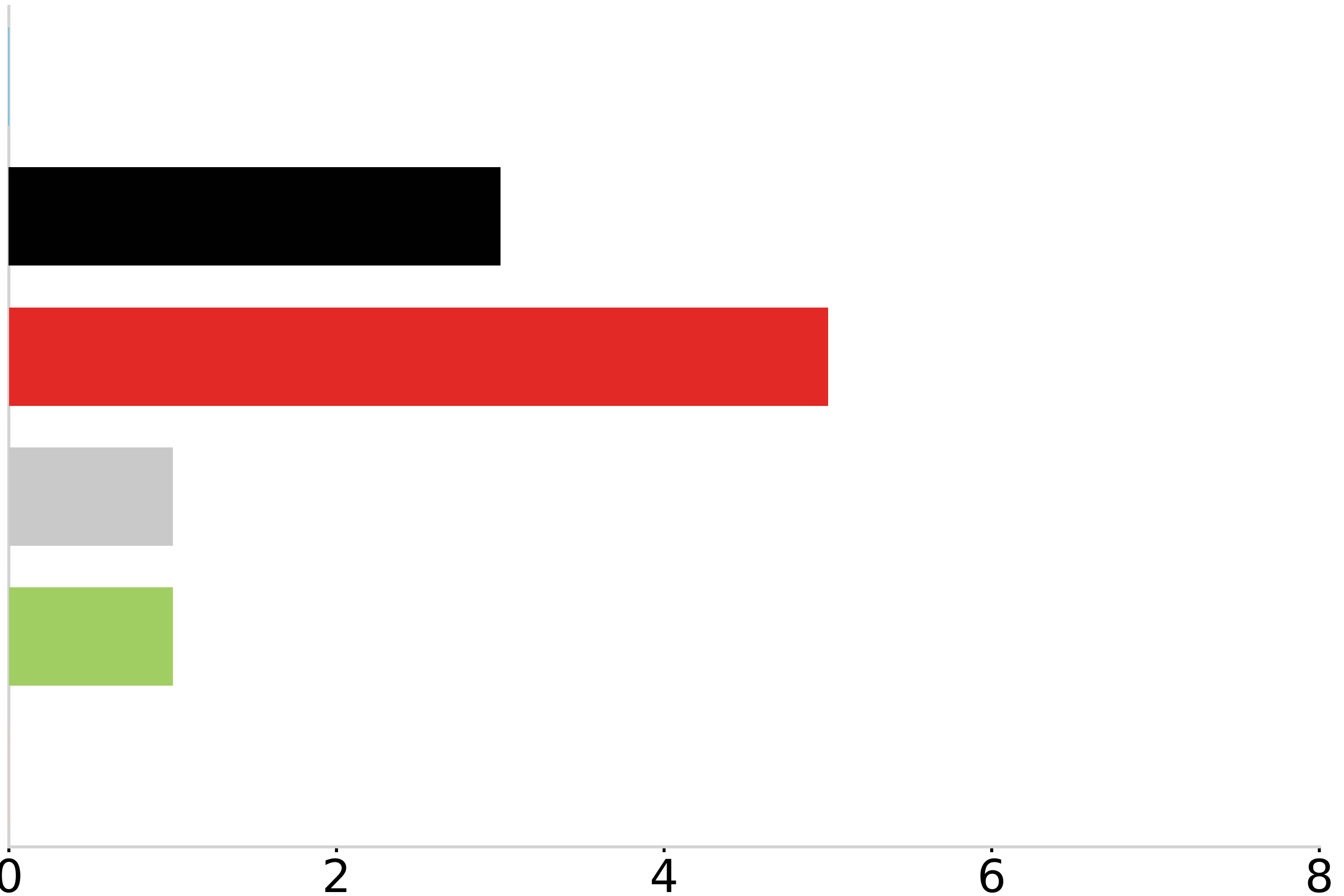
C>G

C>T

T>A

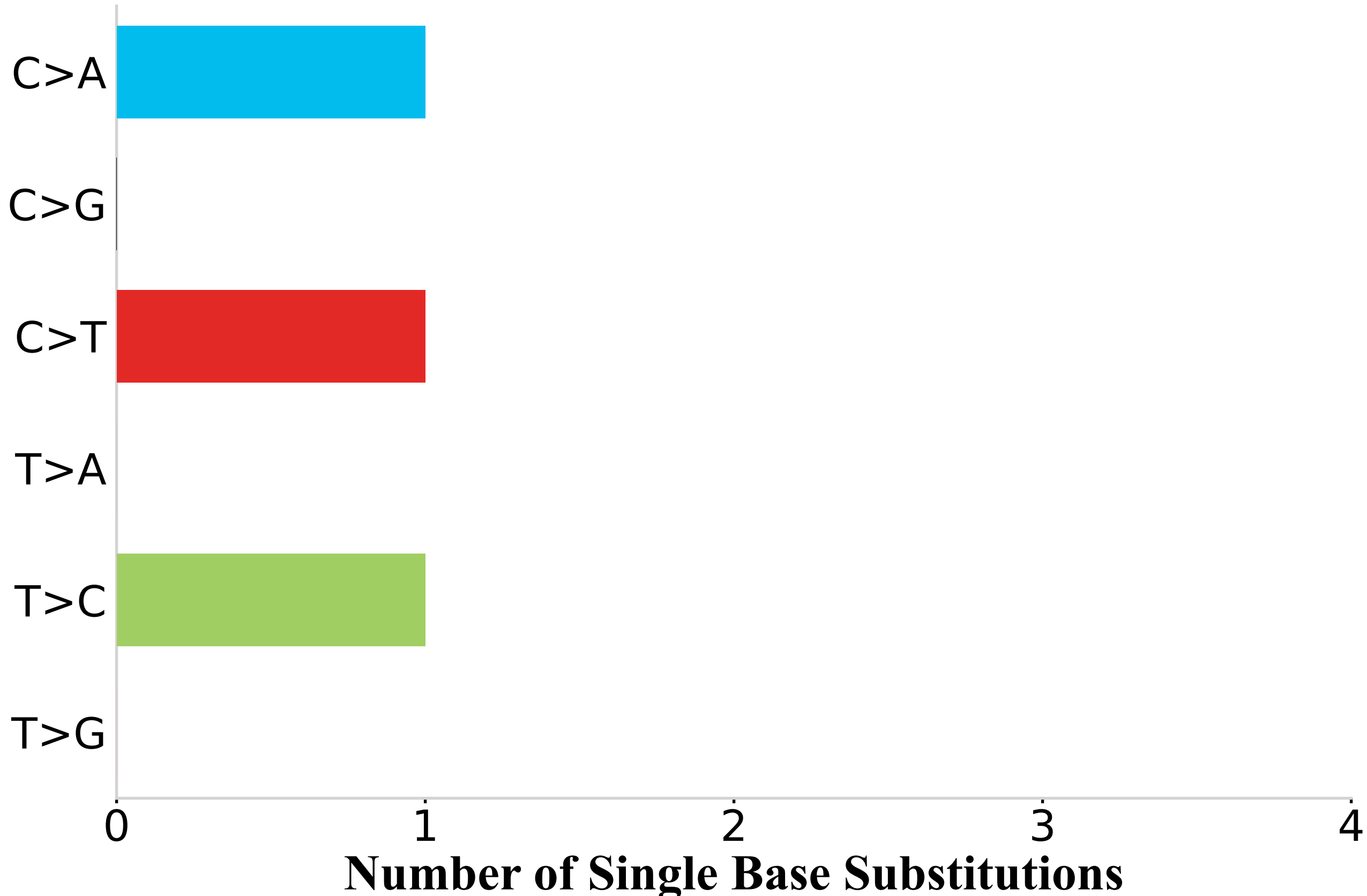
T>C

T>G



Number of Single Base Substitutions

P-0008800-T02-IM5: 3 subs



P-0008932-T01-IM5: 4 subs

C>A

C>G

C>T

T>A

T>C

T>G

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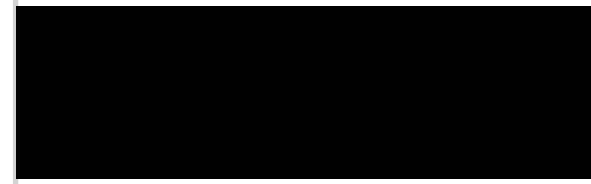
1

2

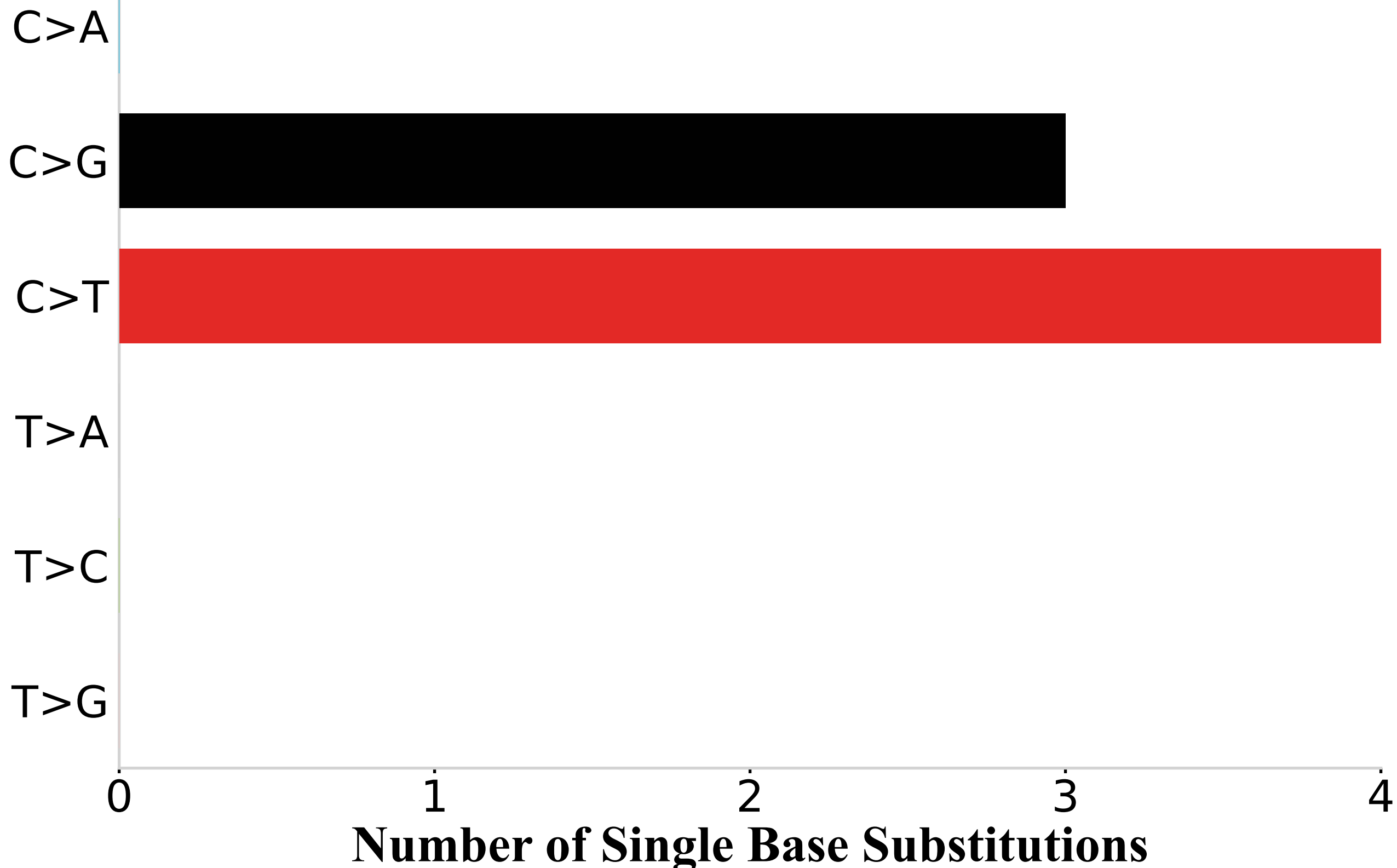
3

4

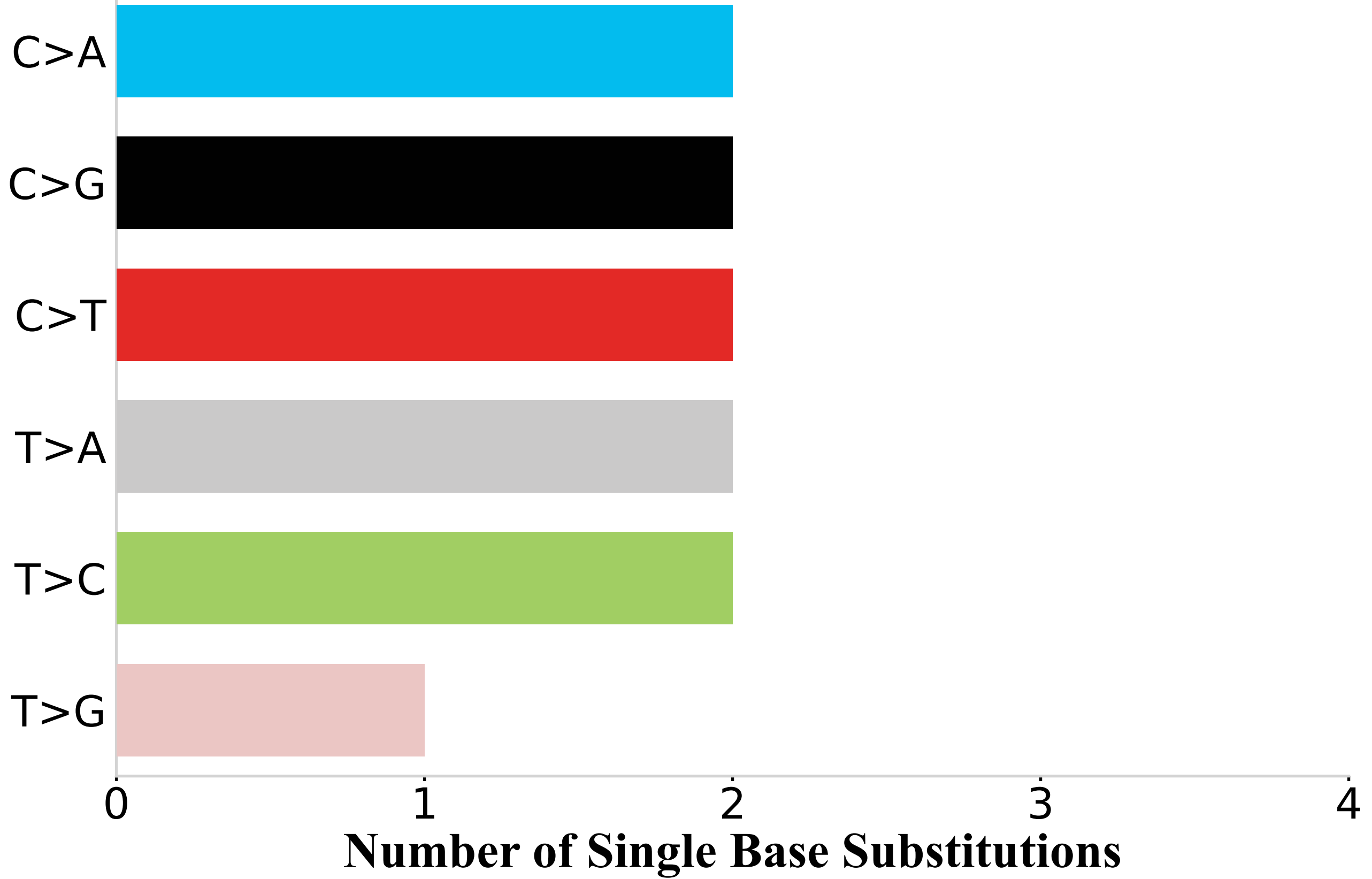
Number of Single Base Substitutions



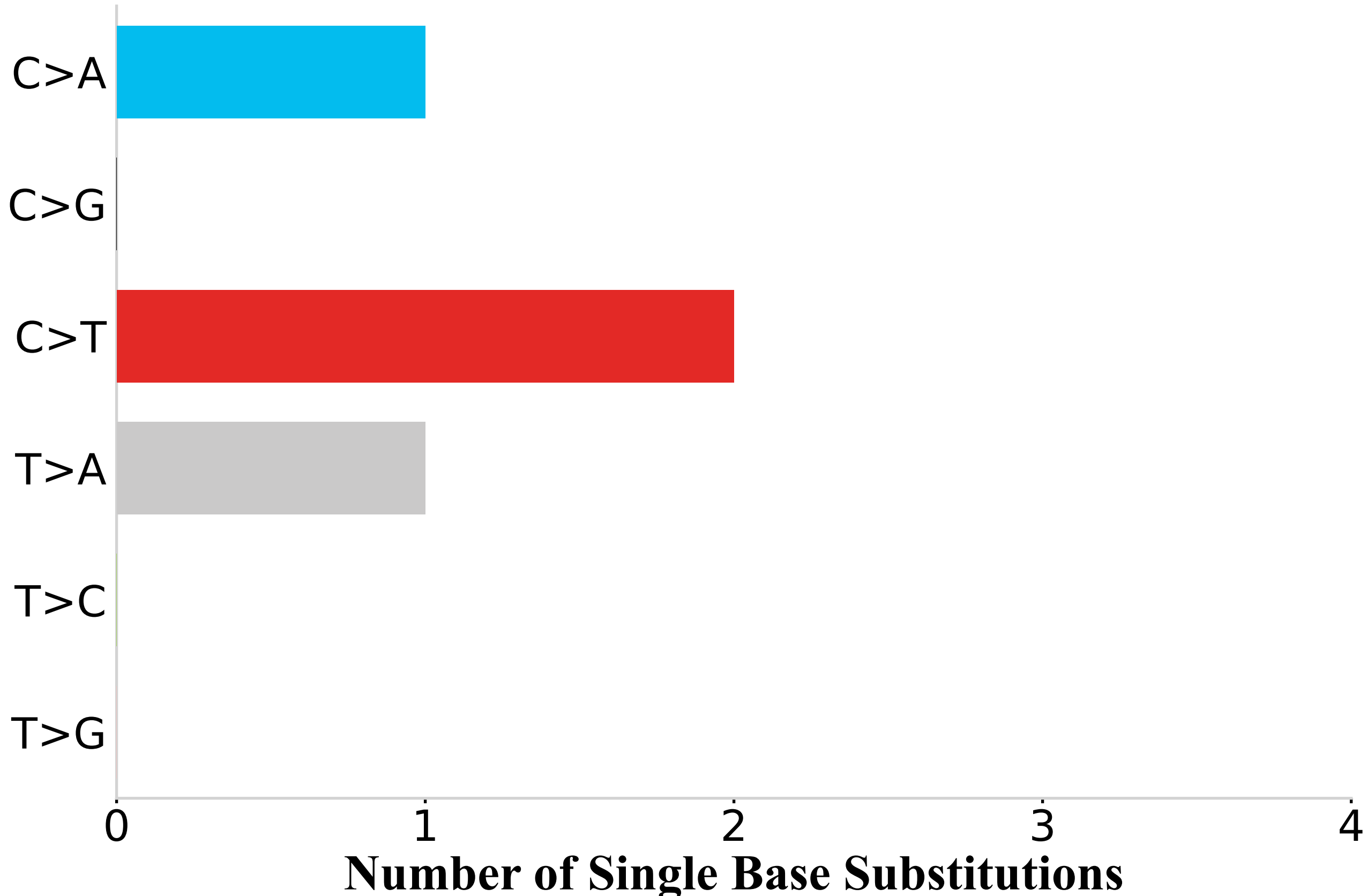
P-0009188-T01-IM5: 7 subs



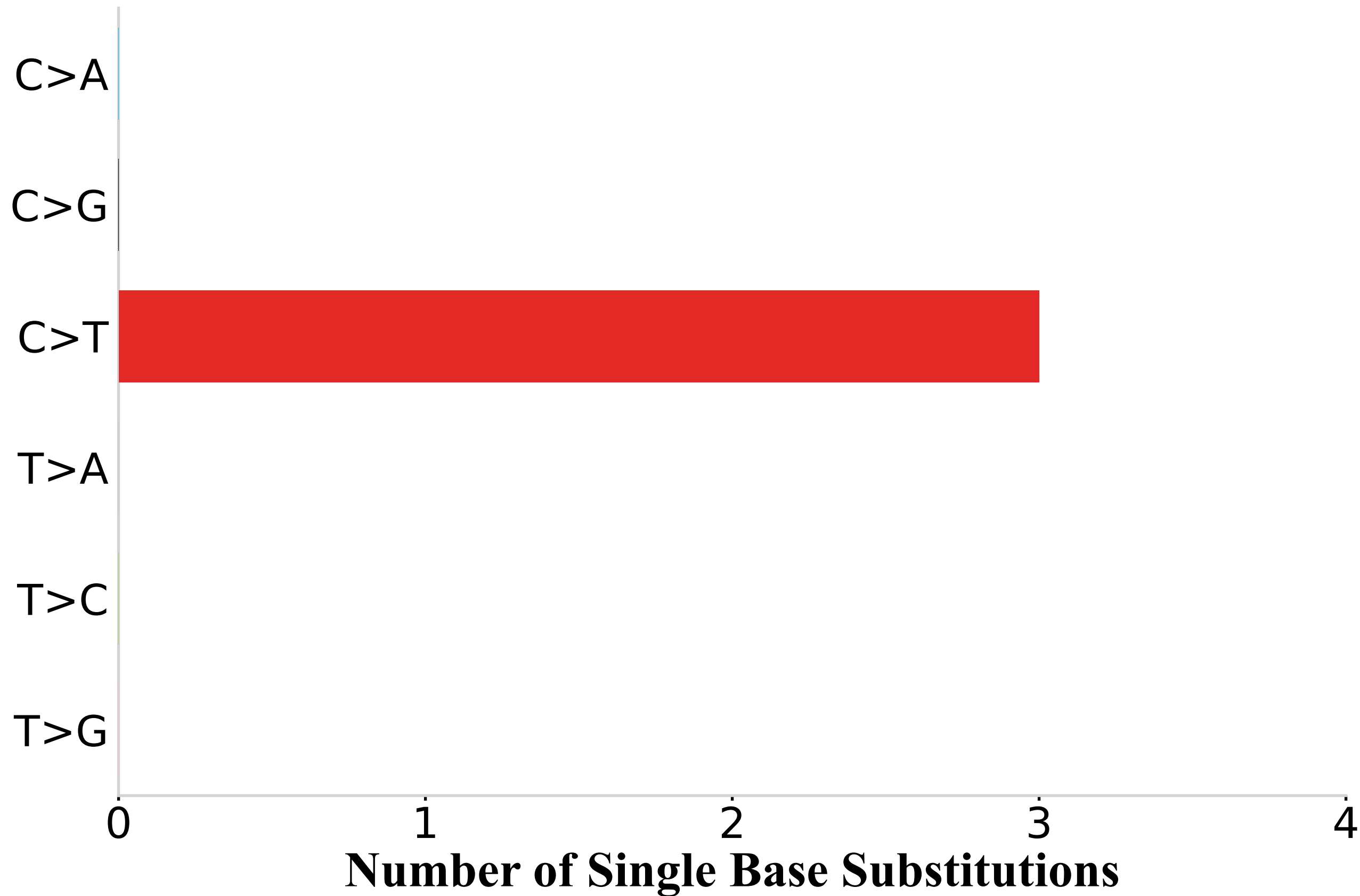
P-0009202-T01-IM5: 11 subs



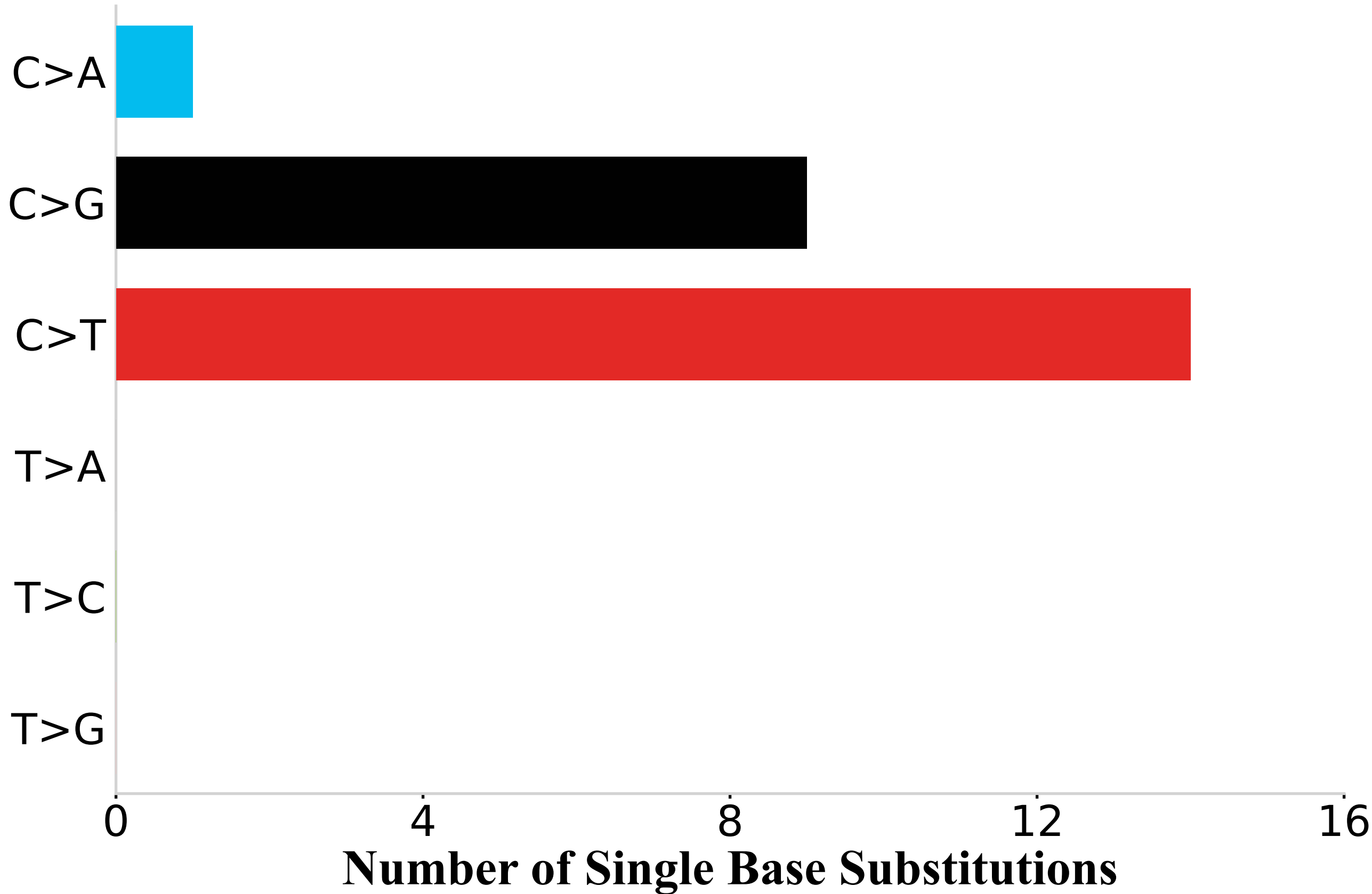
P-0009315-T01-IM5: 4 subs



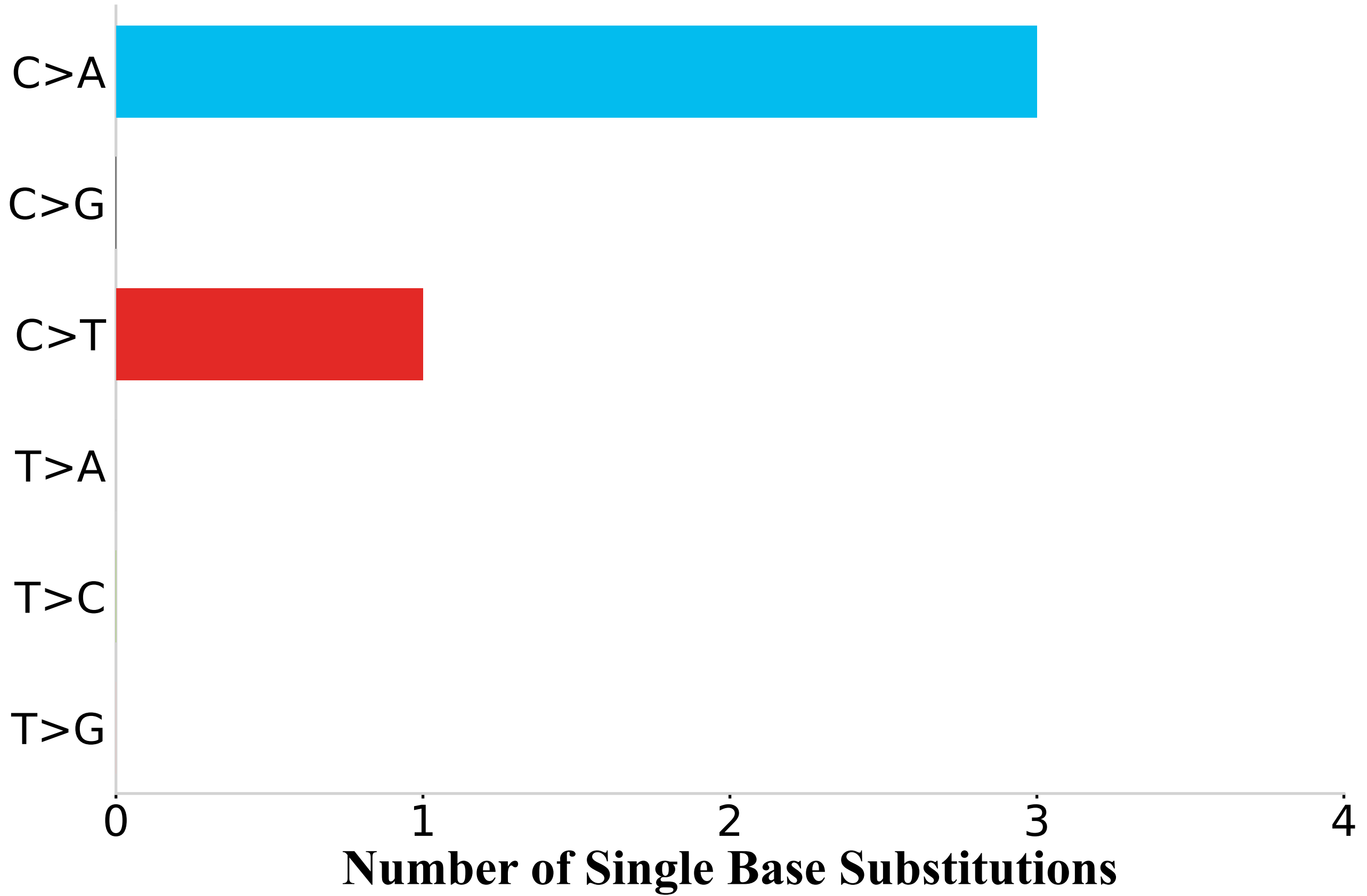
P-0009754-T01-IM5: 3 subs



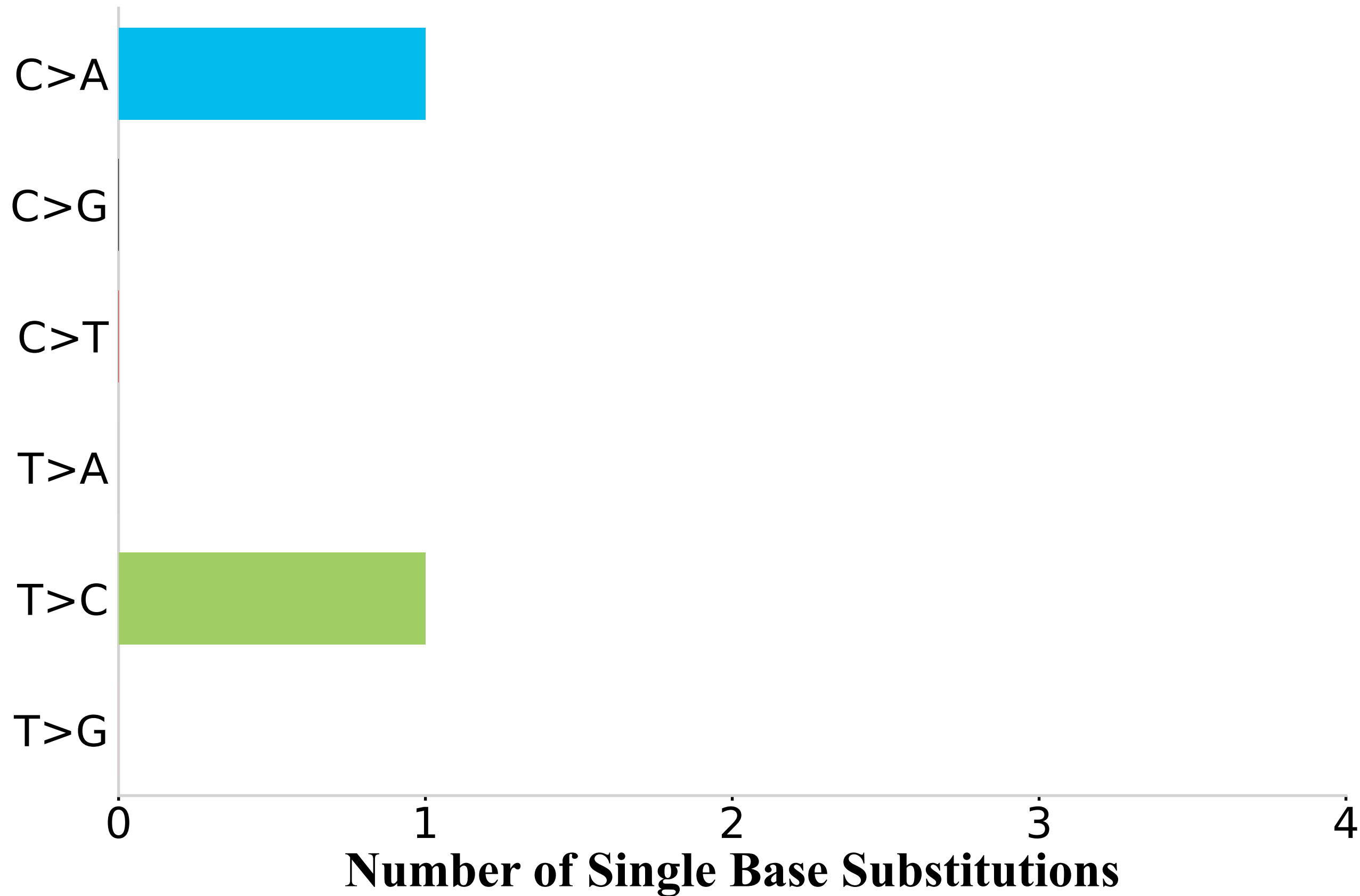
P-0009761-T01-IM5: 24 subs



P-0009969-T01-IM5: 4 subs



P-0009991-T01-IM5: 2 subs



P-0010073-T01-IM5: 0 subs

C>A

C>G

C>T

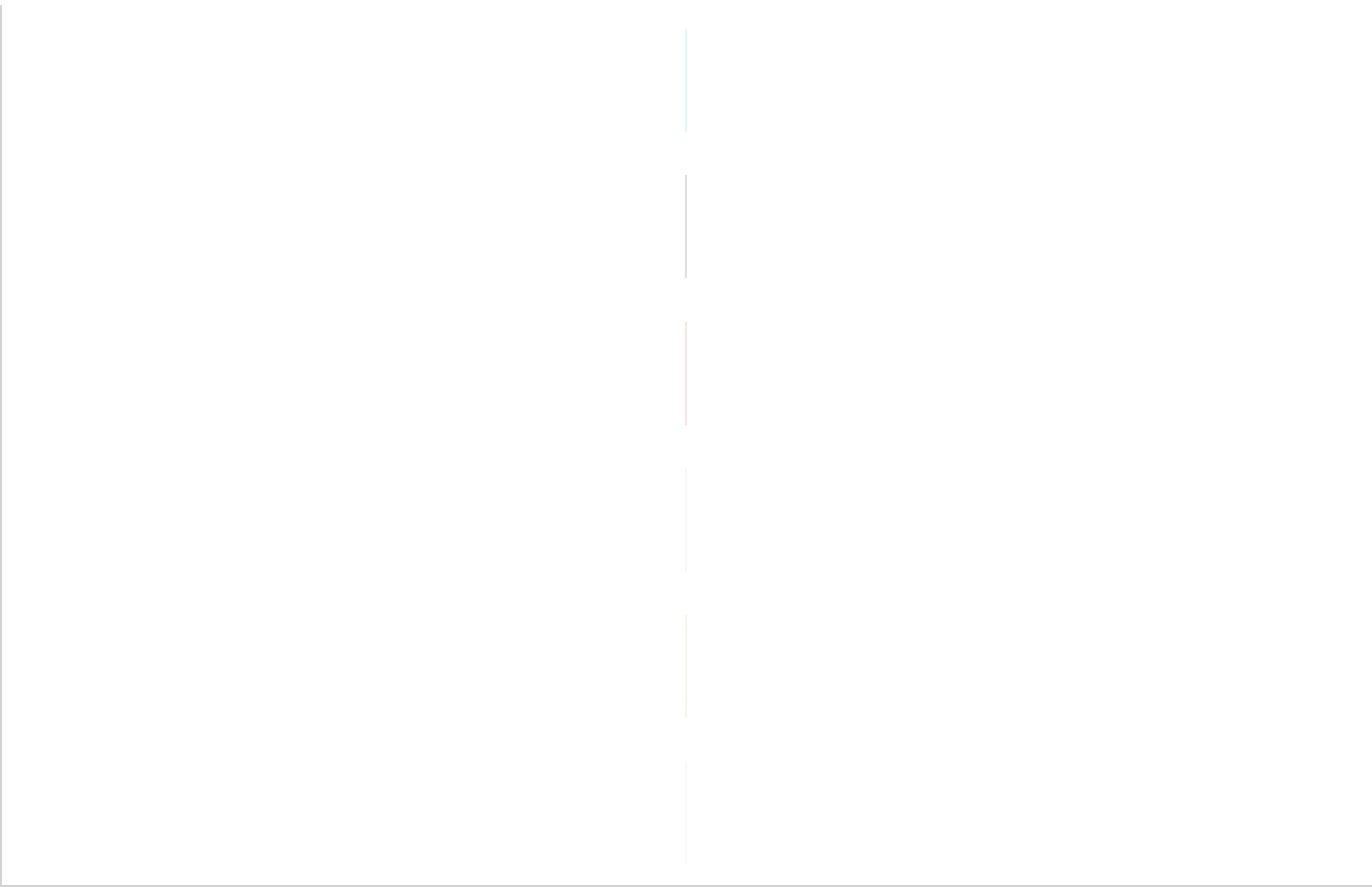
T>A

T>C

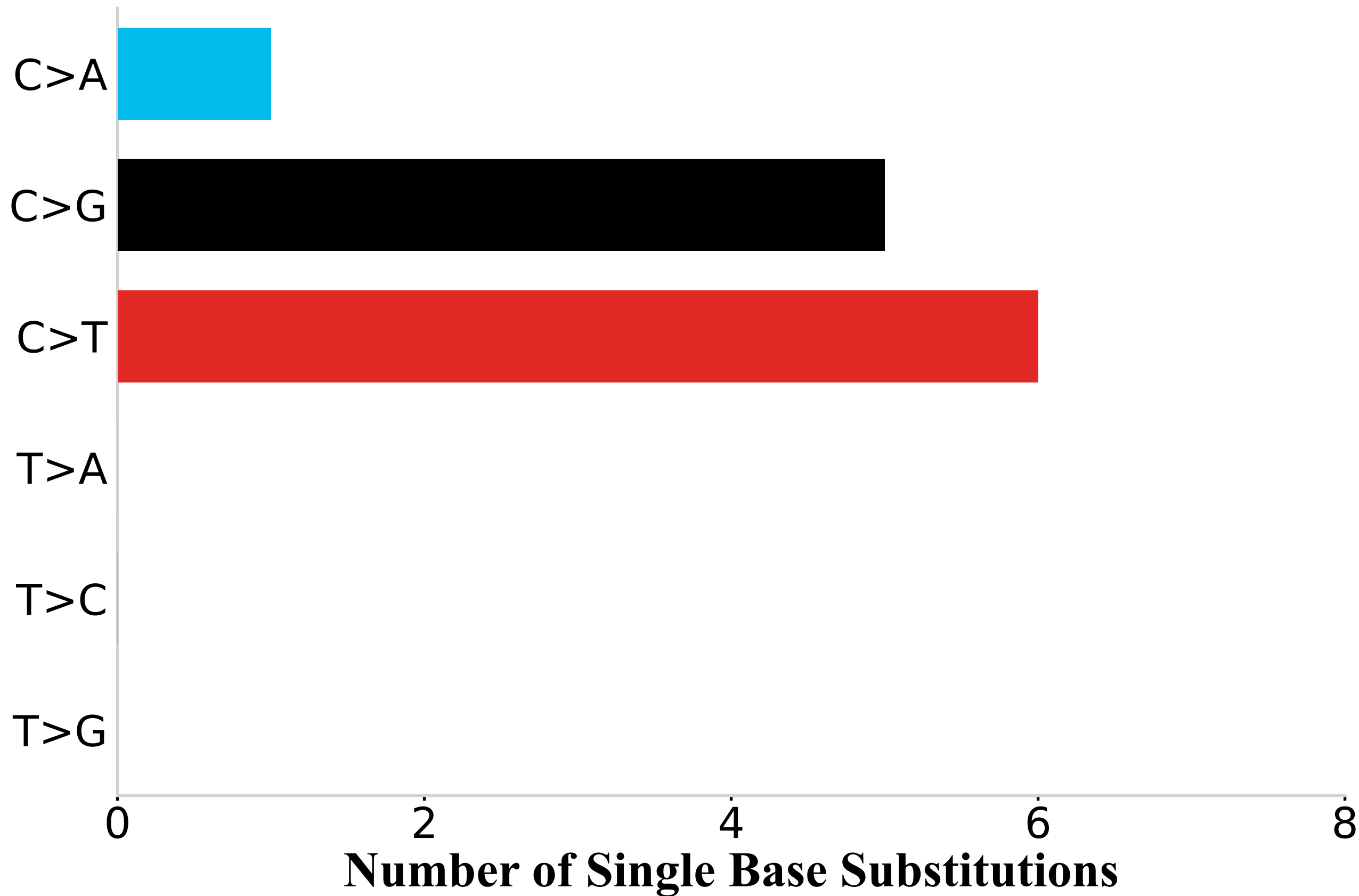
T>G

0

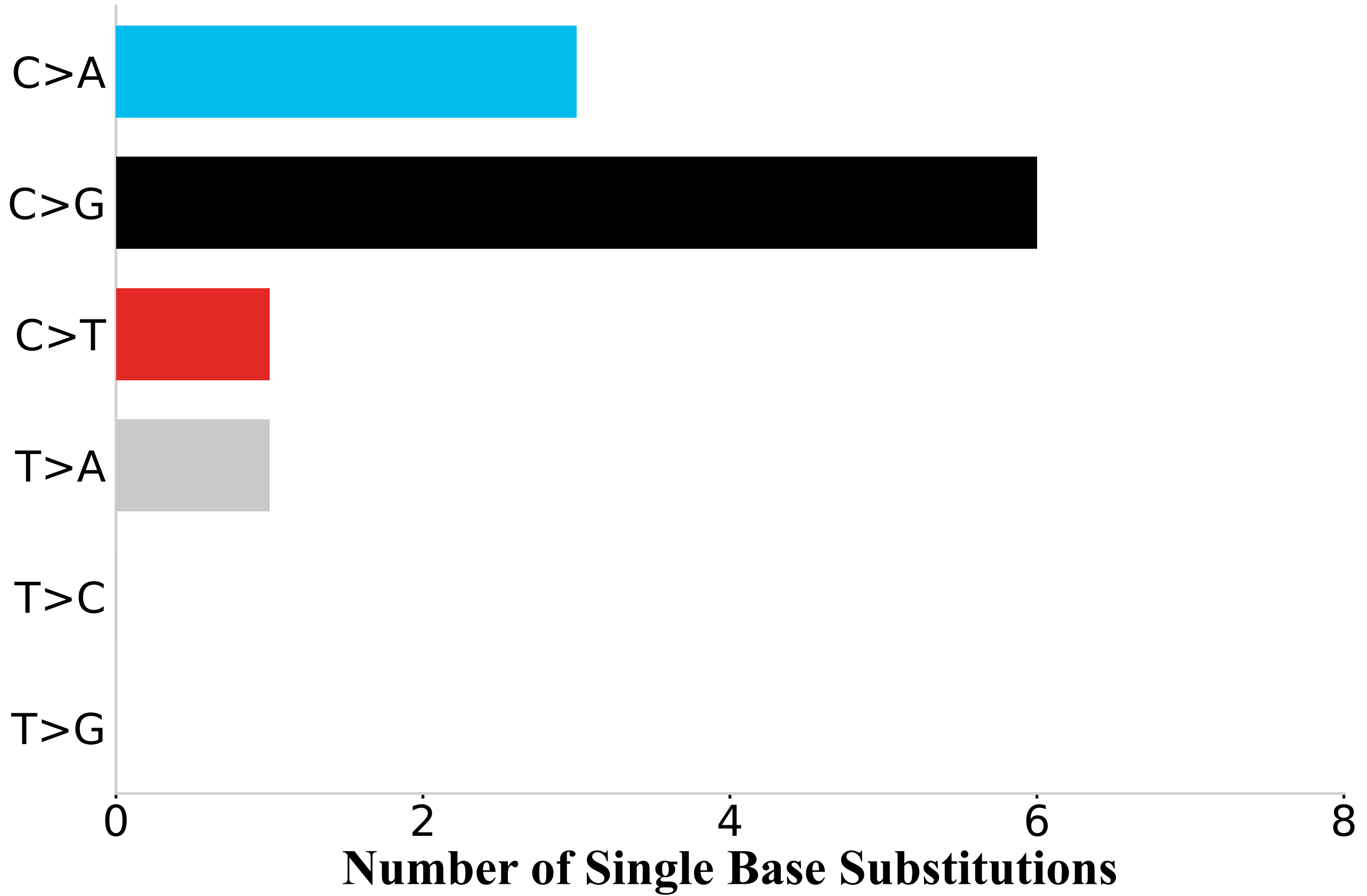
Number of Single Base Substitutions



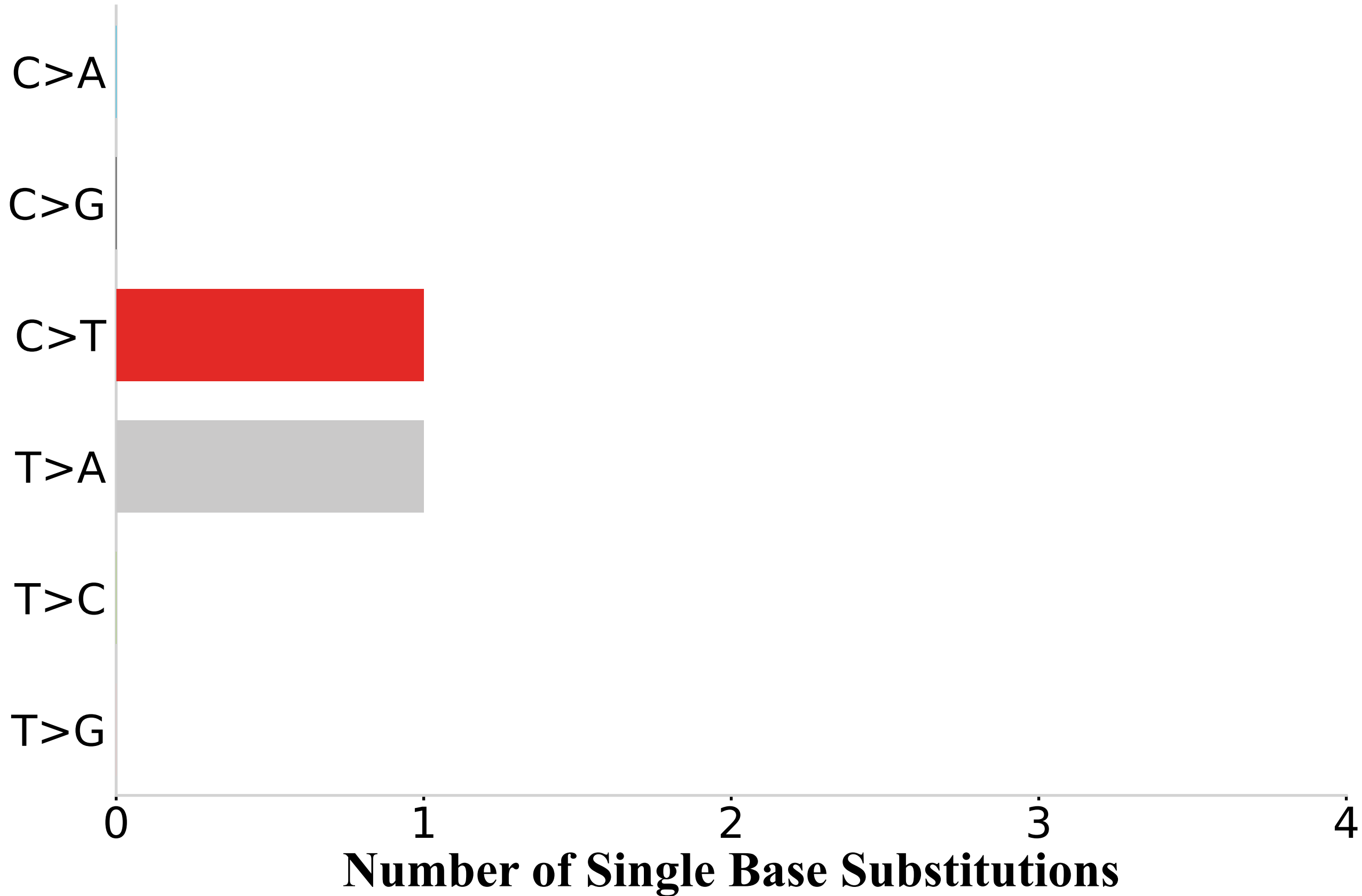
P-0010088-T01-IM5: 12 subs



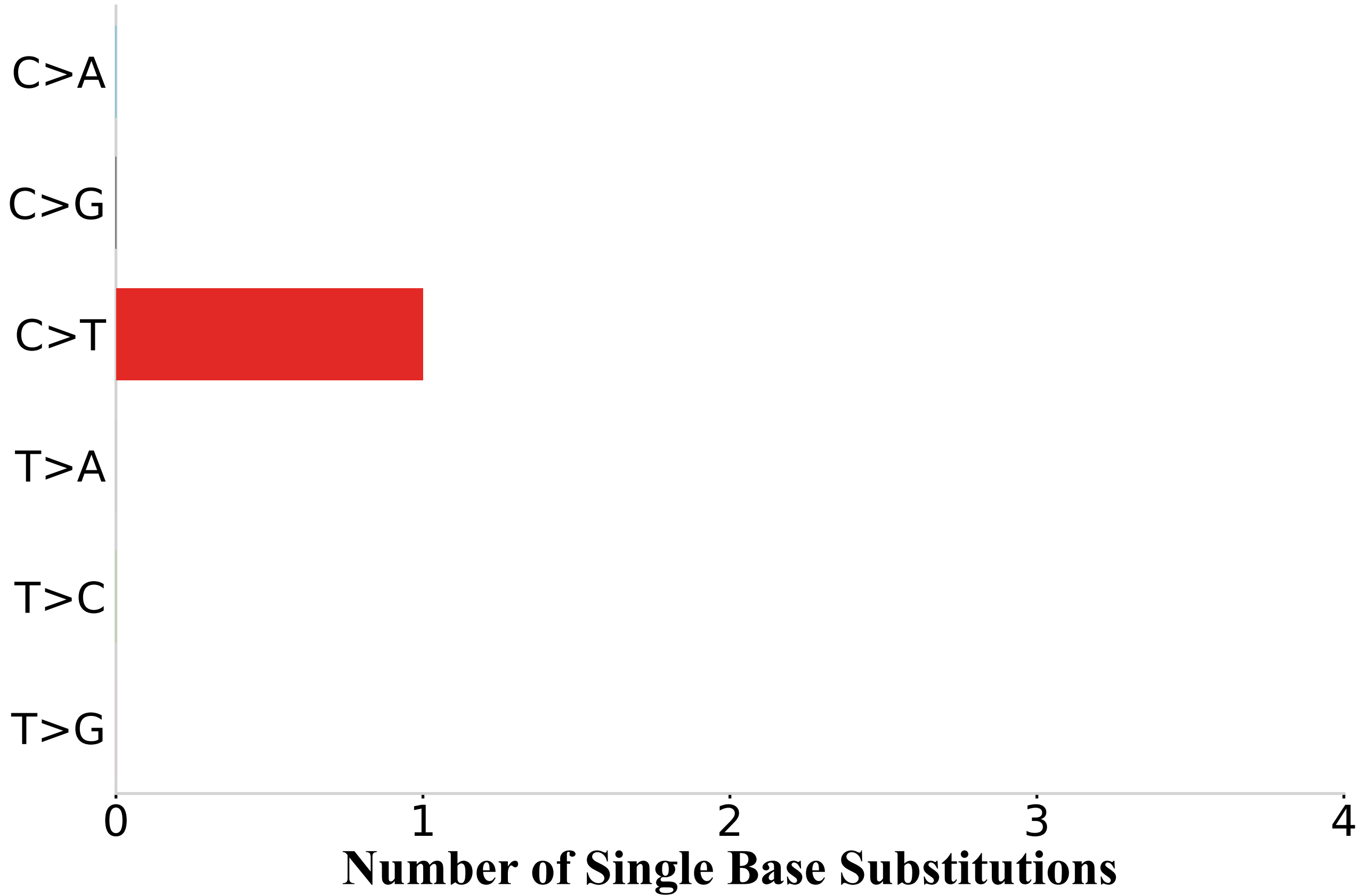
P-0010174-T01-IM5: 11 subs



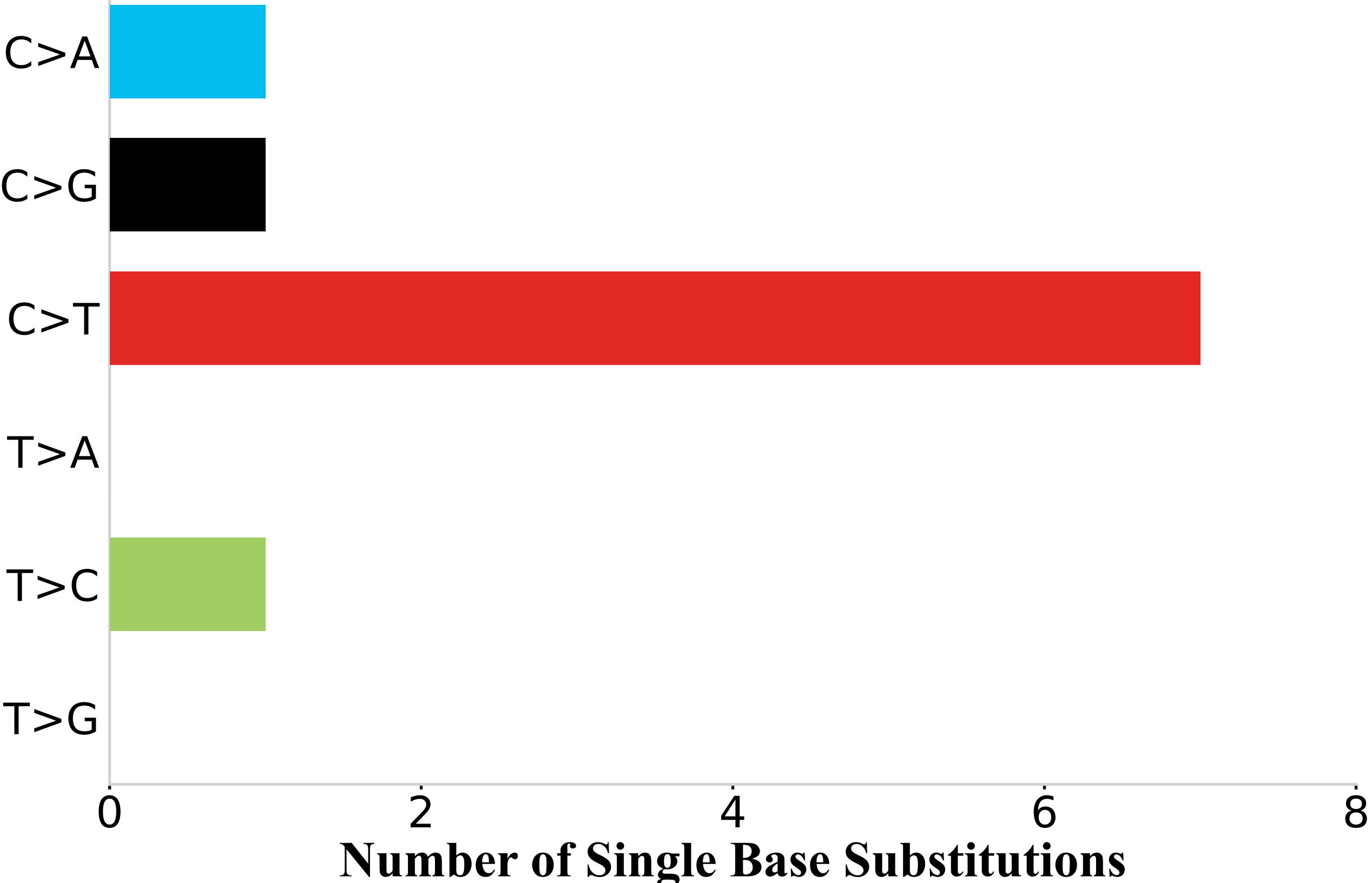
P-0010222-T01-IM5: 2 subs



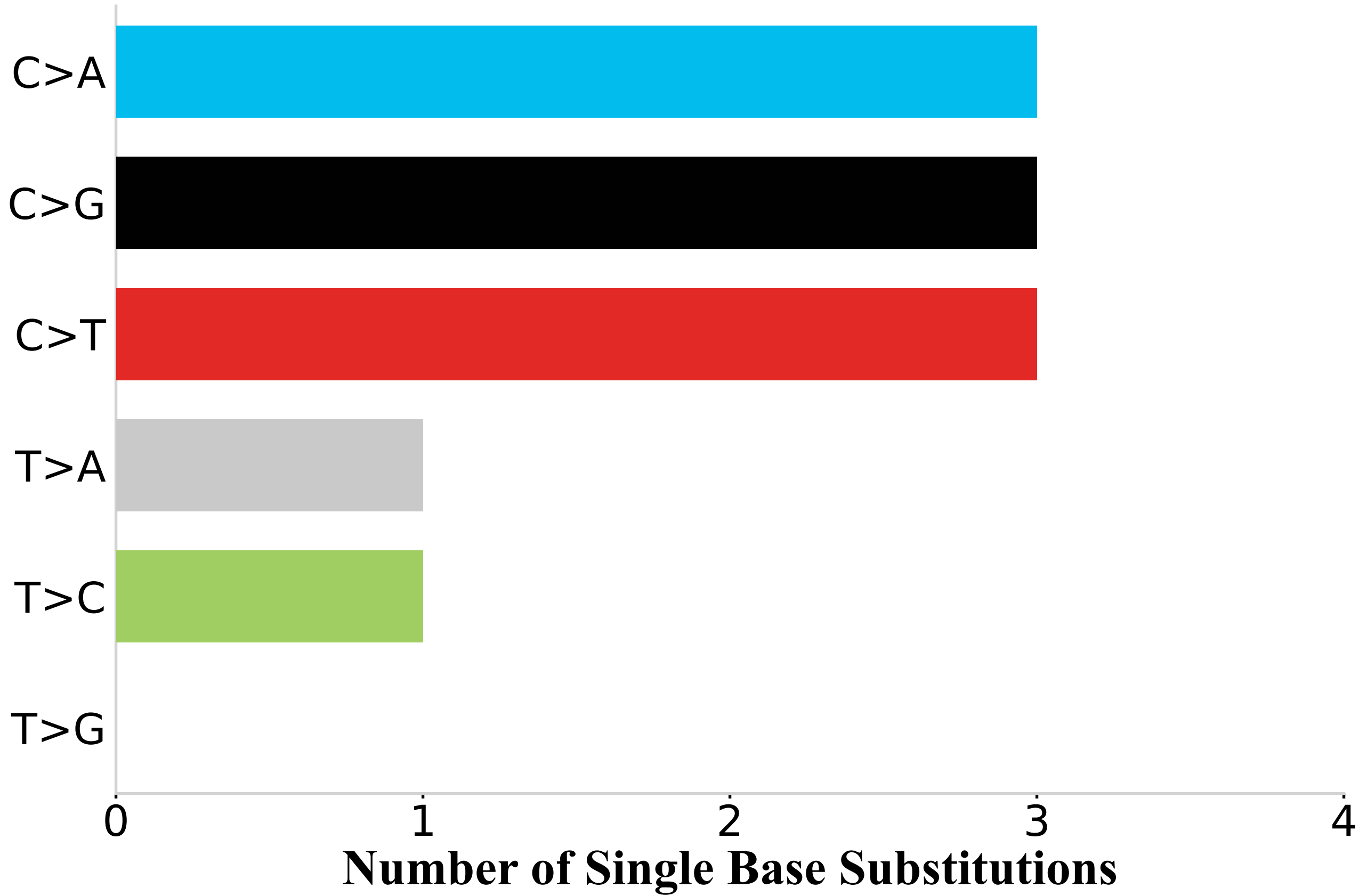
P-0010312-T01-IM5: 1 subs



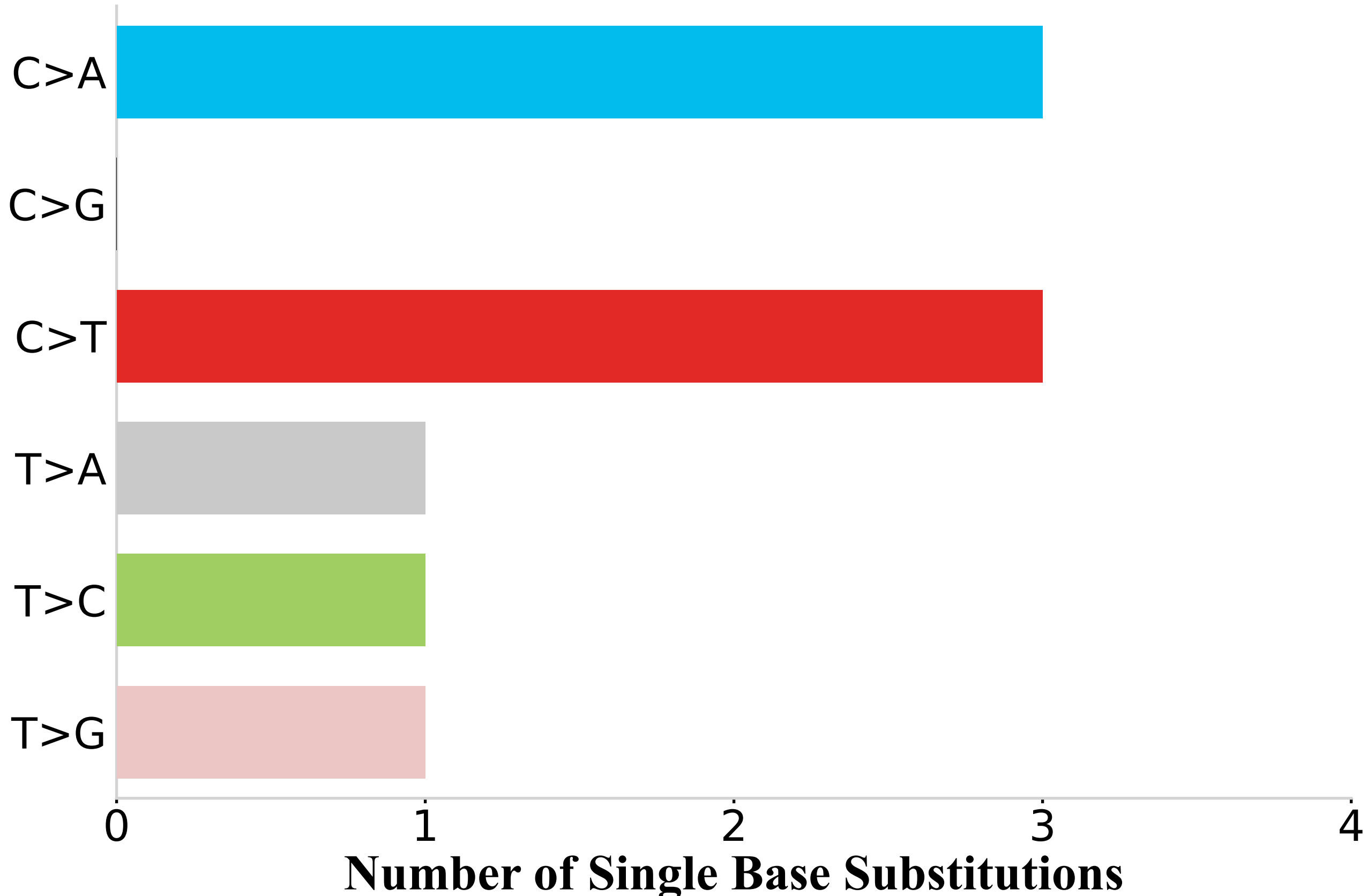
P-0010421-T01-IM5: 10 subs



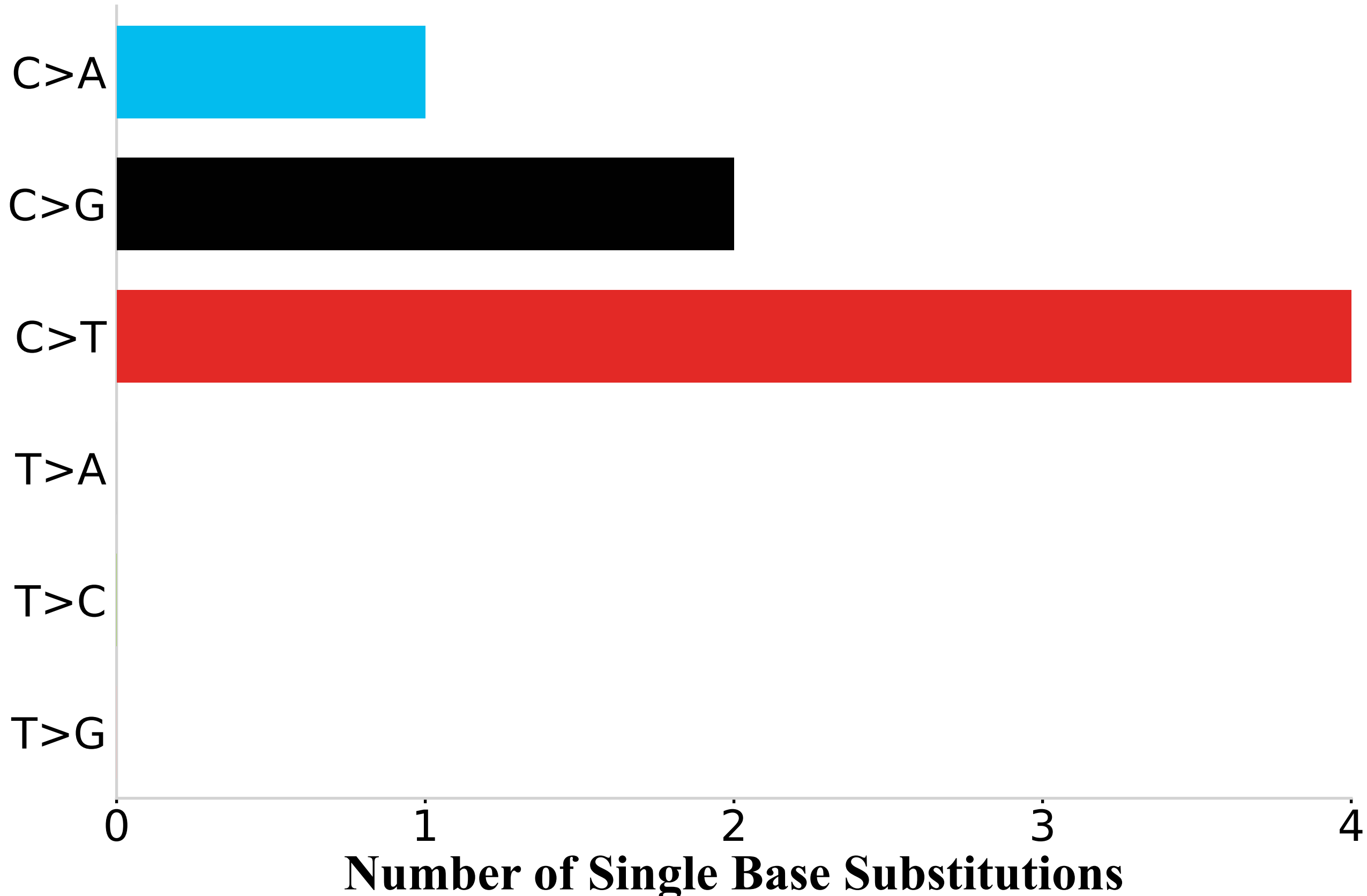
P-0010426-T01-IM5: 11 subs



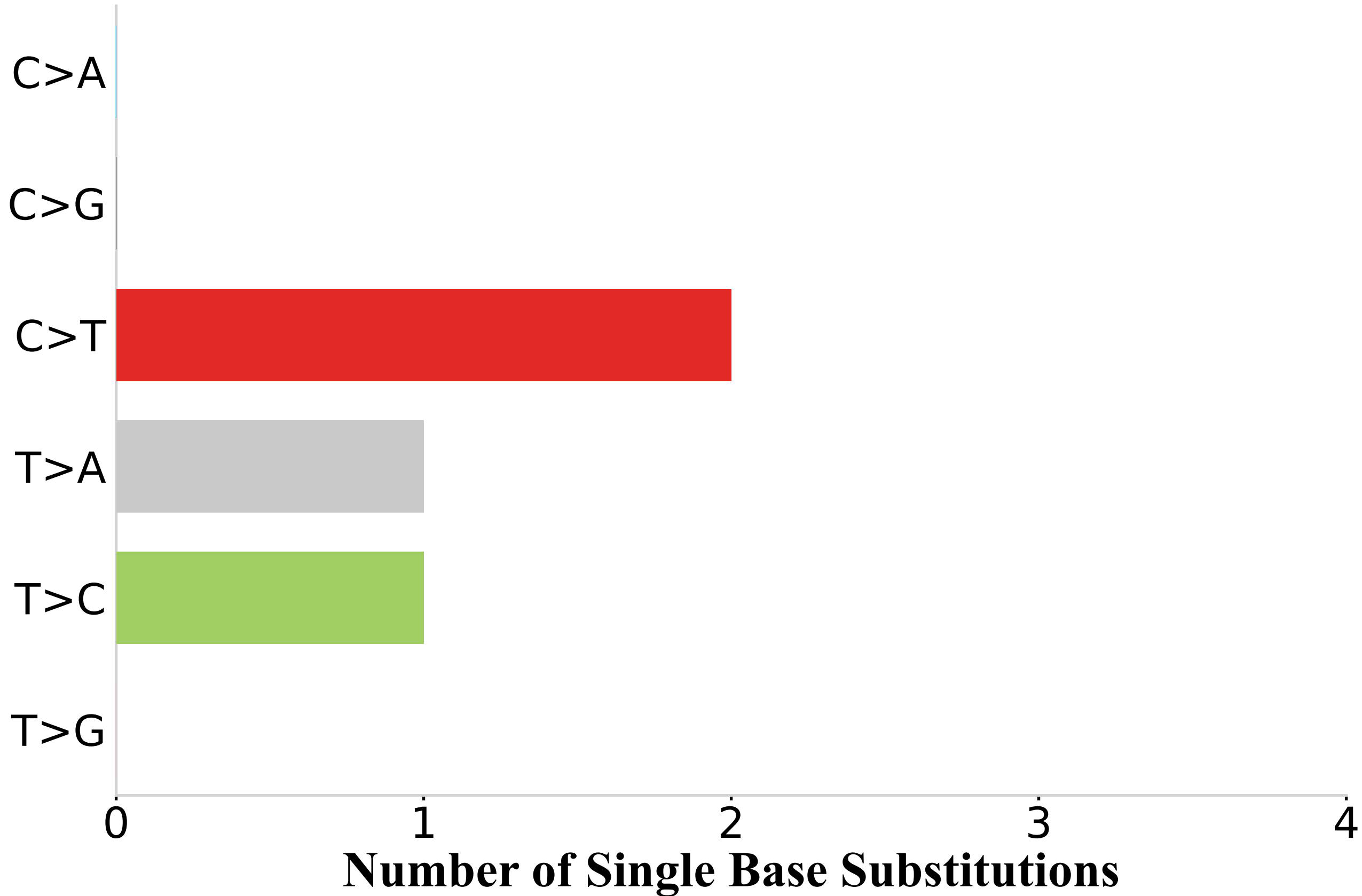
P-0010450-T01-IM5: 9 subs



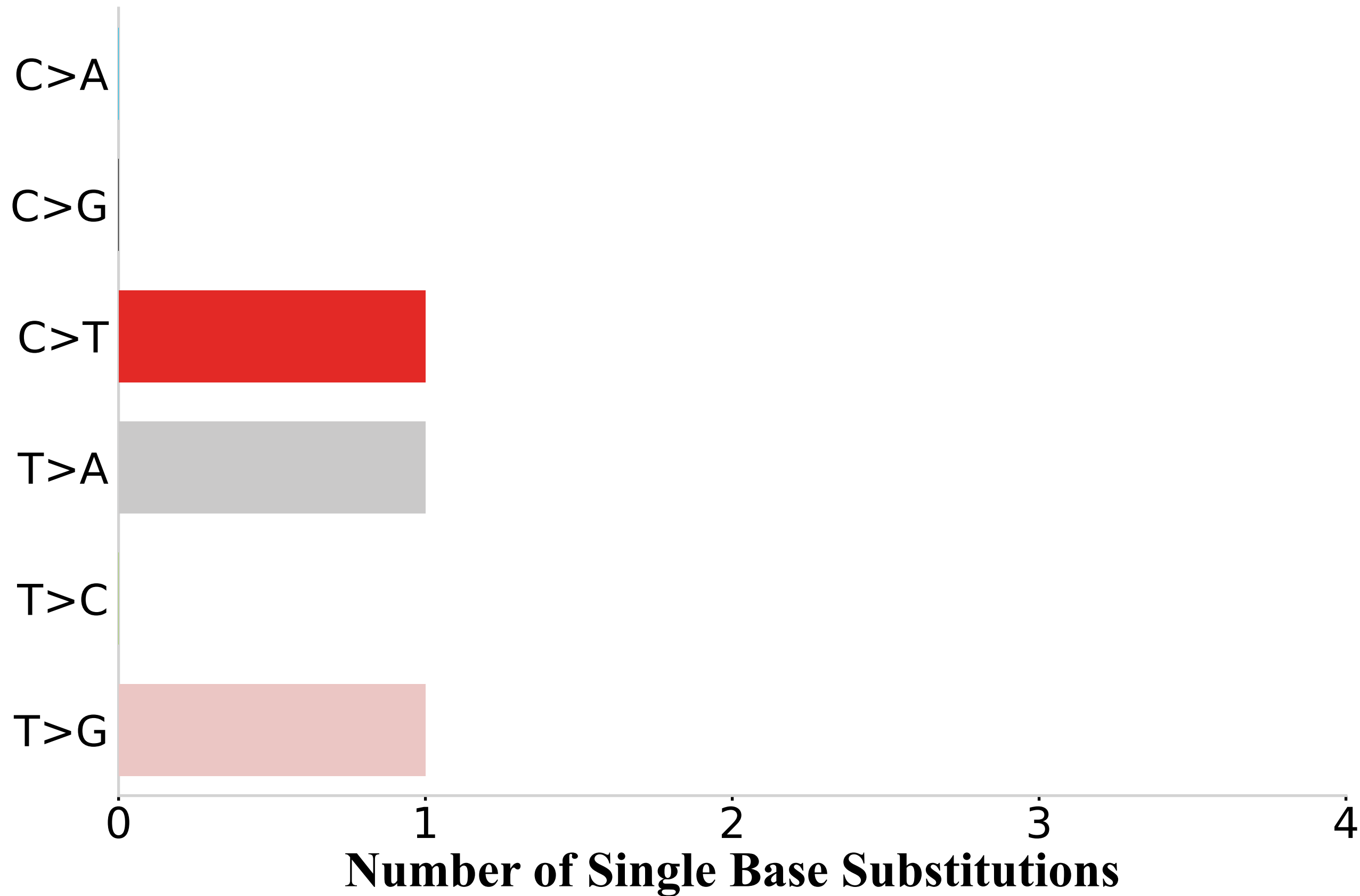
P-0010503-T01-IM5: 7 subs



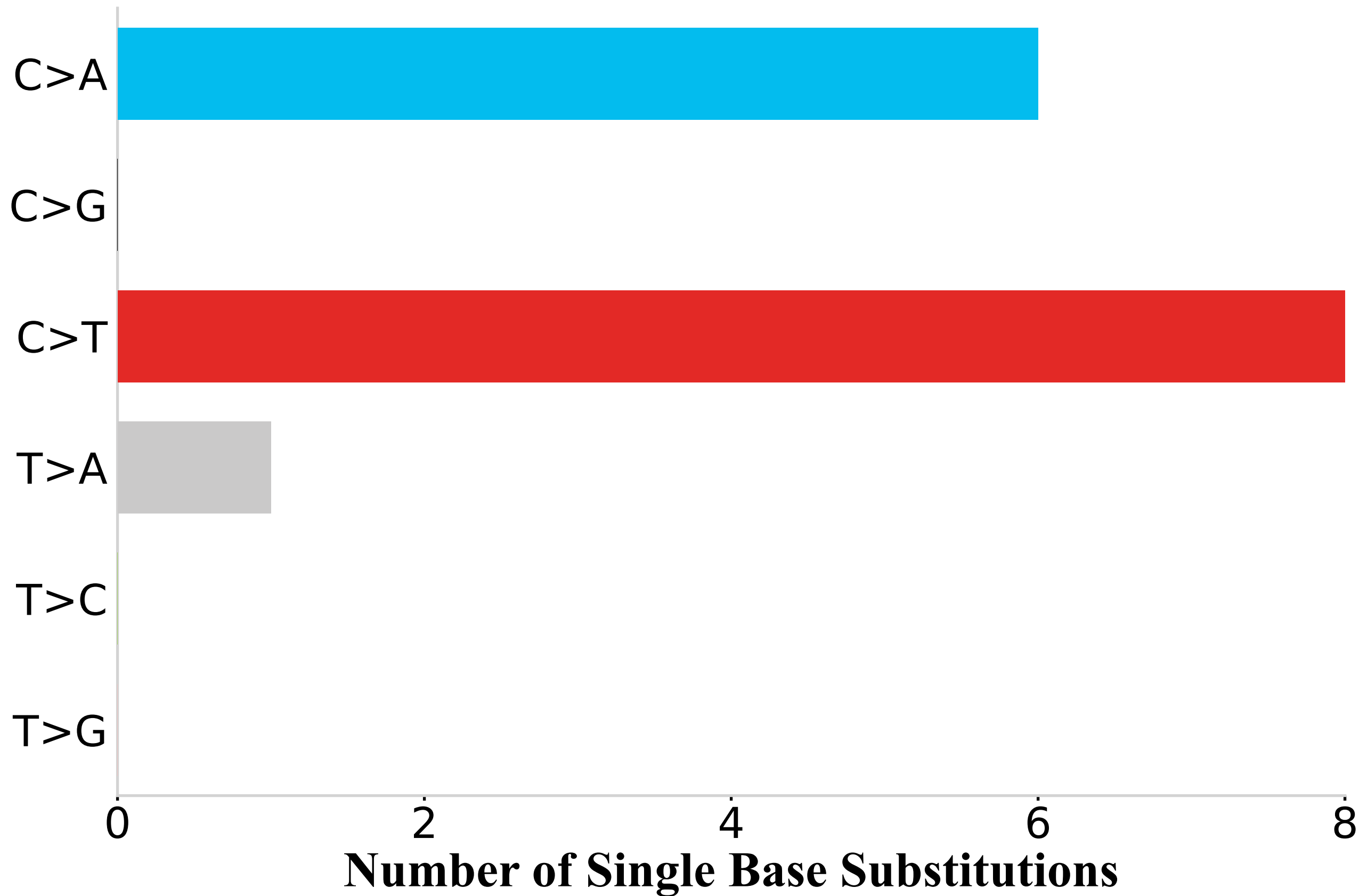
P-0010588-T01-IM5: 4 subs



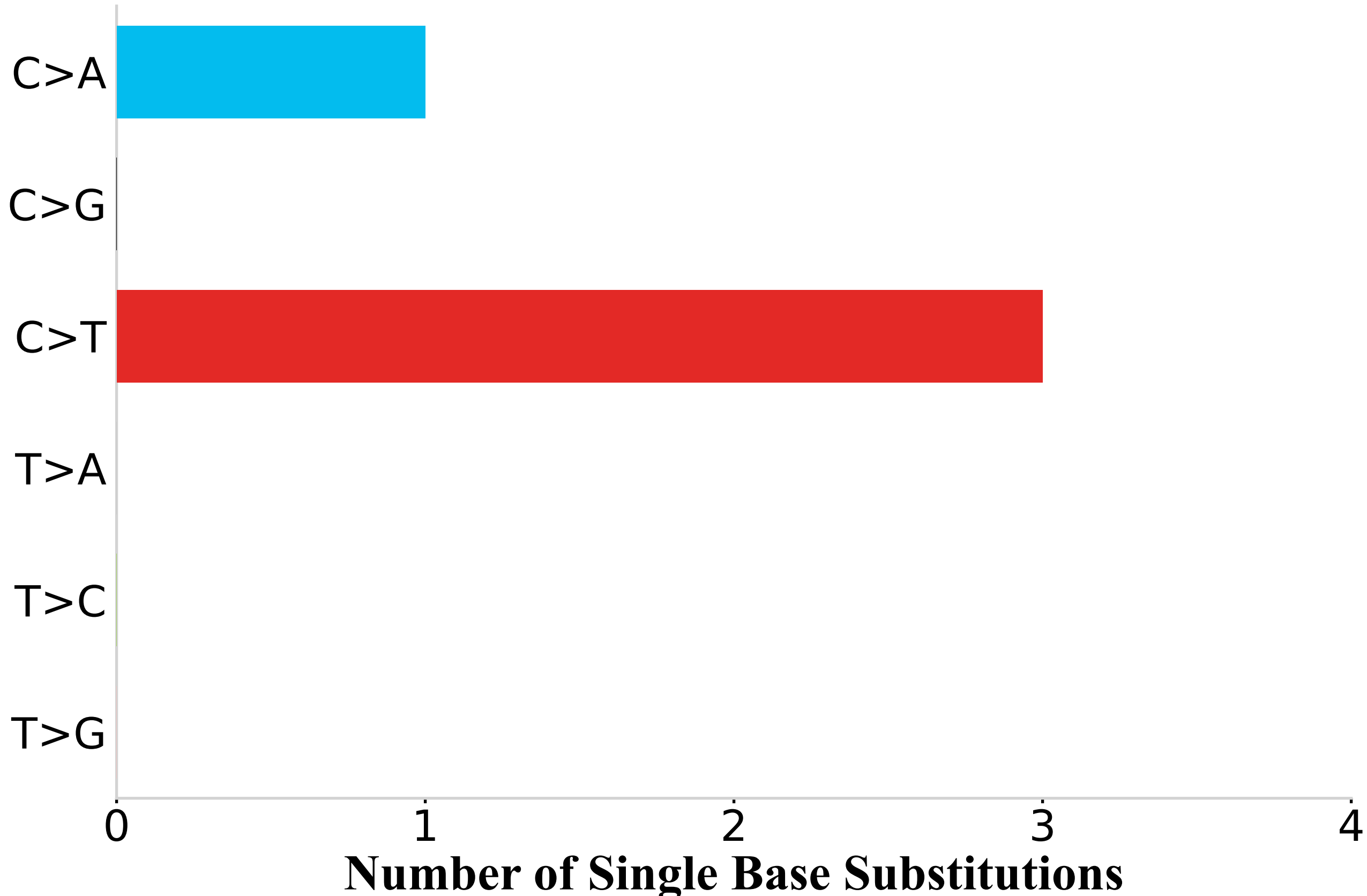
P-0010677-T01-IM5: 3 subs



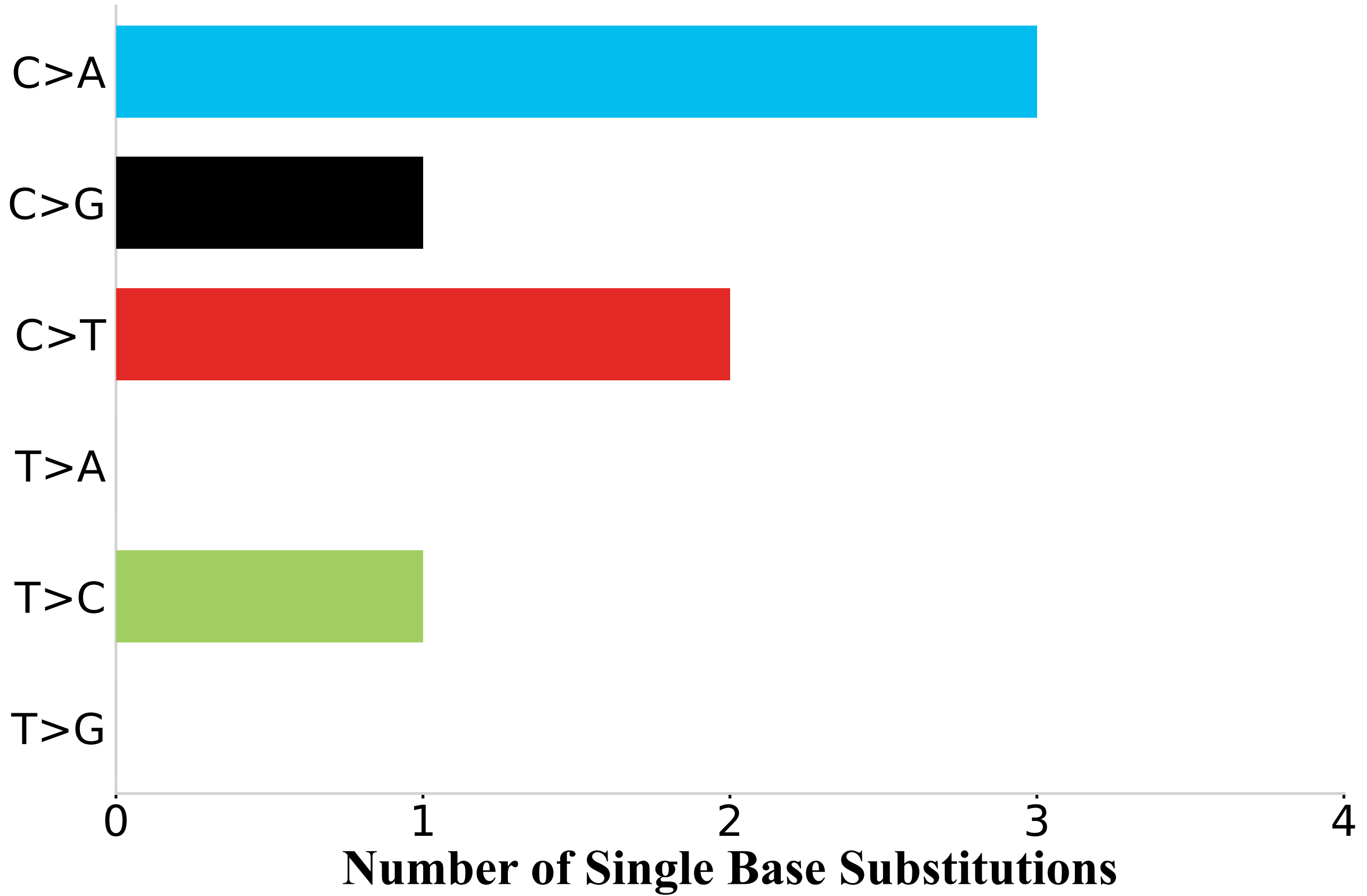
P-0010704-T01-IM5: 15 subs



P-0010707-T01-IM5: 4 subs



P-0010711-T01-IM5: 7 subs



P-0010755-T01-IM5: 2 subs

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C>G

C>T

T>A

T>C

T>G

0

1

2

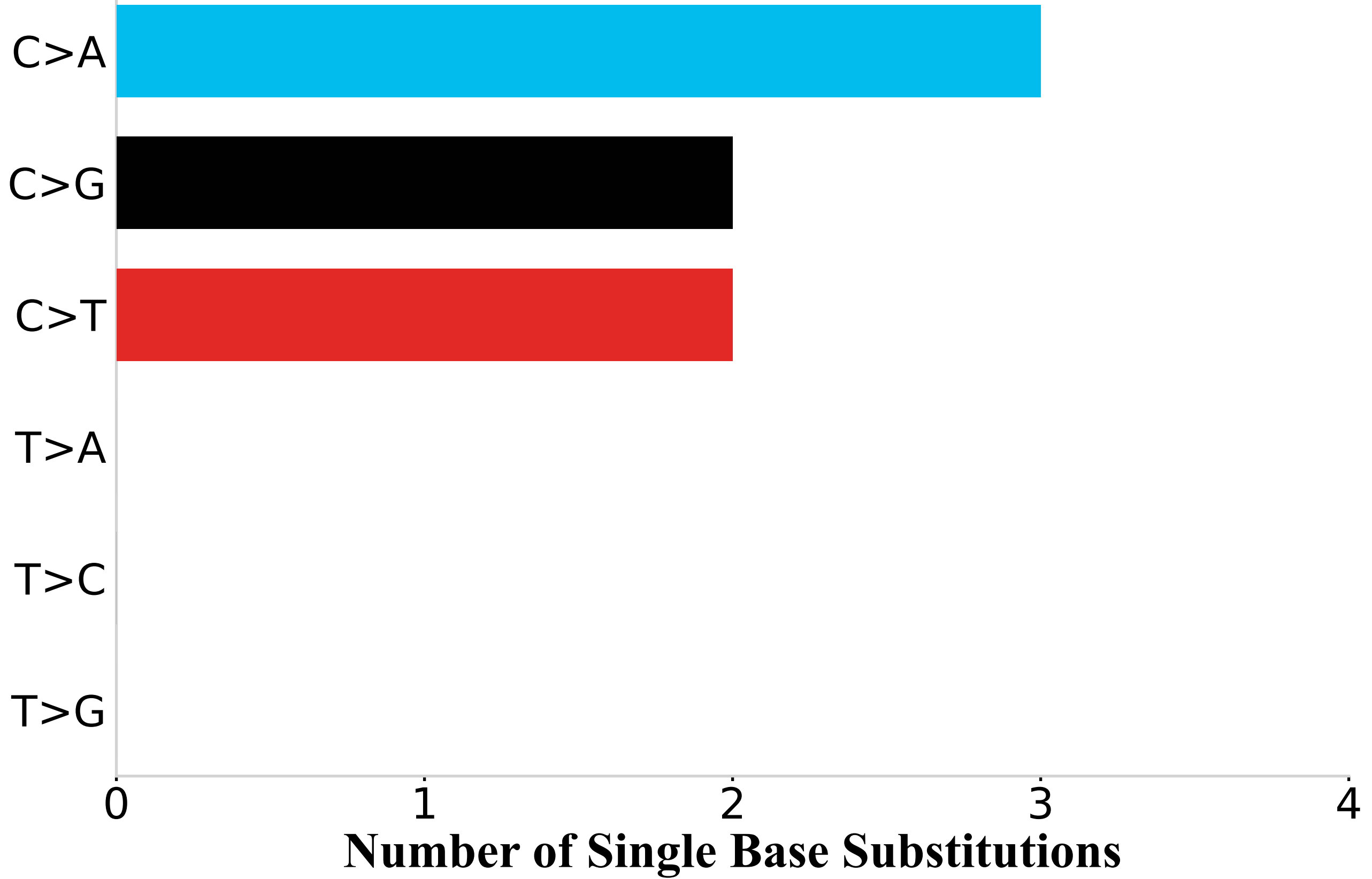
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4

Number of Single Base Substitutions



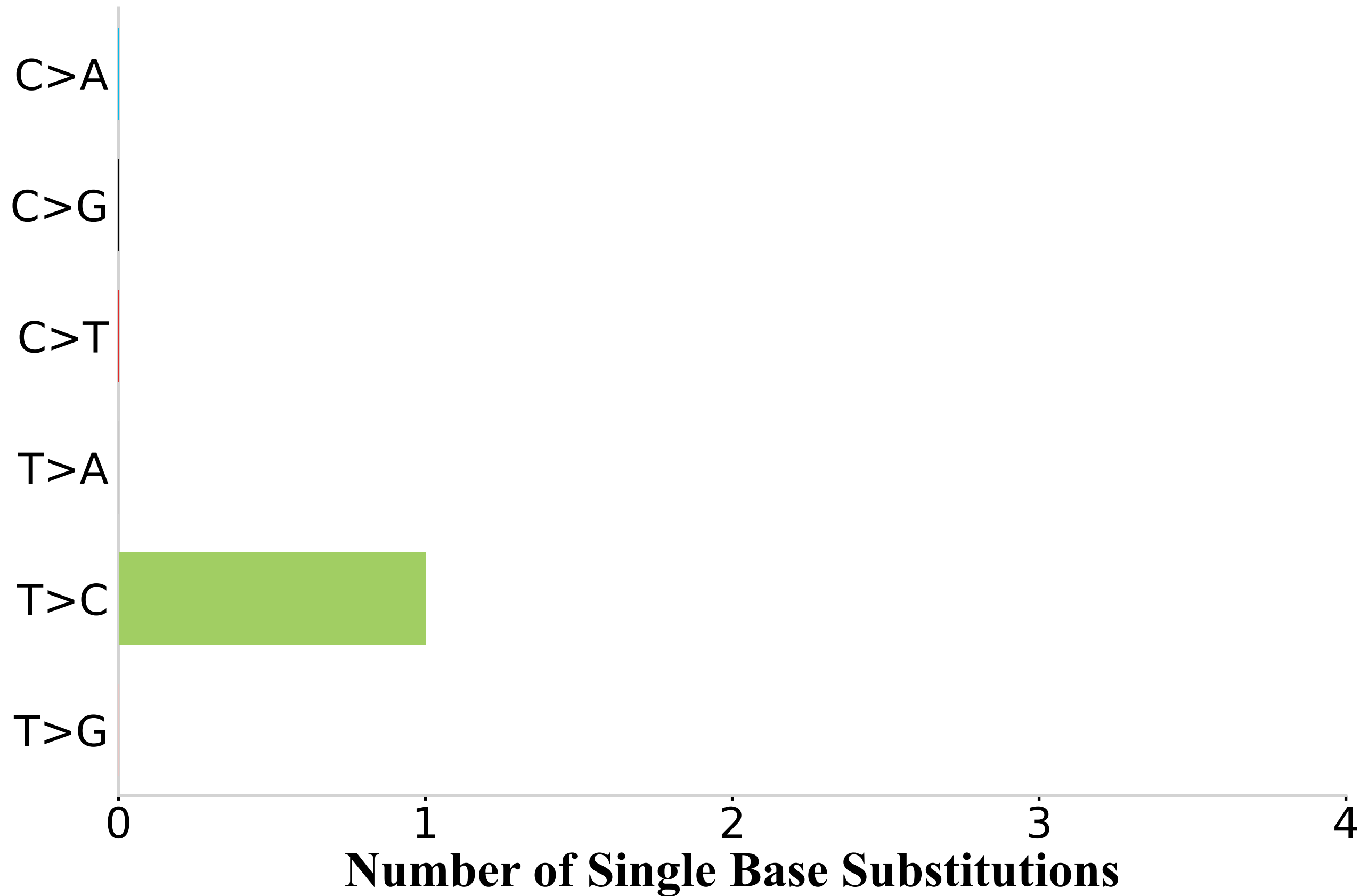
P-0010816-T01-IM5: 7 subs



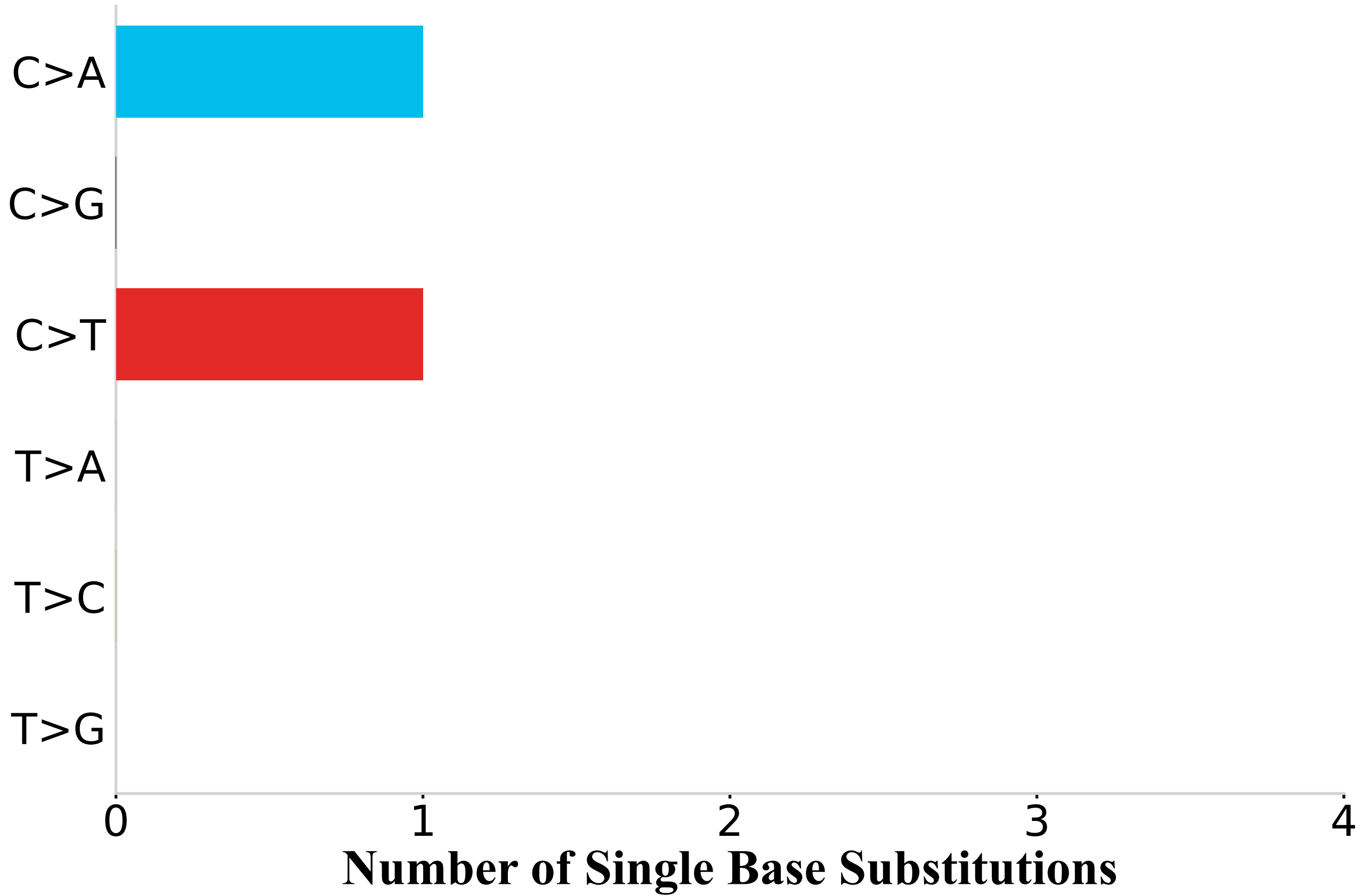
P-0010817-T01-IM5: 5 subs



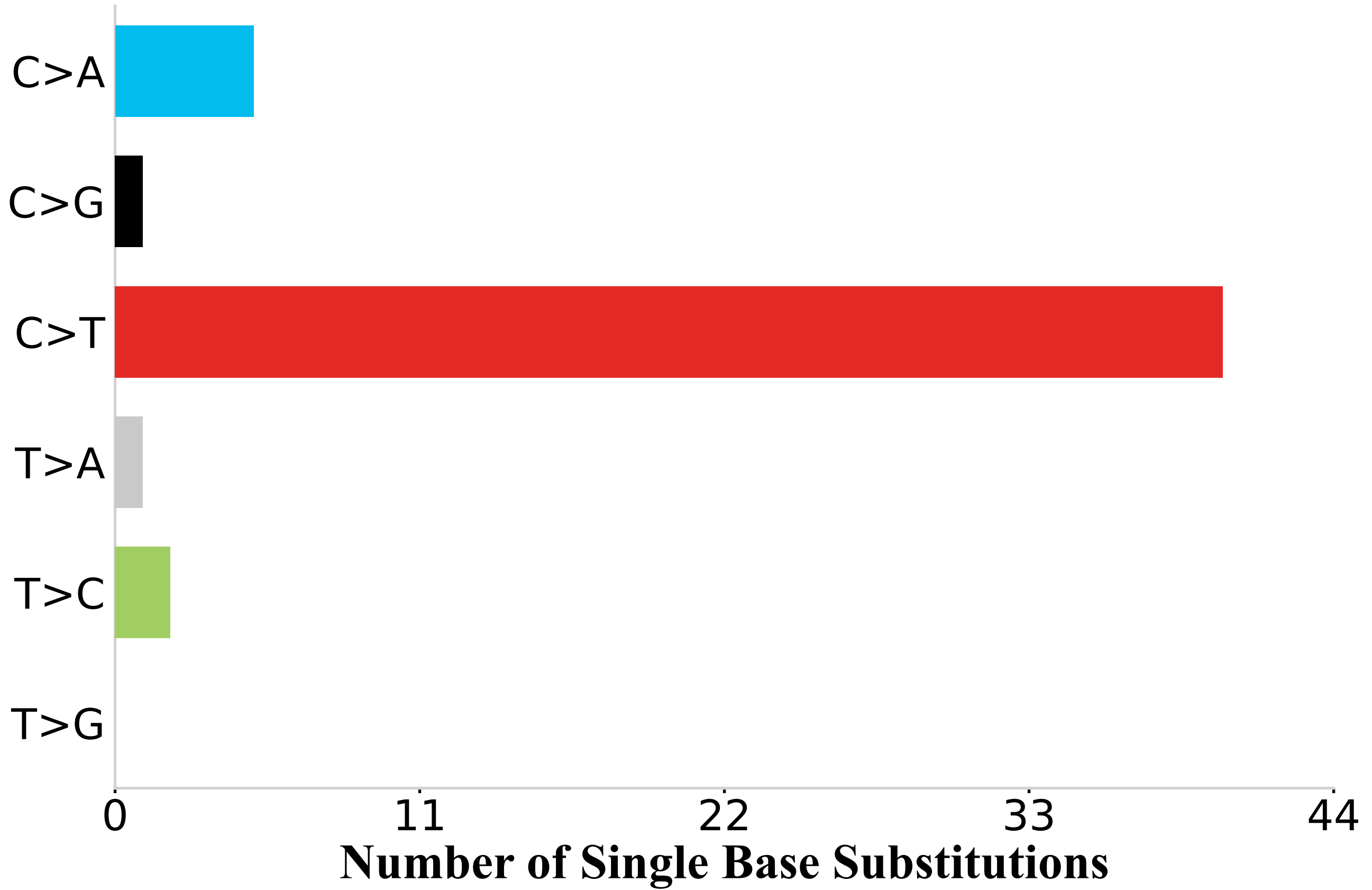
P-0010865-T01-IM5: 1 subs



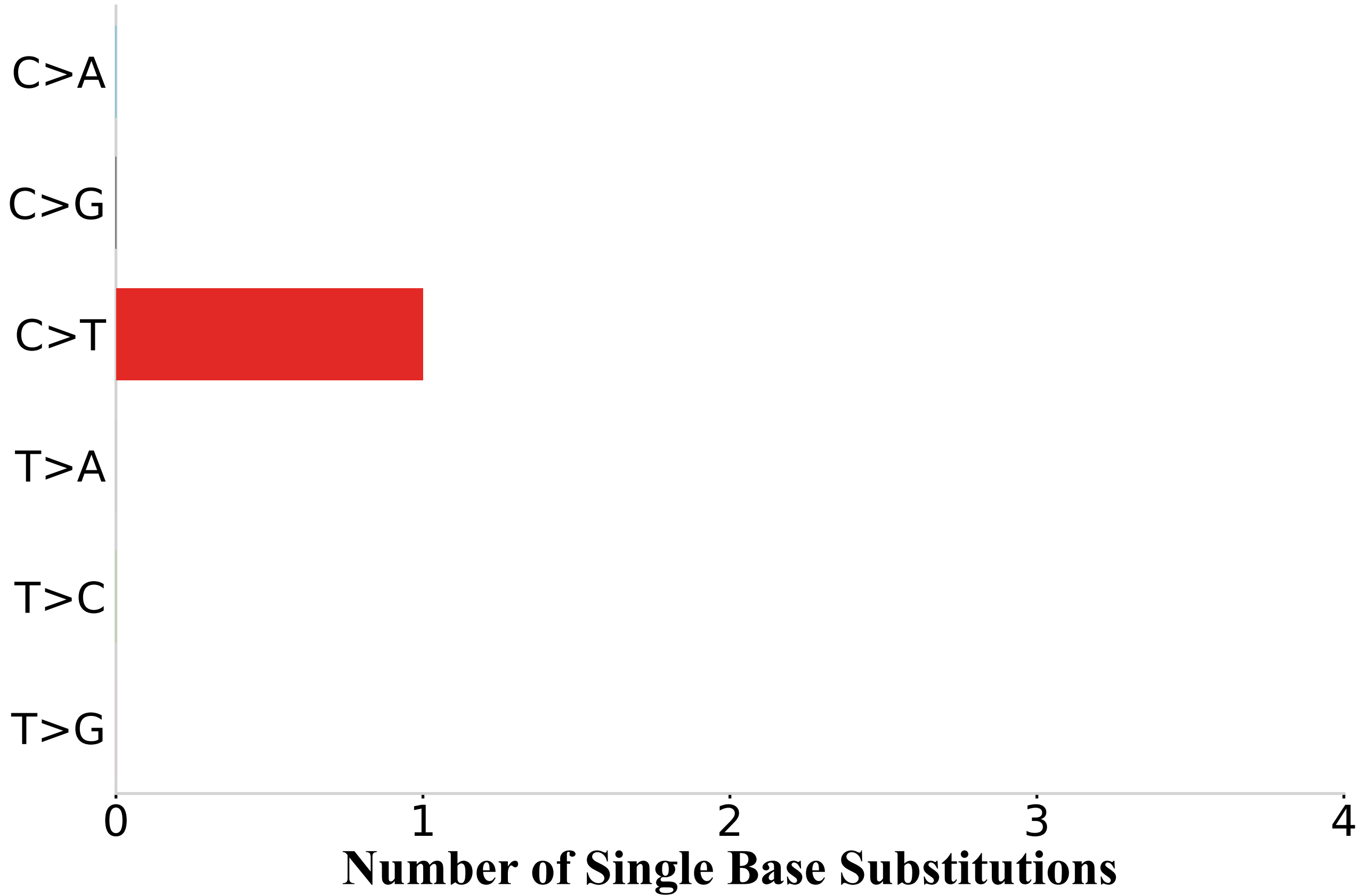
P-0011177-T01-IM5: 2 subs



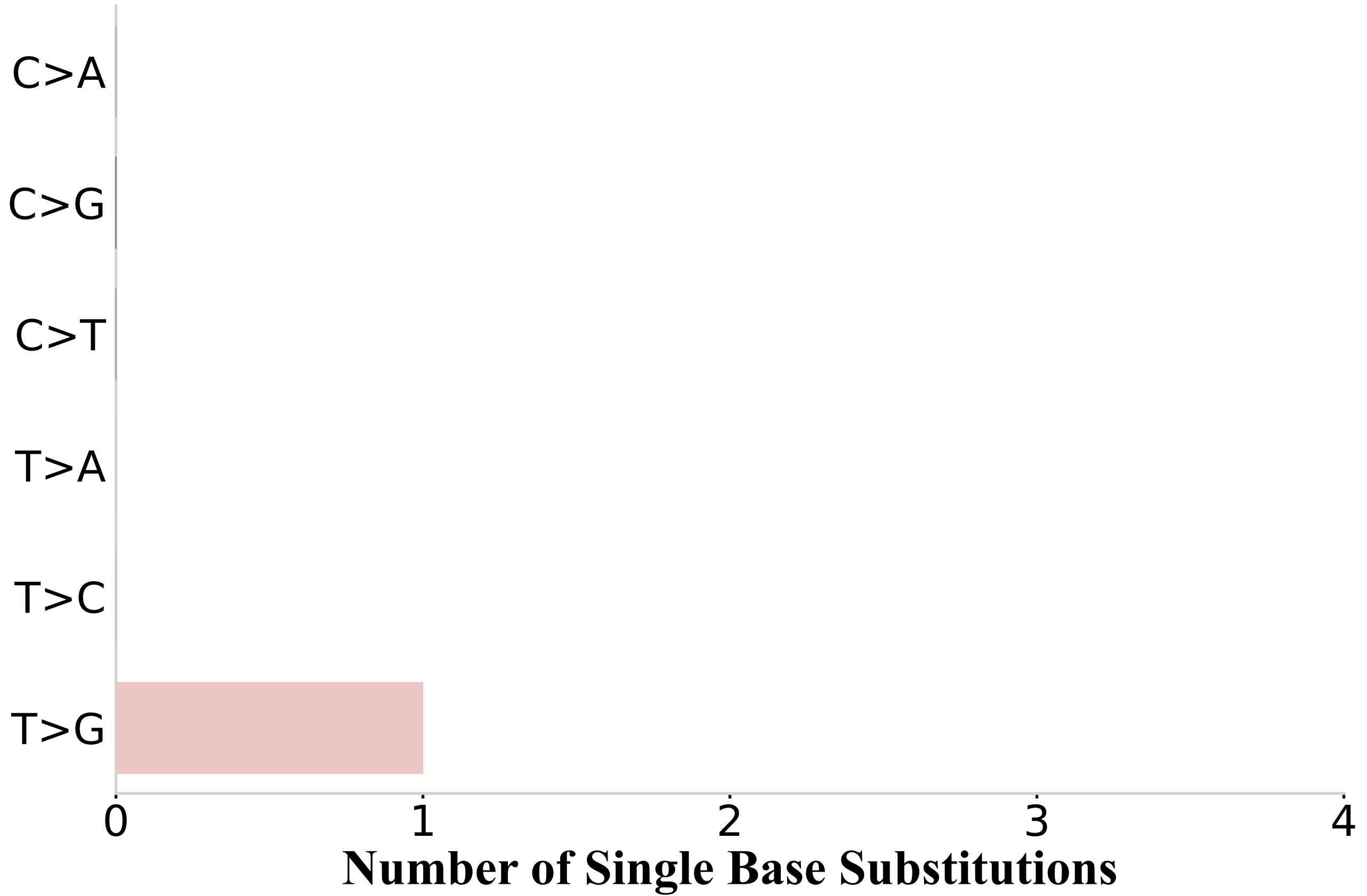
P-0011432-T01-IM5: 49 subs



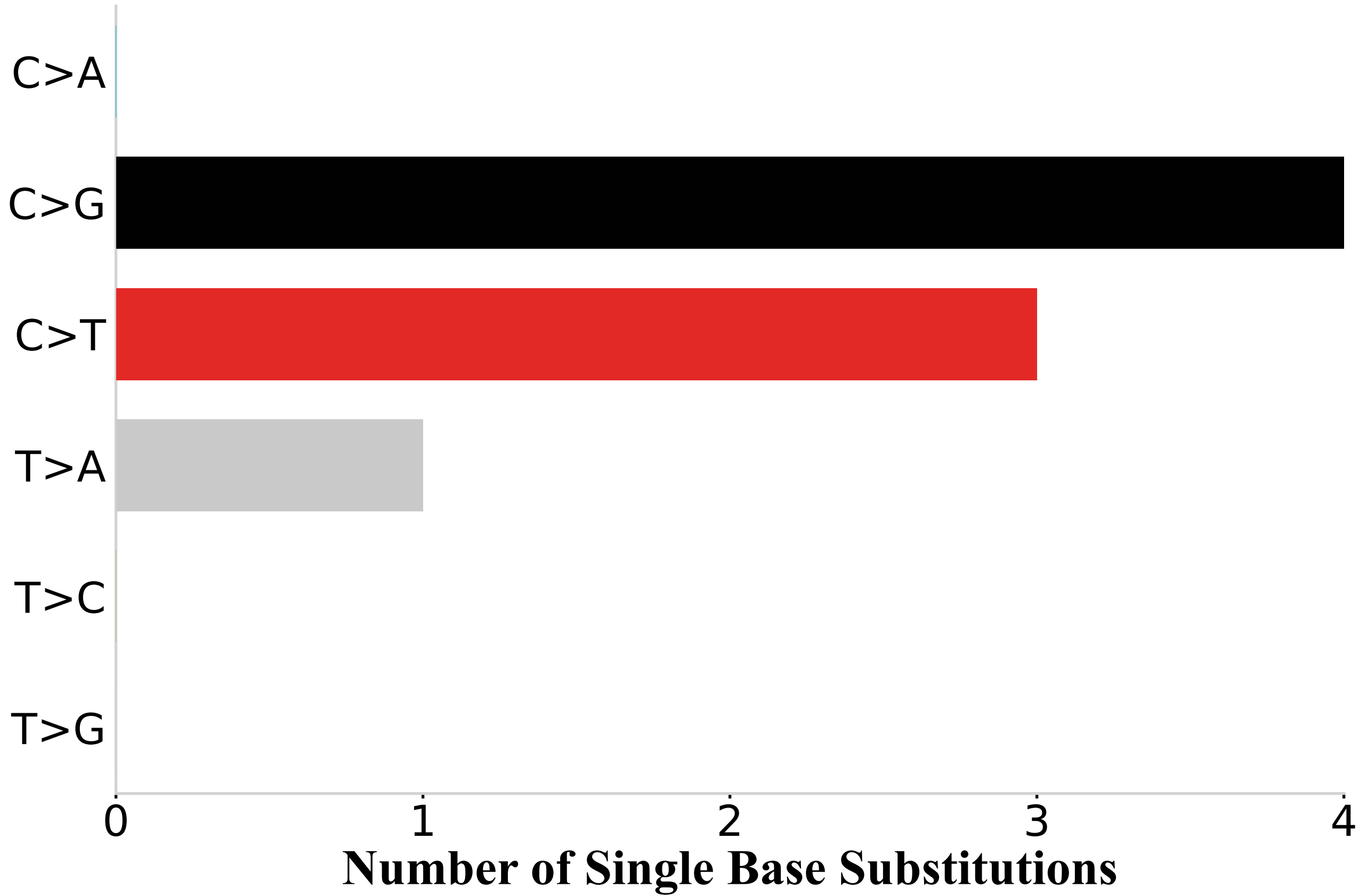
P-0011506-T01-IM5: 1 subs



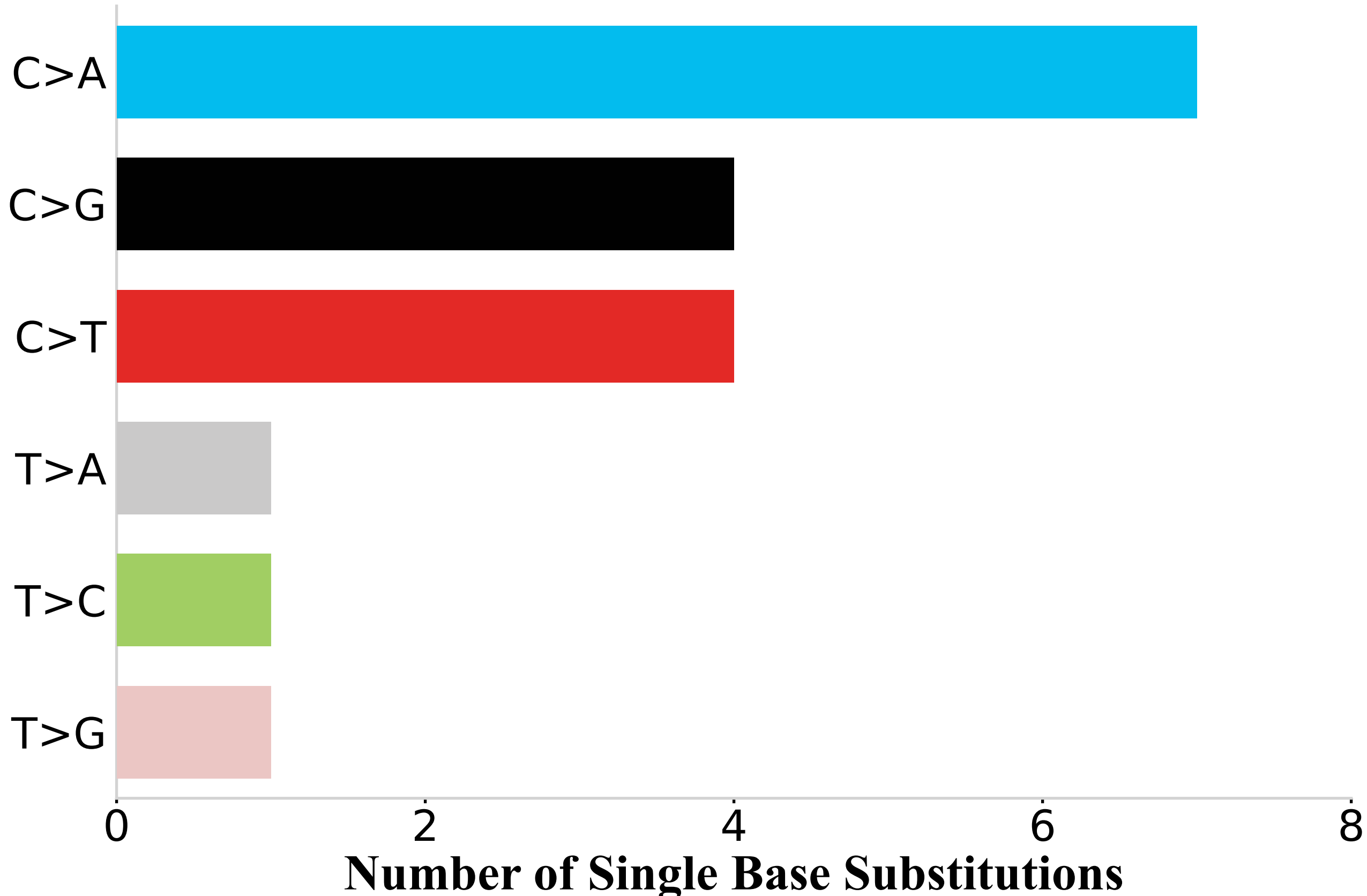
P-0011519-T01-IM5: 1 subs



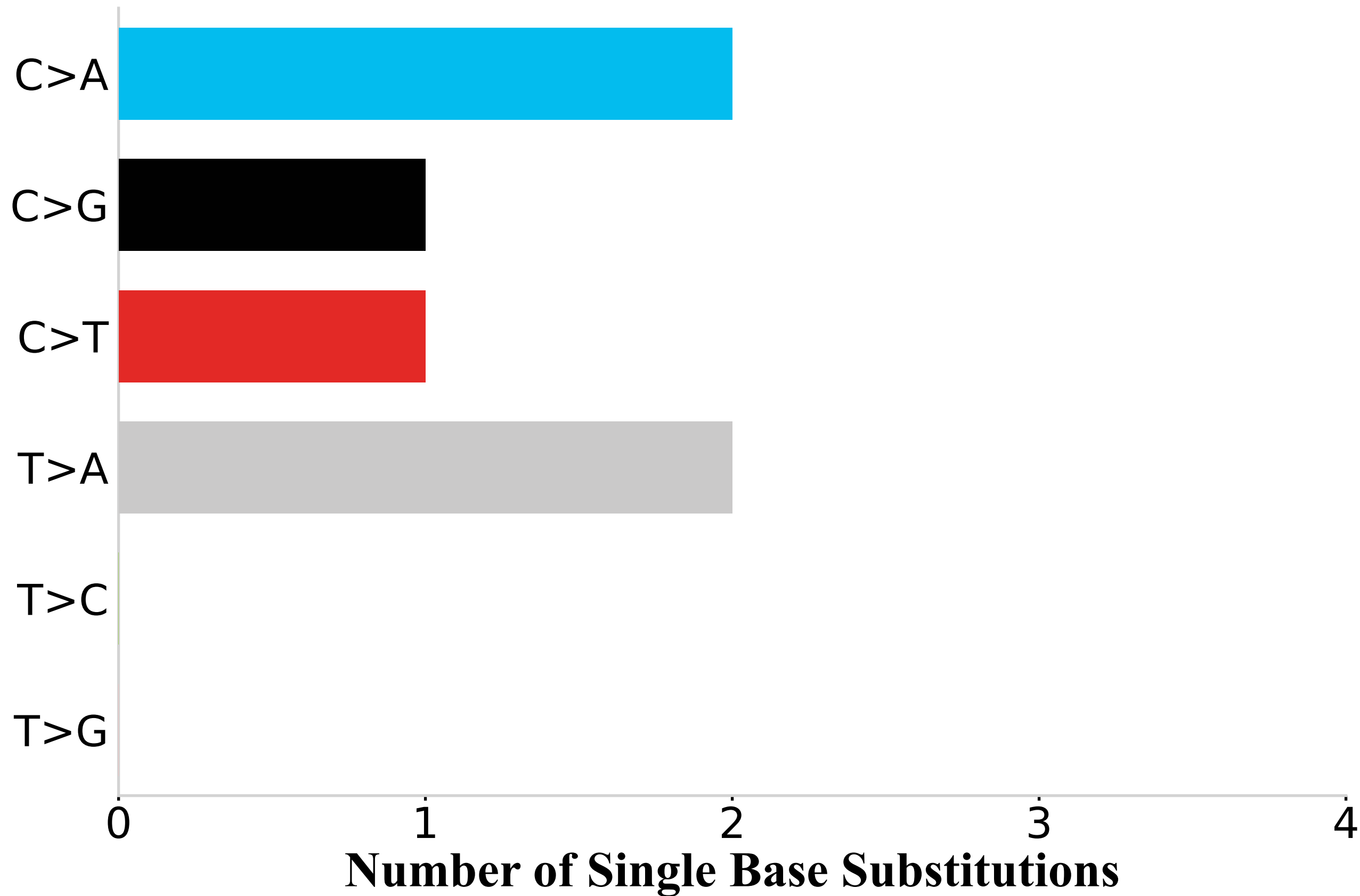
P-0011561-T01-IM5: 8 subs



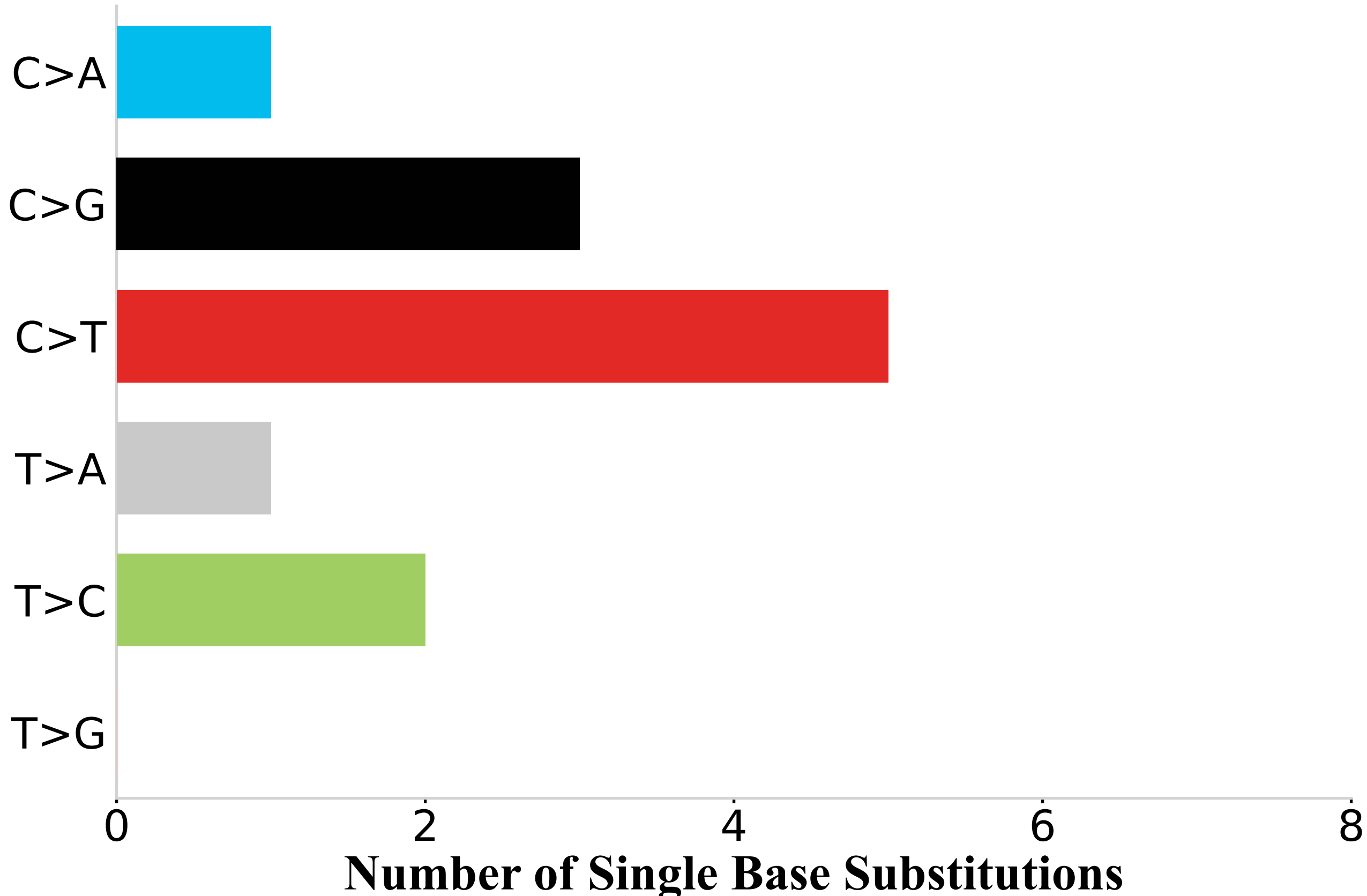
P-0012071-T01-IM5: 18 subs



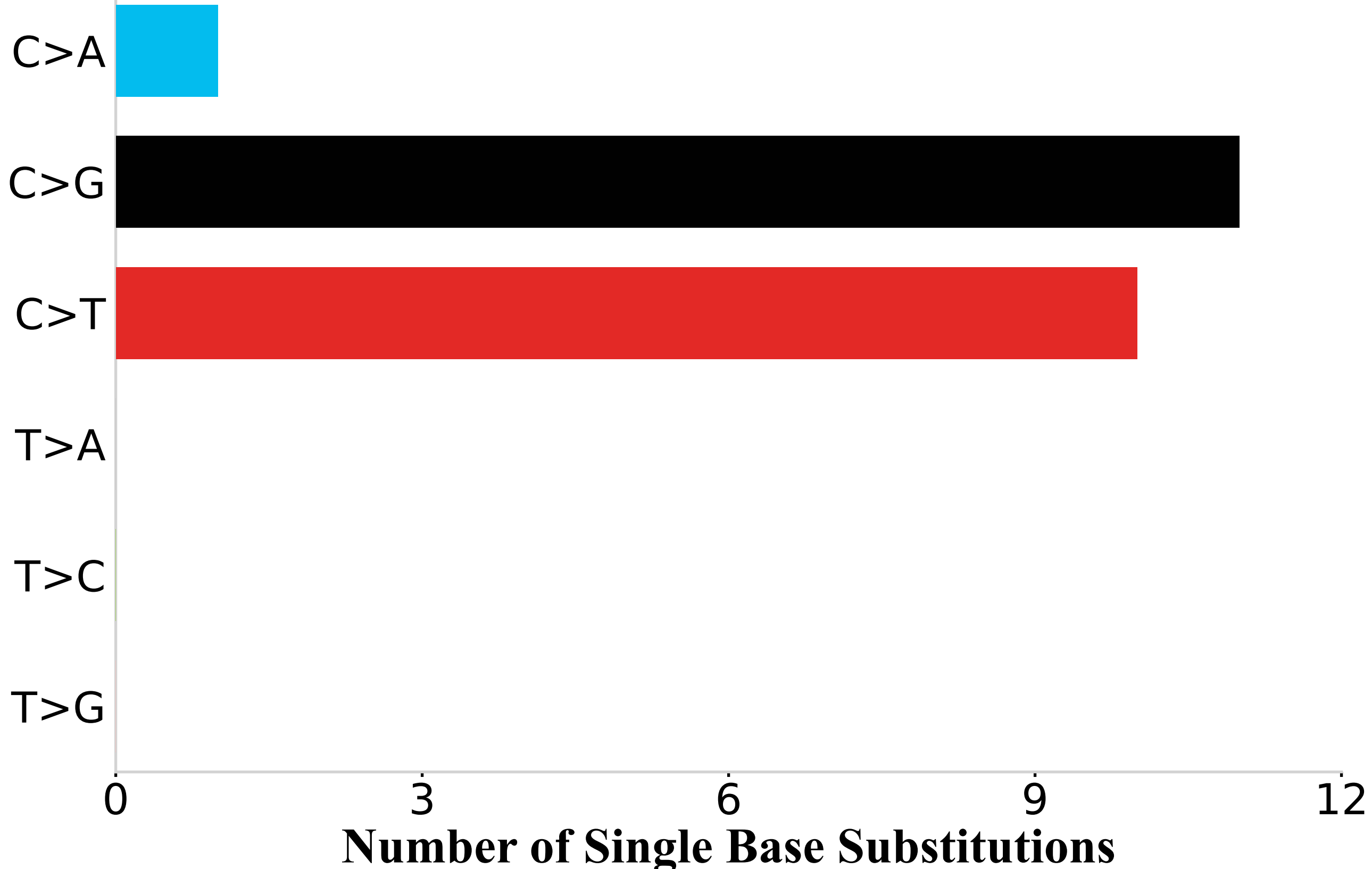
P-0012093-T01-IM5: 6 subs



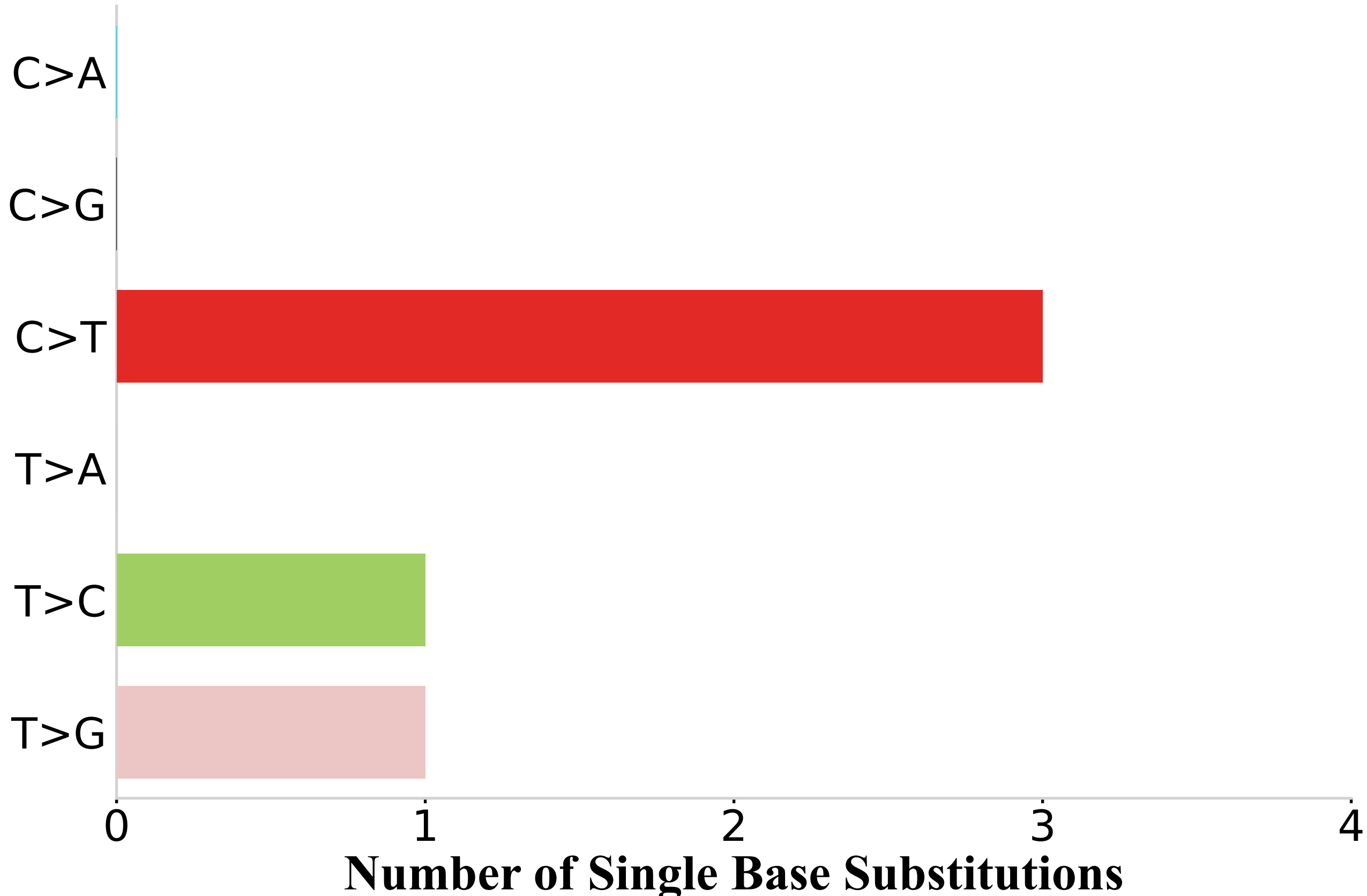
P-0012107-T01-IM5: 12 subs



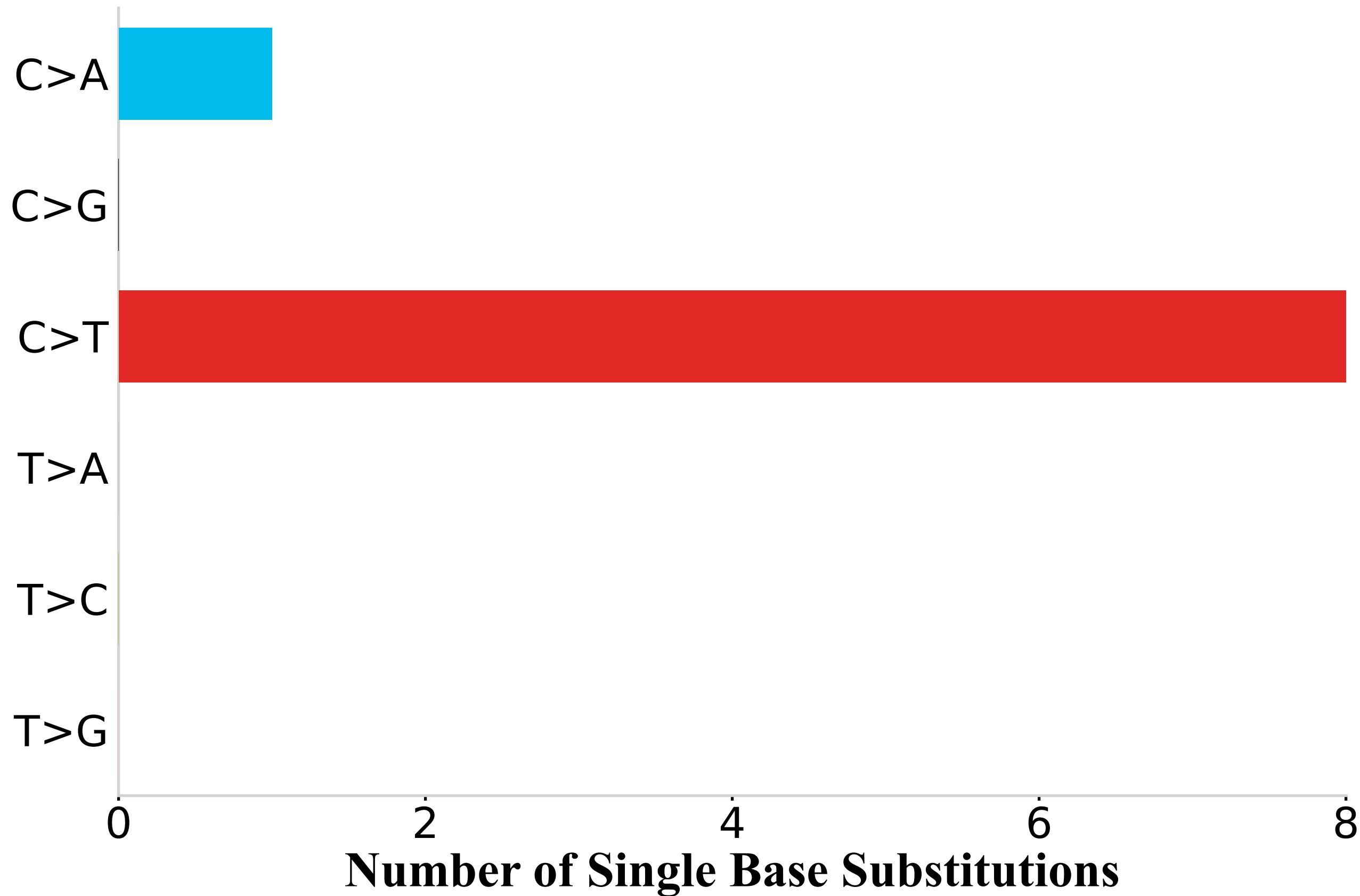
P-0012157-T01-IM5: 22 subs



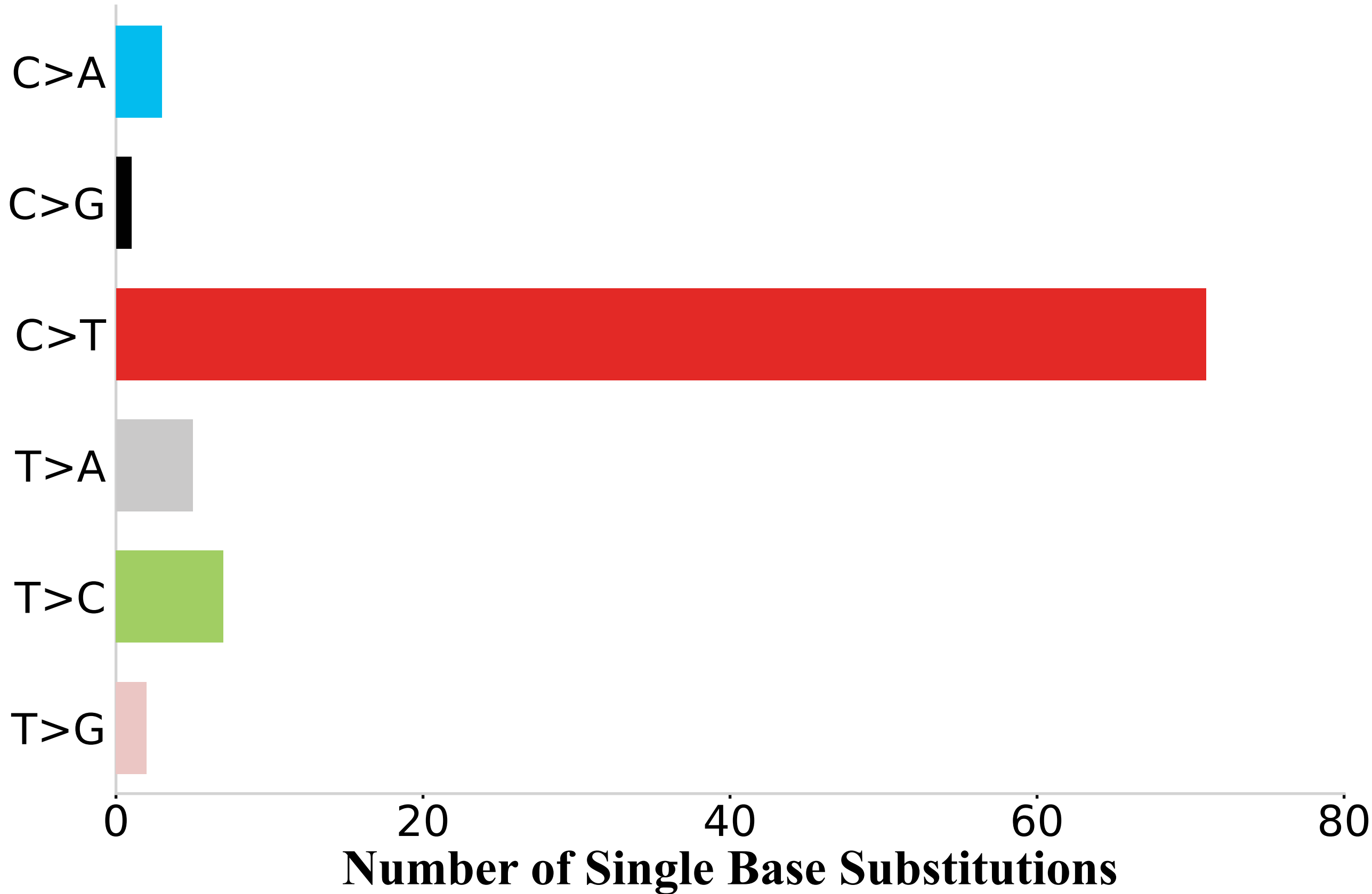
P-0012189-T01-IM5: 5 subs



P-0012247-T01-IM5: 9 subs



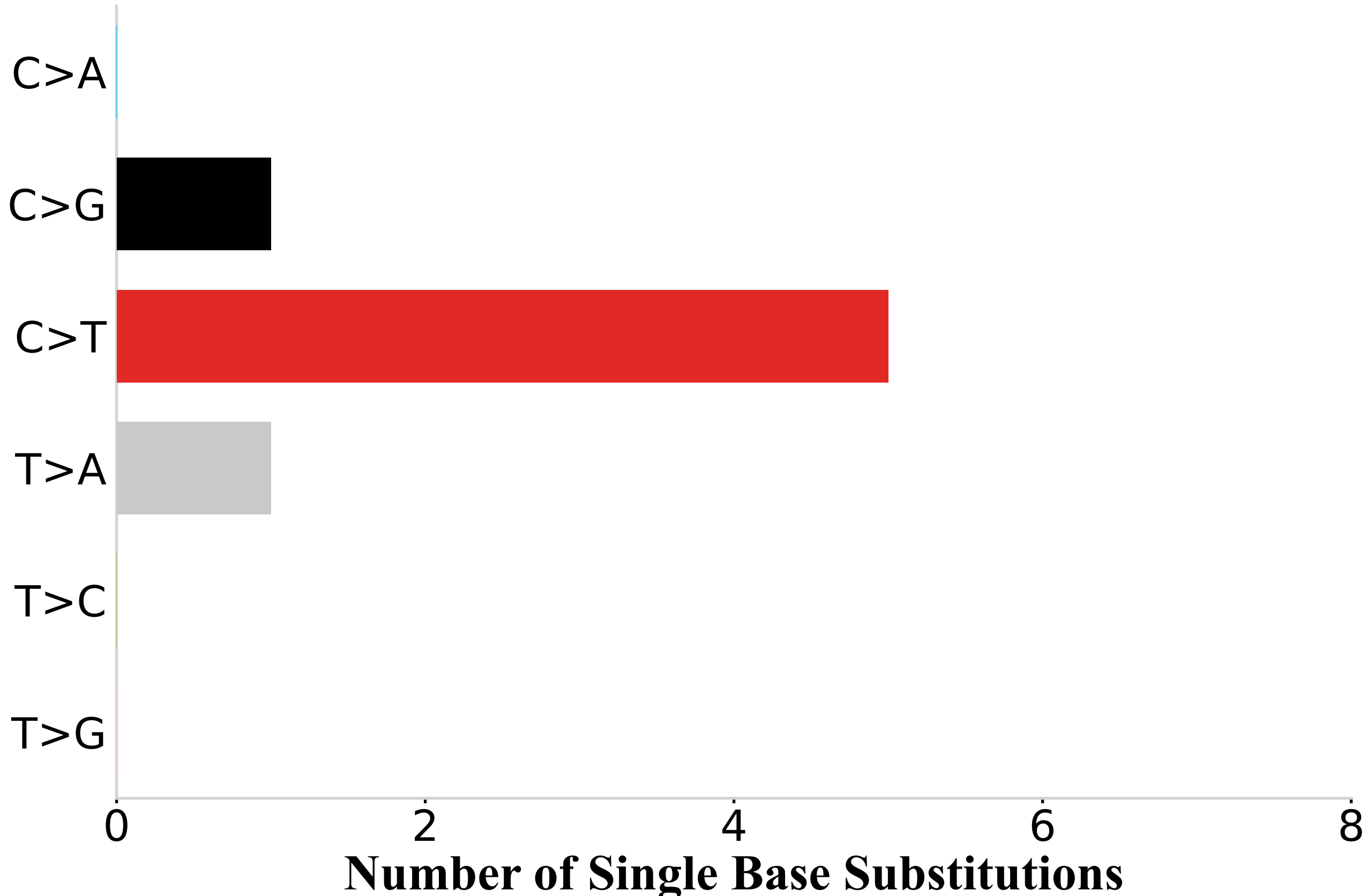
P-0012262-T01-IM5: 89 subs



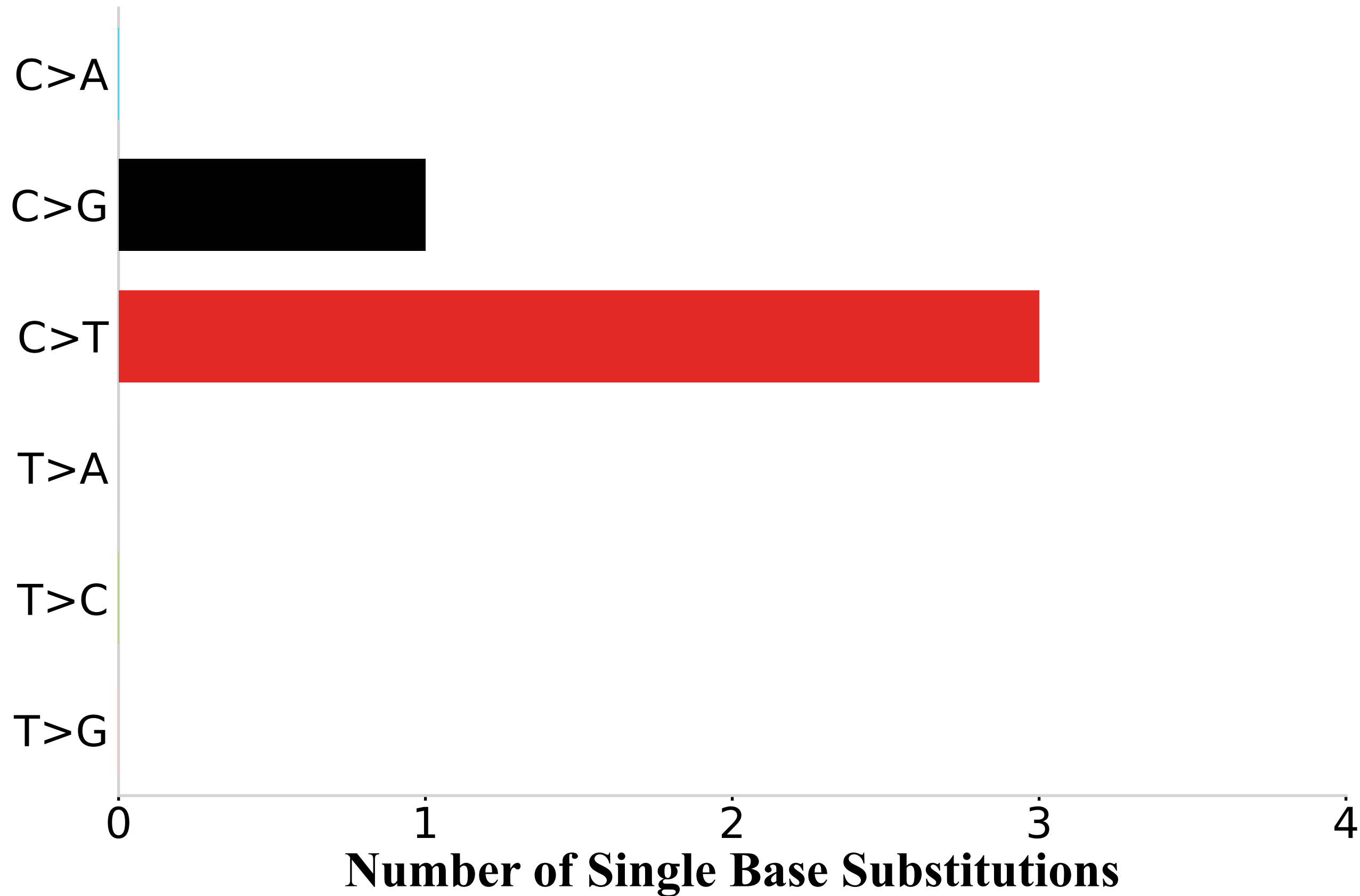
P-0012370-T01-IM5: 1 subs



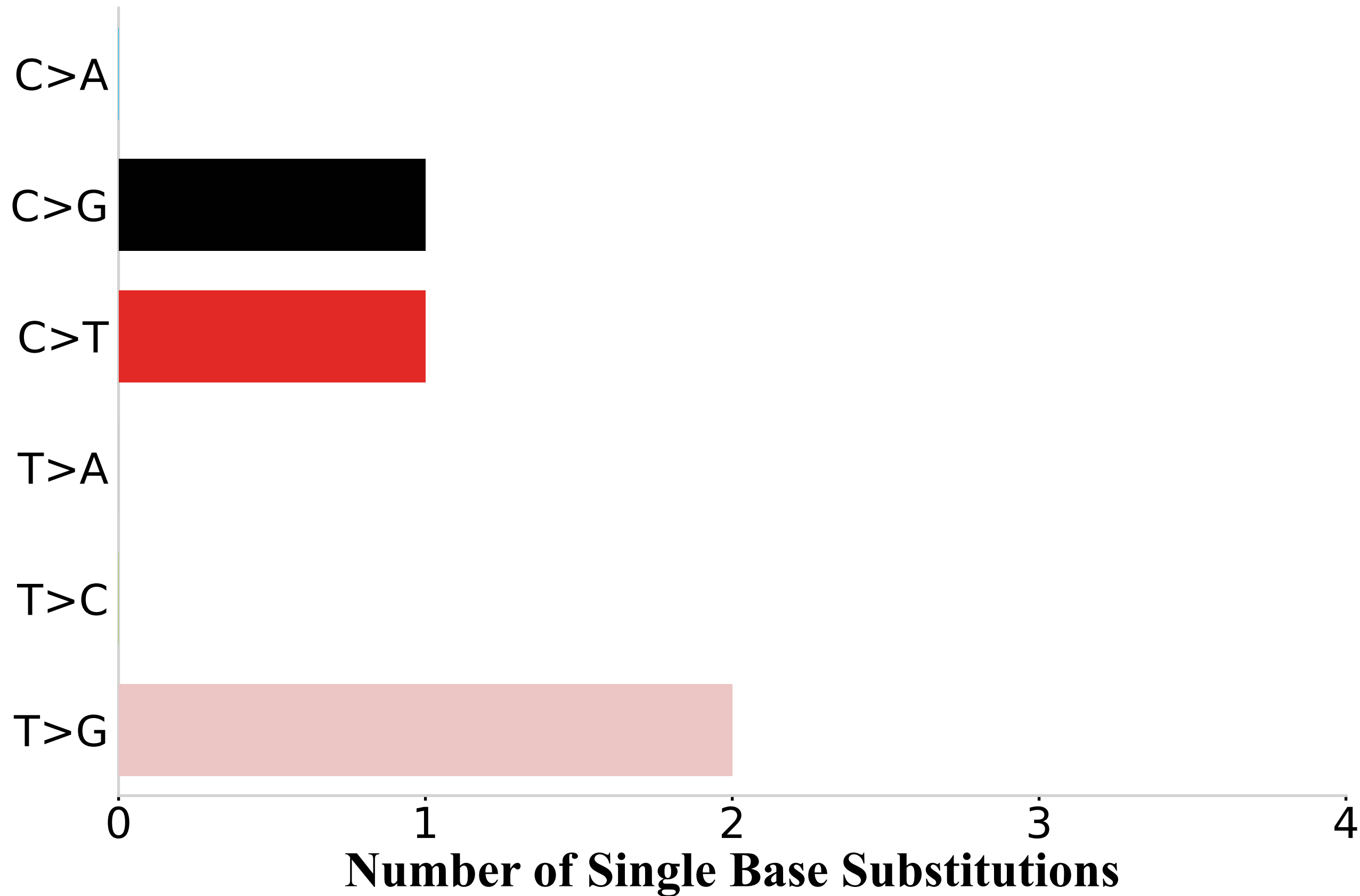
P-0012517-T01-IM5: 7 subs



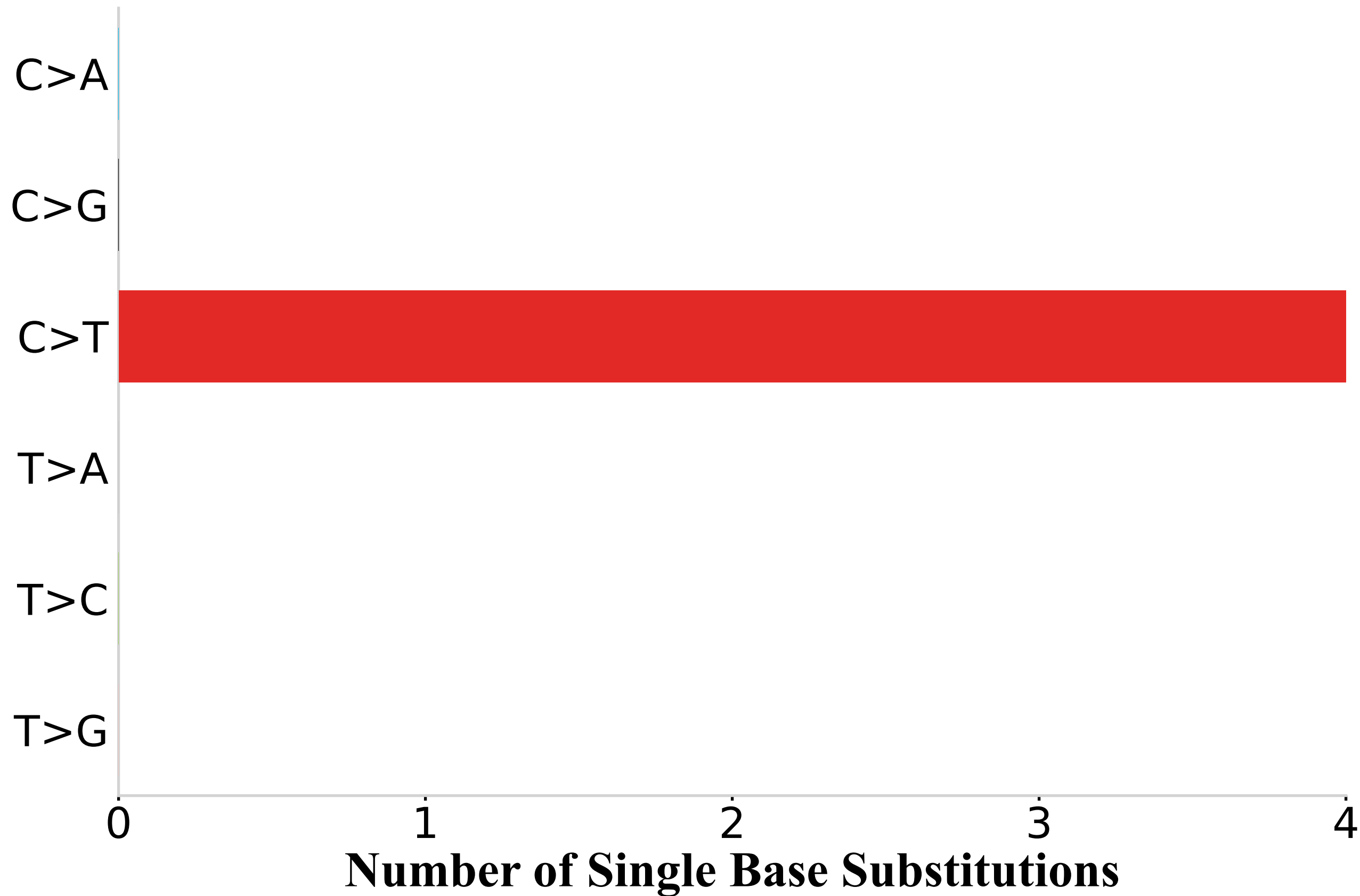
P-0012578-T01-IM5: 4 subs



P-0012712-T01-IM5: 4 subs



P-0012862-T01-IM5: 4 subs



P-0012883-T01-IM5: 16 subs

C>A

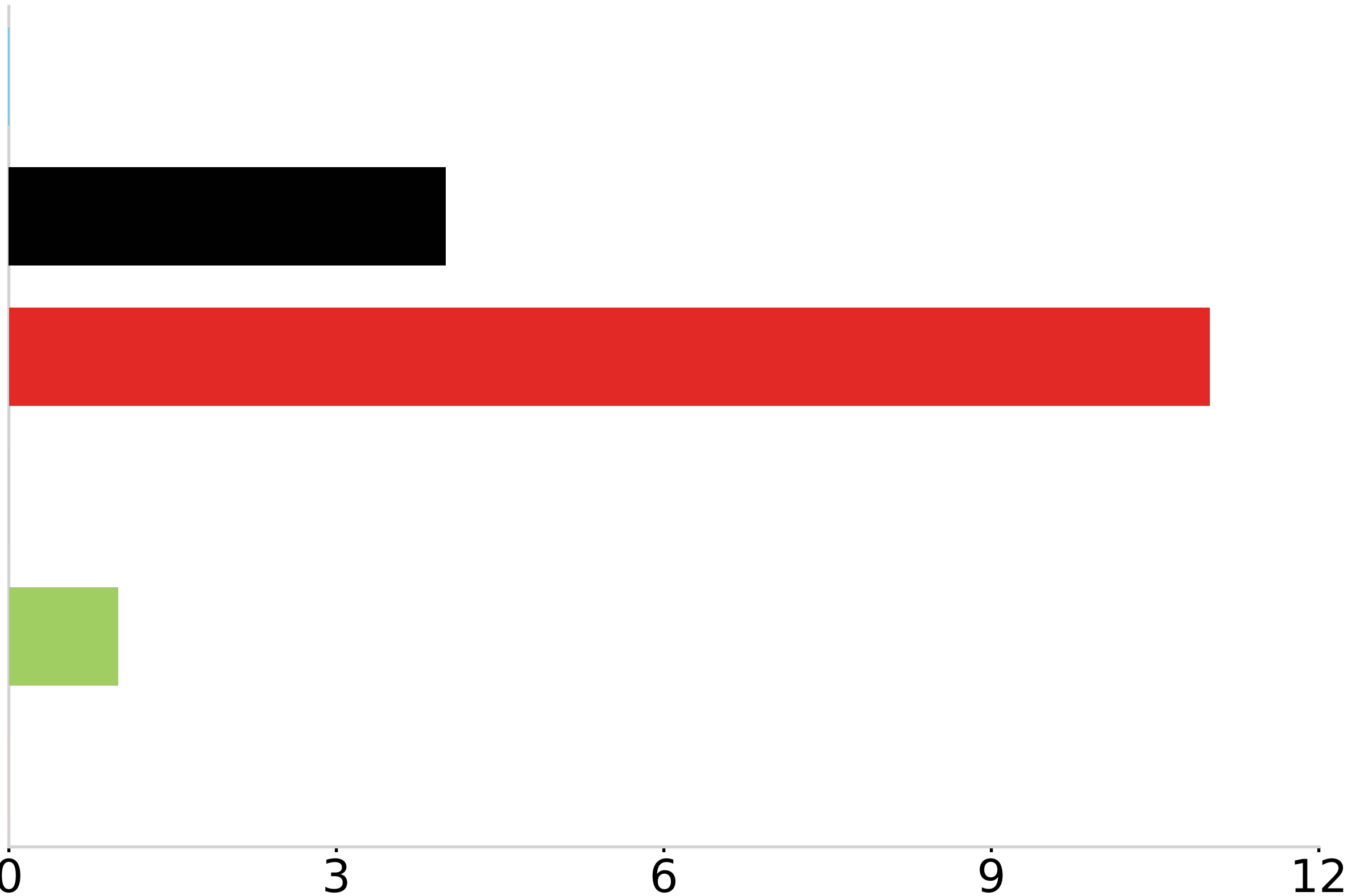
C>G

C>T

T>A

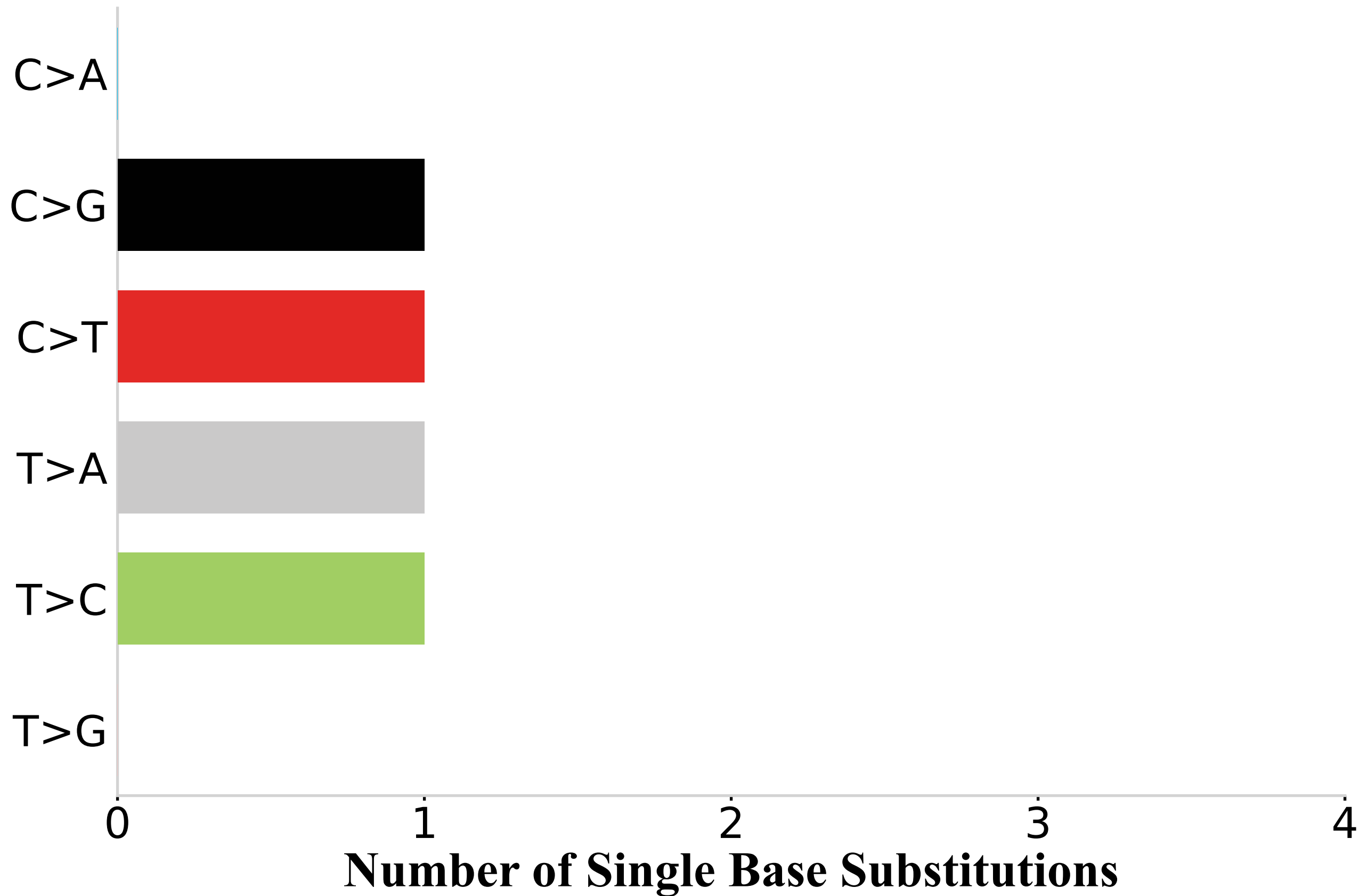
T>C

T>G

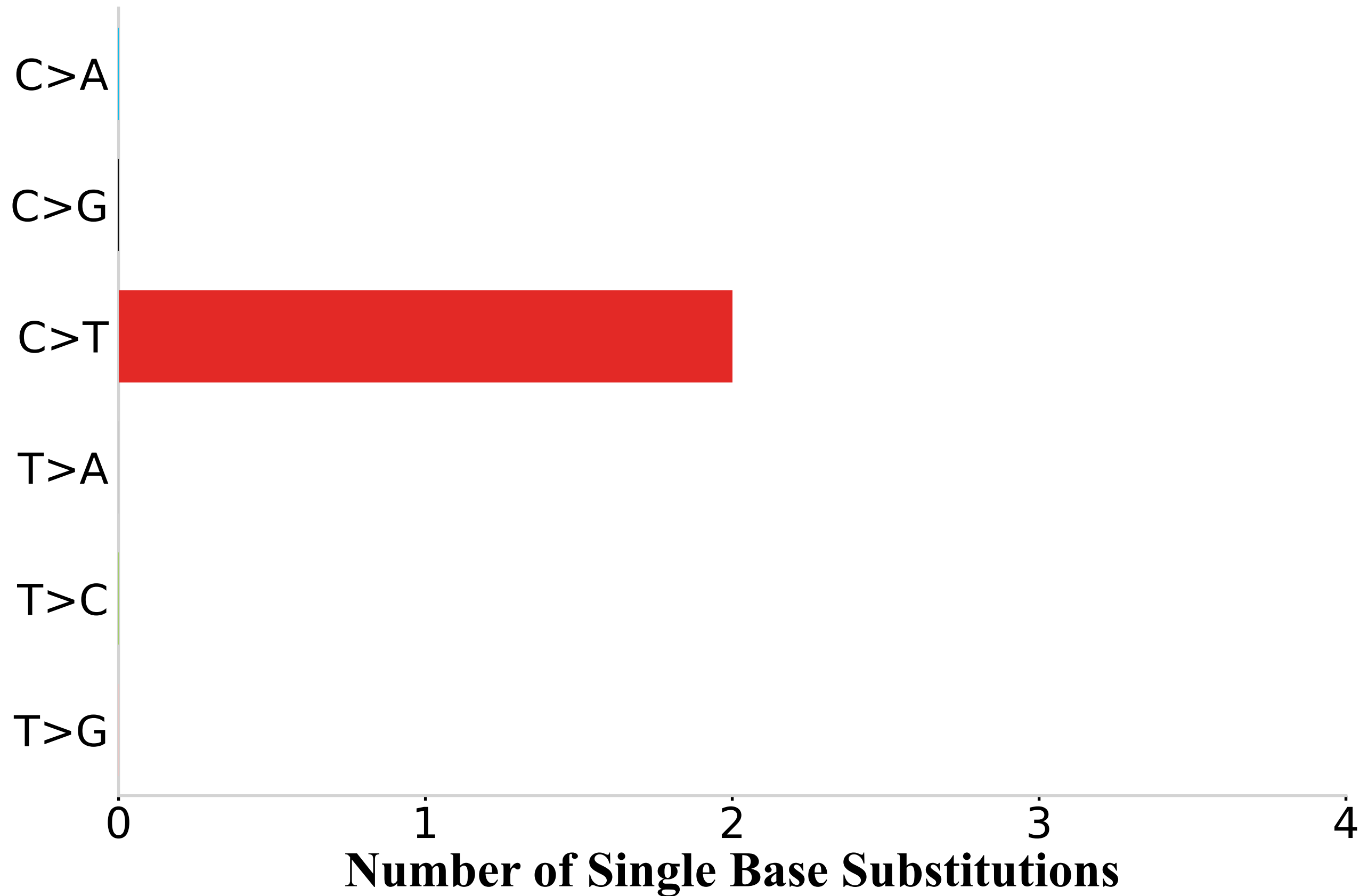


Number of Single Base Substitutions

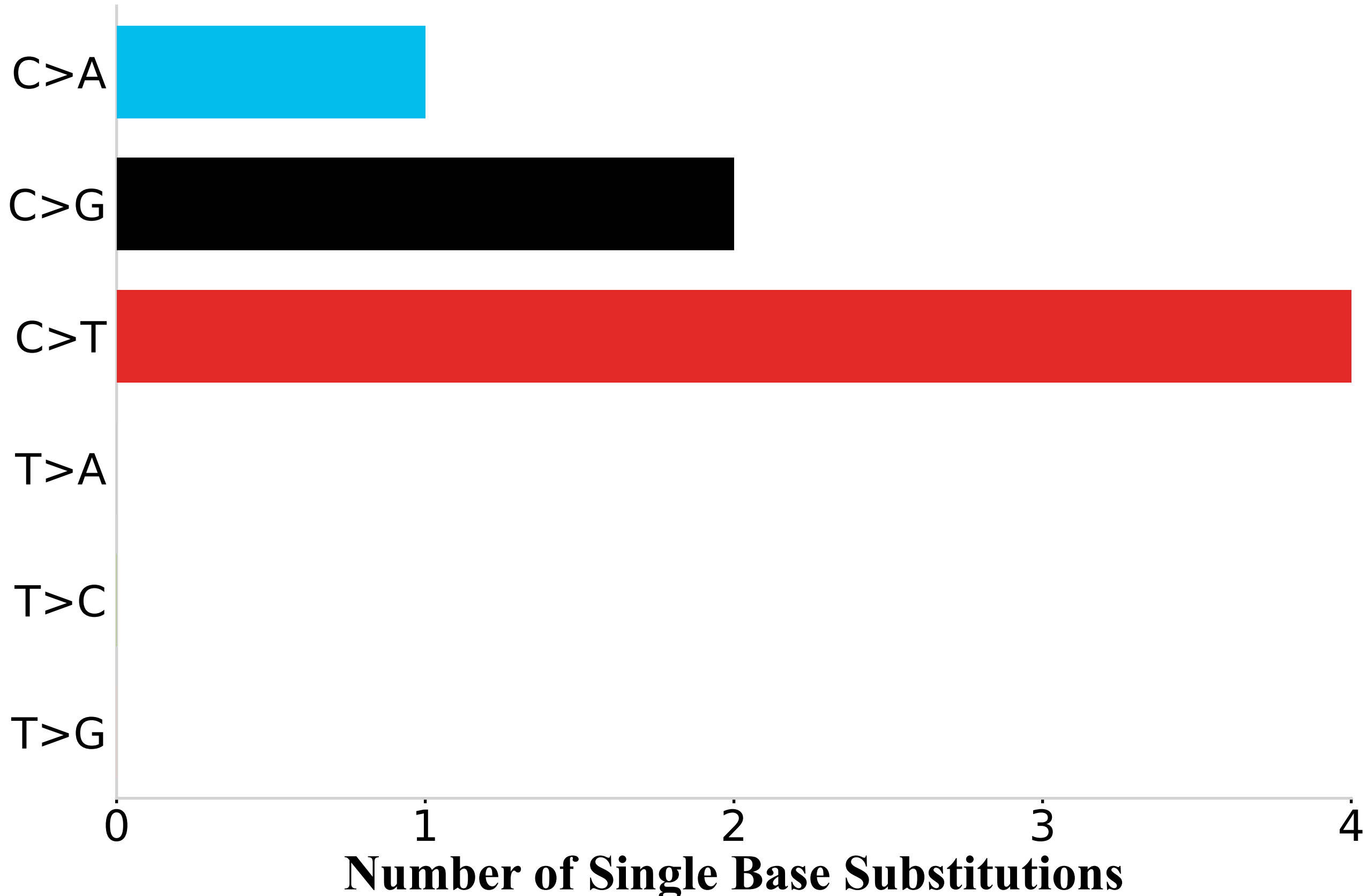
P-0013013-T01-IM5: 4 subs



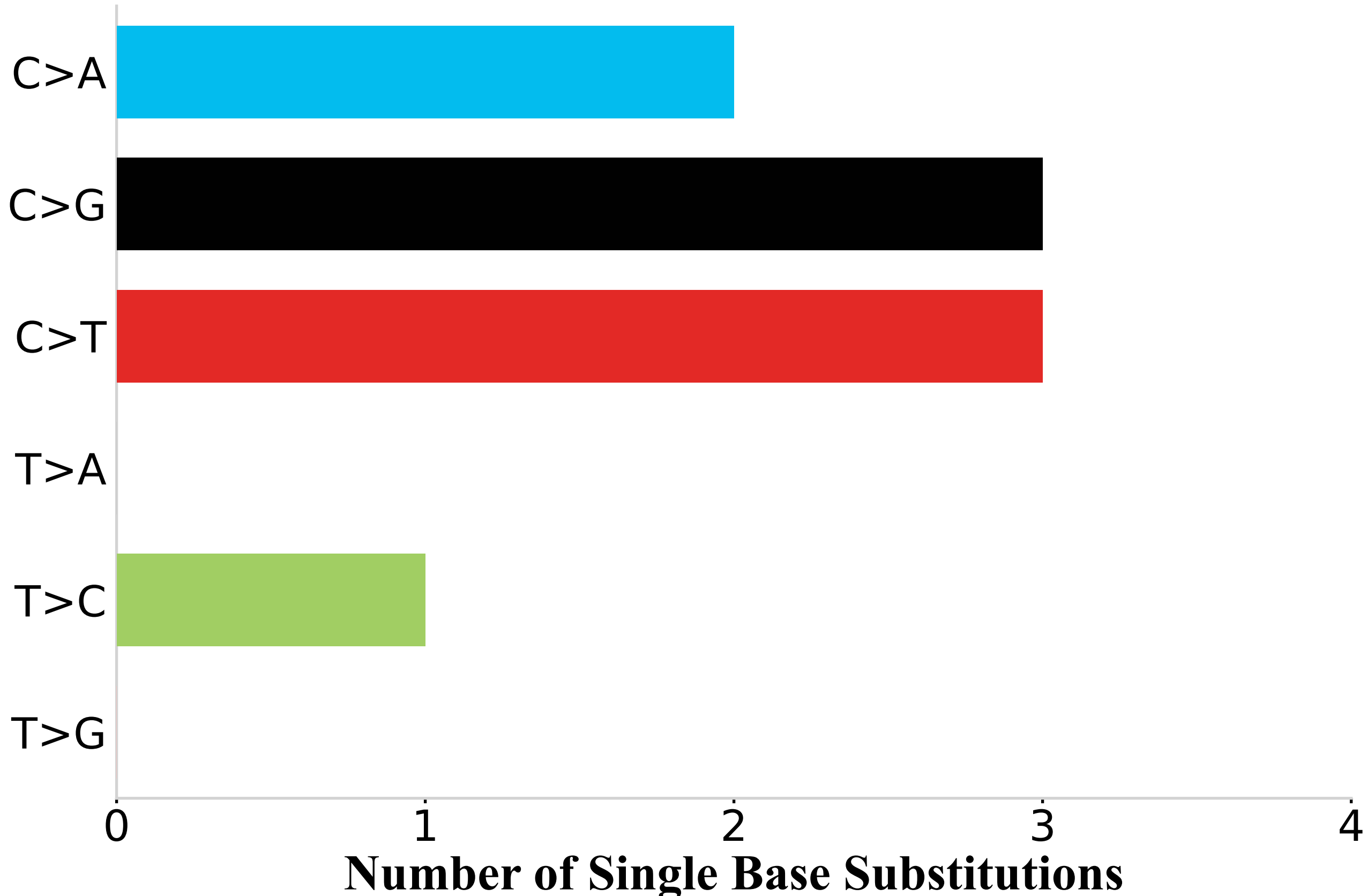
P-0013168-T01-IM5: 2 subs



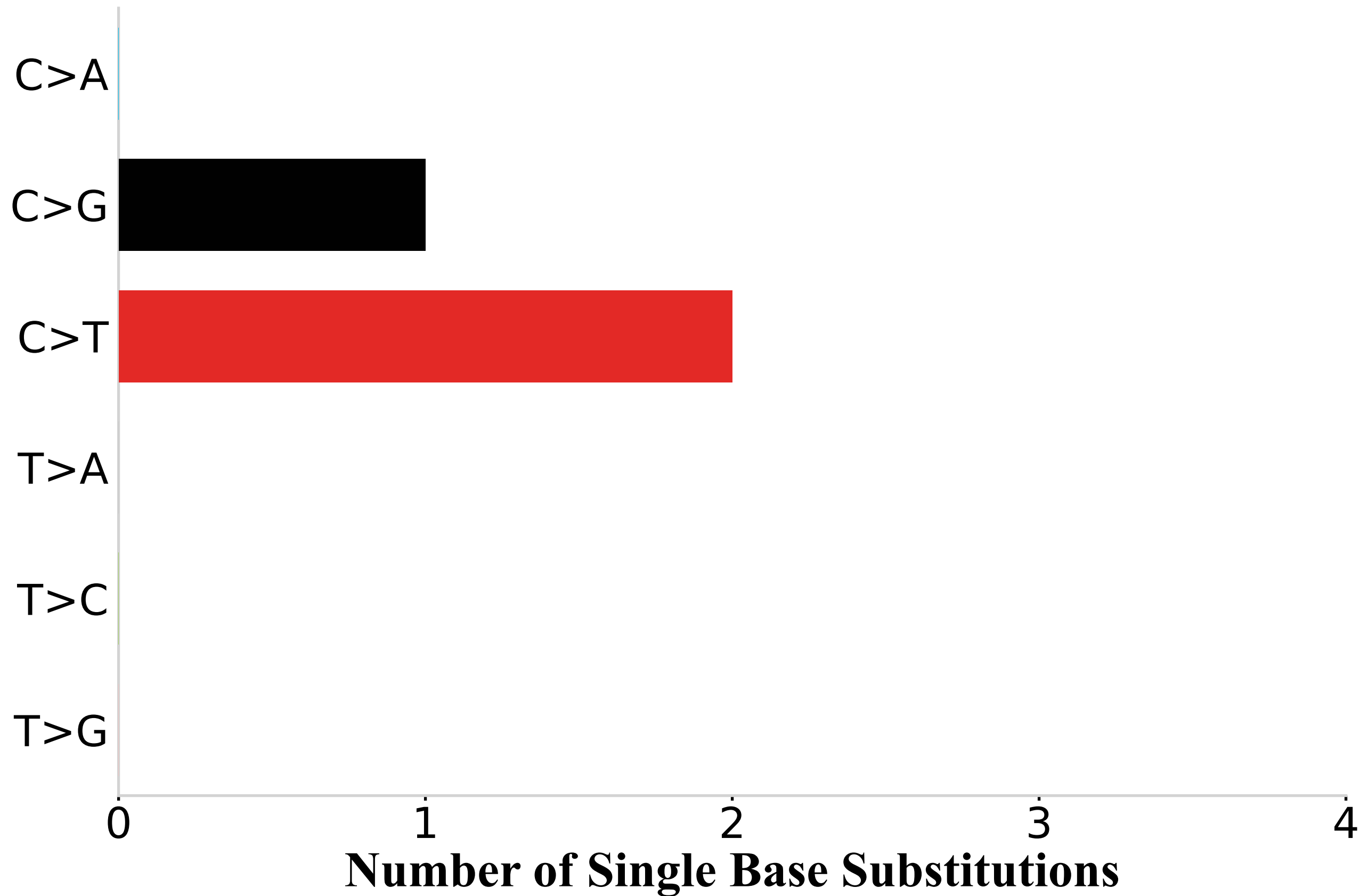
P-0013278-T01-IM5: 7 subs



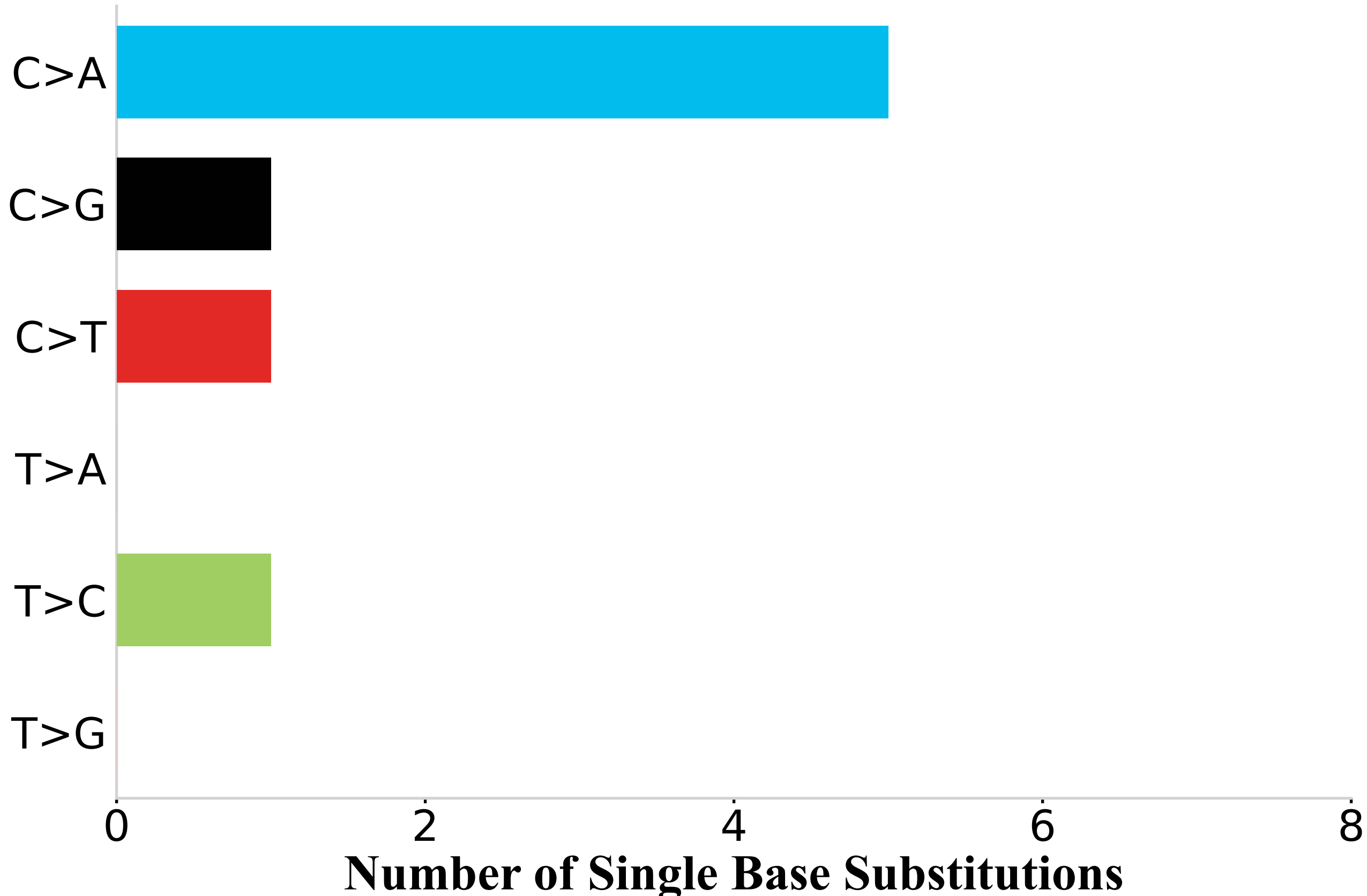
P-0013291-T01-IM5: 9 subs



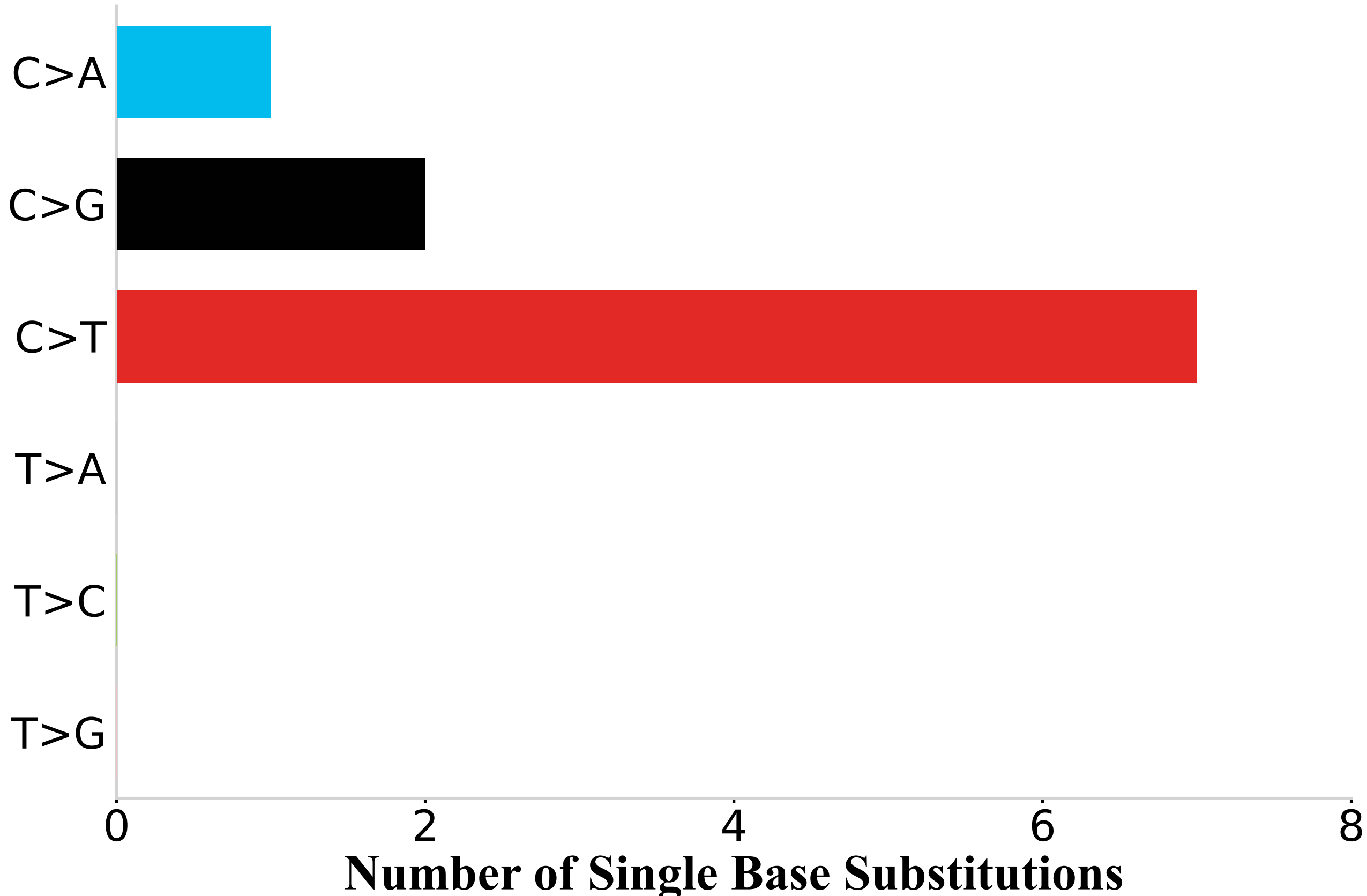
P-0013498-T01-IM5: 3 subs



P-0013513-T01-IM5: 8 subs



P-0013652-T01-IM5: 10 subs



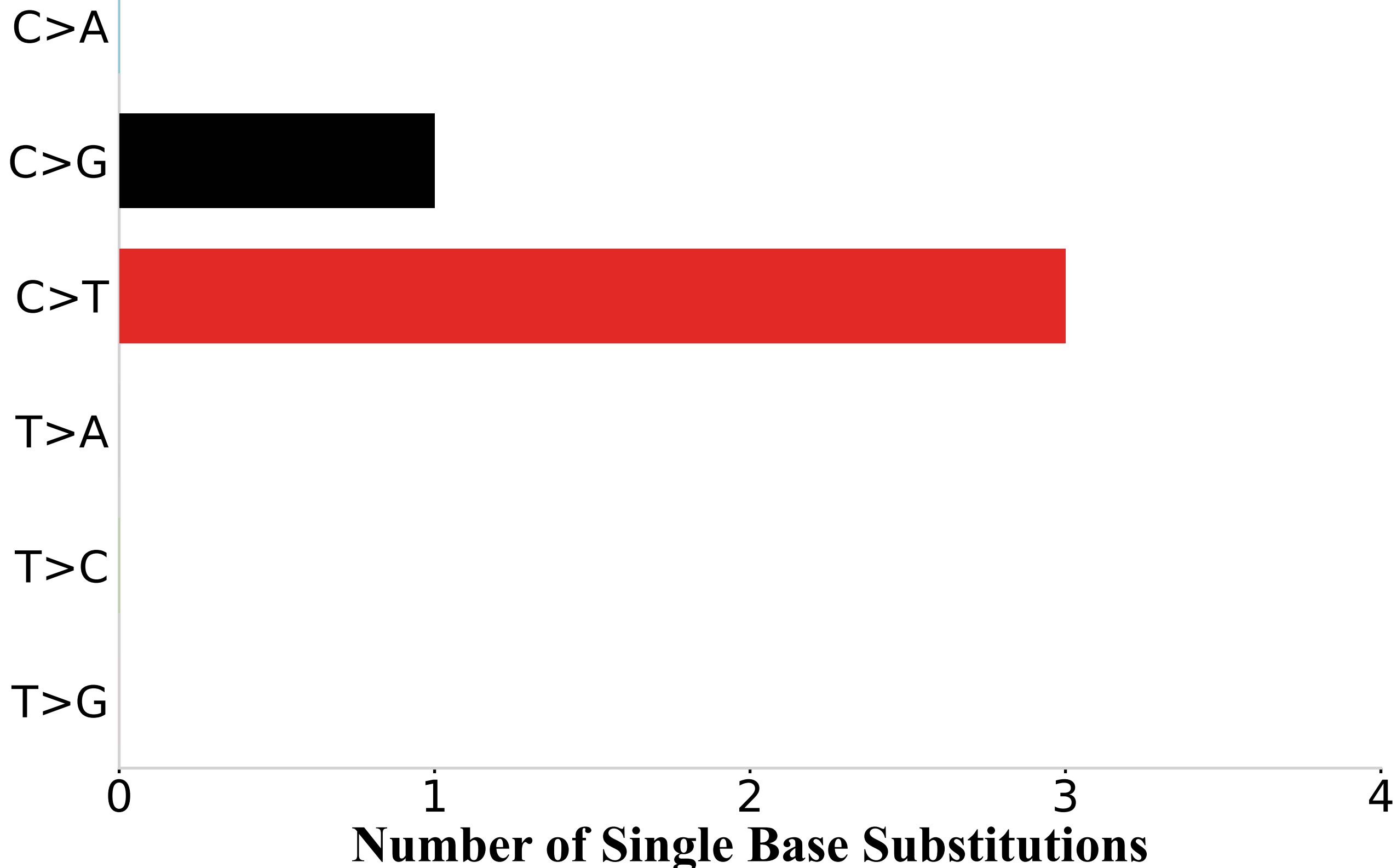
P-0013753-T01-IM5: 1 subs



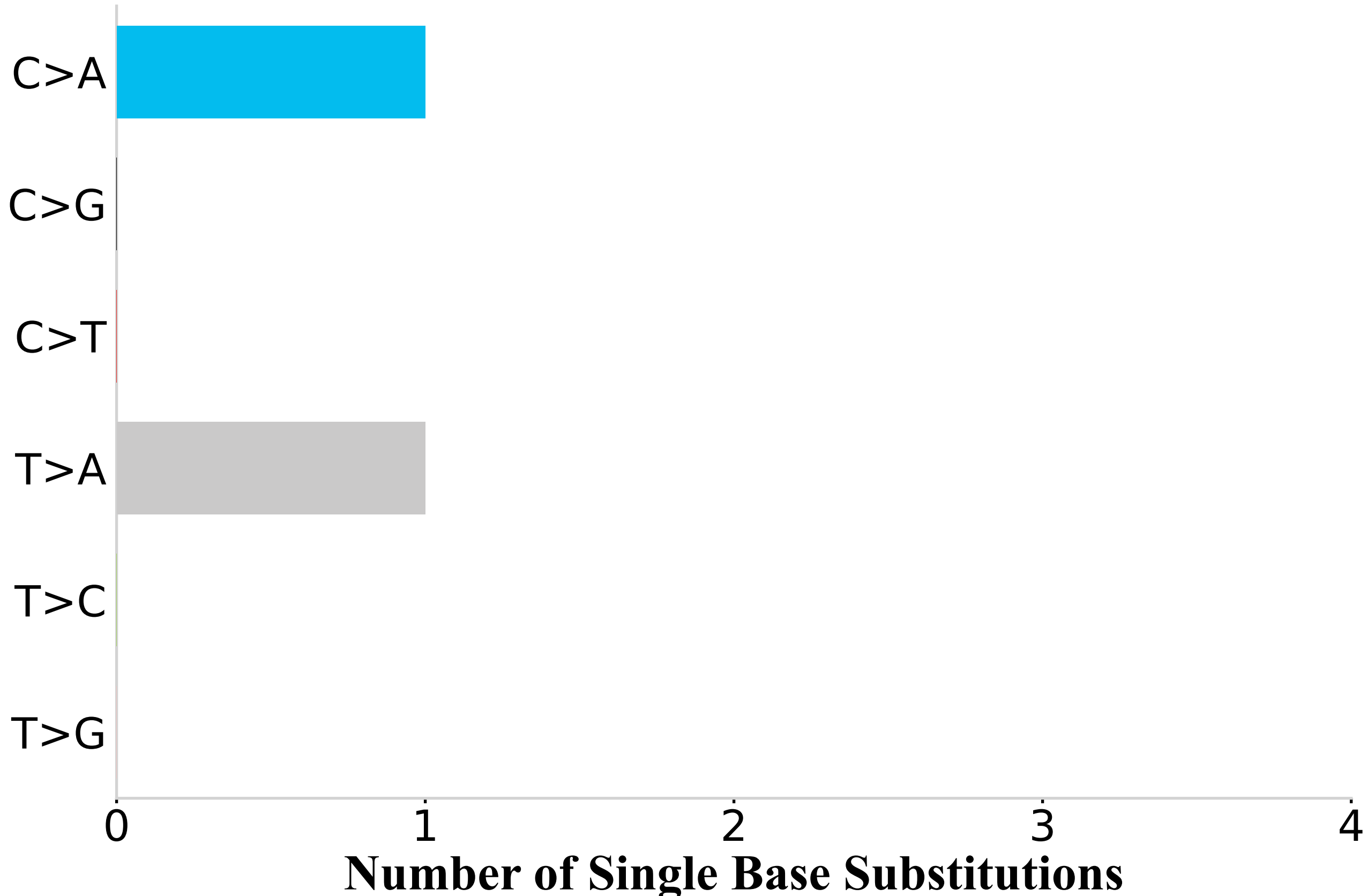
P-0013833-T01-IM5: 1 subs



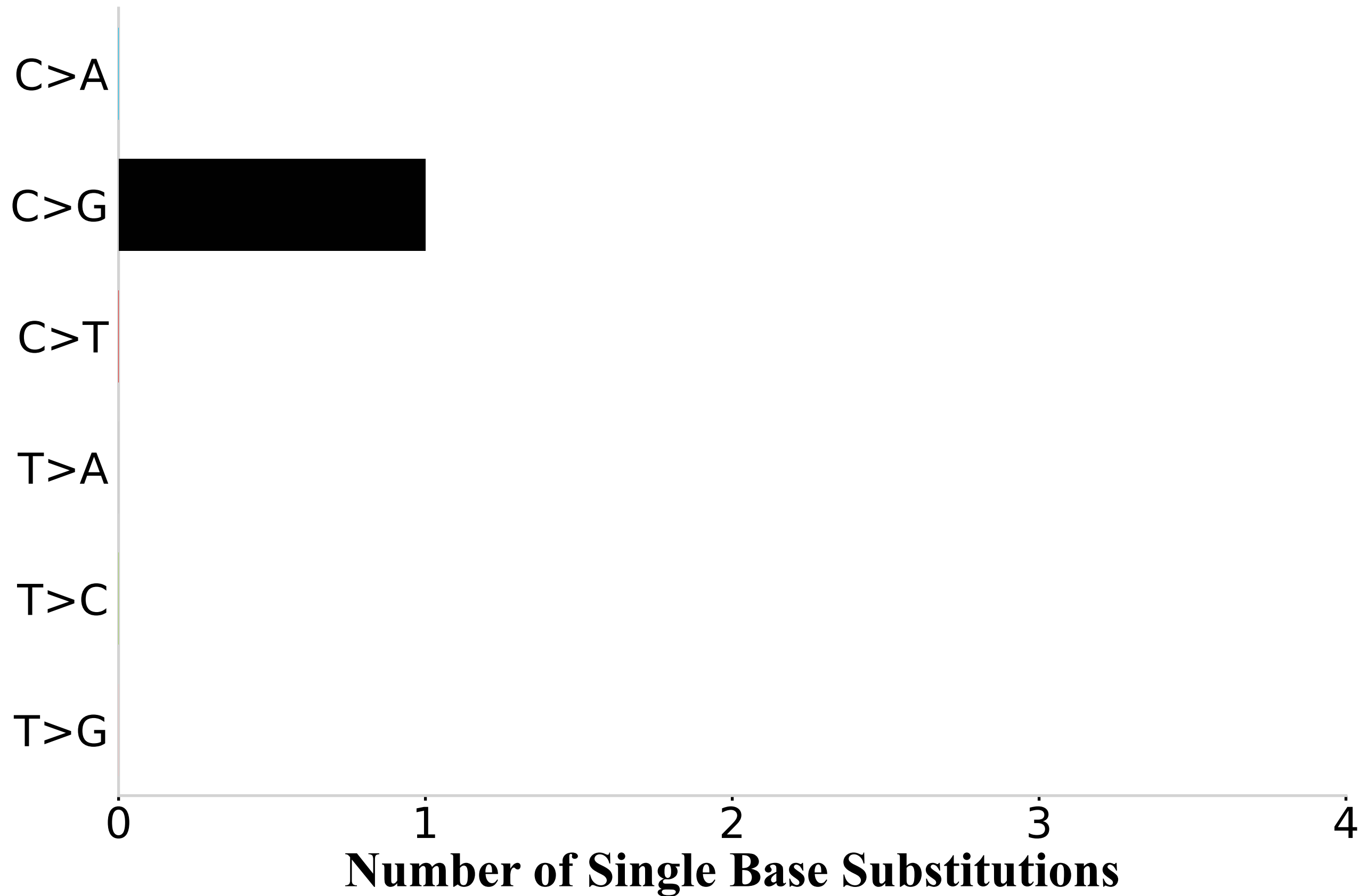
P-0013885-T01-IM5: 4 subs



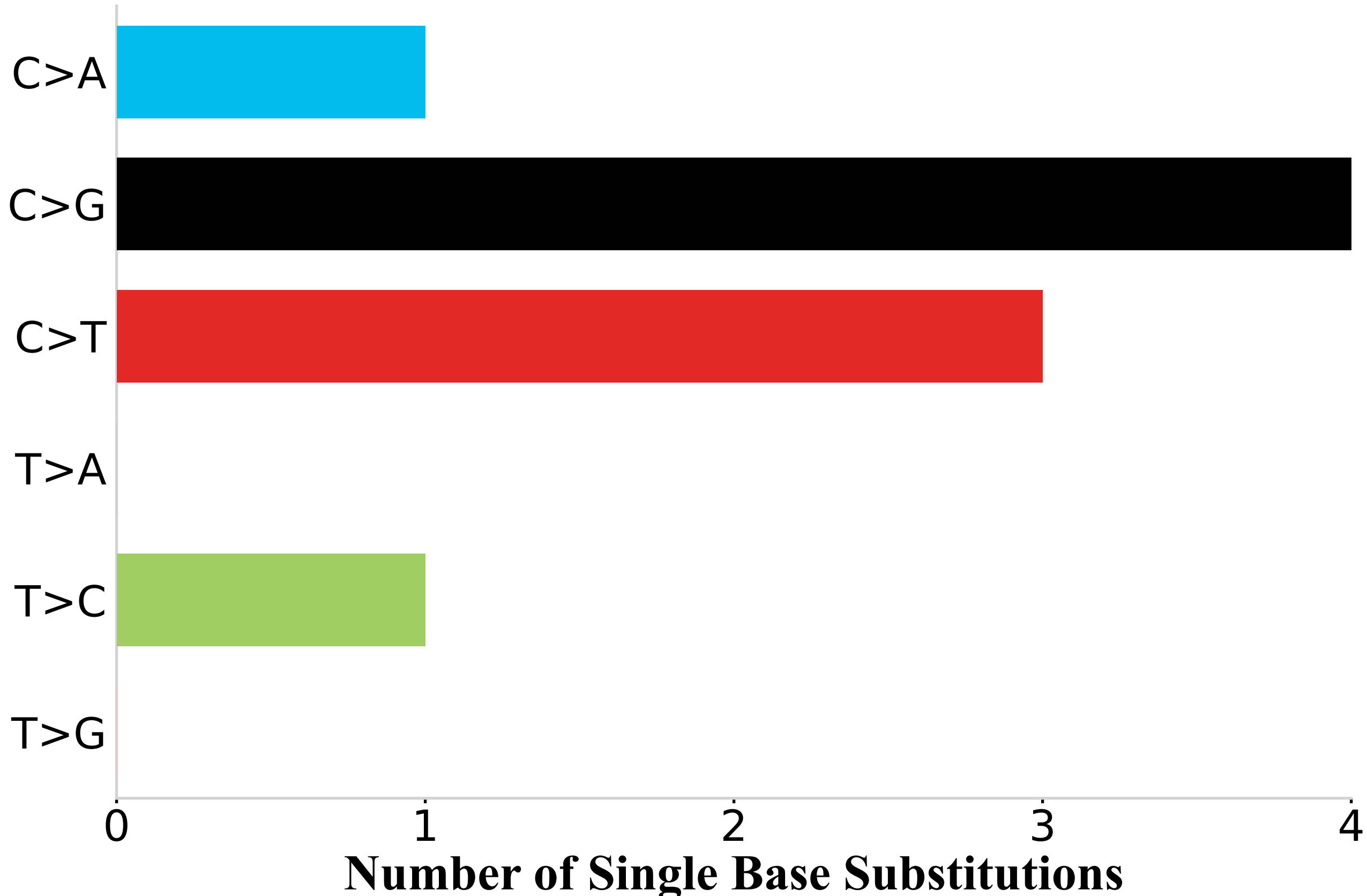
P-0013892-T01-IM5: 2 subs



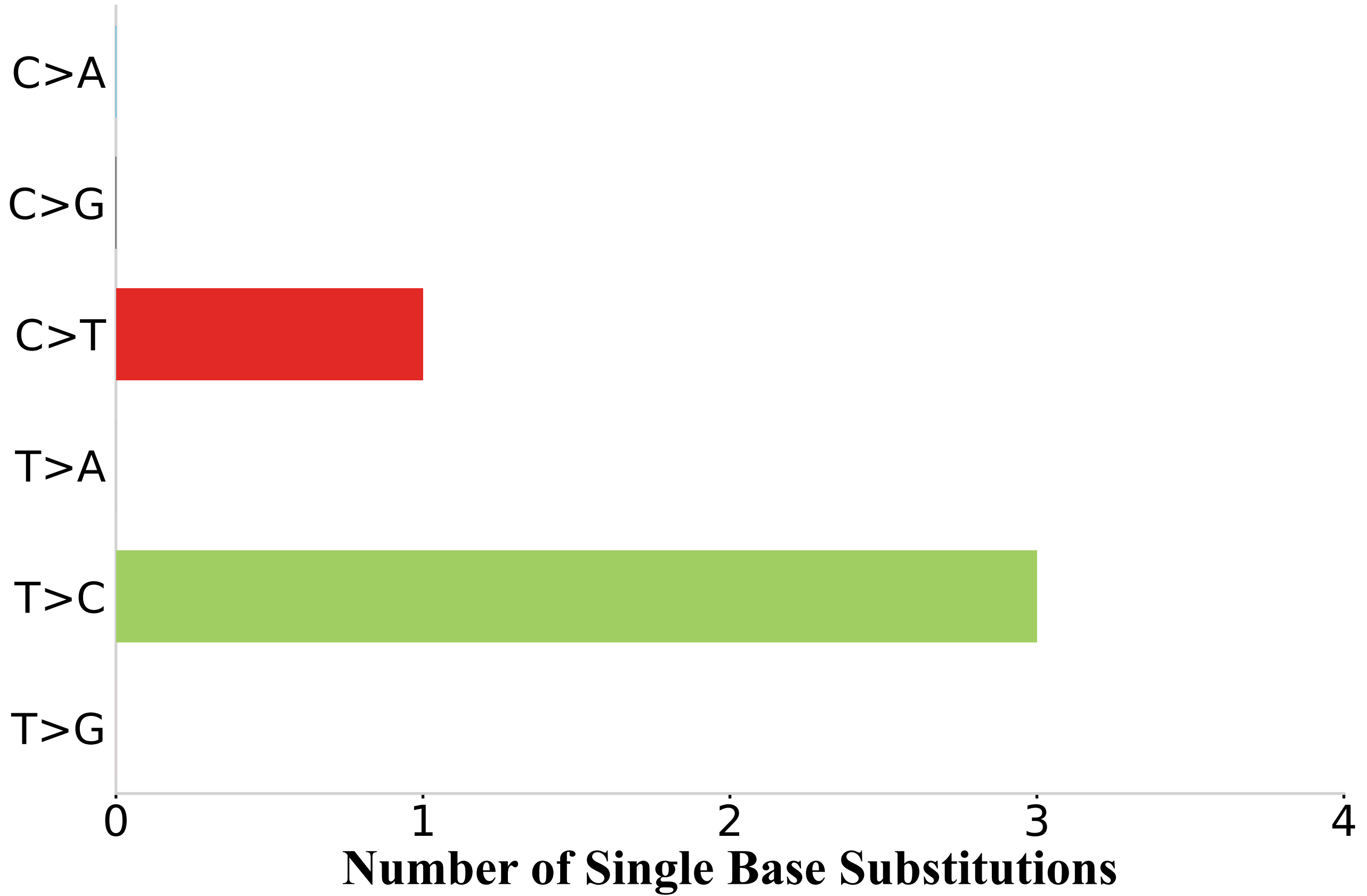
P-0014007-T01-IM5: 1 subs



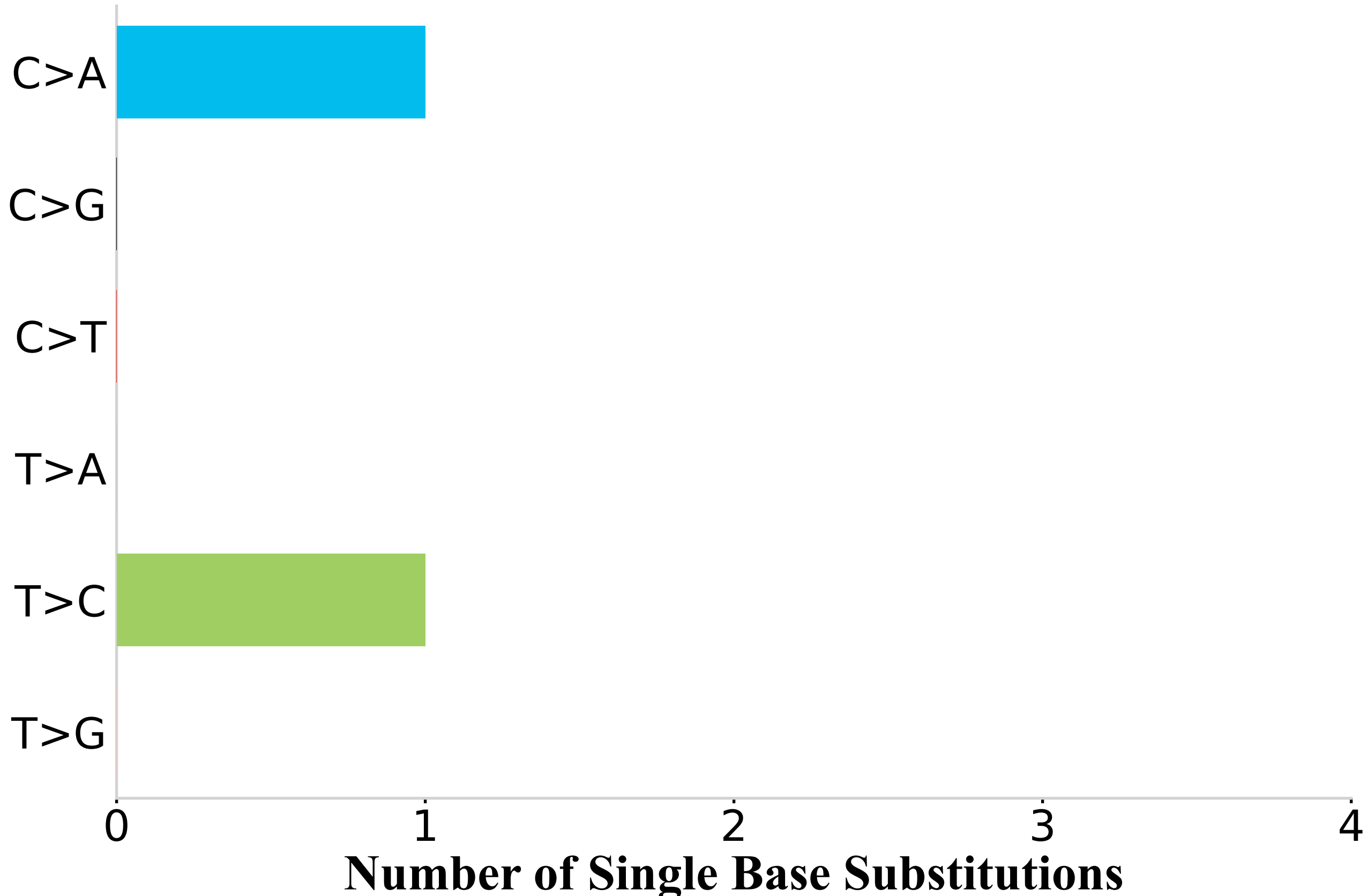
P-0014015-T01-IM5: 9 subs



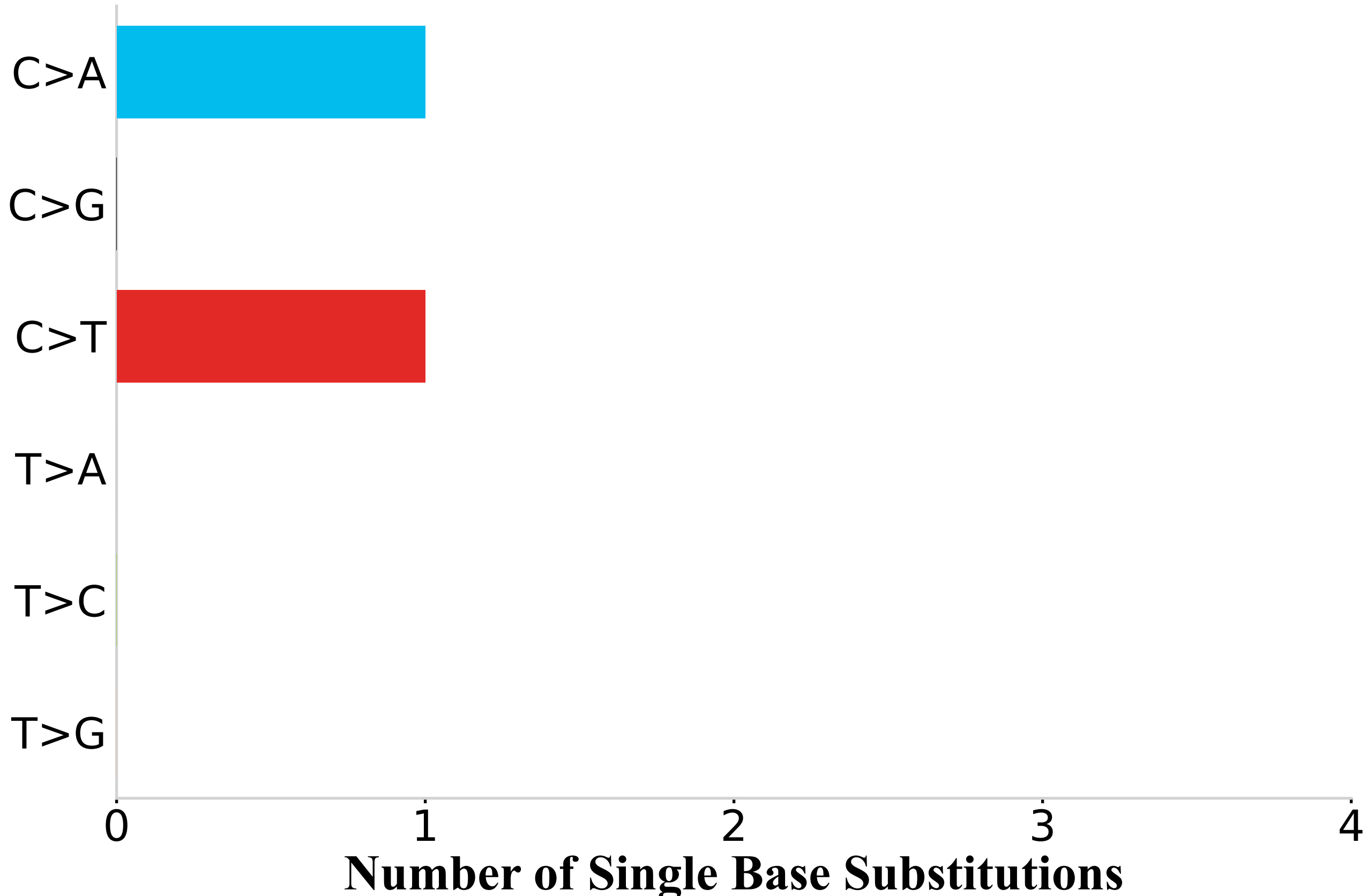
P-0014017-T01-IM5: 4 subs



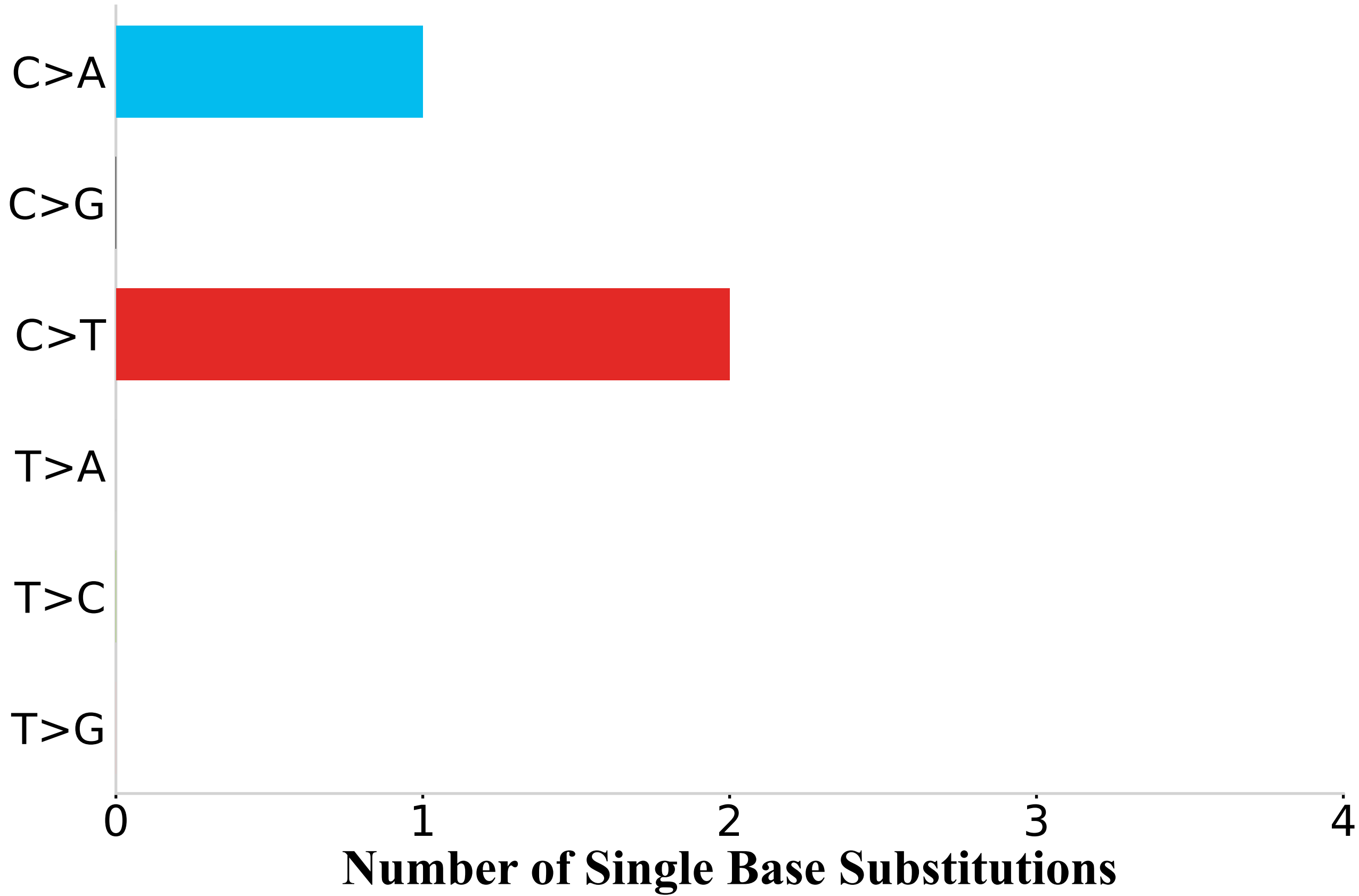
P-0014279-T01-IM6: 2 subs



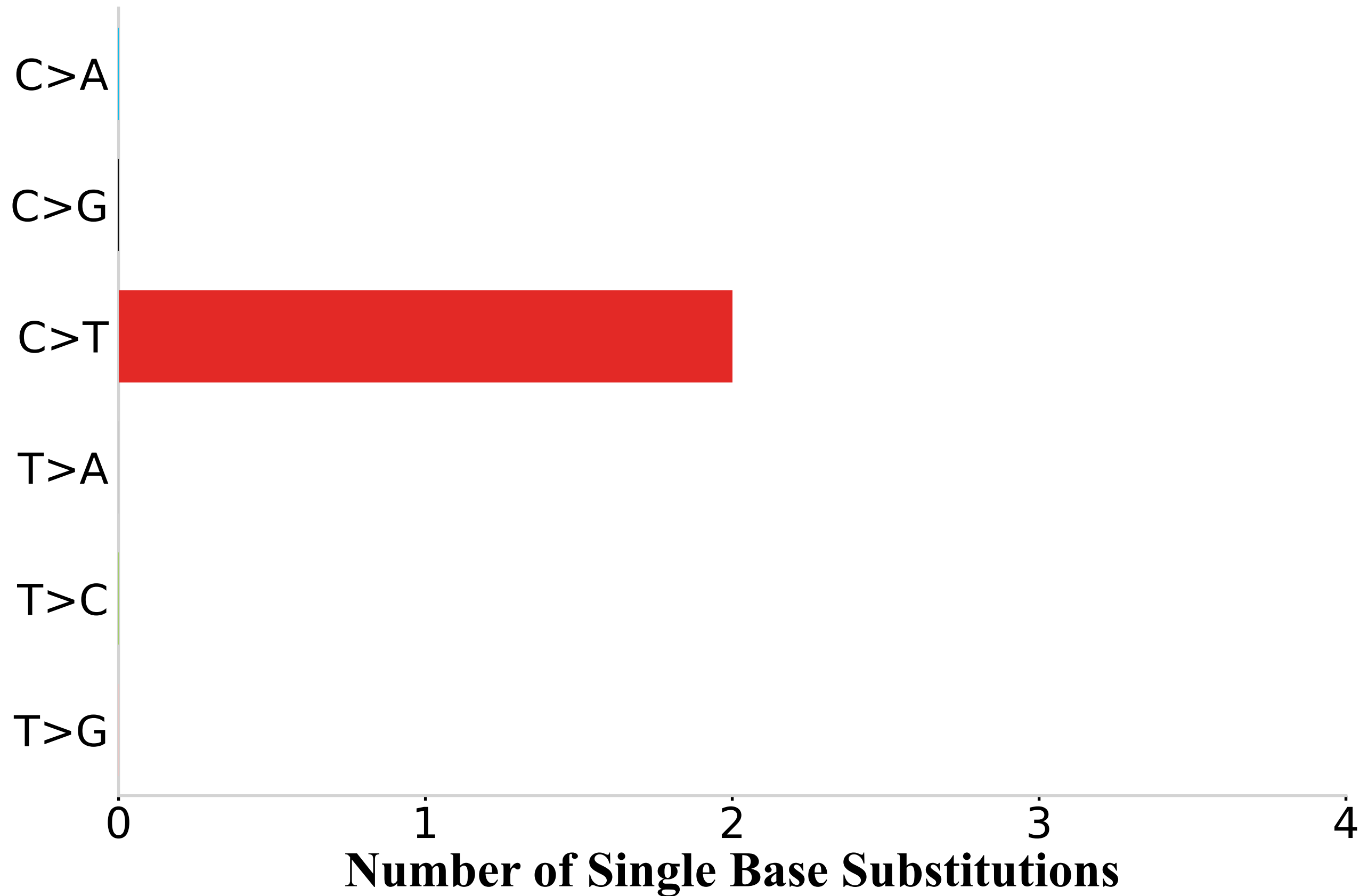
P-0014336-T01-IM6: 2 subs



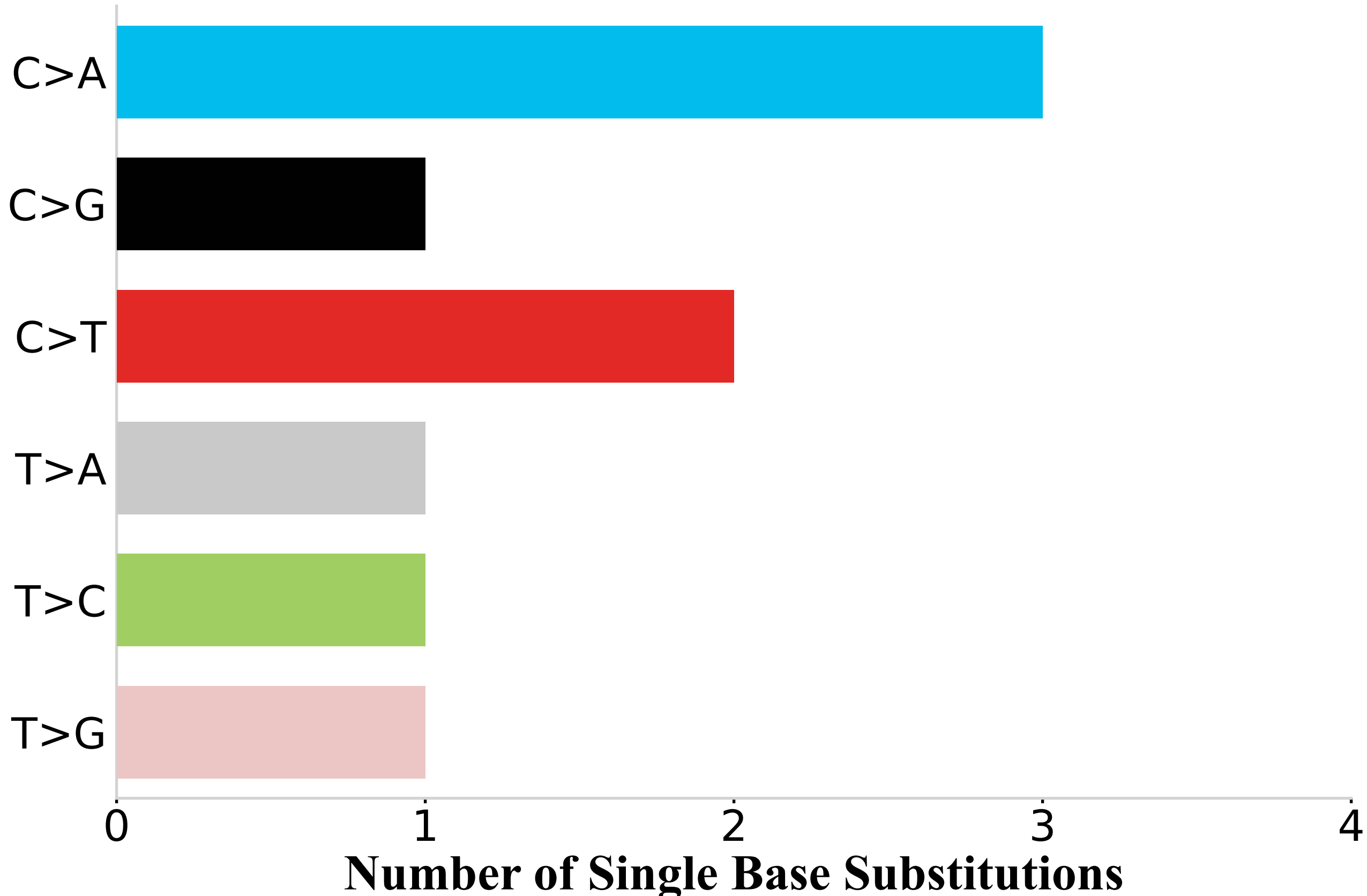
P-0014397-T01-IM6: 3 subs



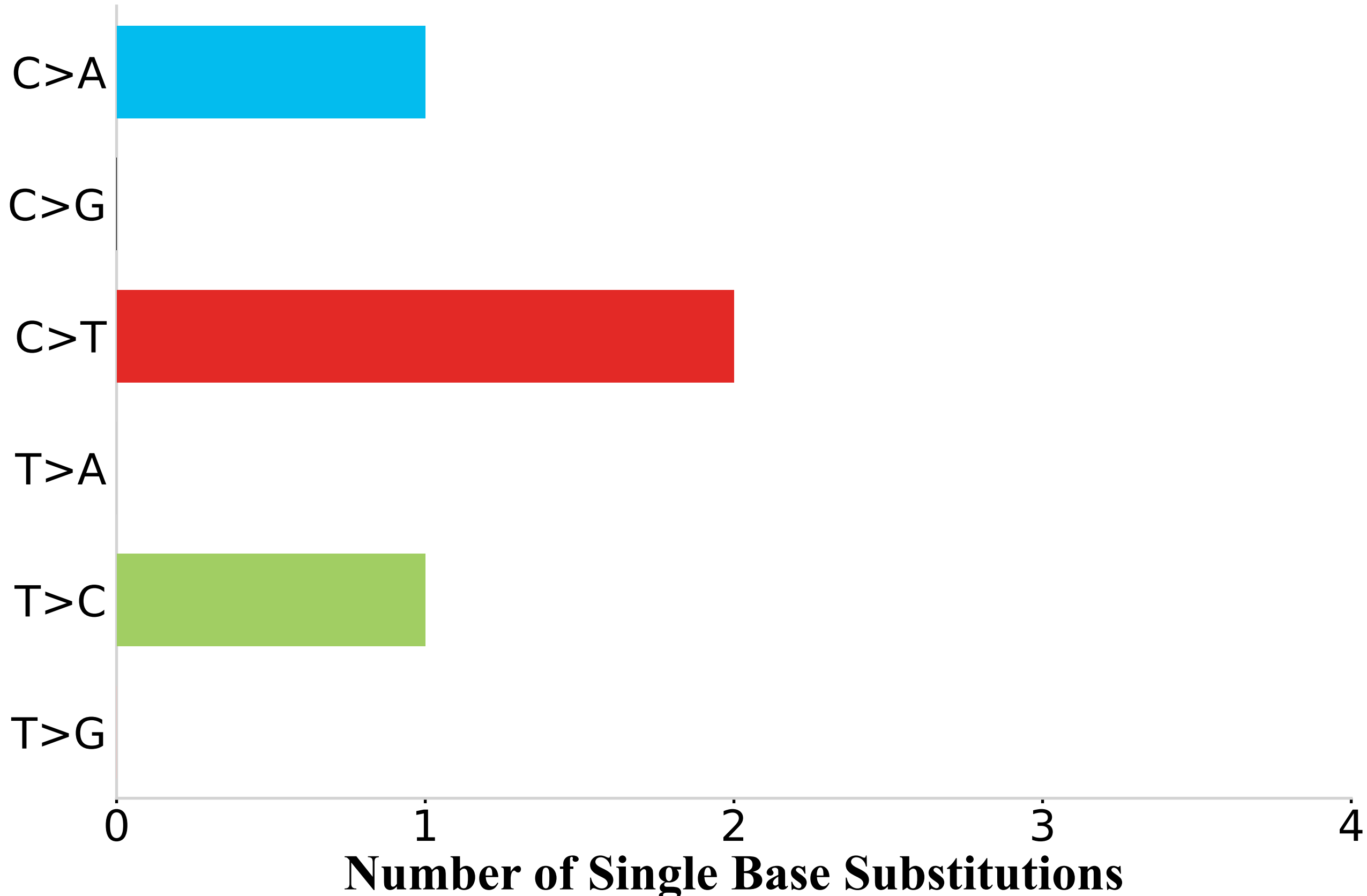
P-0014420-T01-IM6: 2 subs



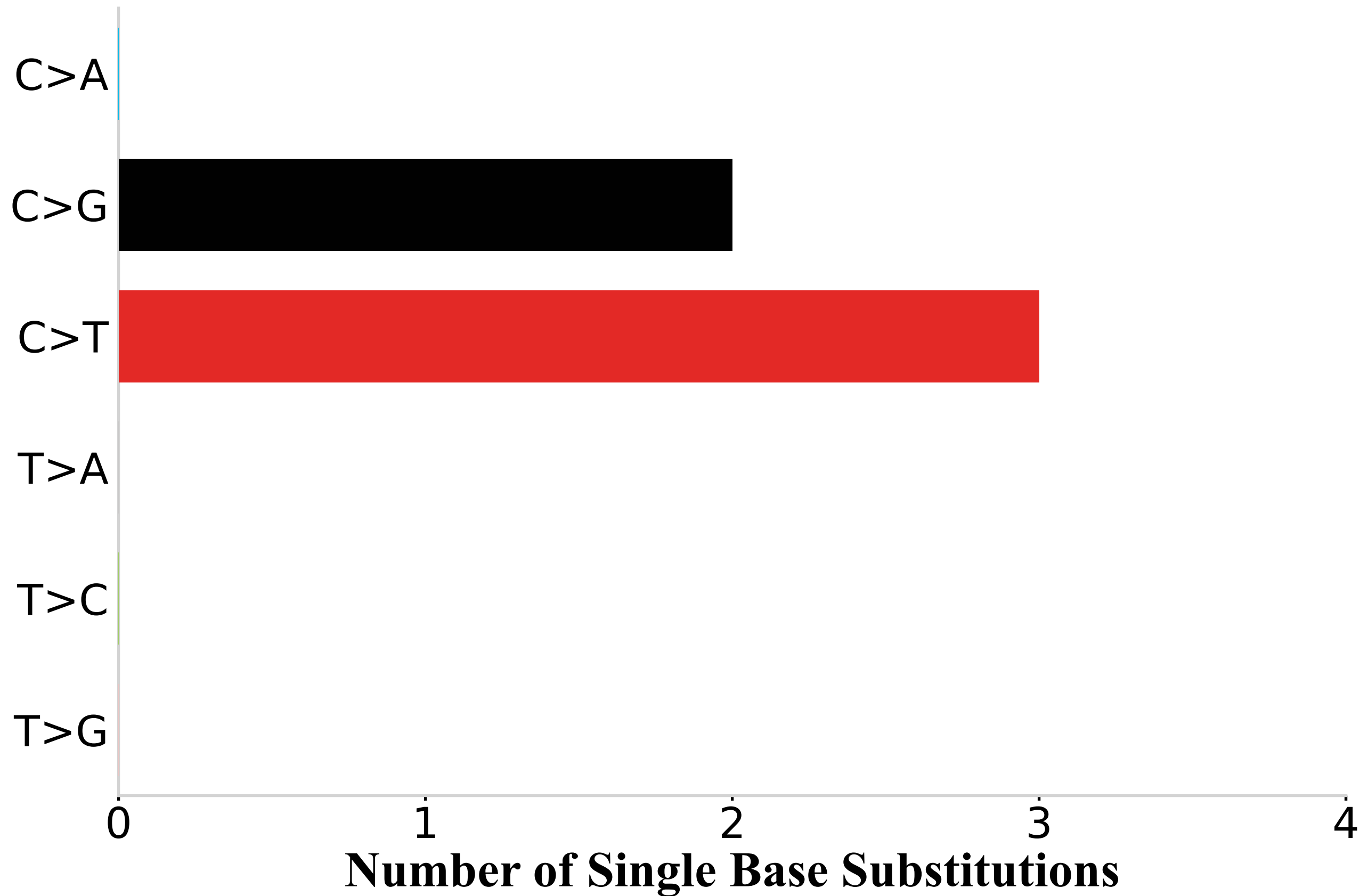
P-0014465-T01-IM6: 9 subs



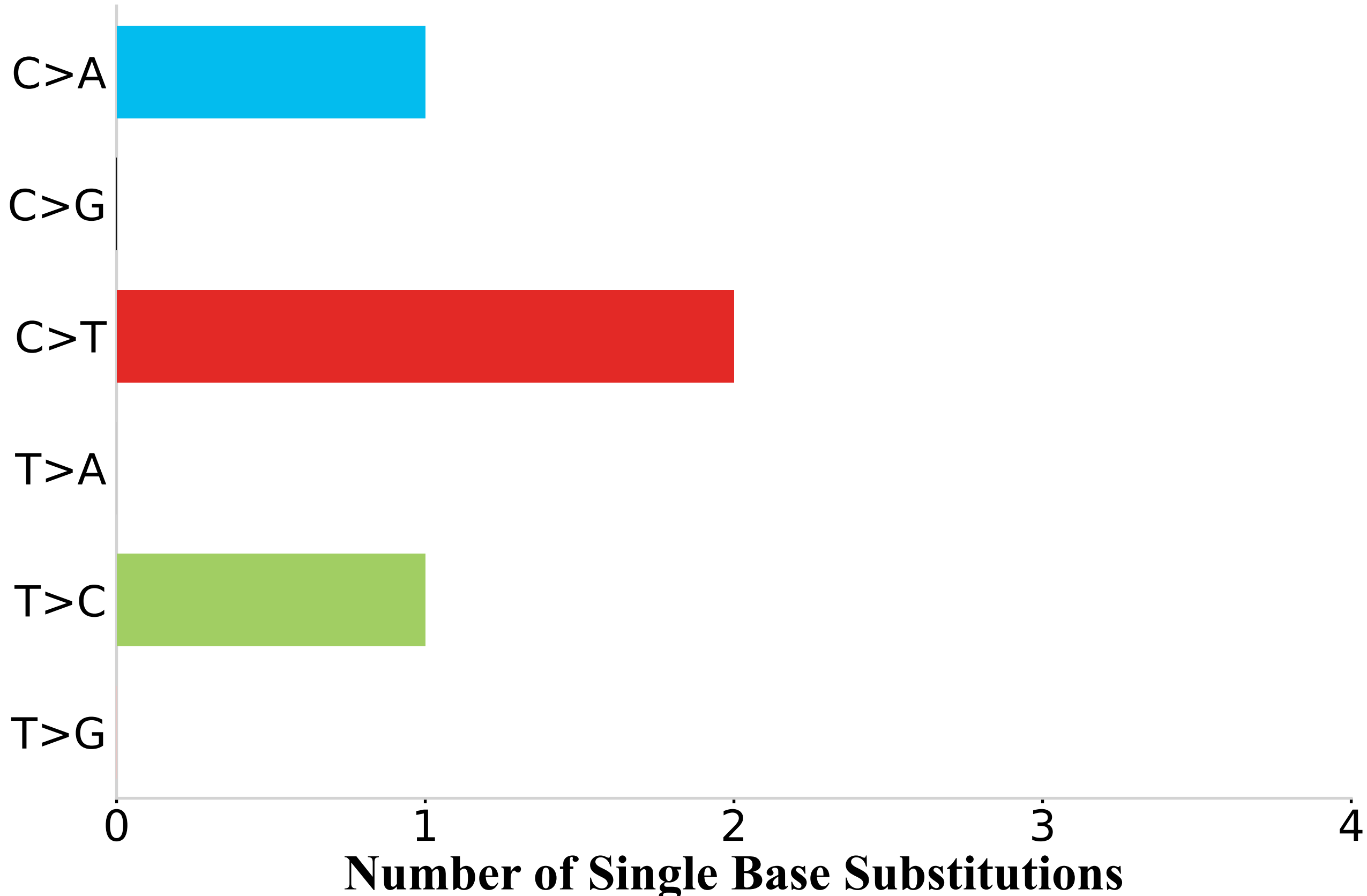
P-0014671-T01-IM6: 4 subs



P-0014766-T01-IM6: 5 subs



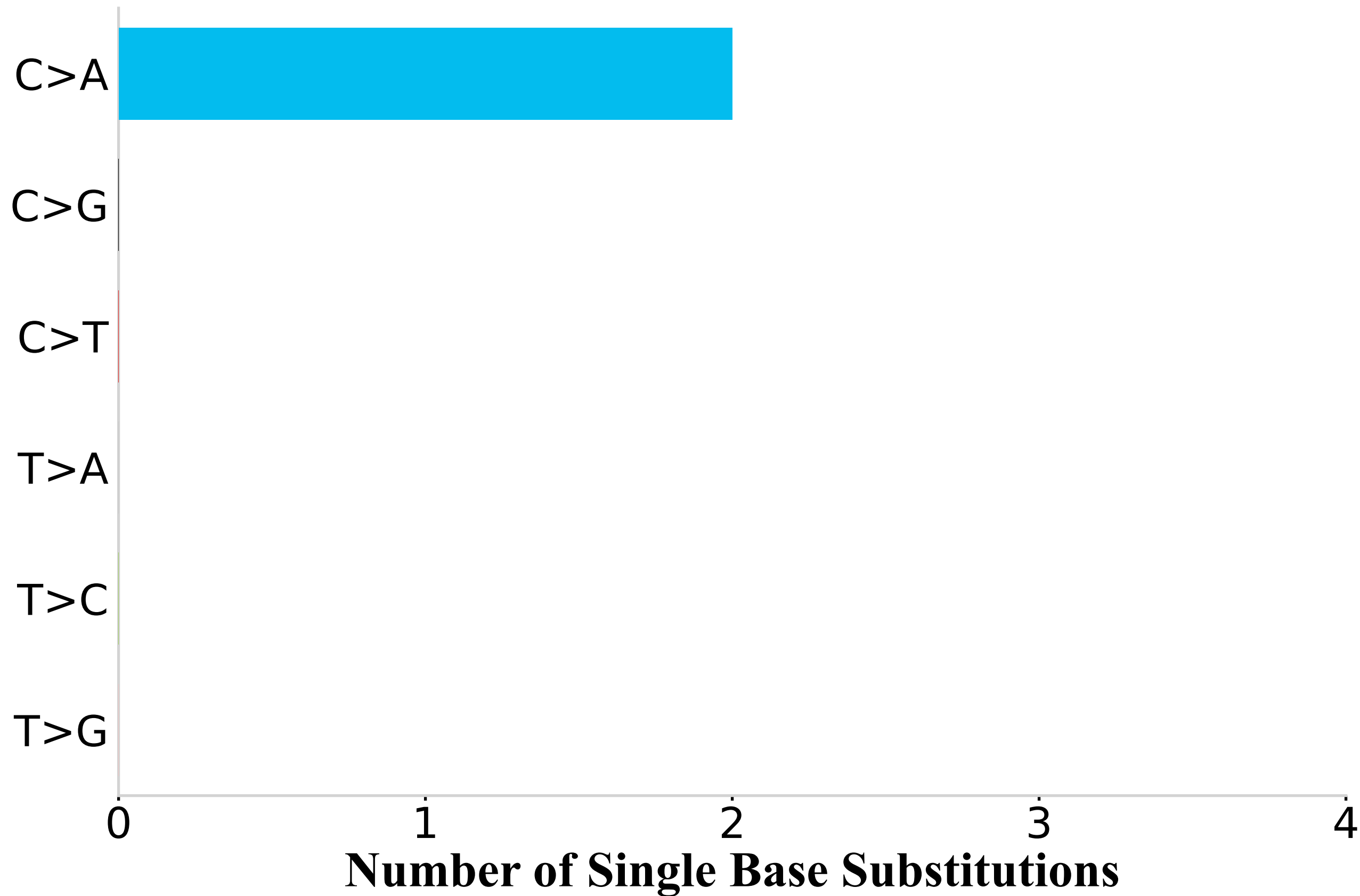
P-0014898-T01-IM6: 4 subs



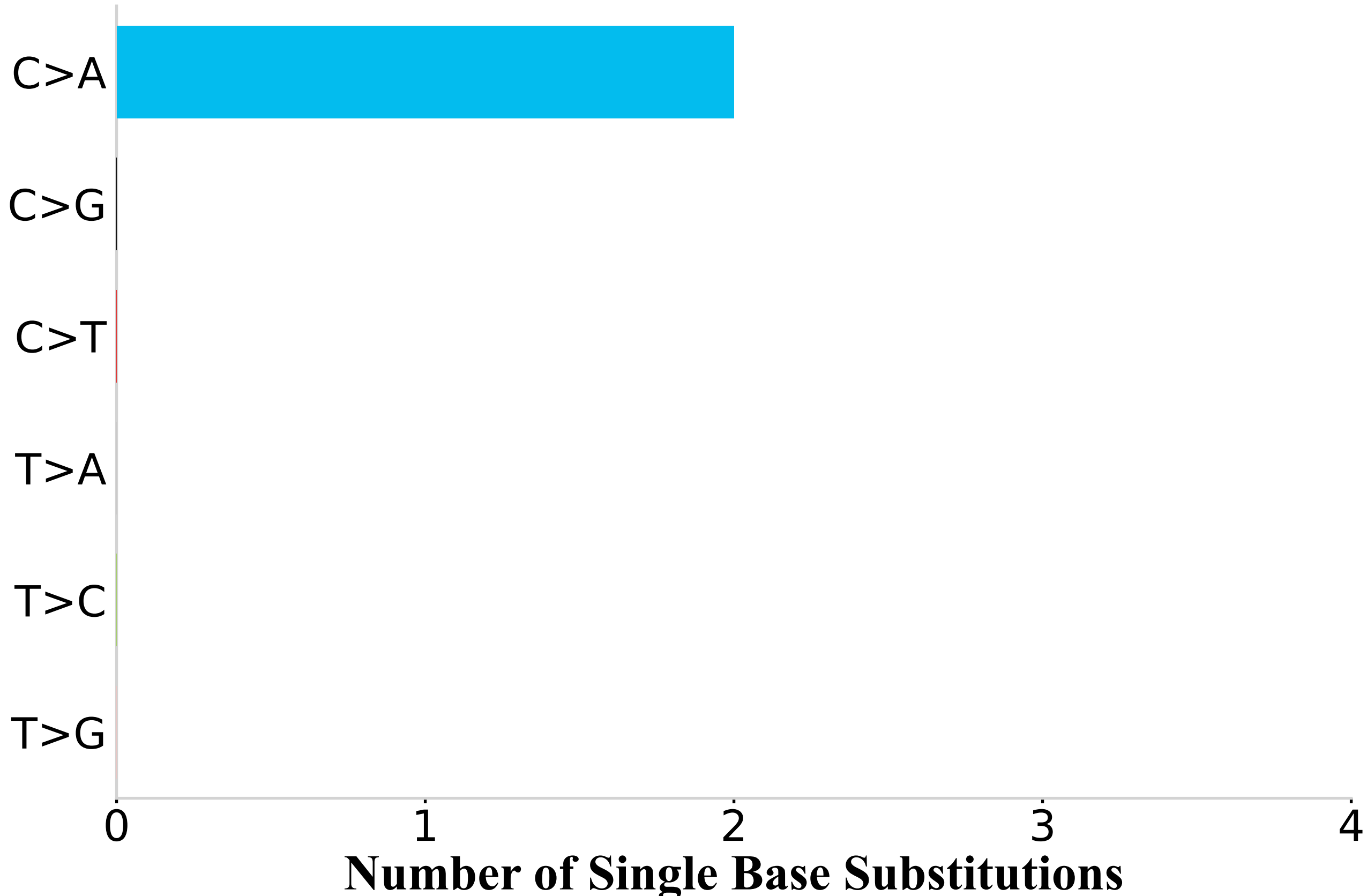
P-0014965-T01-IM6: 1 subs



P-0015030-T01-IM6: 2 subs



P-0015188-T01-IM6: 2 subs



P-0015451-T01-IM6: 9 subs

C>A

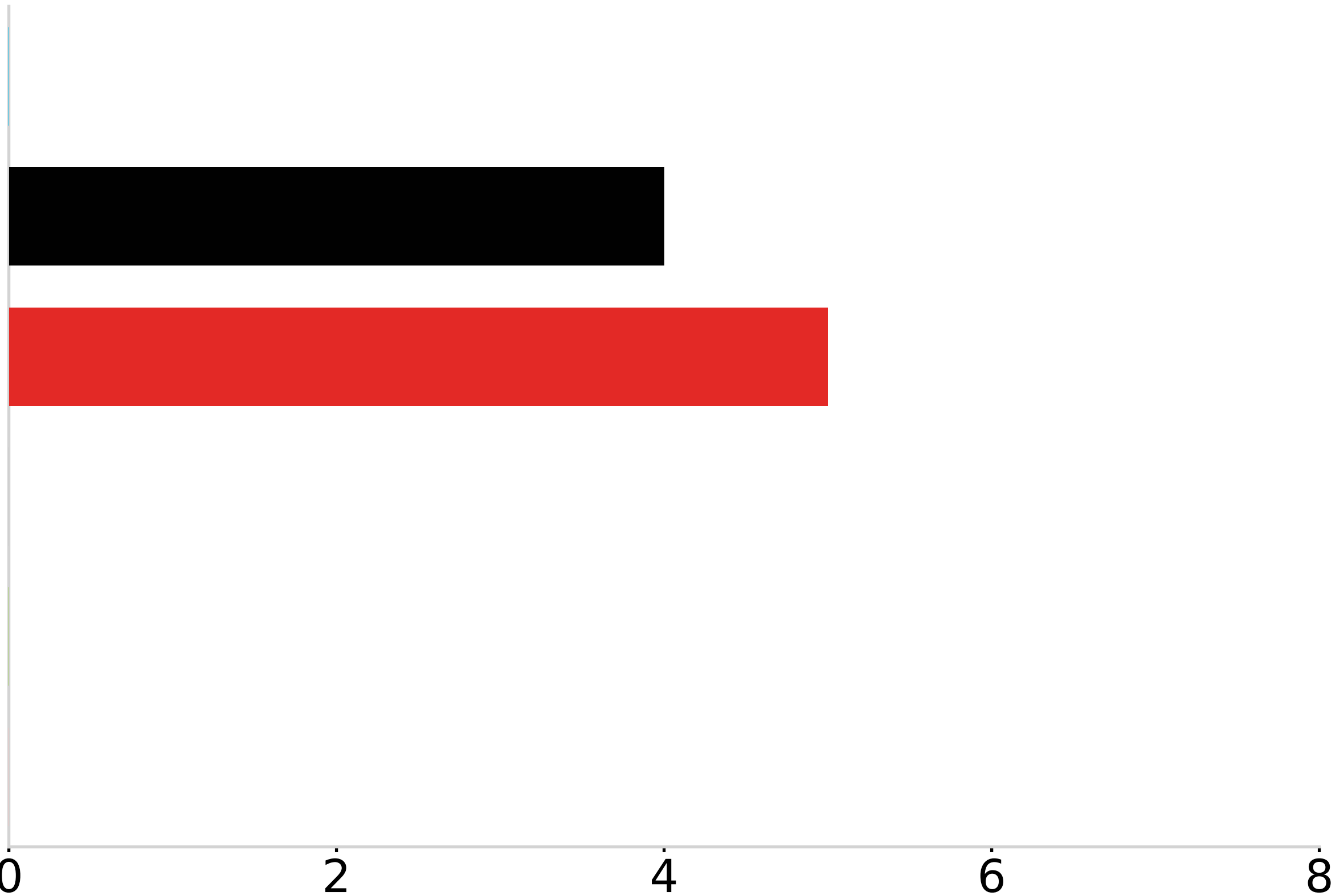
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C>T

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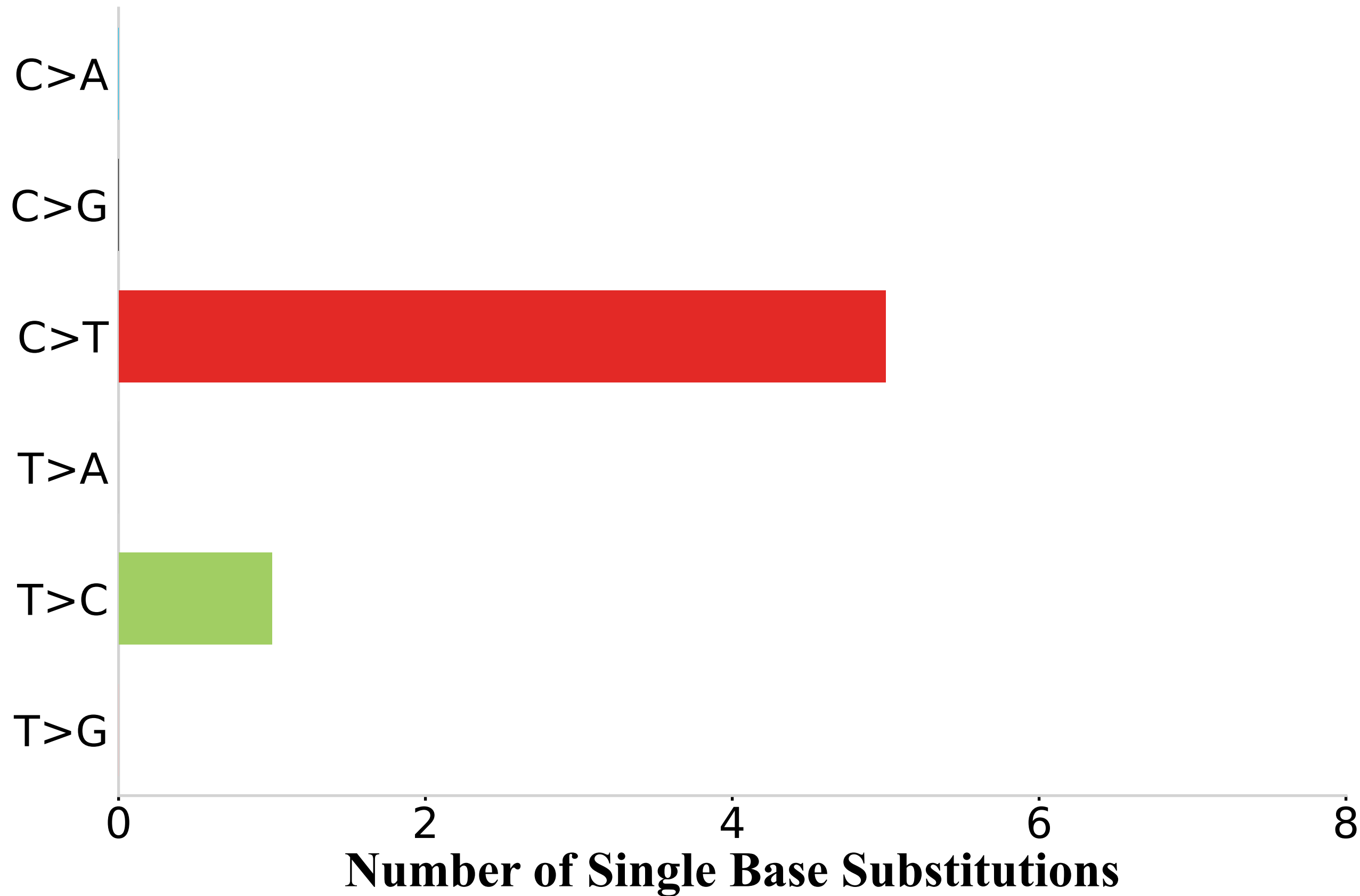
T>C

T>G

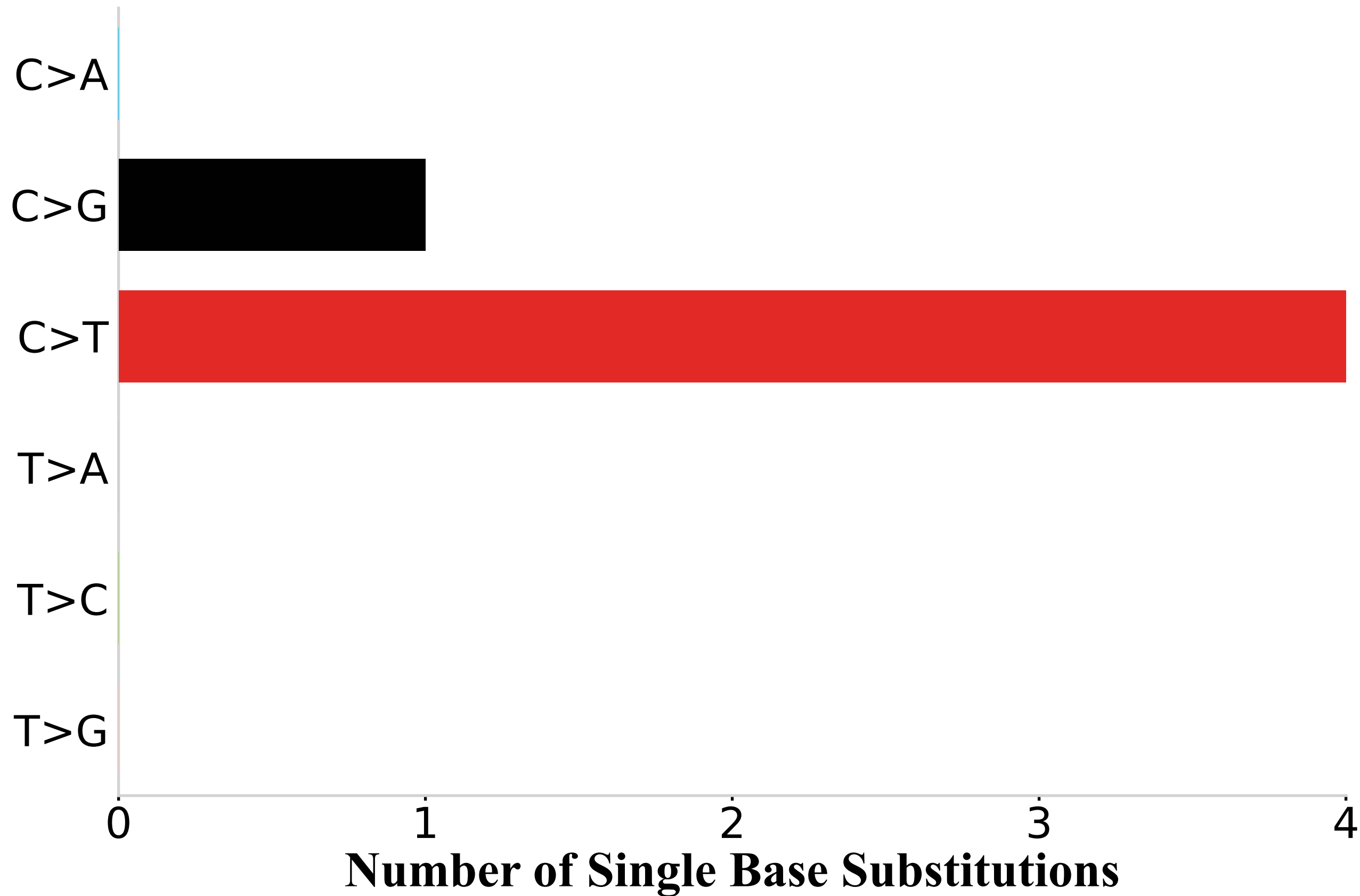


Number of Single Base Substitutions

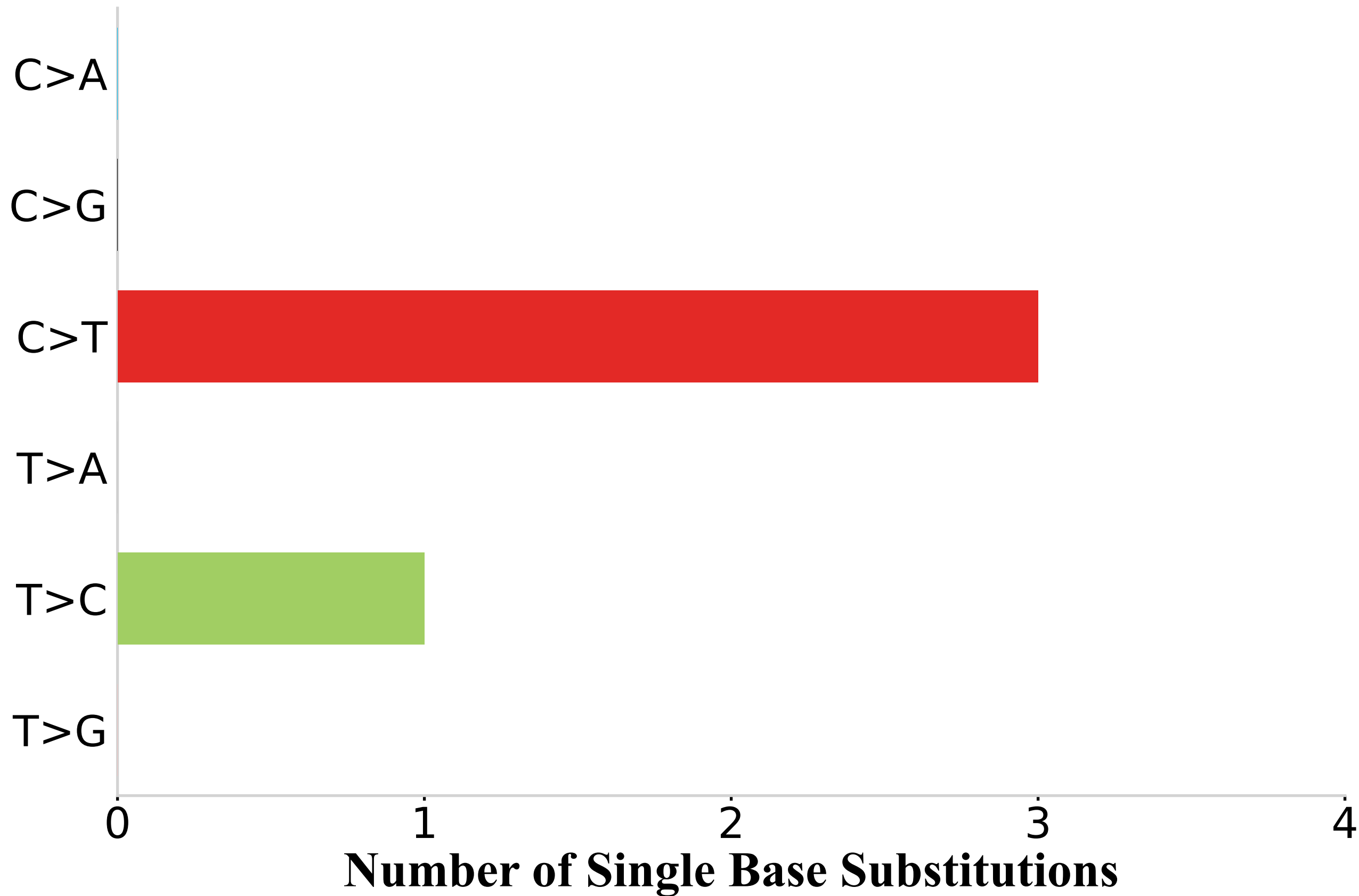
P-0015745-T01-IM6: 6 subs



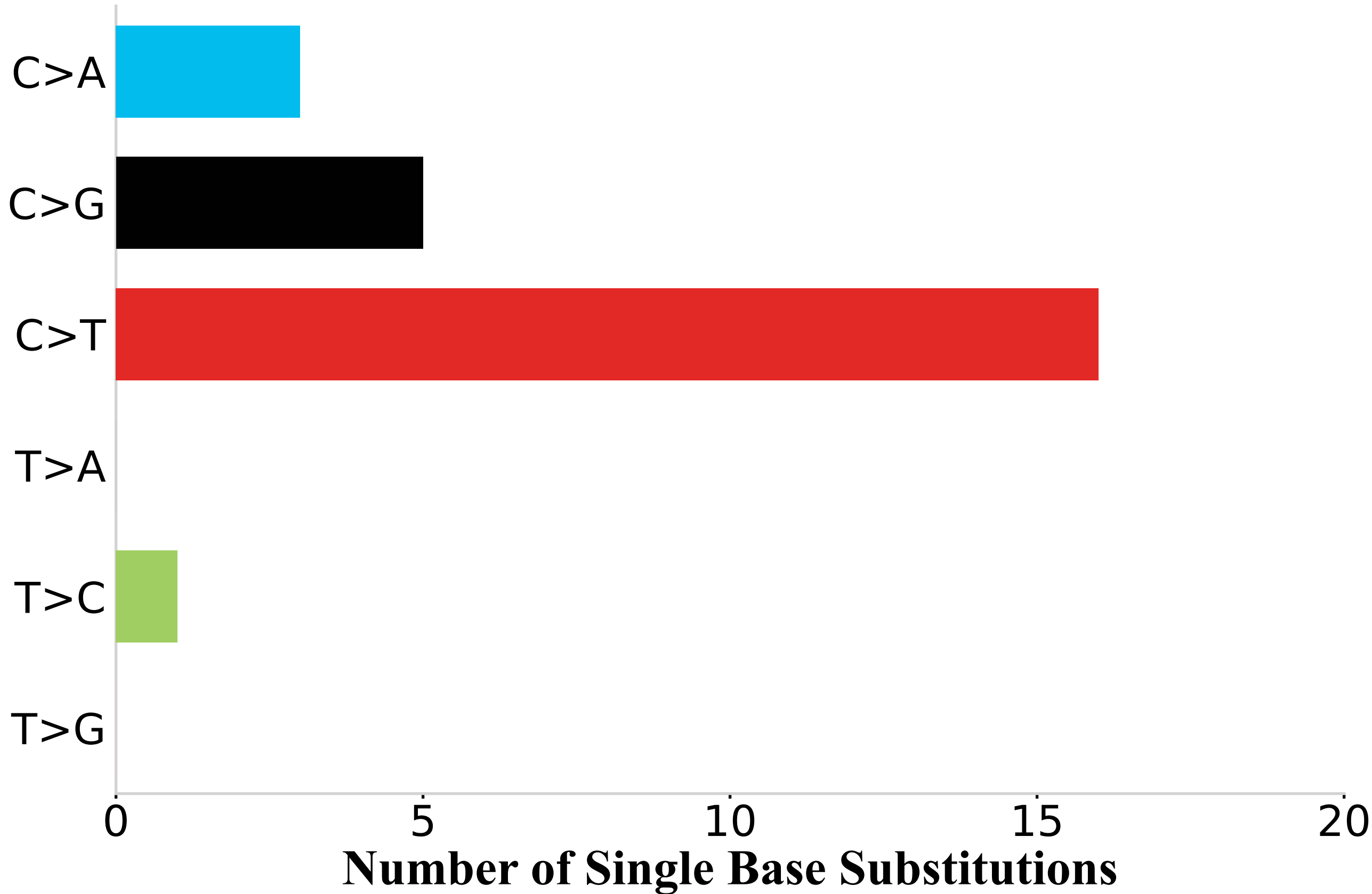
P-0015763-T01-IM6: 5 subs



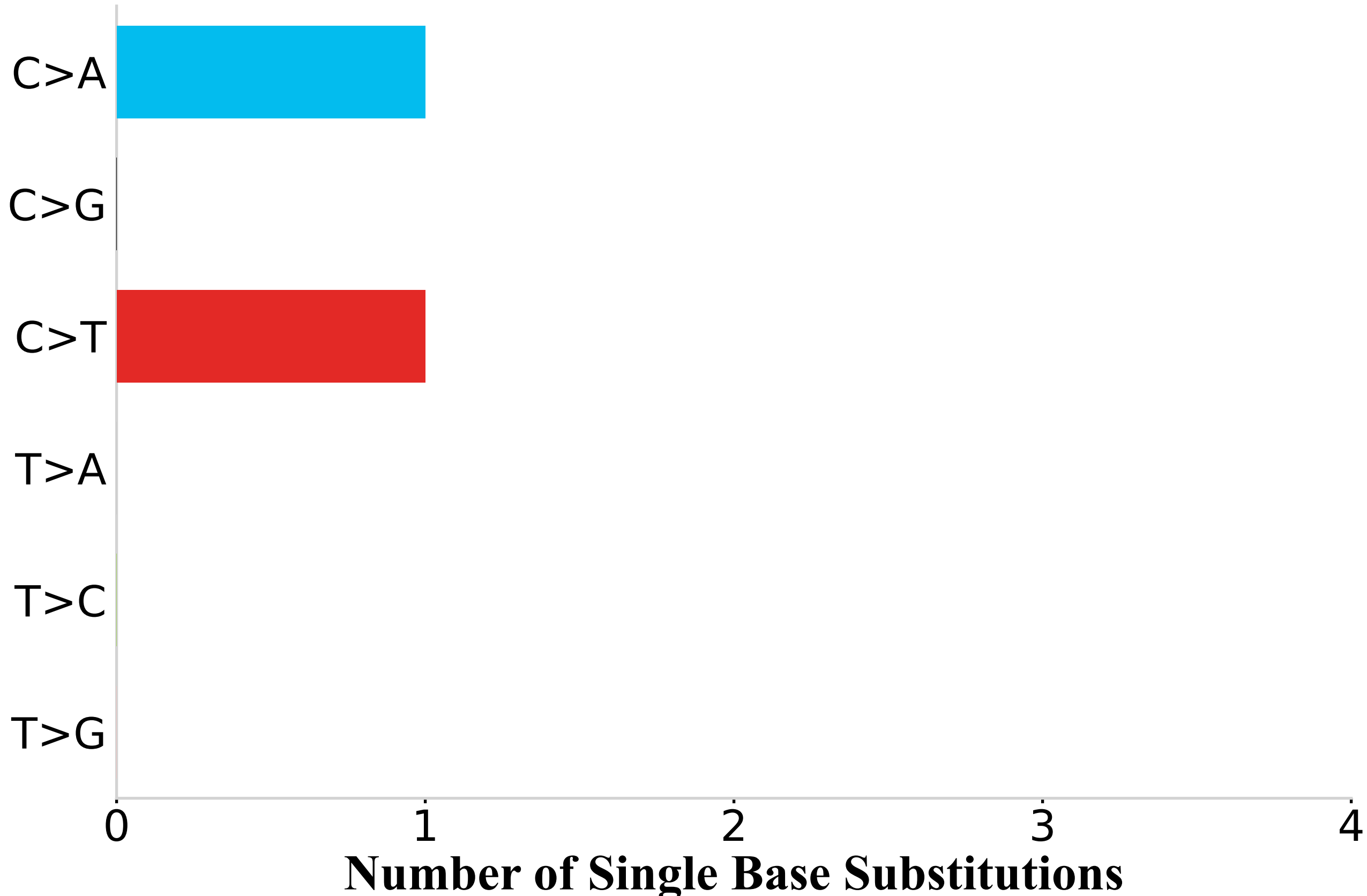
P-0015915-T01-IM6: 4 subs



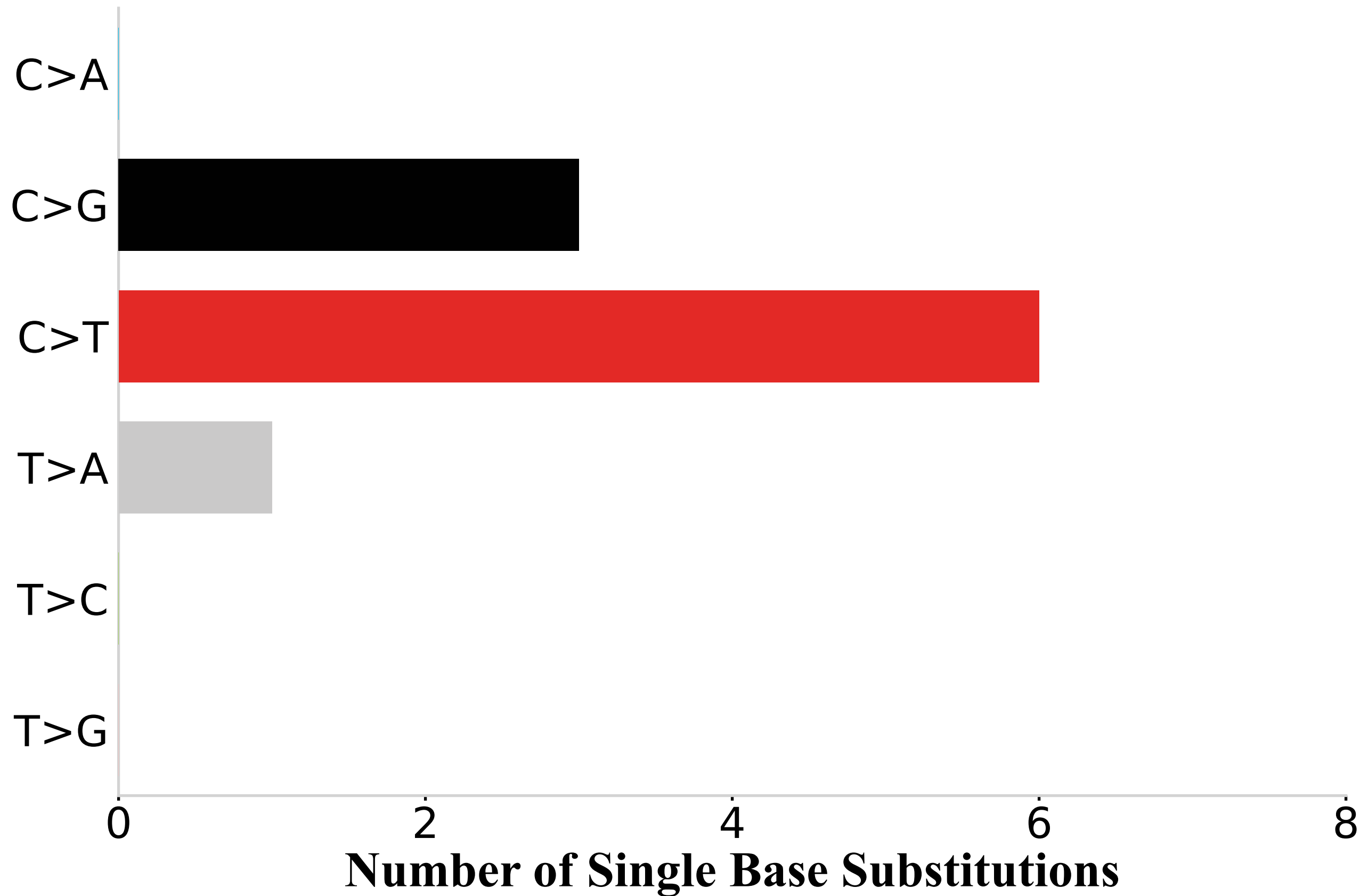
P-0016025-T01-IM6: 25 subs



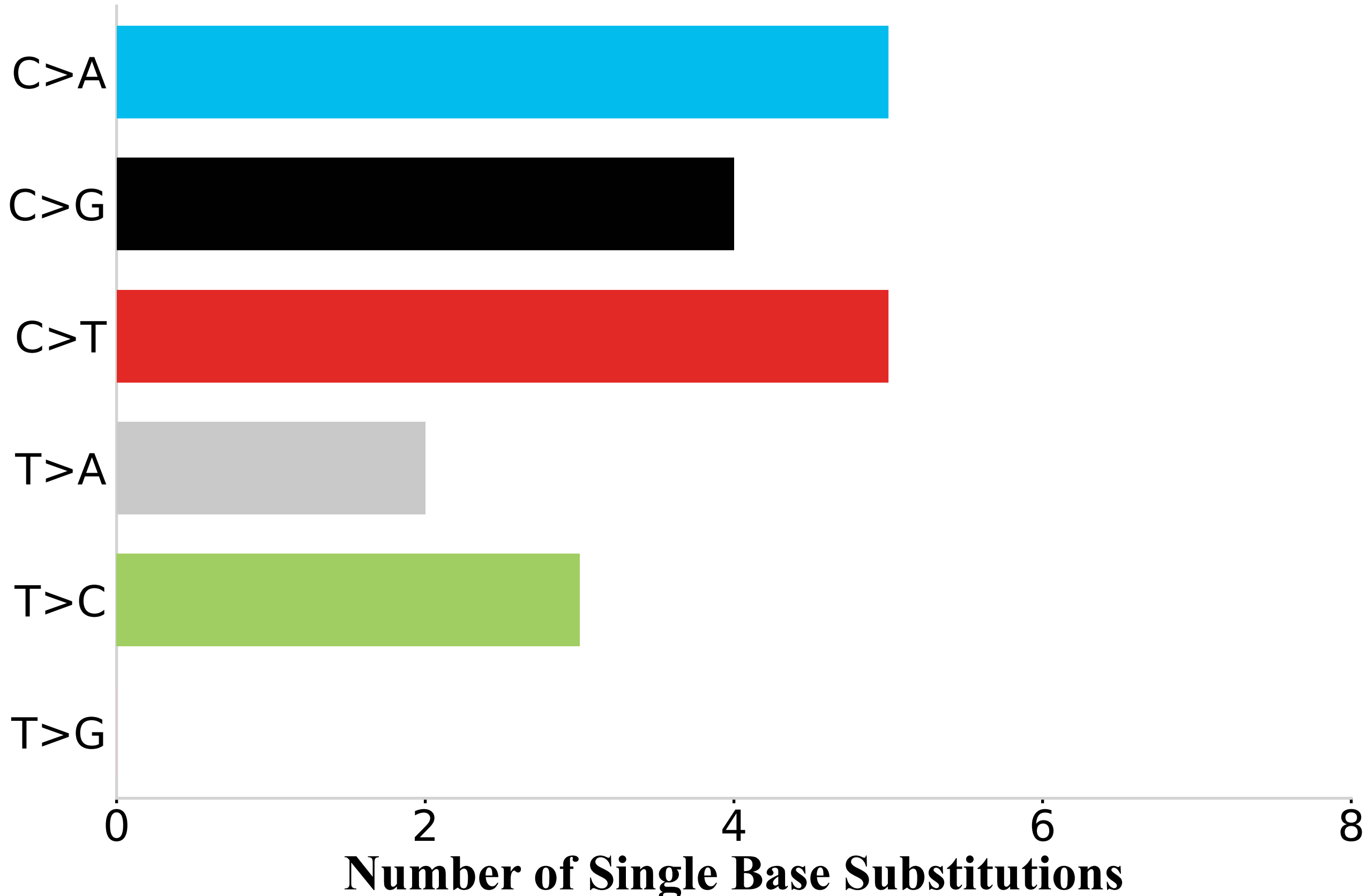
P-0016039-T01-IM6: 2 subs



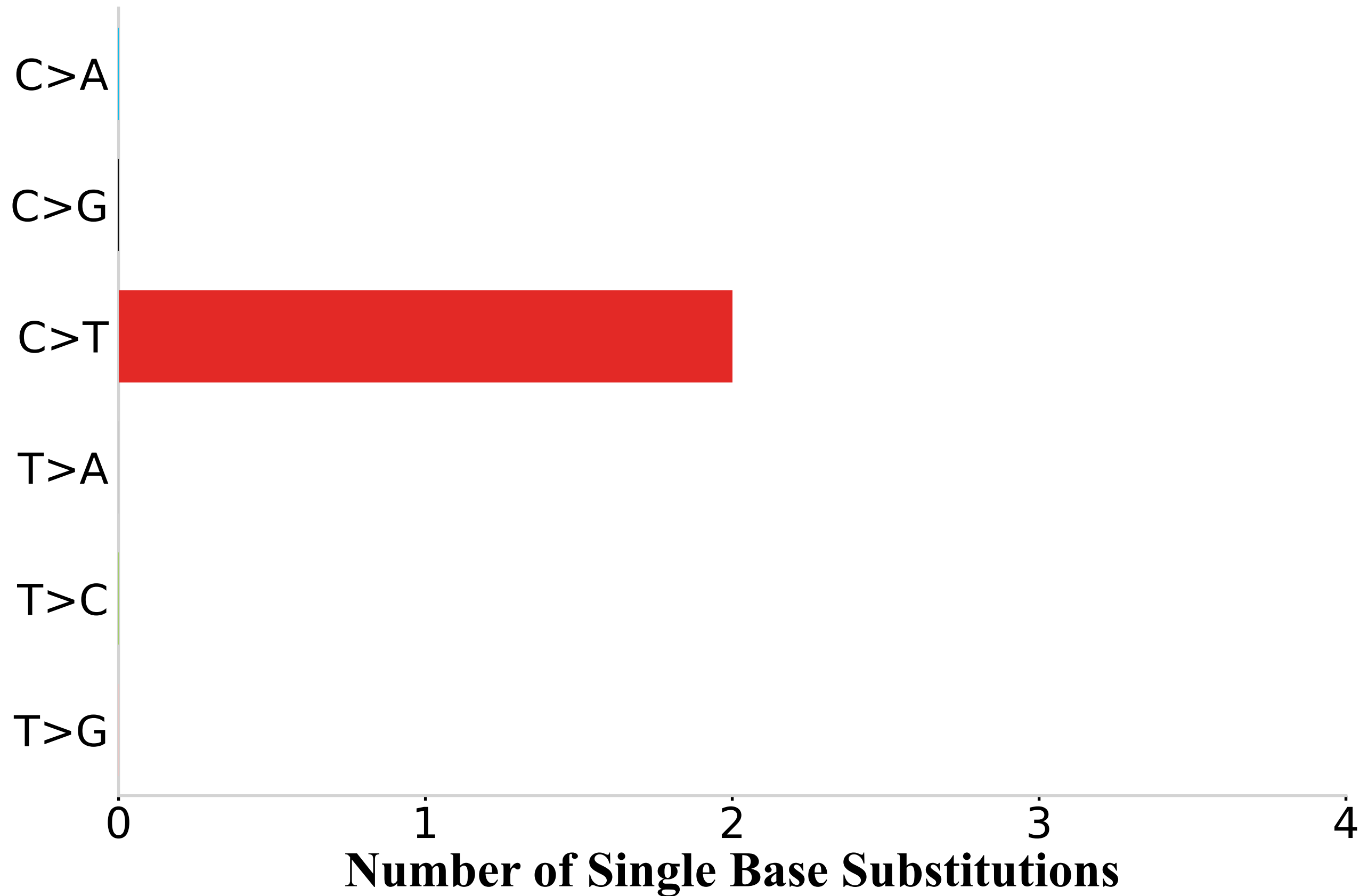
P-0016062-T01-IM6: 10 subs



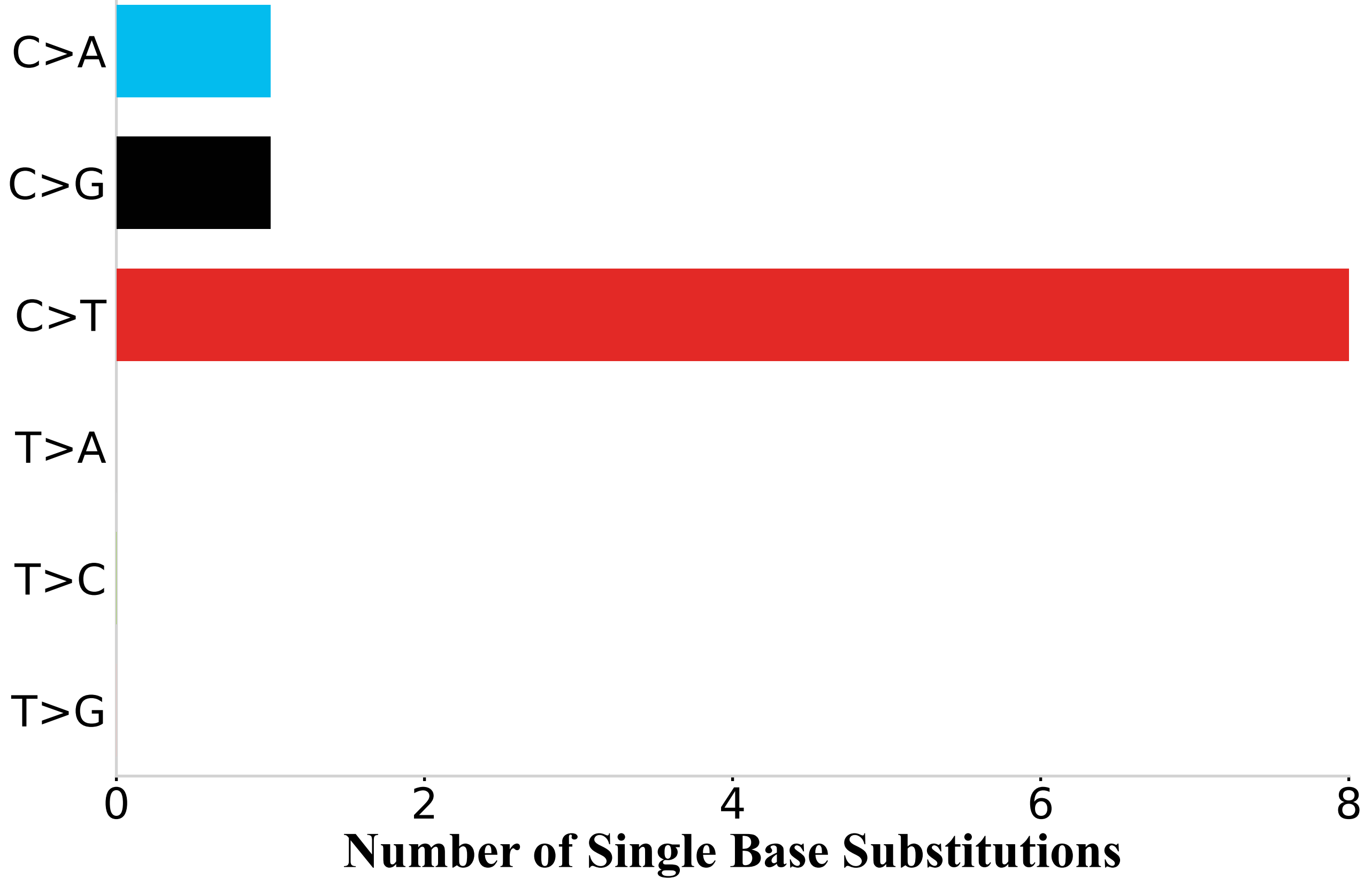
P-0016095-T01-IM6: 19 subs



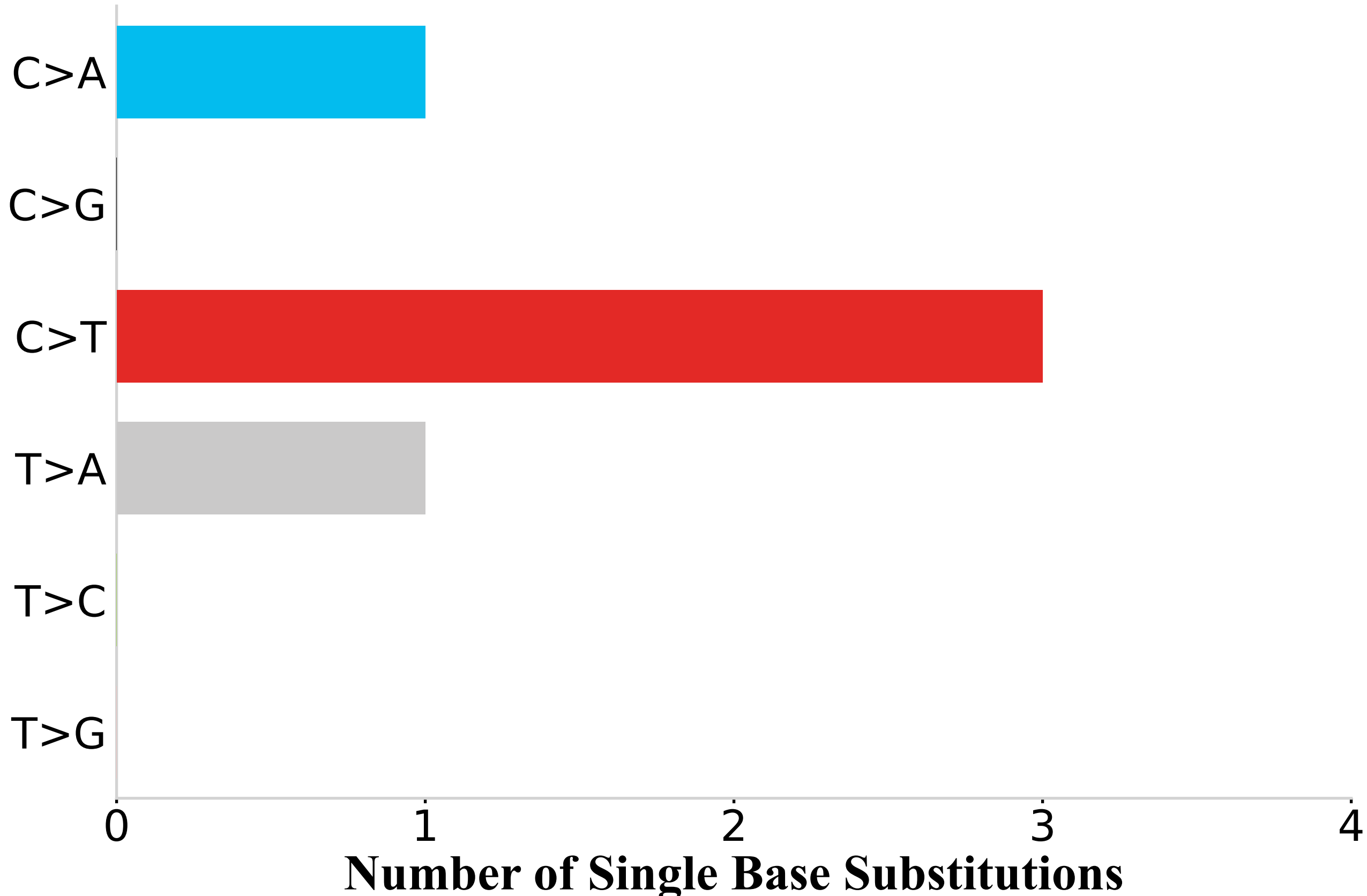
P-0016163-T01-IM6: 2 subs



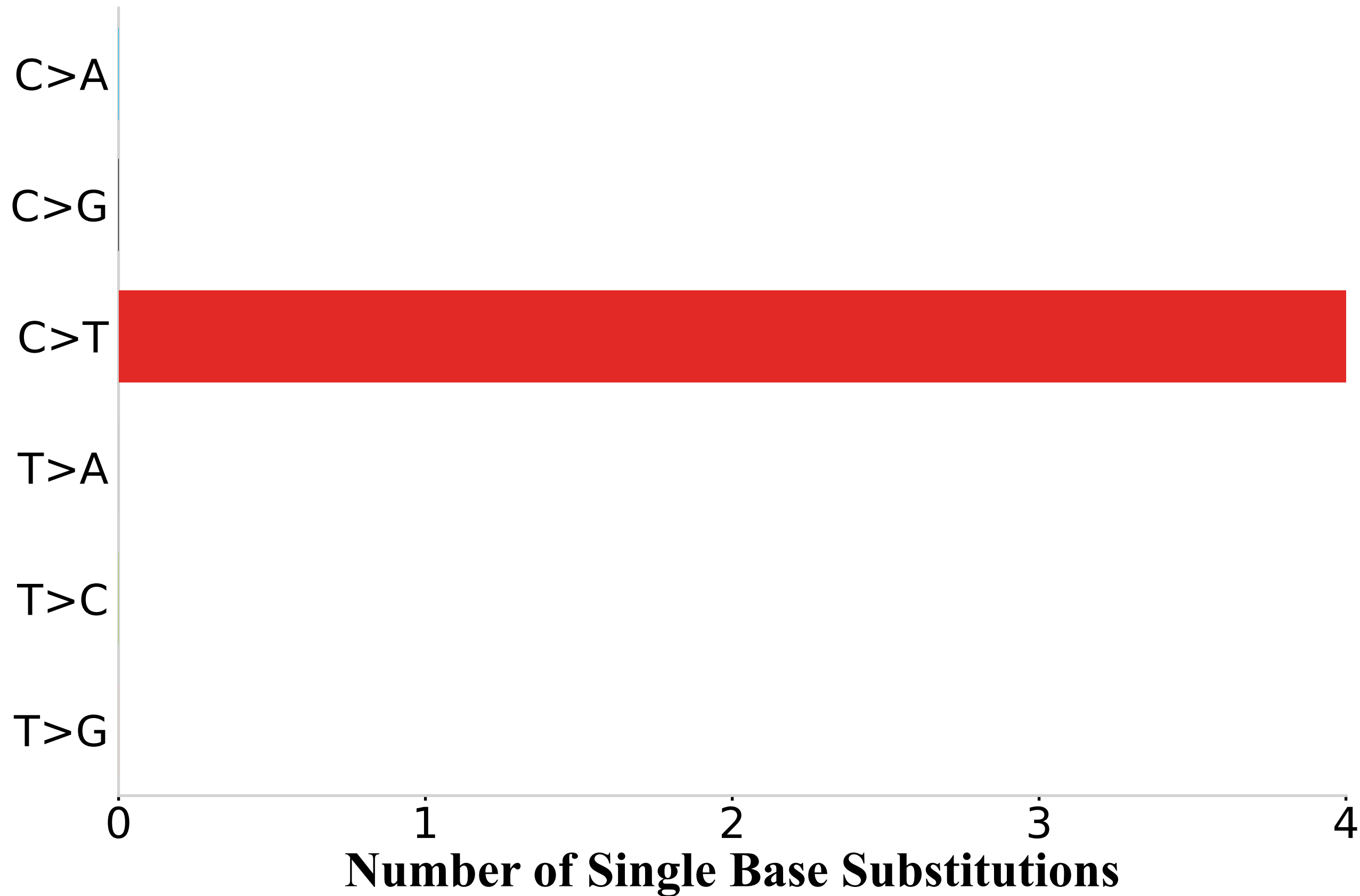
P-0016191-T01-IM6: 10 subs



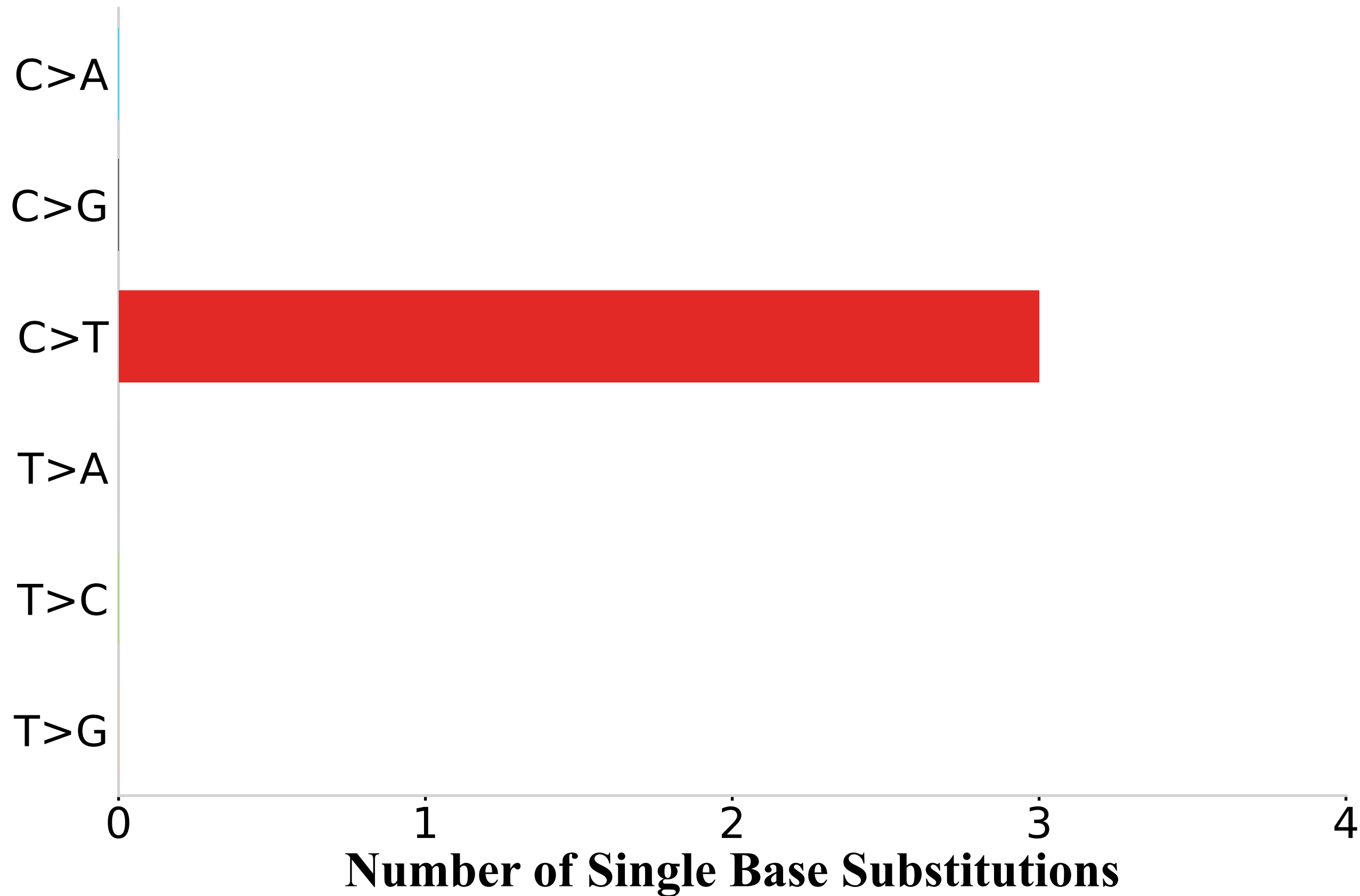
P-0016210-T01-IM6: 5 subs



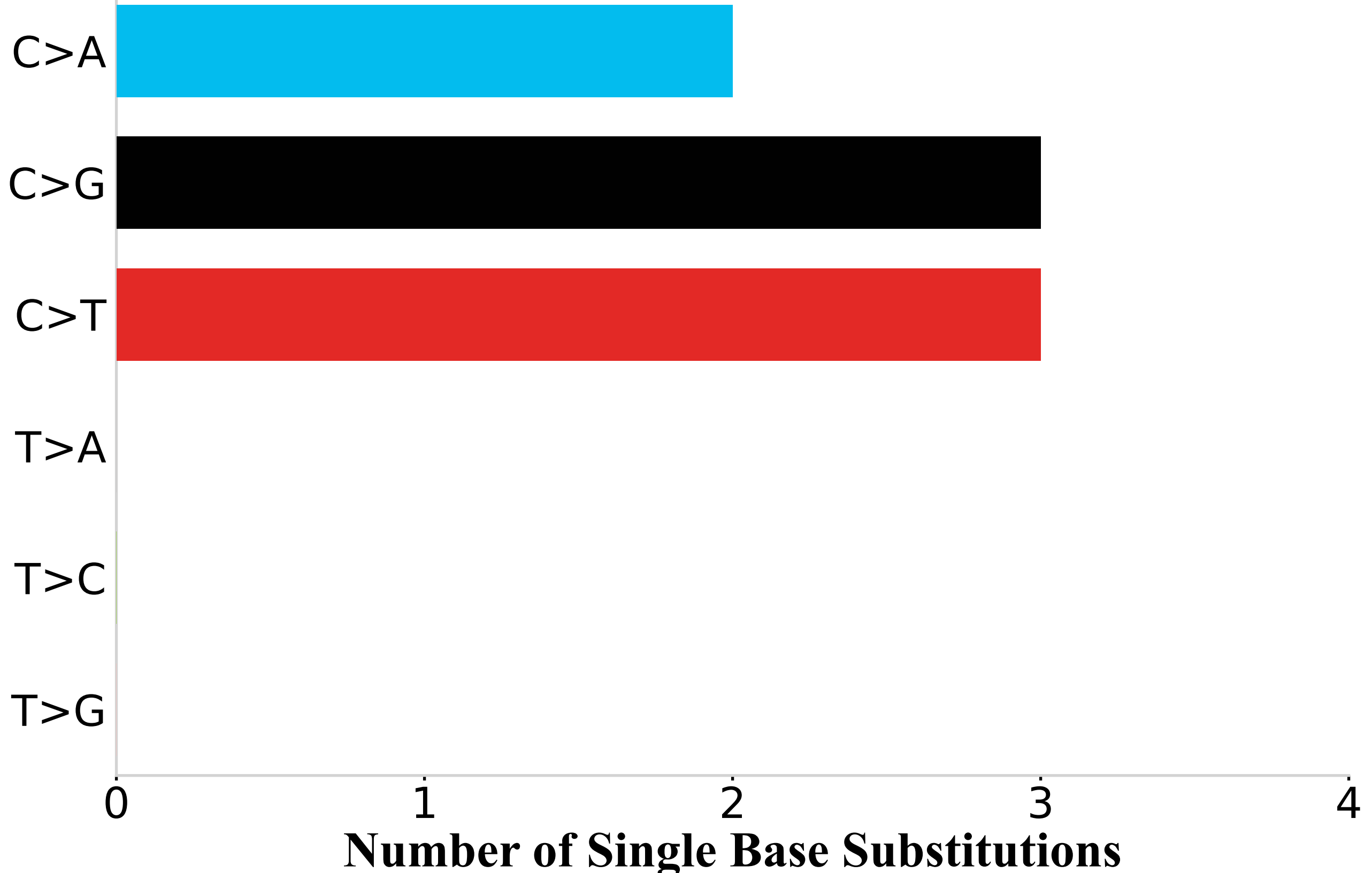
P-0016240-T01-IM6: 4 subs



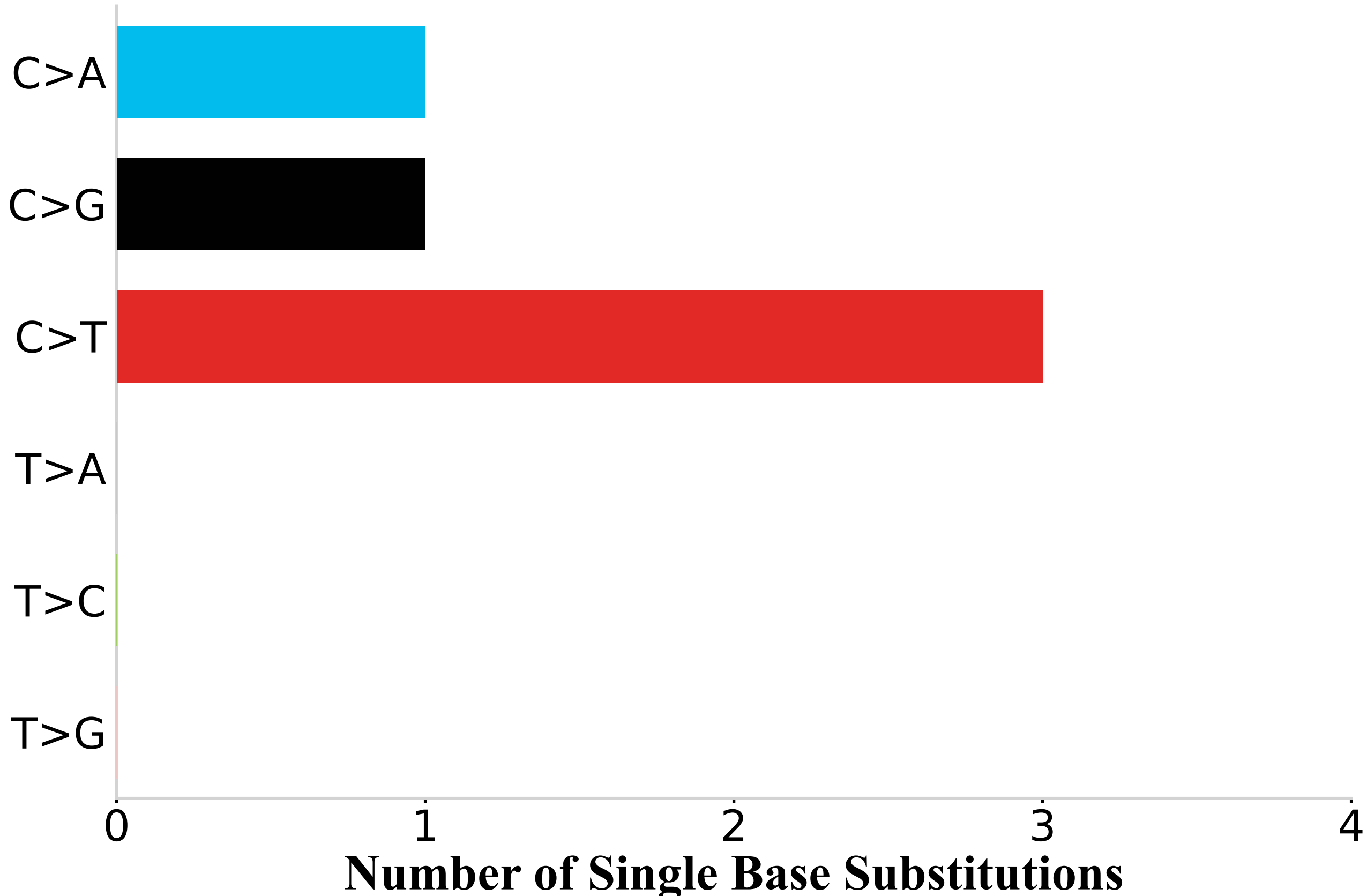
P-0016351-T01-IM6: 3 subs



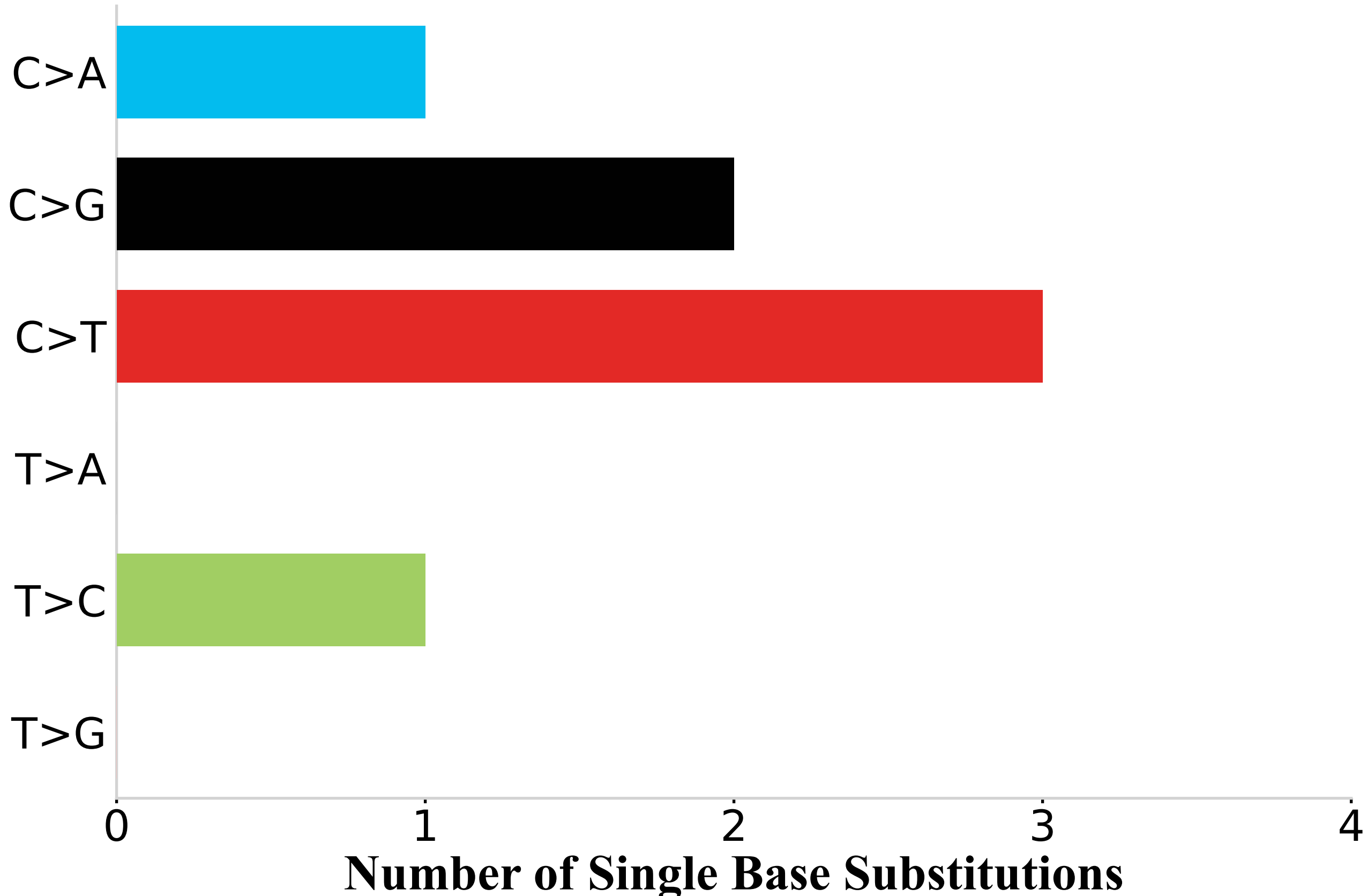
P-0016562-T01-IM6: 8 subs



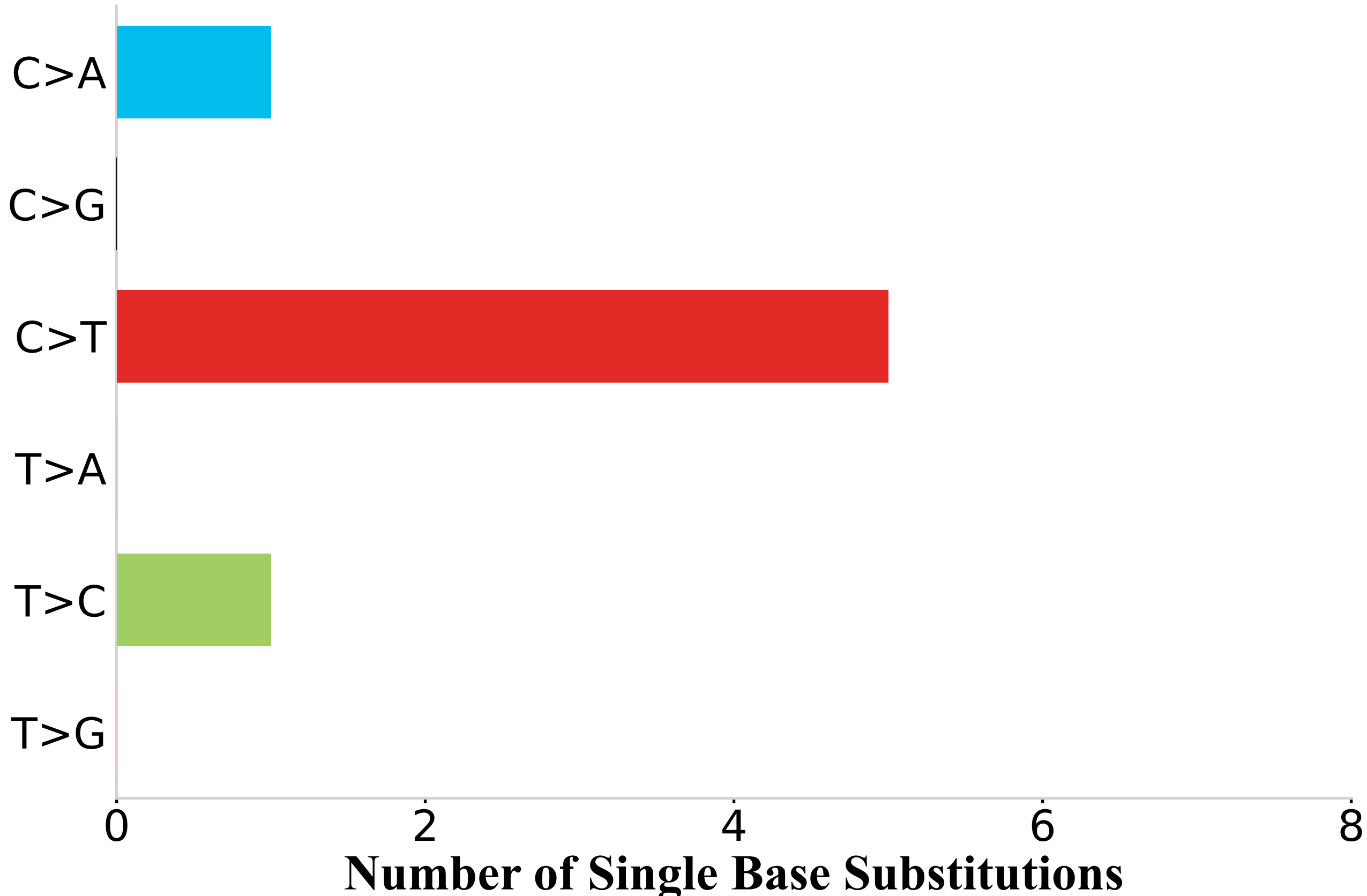
P-0016761-T01-IM6: 5 subs



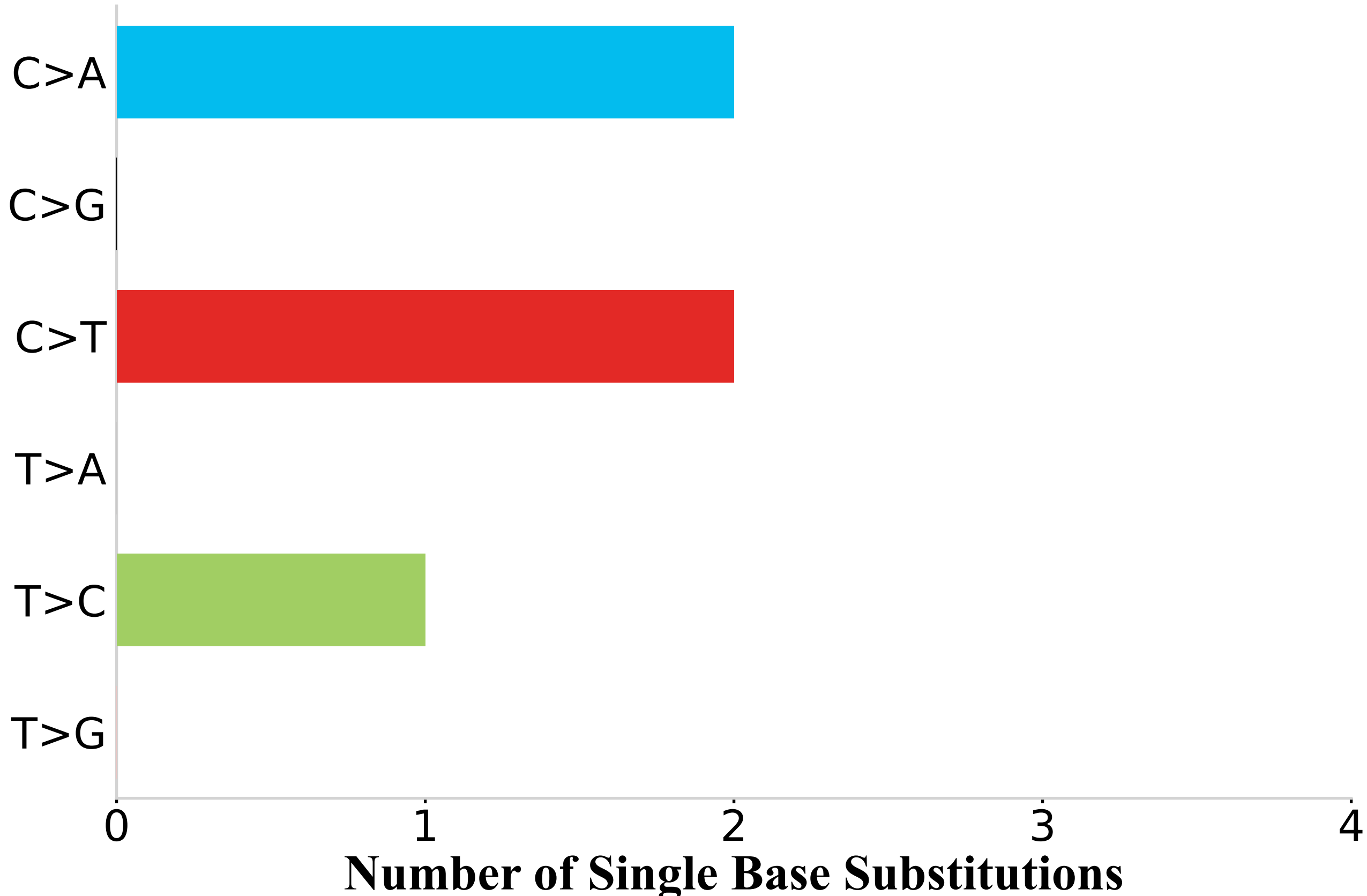
P-0016835-T01-IM6: 7 subs



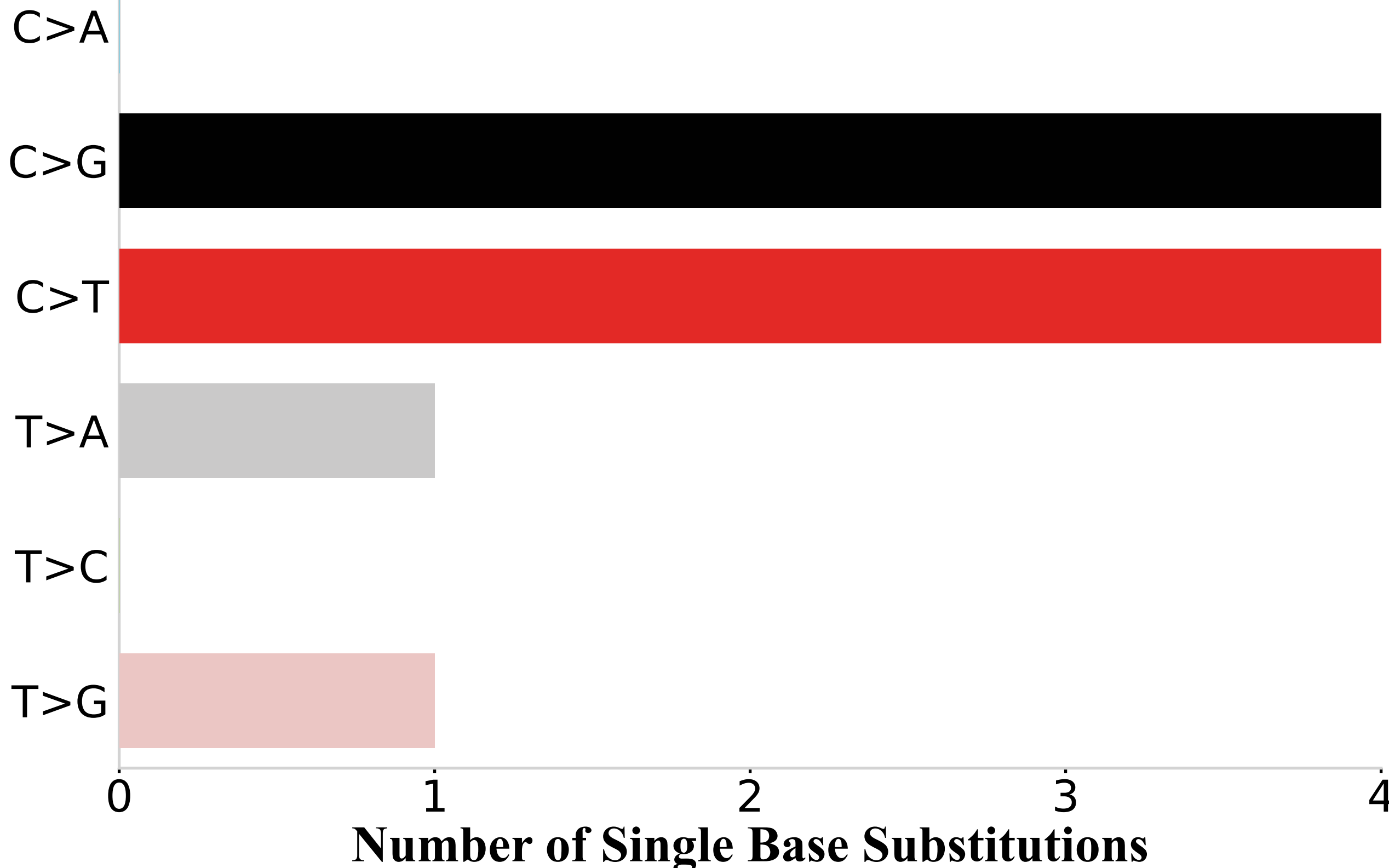
P-0017332-T01-IM6: 7 subs



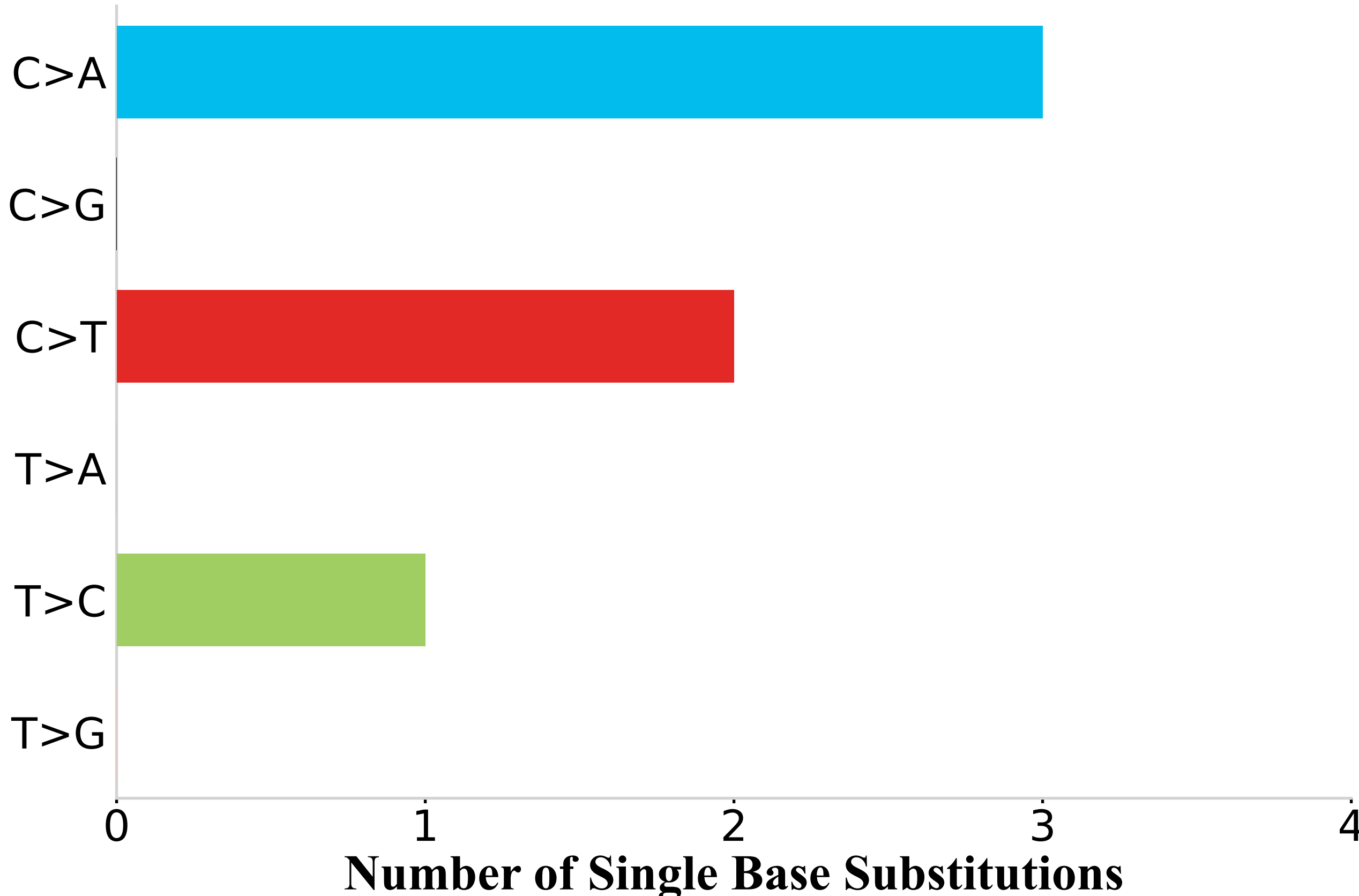
P-0017508-T01-IM6: 5 subs



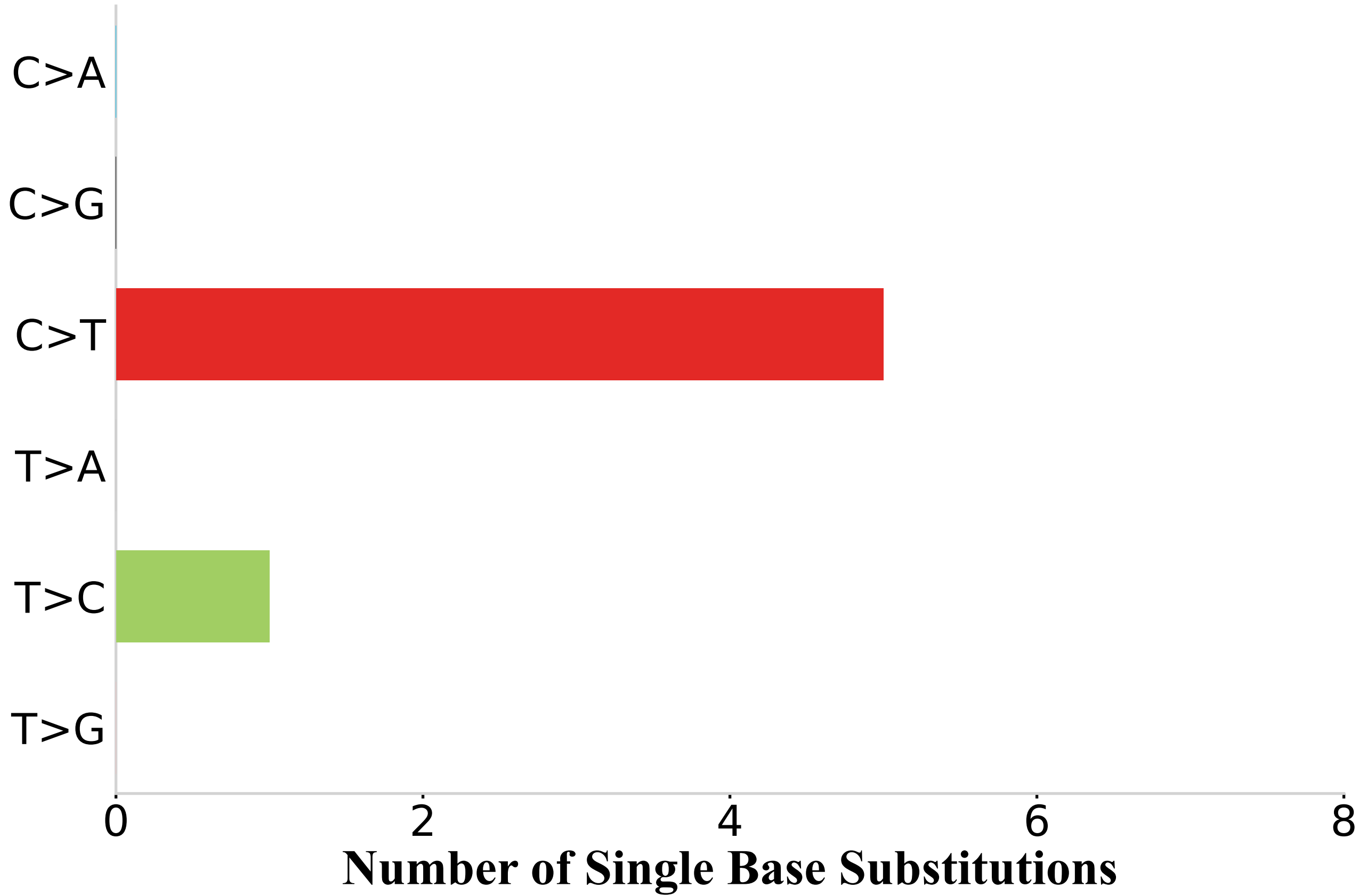
P-0017678-T01-IM6: 10 subs



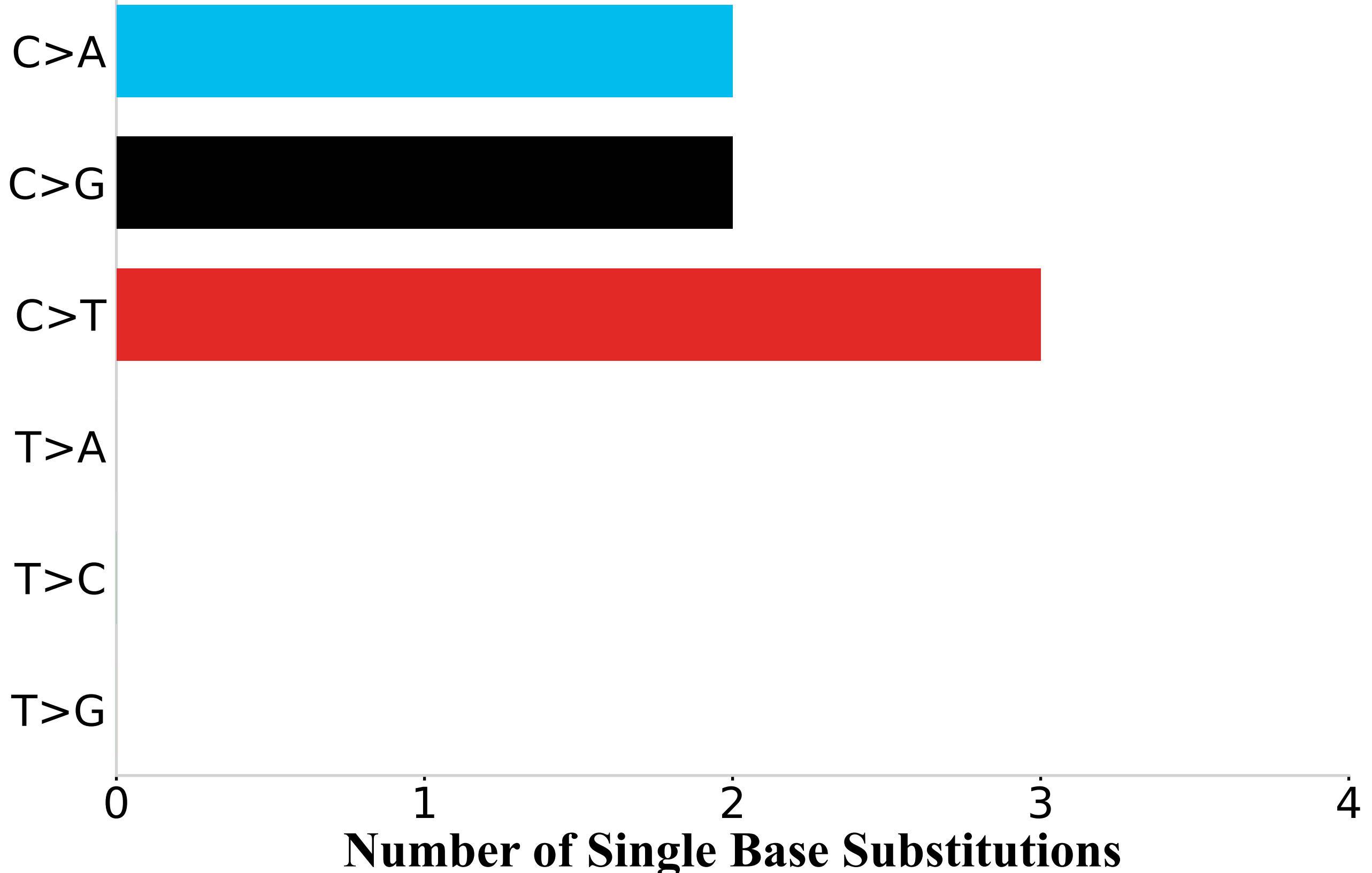
P-0017687-T01-IM6: 6 subs



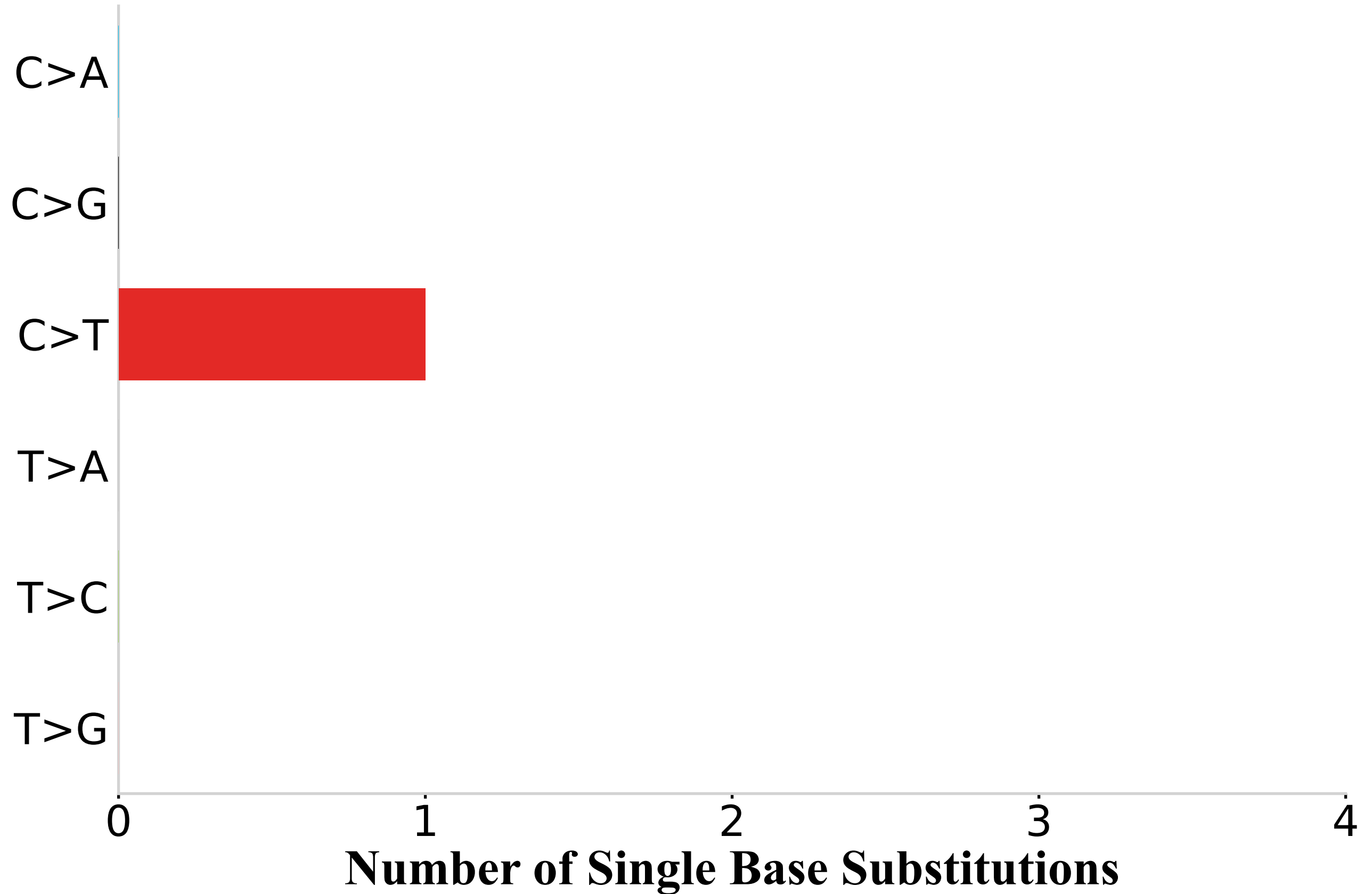
P-0017721-T01-IM6: 6 subs



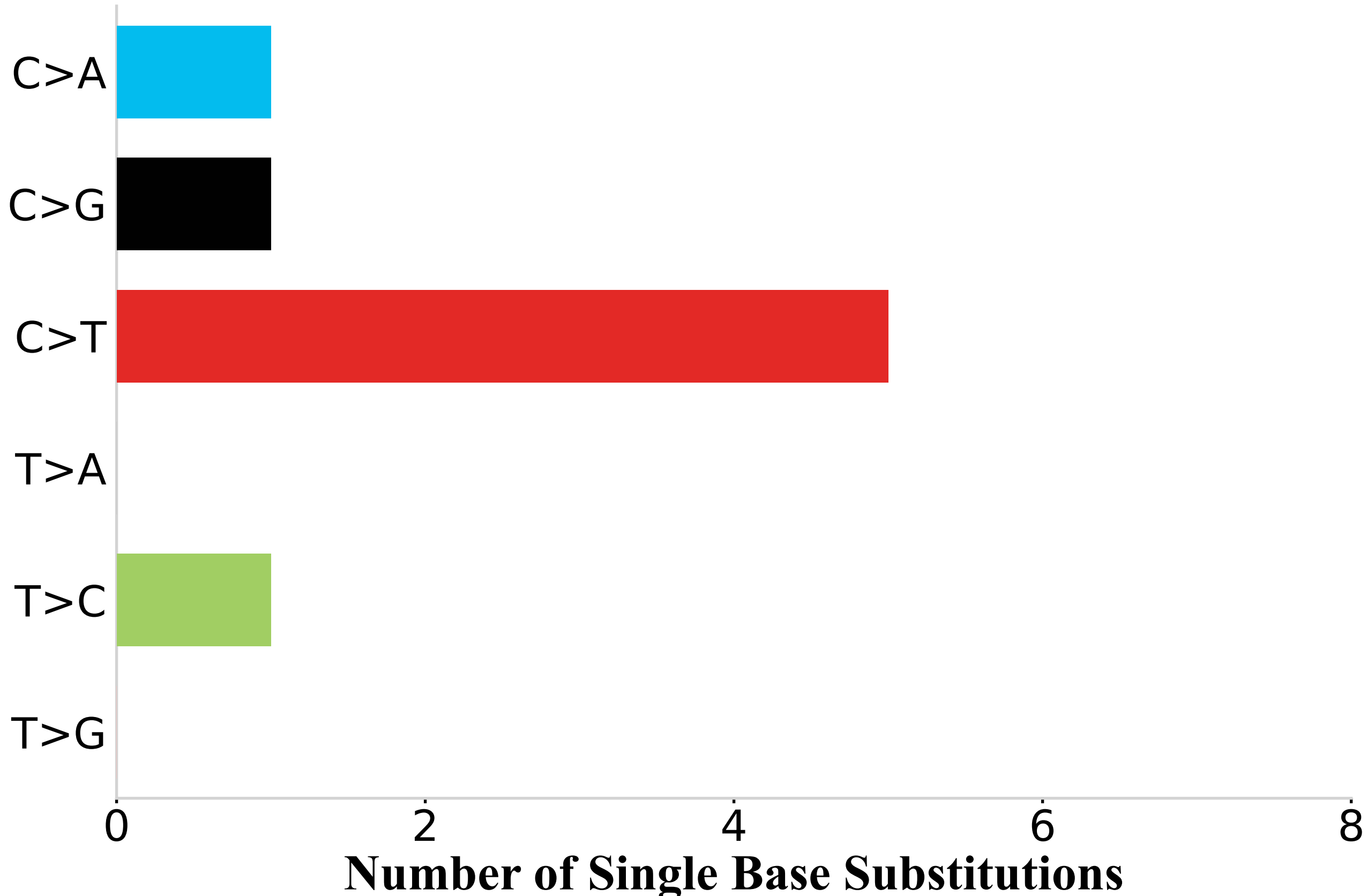
P-0017769-T01-IM6: 7 subs



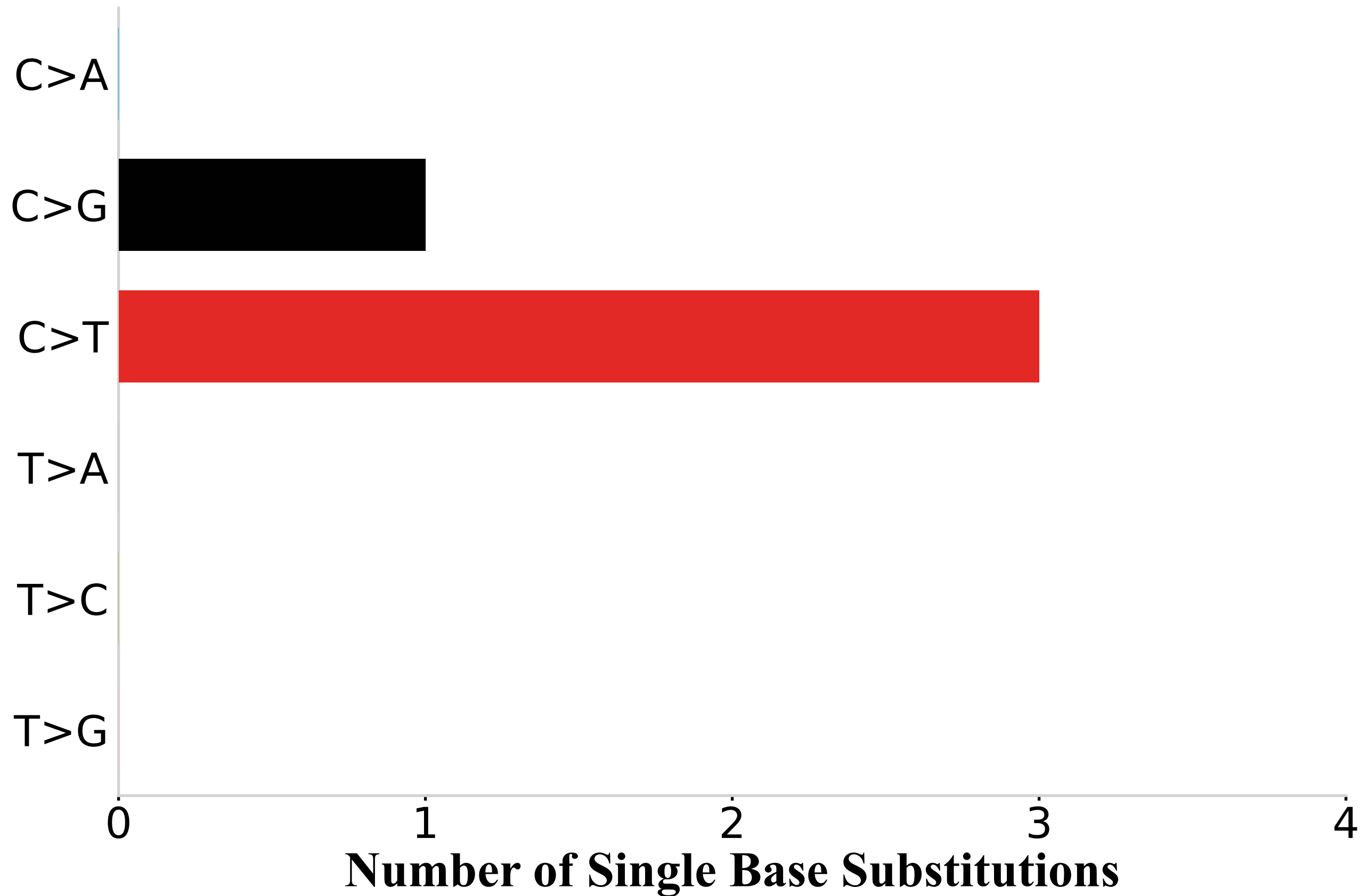
P-0017777-T01-IM6: 1 subs



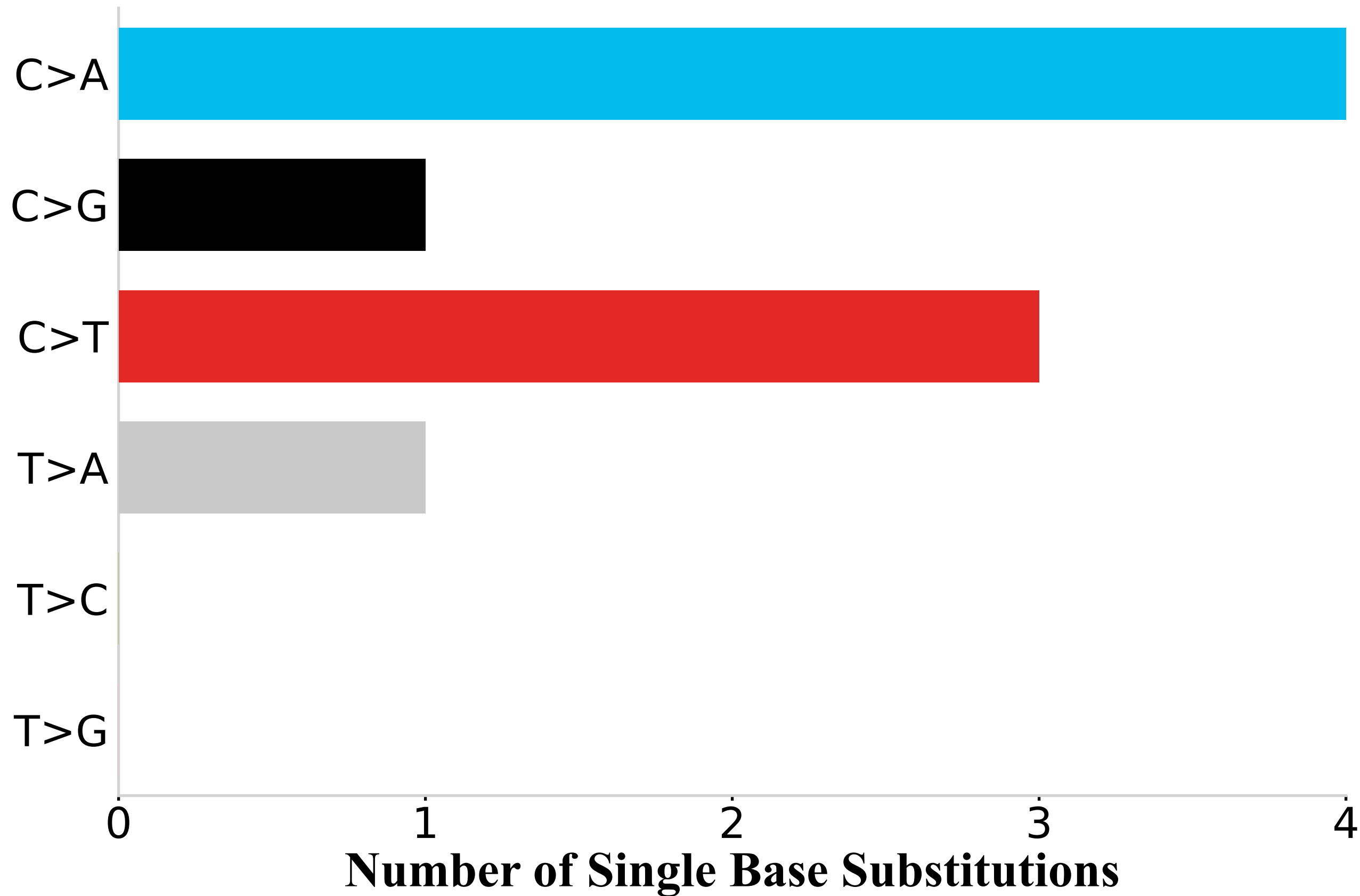
P-0017916-T01-IM6: 8 subs



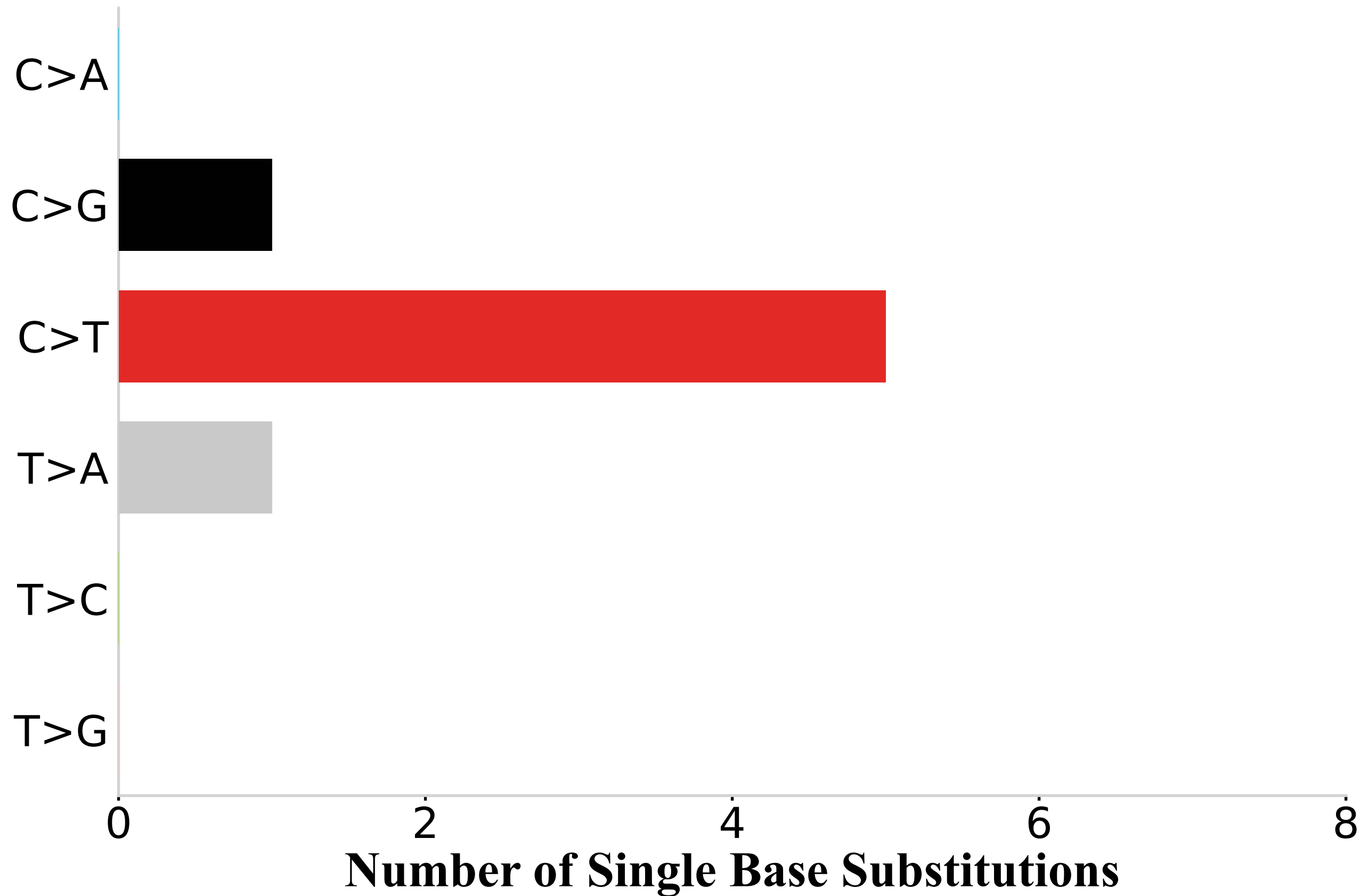
P-0018185-T01-IM6: 4 subs



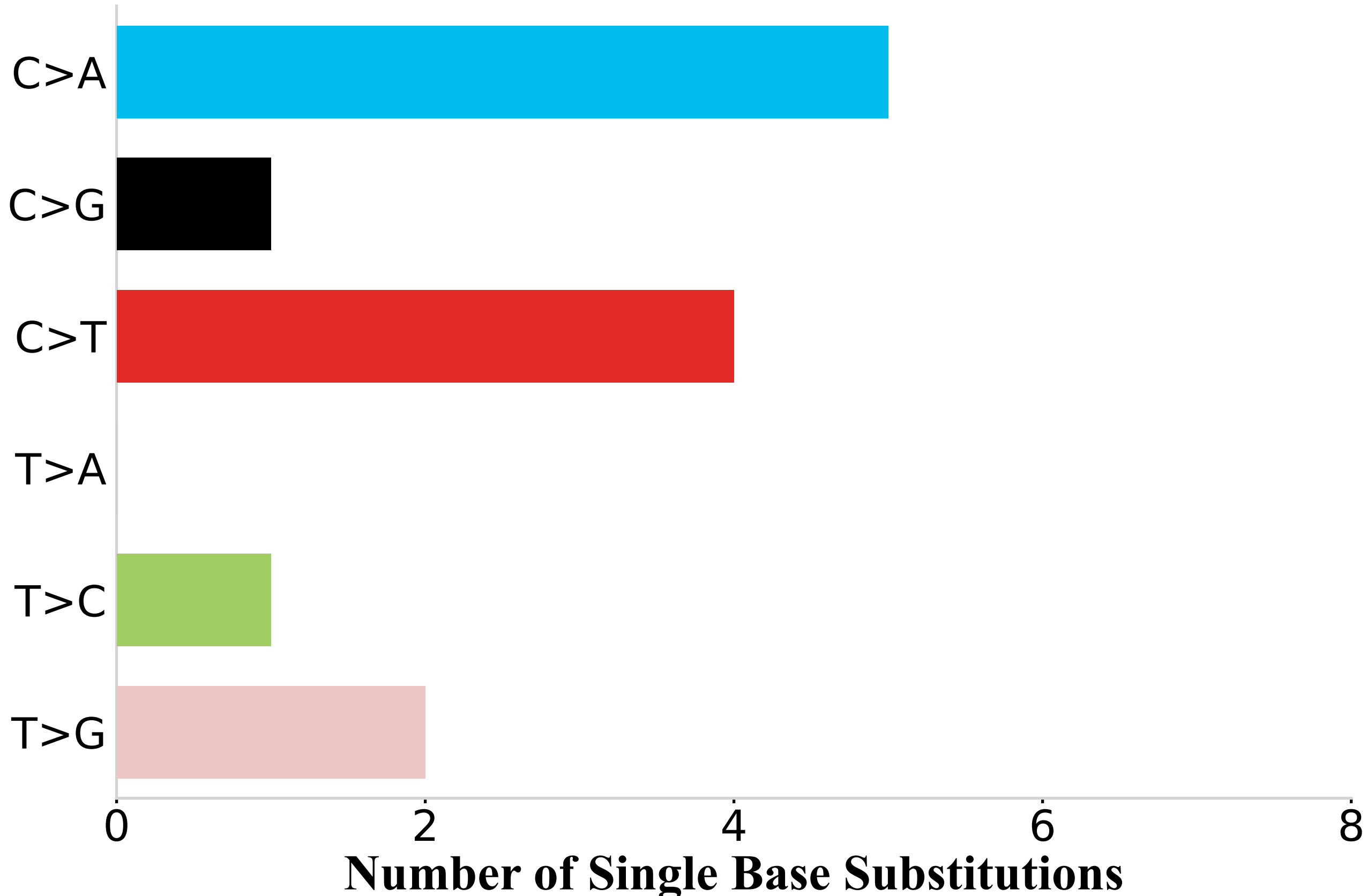
P-0018188-T01-IM6: 9 subs



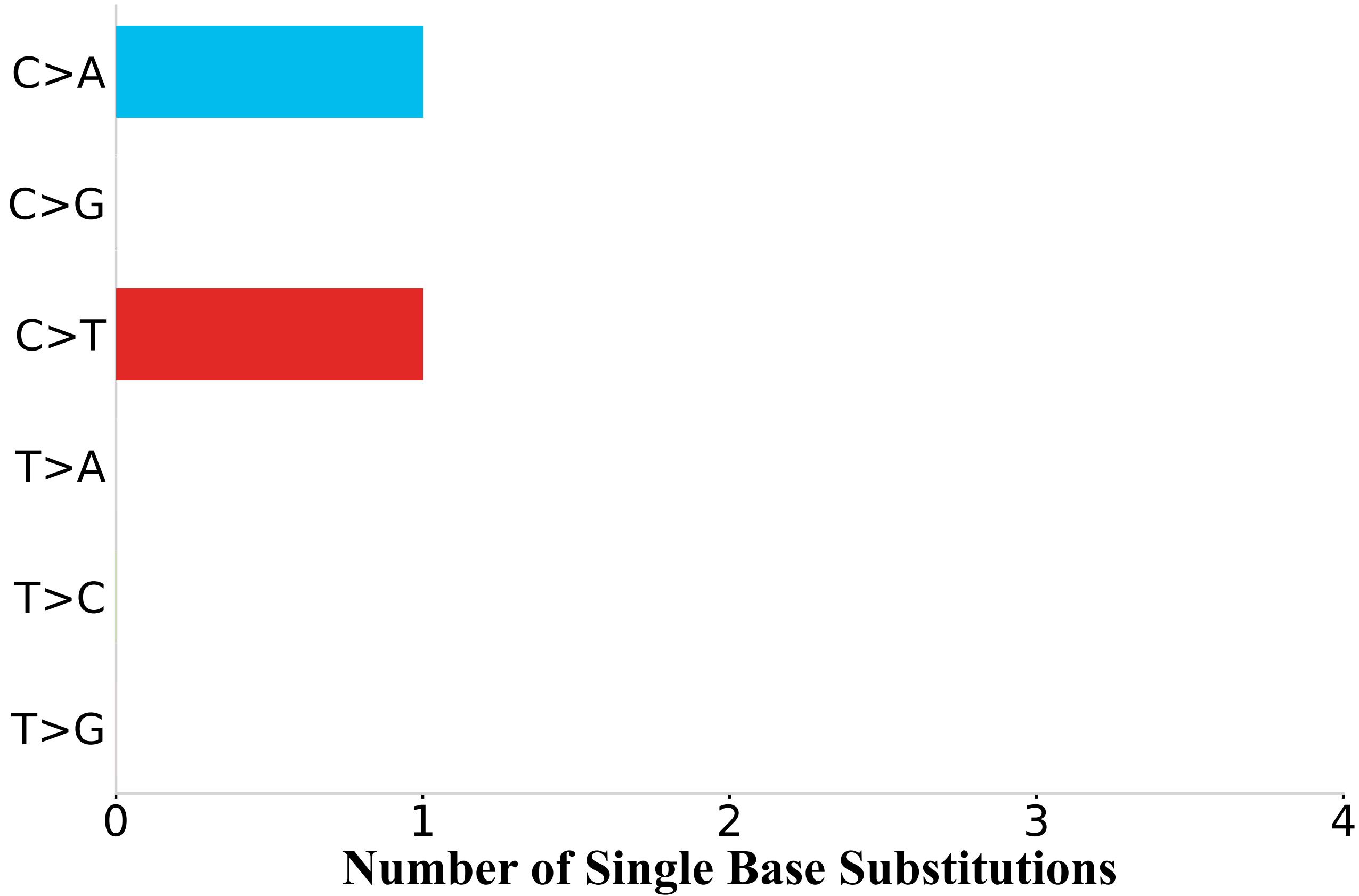
P-0018419-T01-IM6: 7 subs



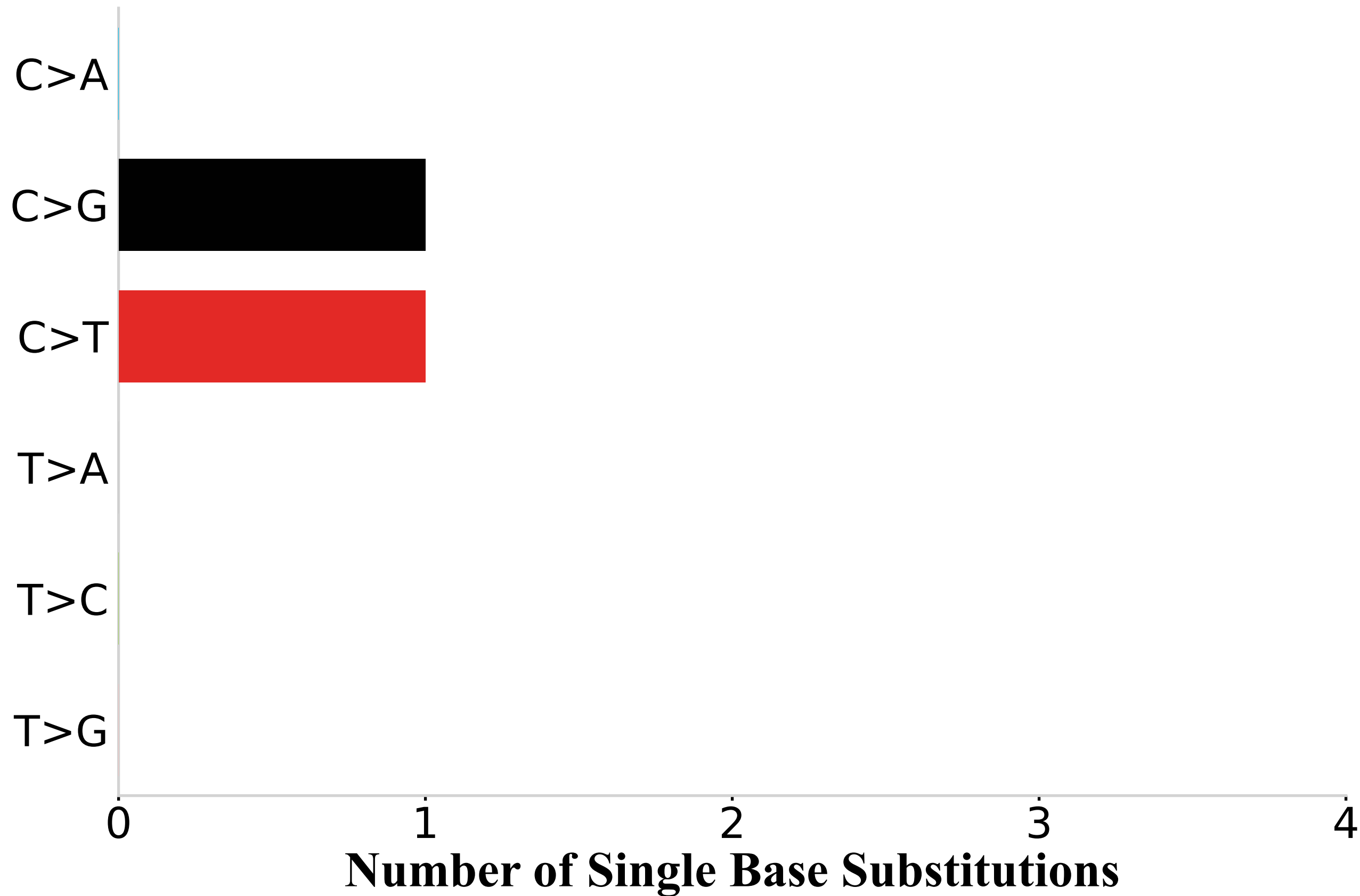
P-0018498-T01-IM6: 13 subs



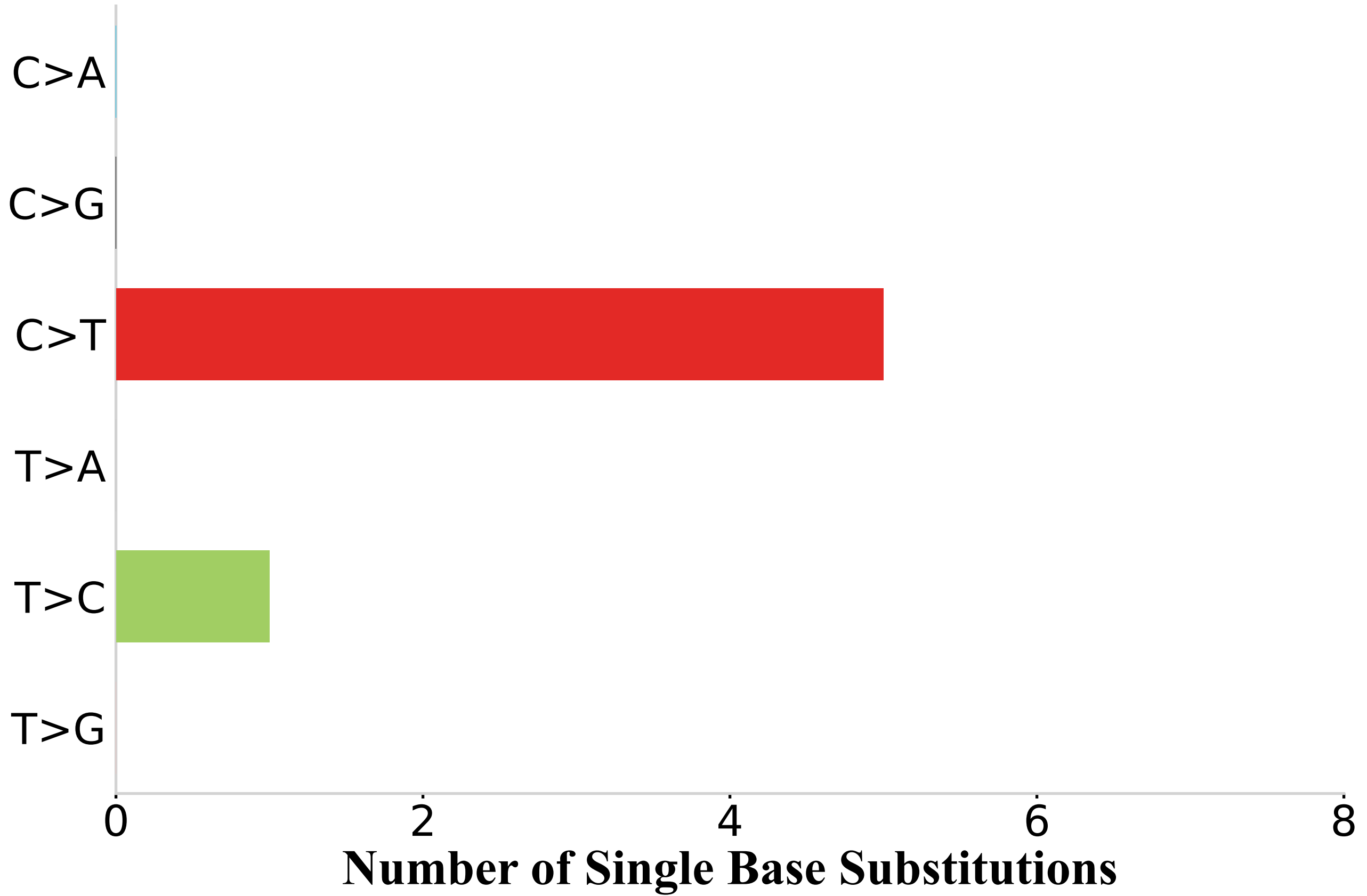
P-0018589-T01-IM6: 2 subs



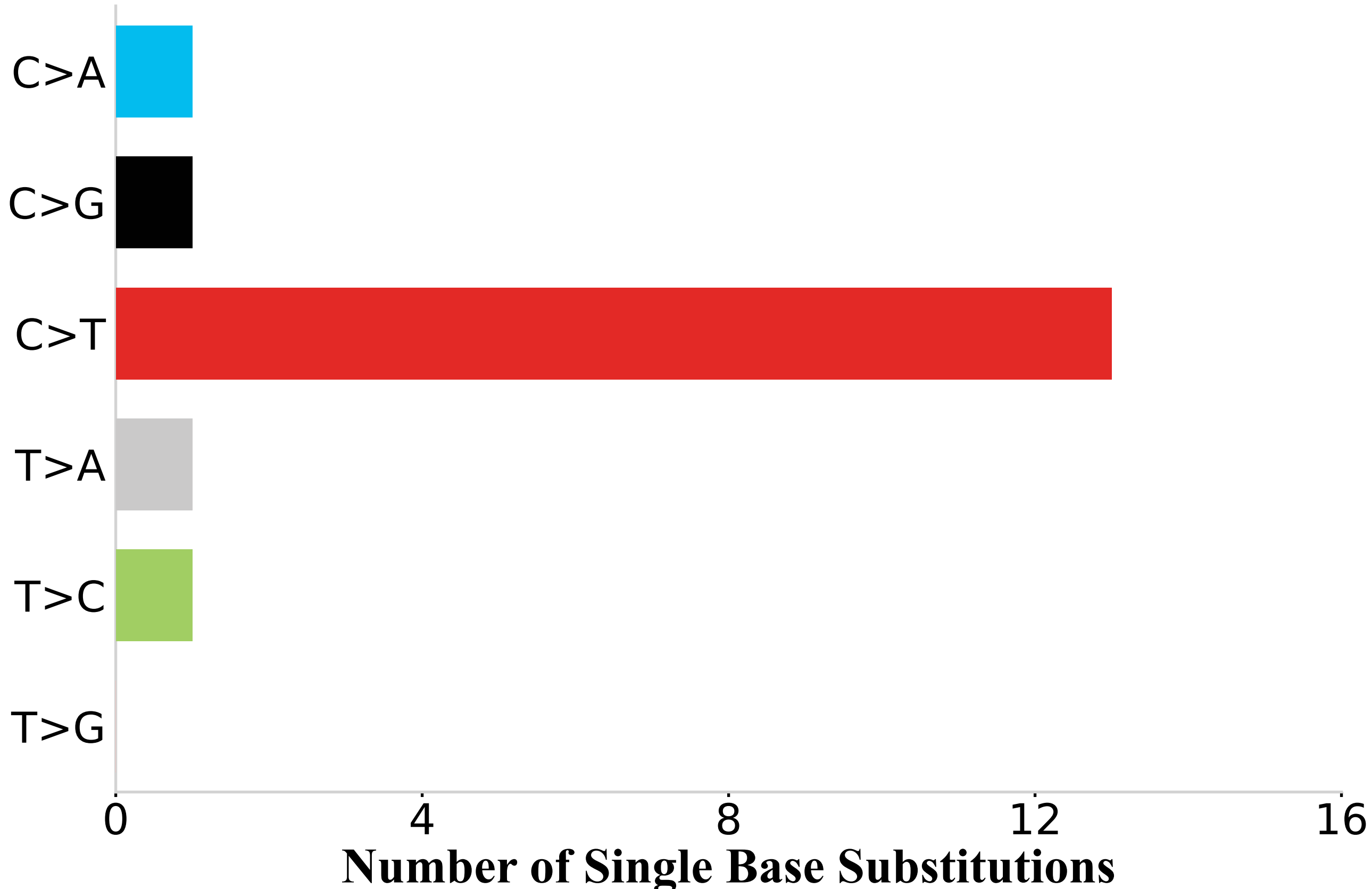
P-0018608-T01-IM6: 2 subs



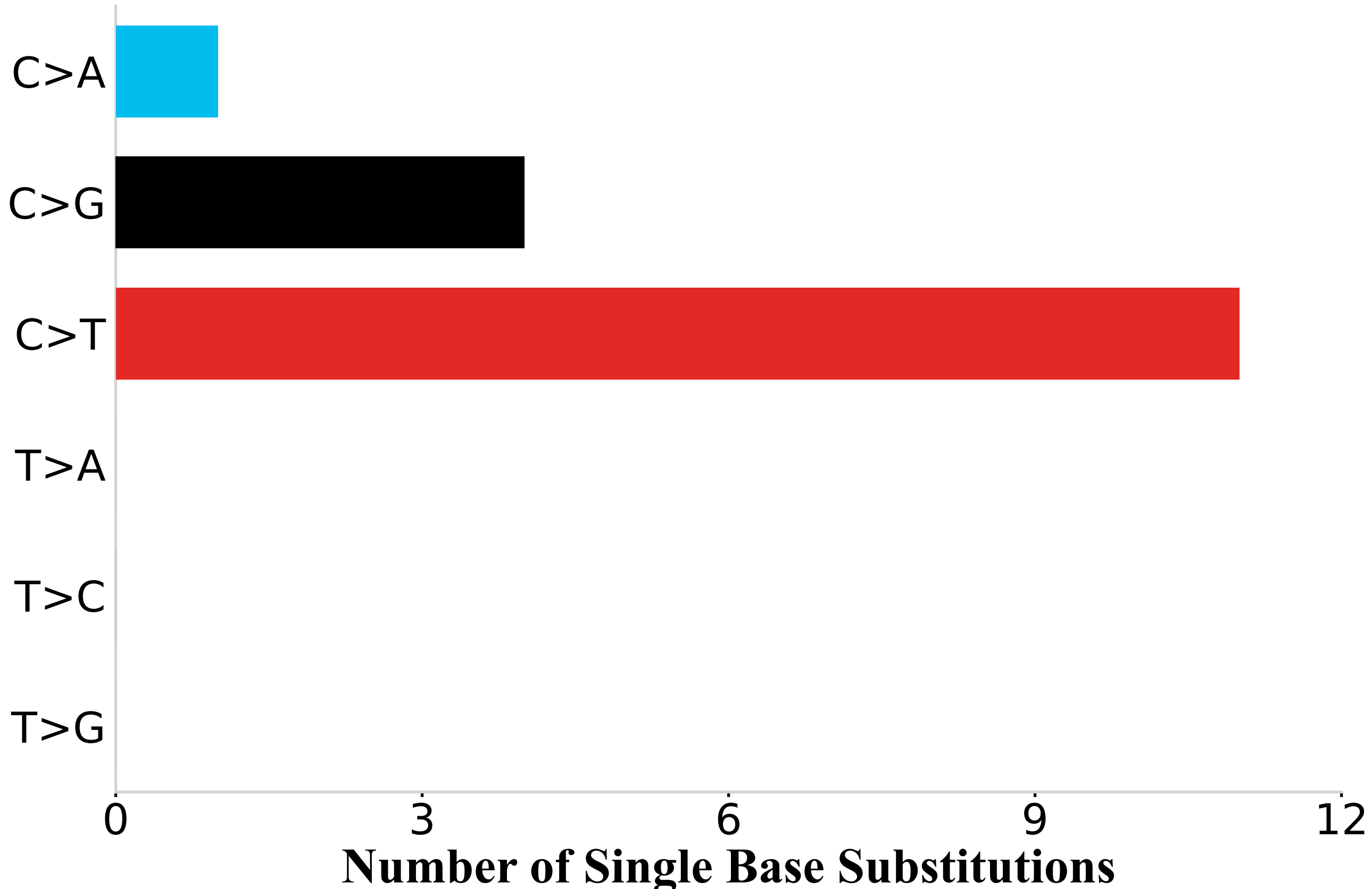
P-0018817-T01-IM6: 6 subs



P-0018925-T01-IM6: 17 subs



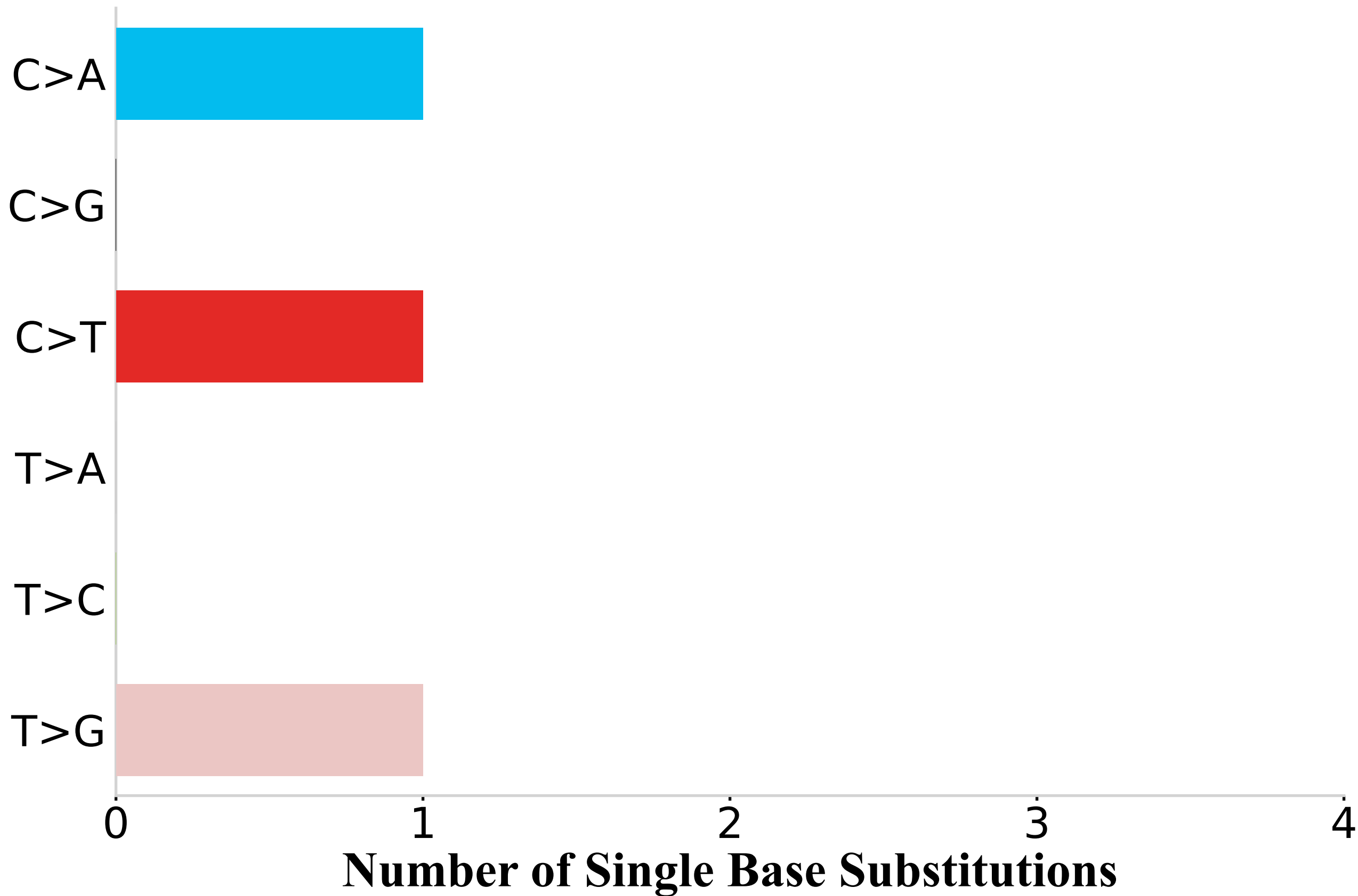
P-0019028-T01-IM6: 16 subs



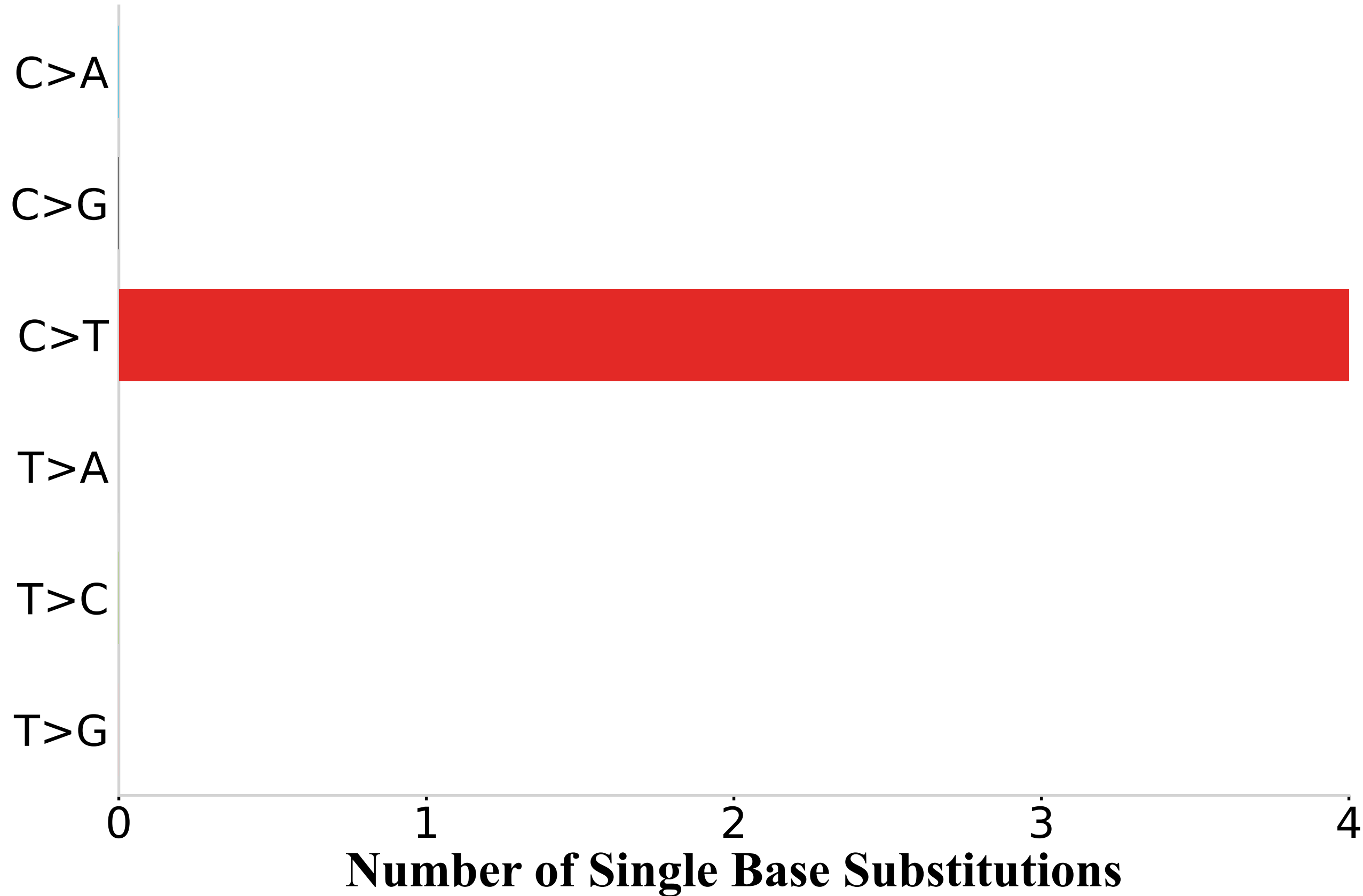
P-0019055-T01-IM6: 1 subs



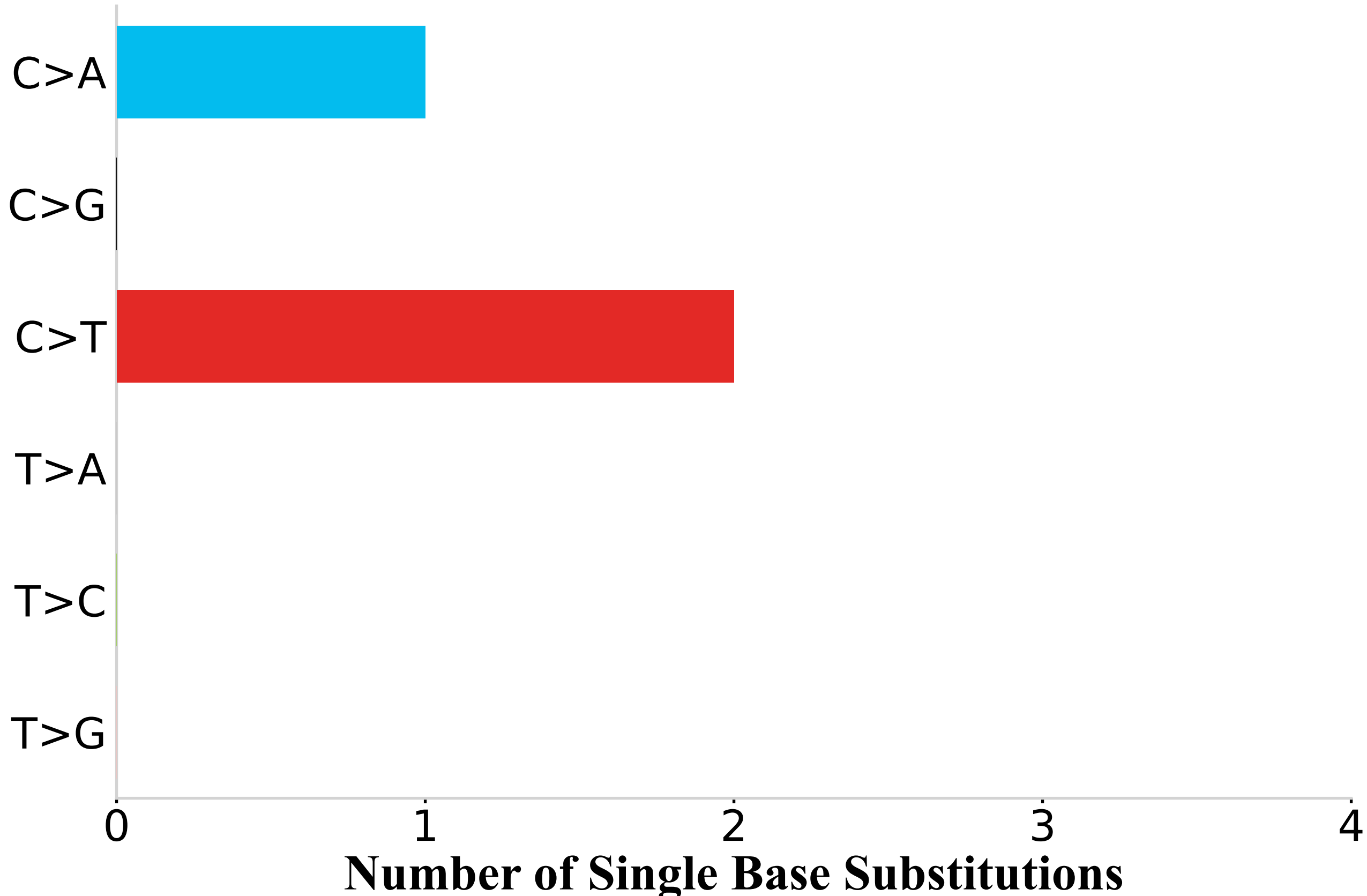
P-0019157-T02-IM6: 3 subs



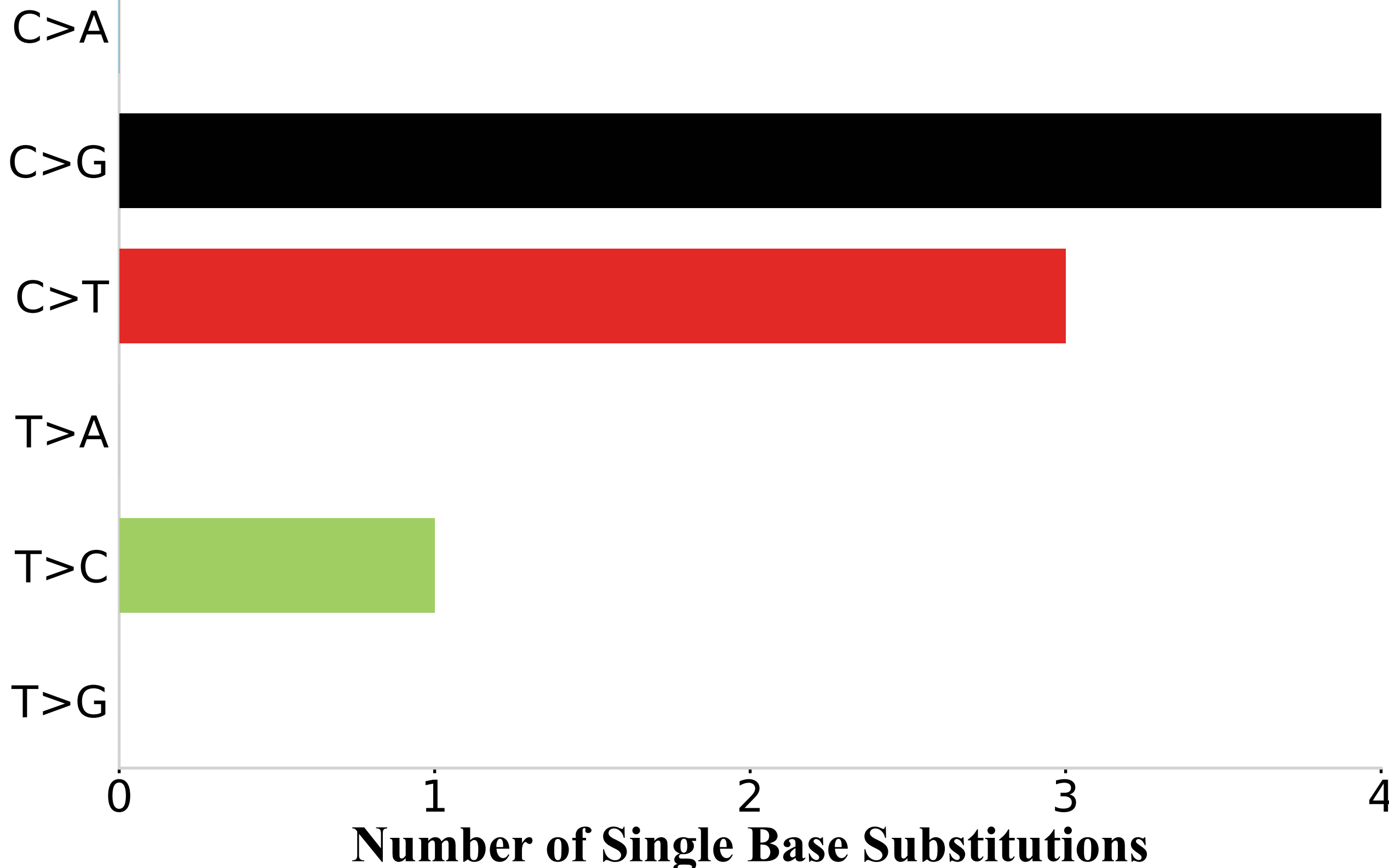
P-0019226-T01-IM6: 4 subs



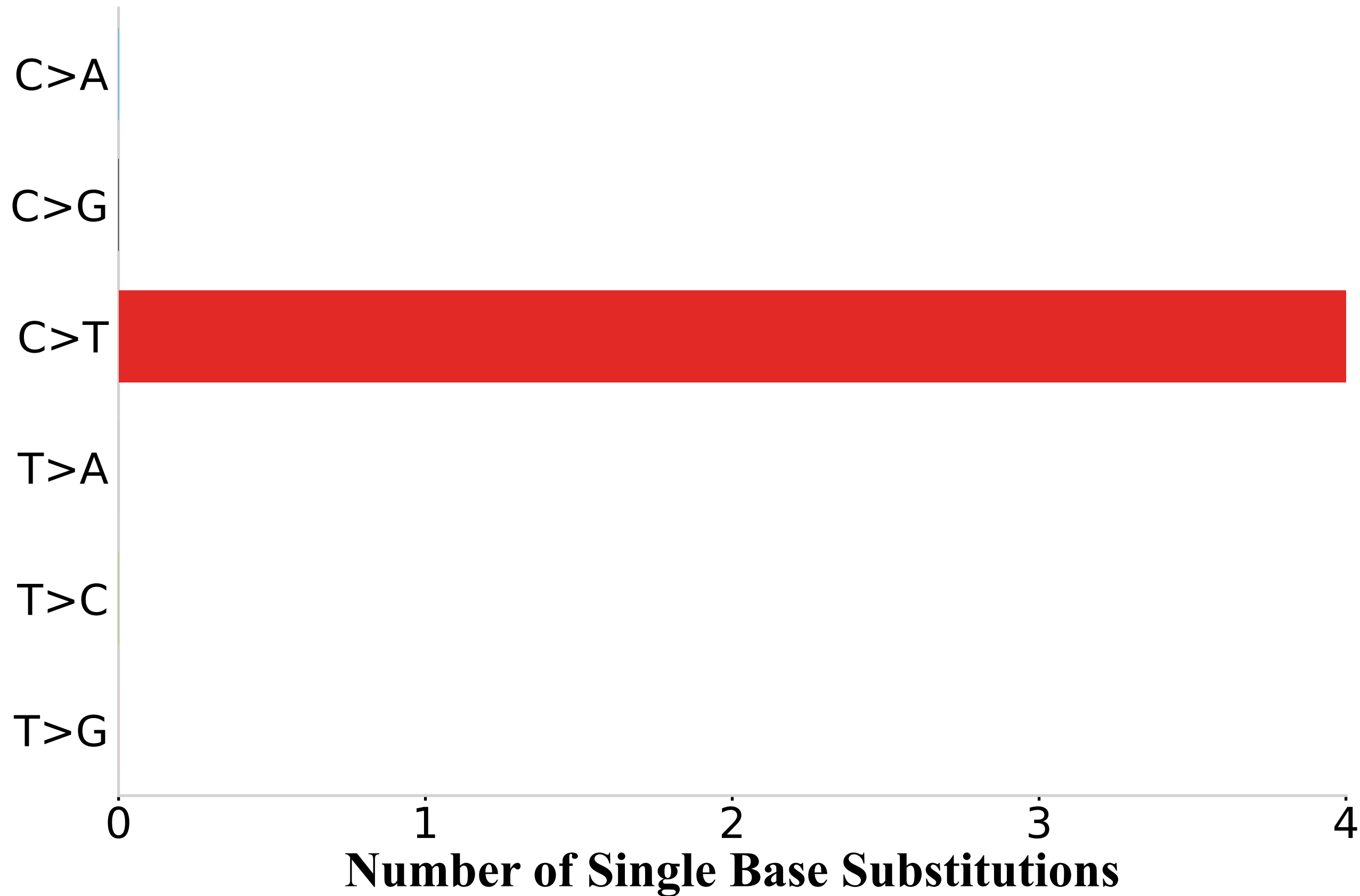
P-0019240-T01-IM6: 3 subs



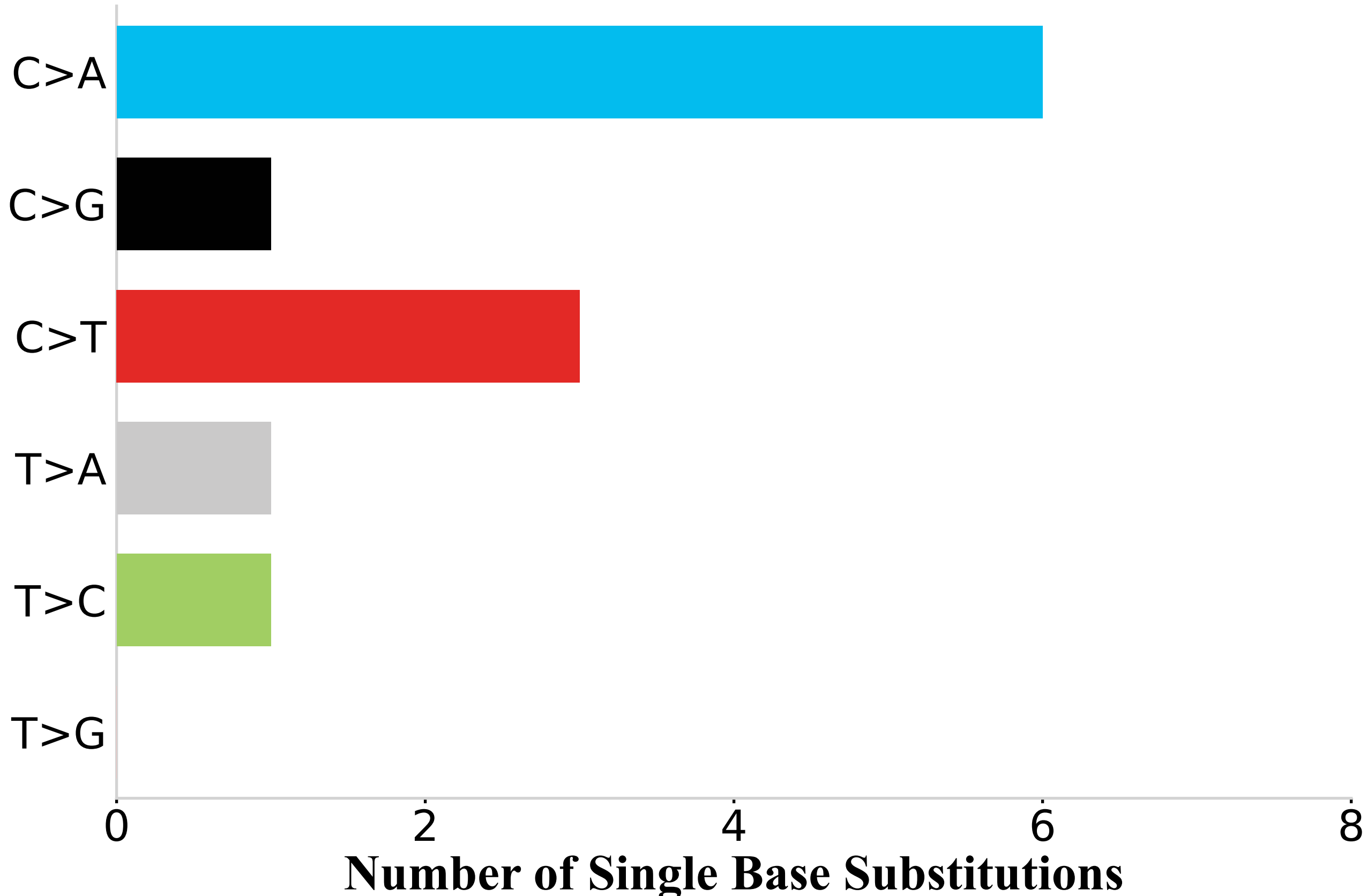
P-0019258-T01-IM6: 8 subs



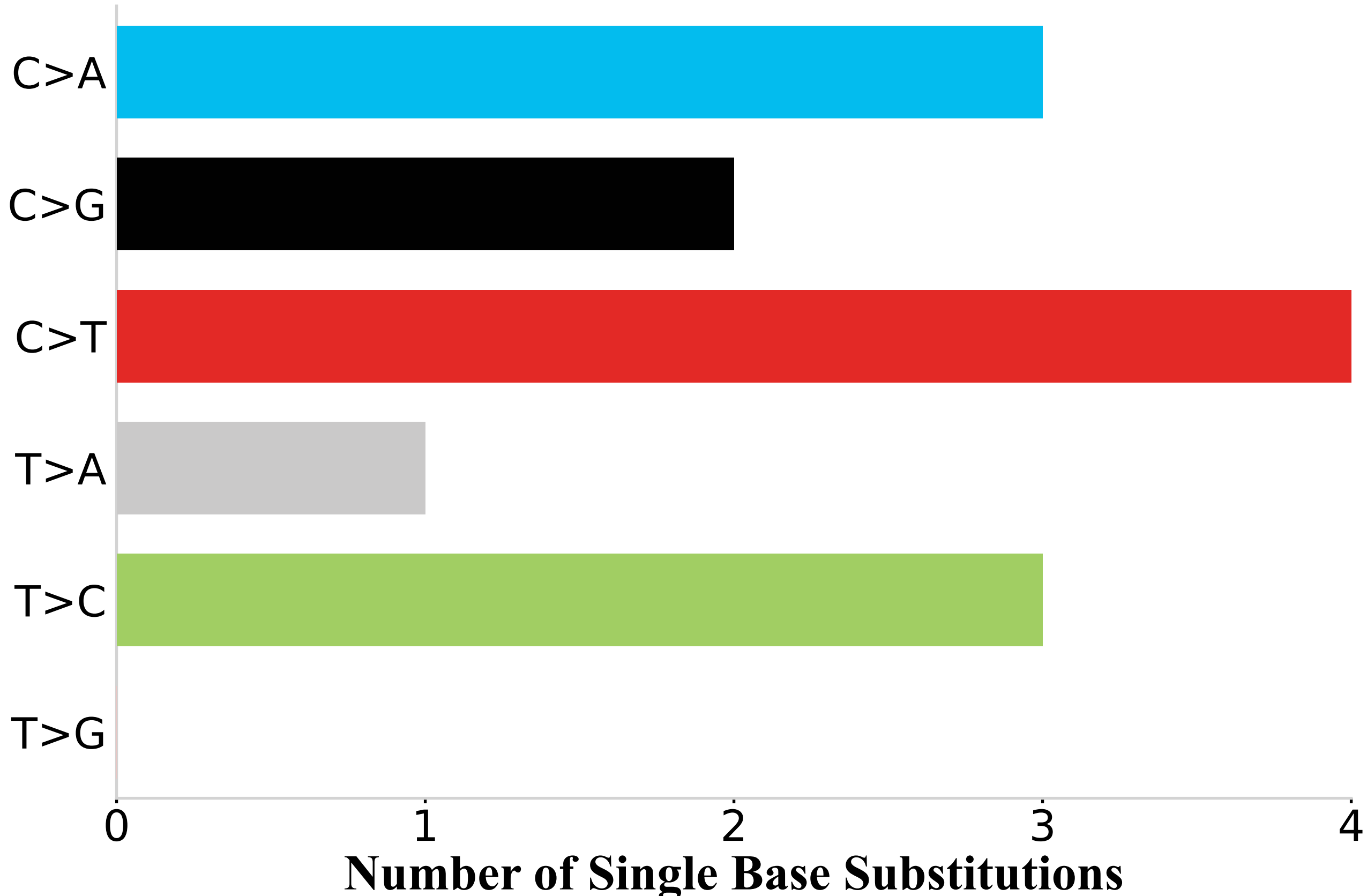
P-0019297-T01-IM6: 4 subs



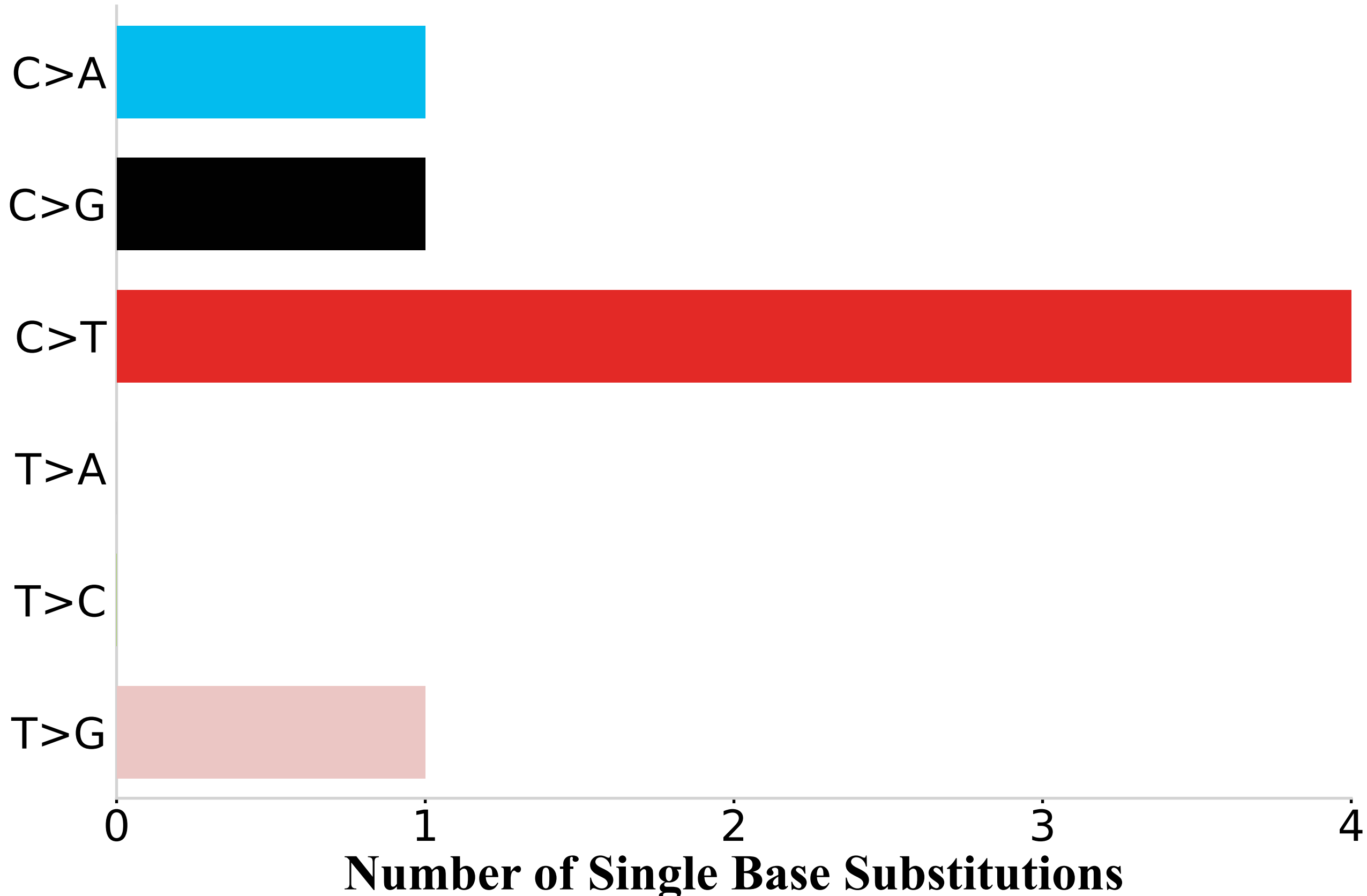
P-0019316-T01-IM6: 12 subs



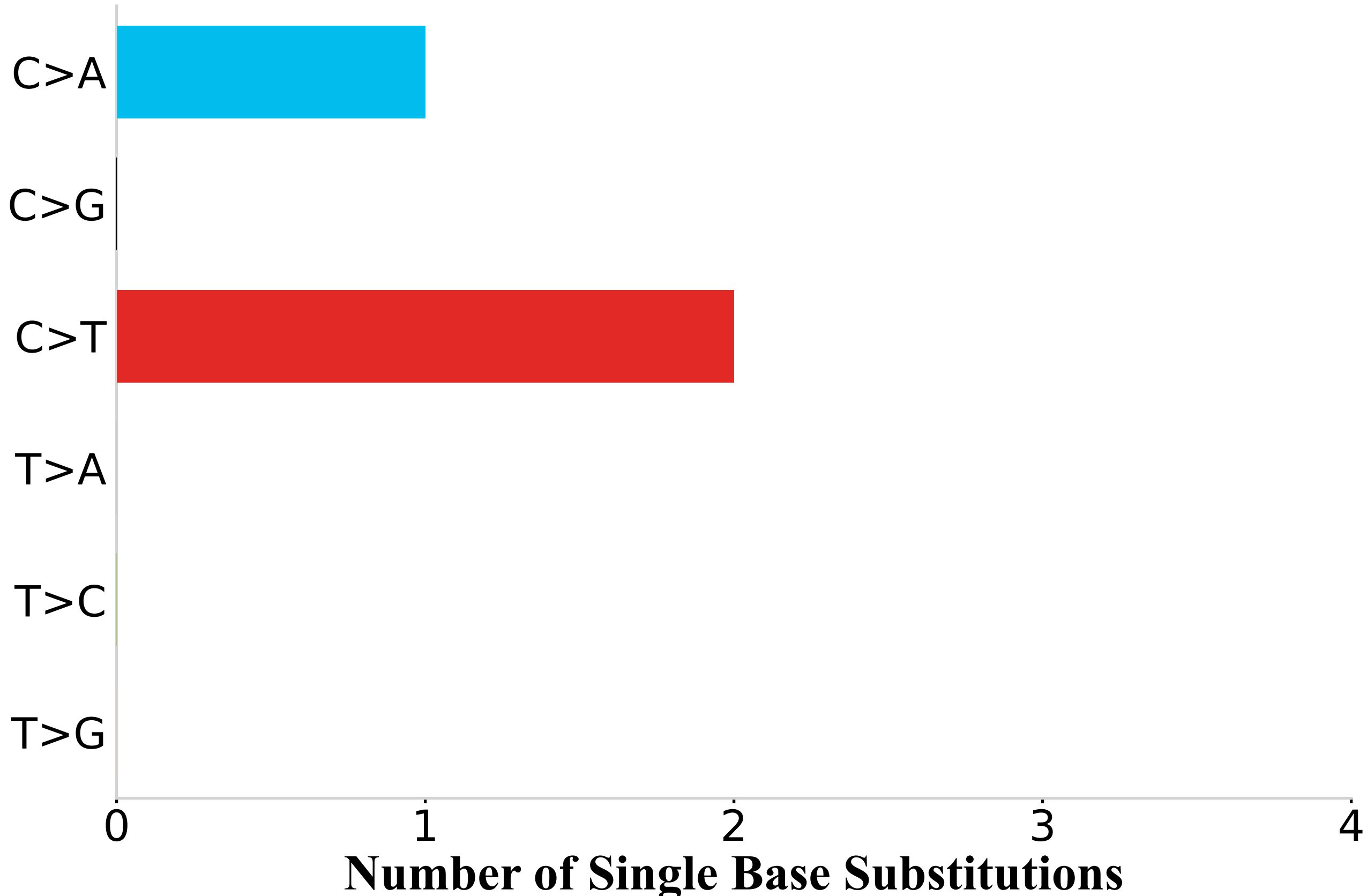
P-0019407-T01-IM6: 13 subs



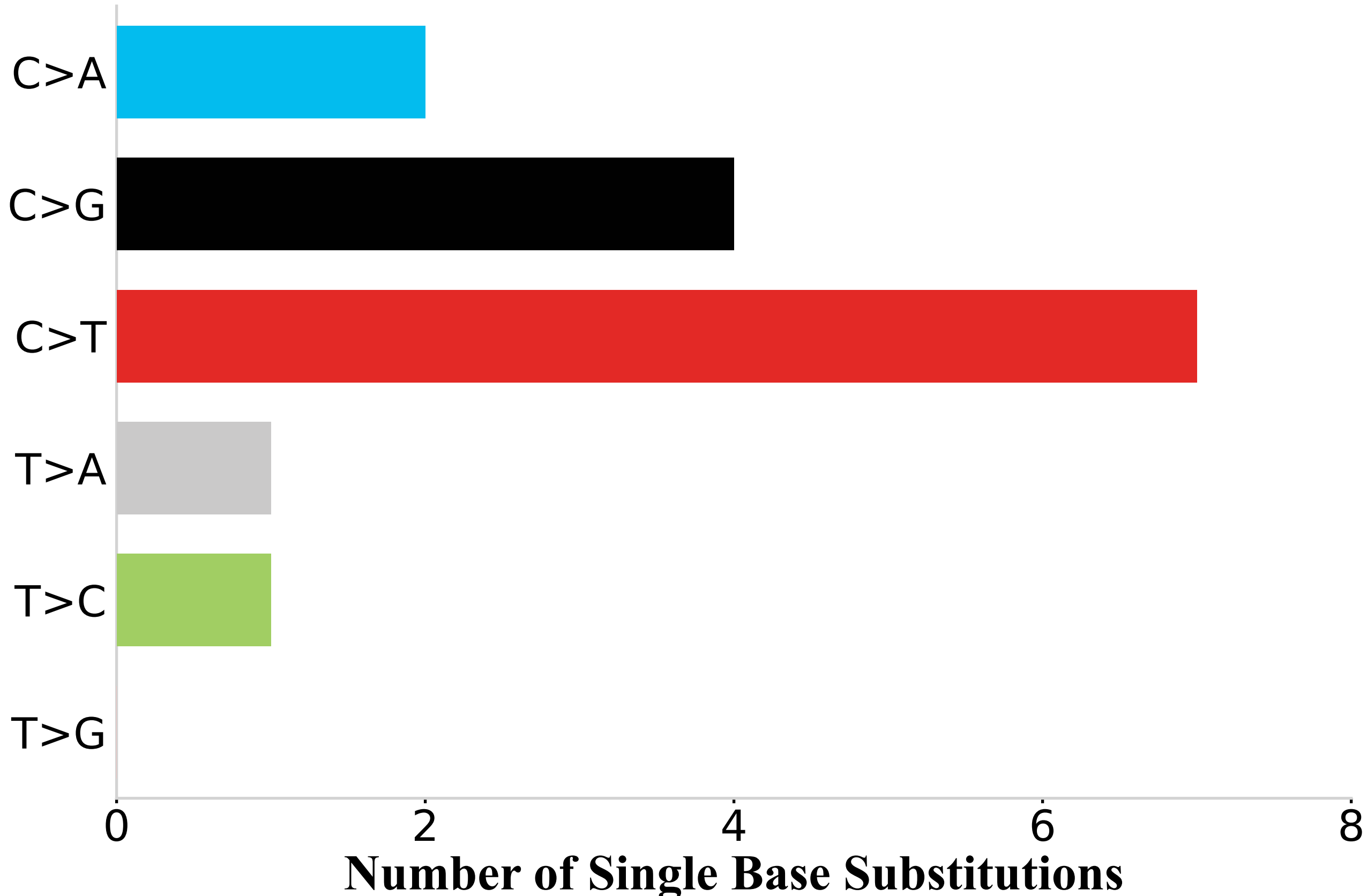
P-0019540-T01-IM6: 7 subs



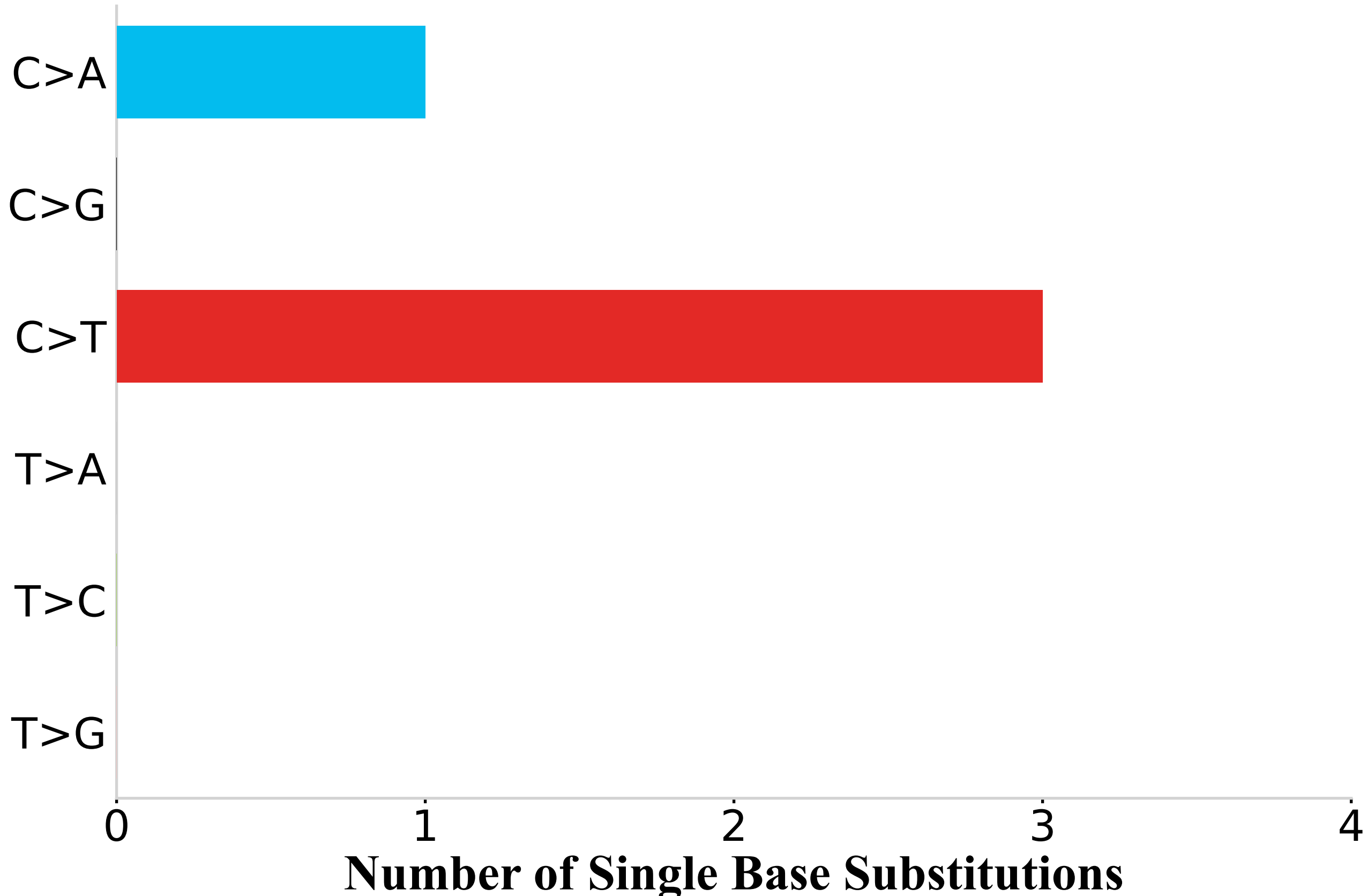
P-0019630-T01-IM6: 3 subs



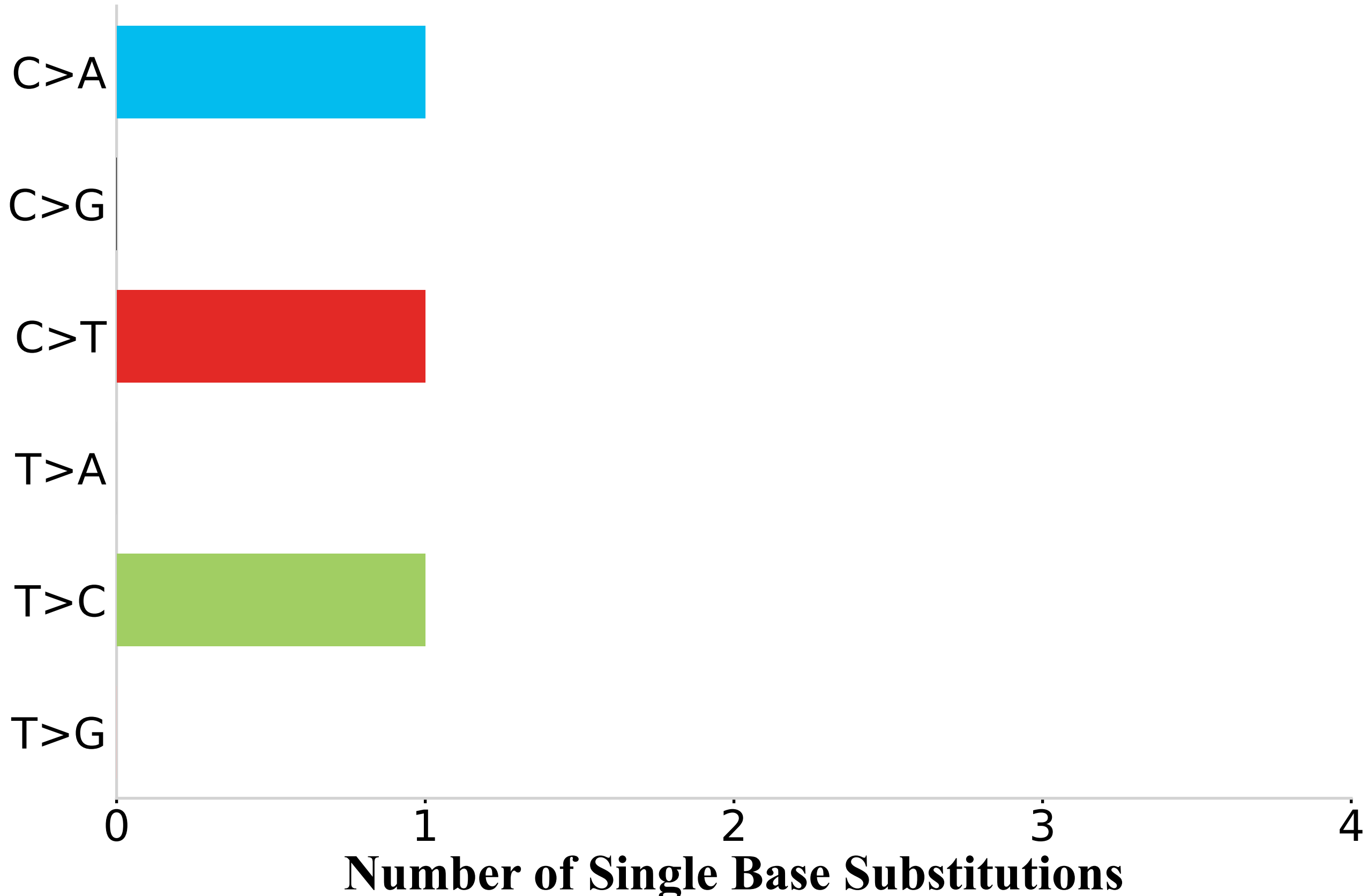
P-0019915-T01-IM6: 15 subs



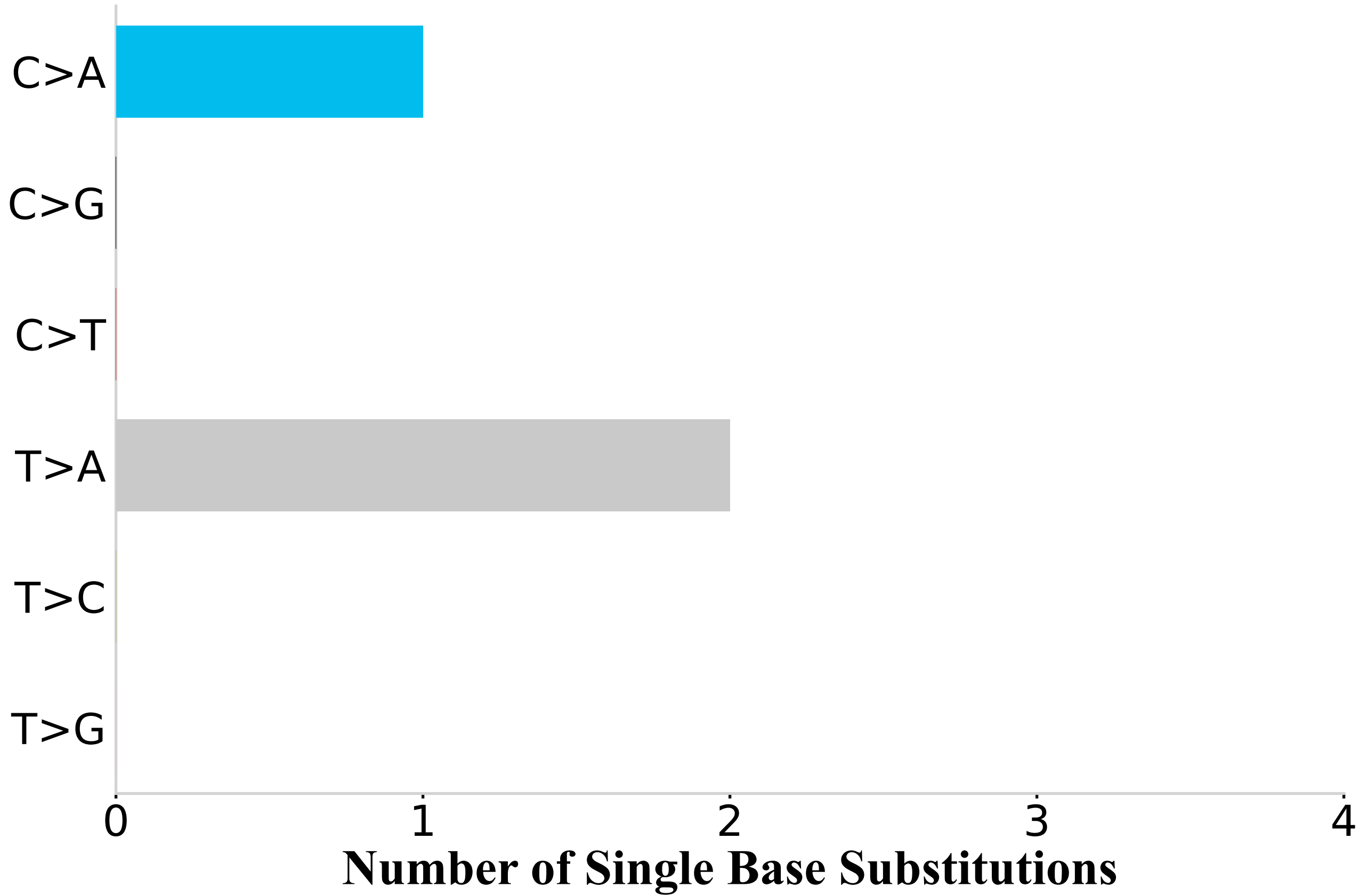
P-0020017-T01-IM6: 4 subs



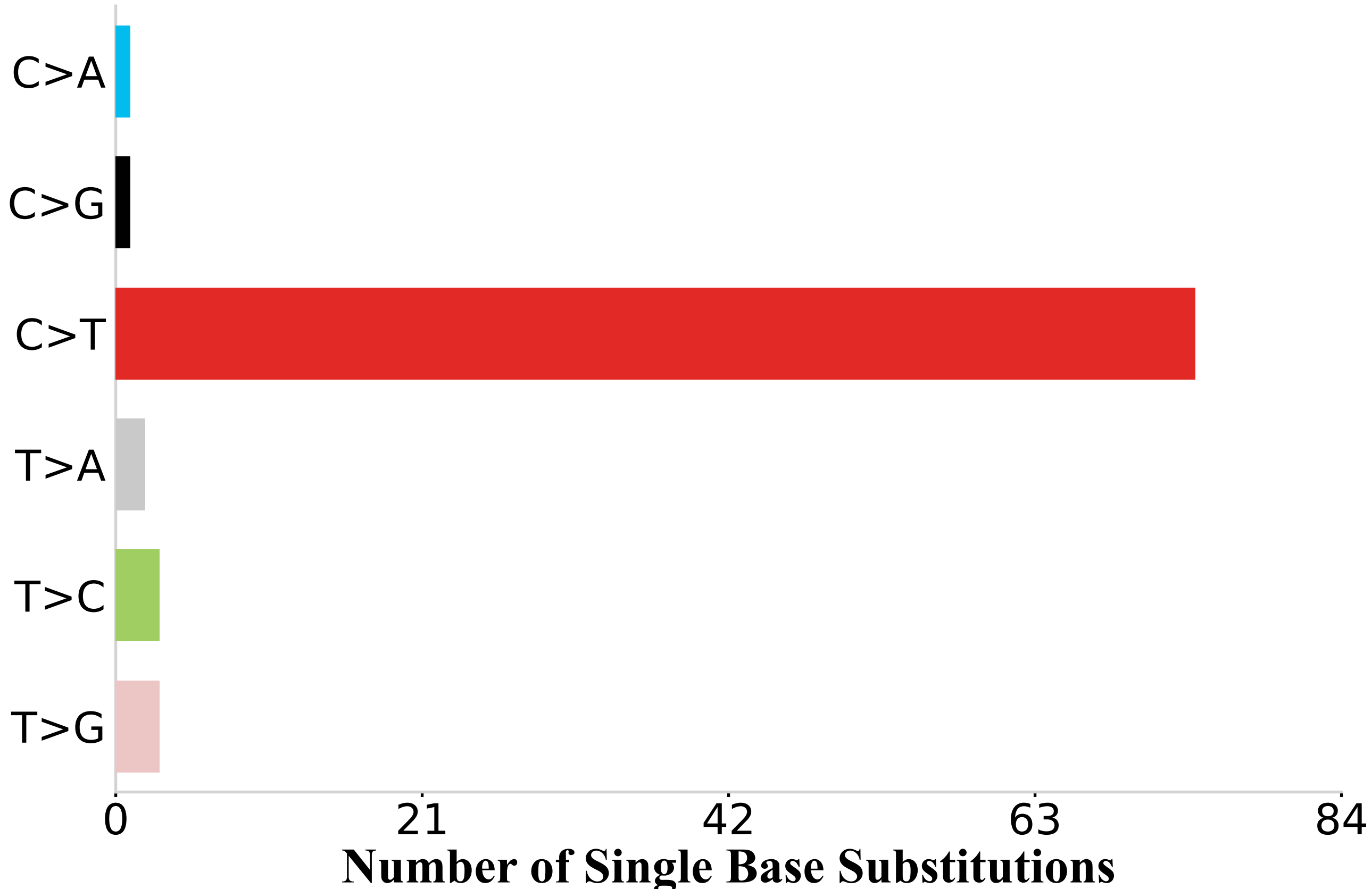
P-0020040-T01-IM6: 3 subs



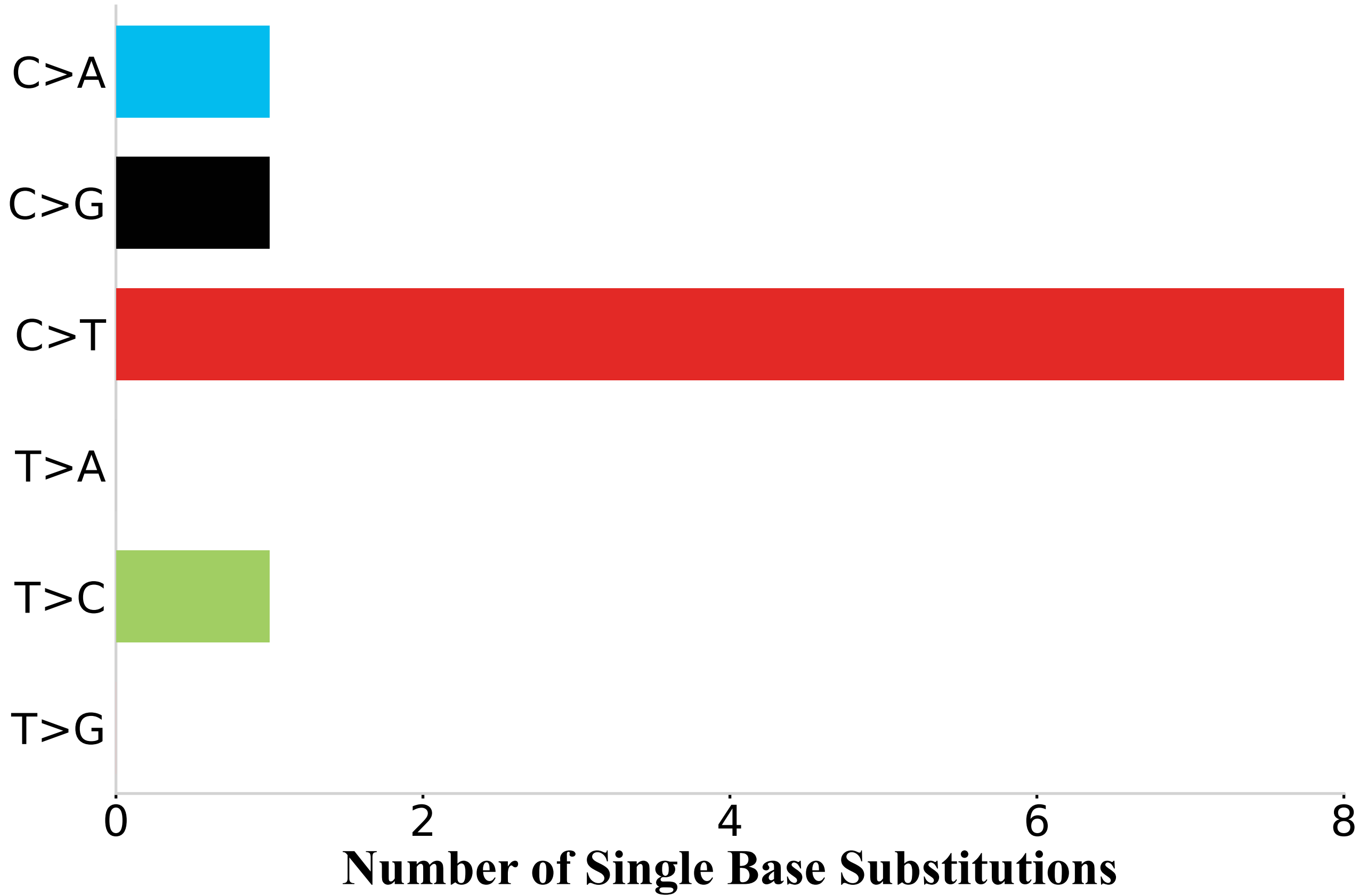
P-0020113-T01-IM6: 3 subs



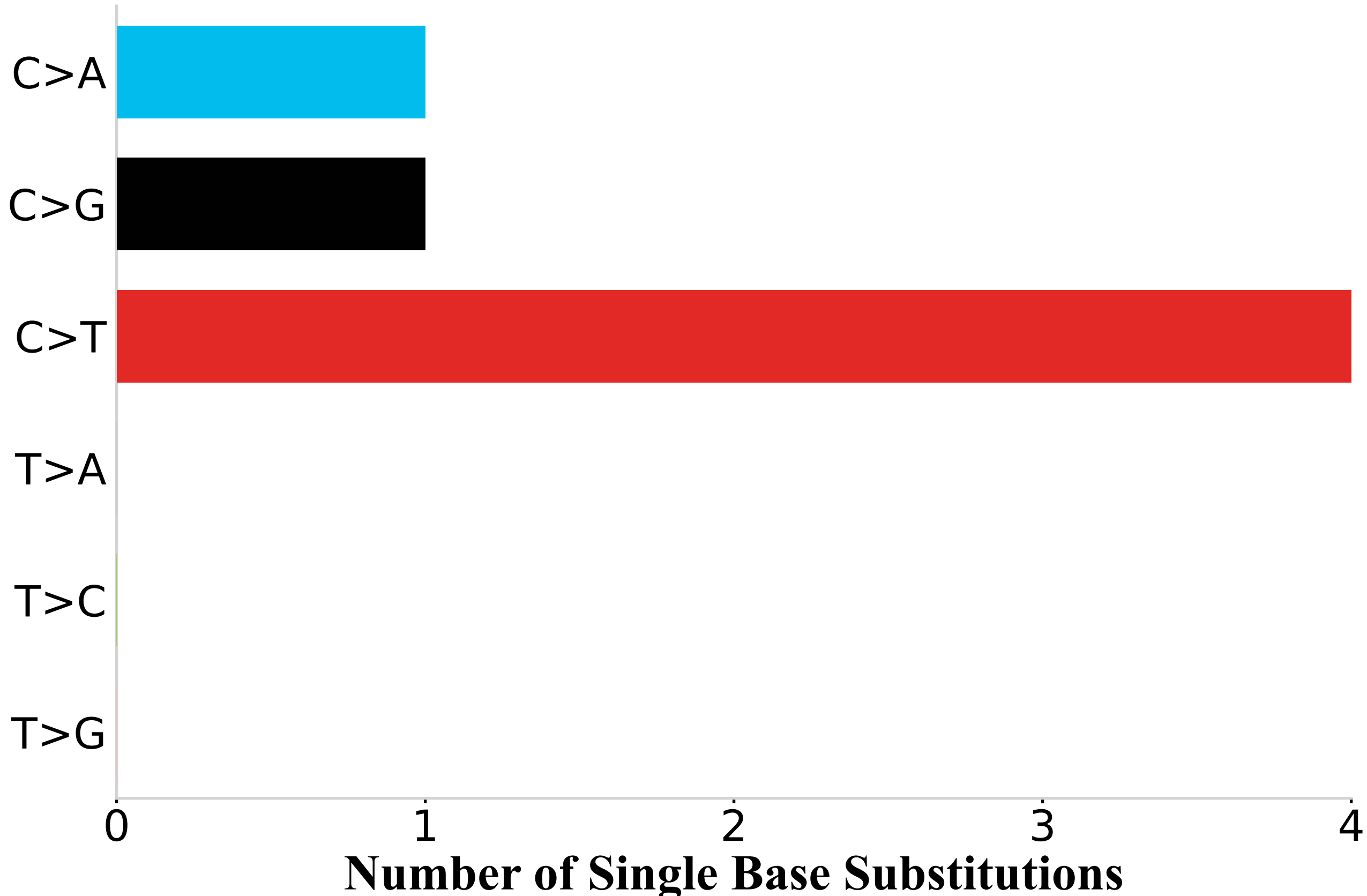
P-0020136-T01-IM6: 84 subs



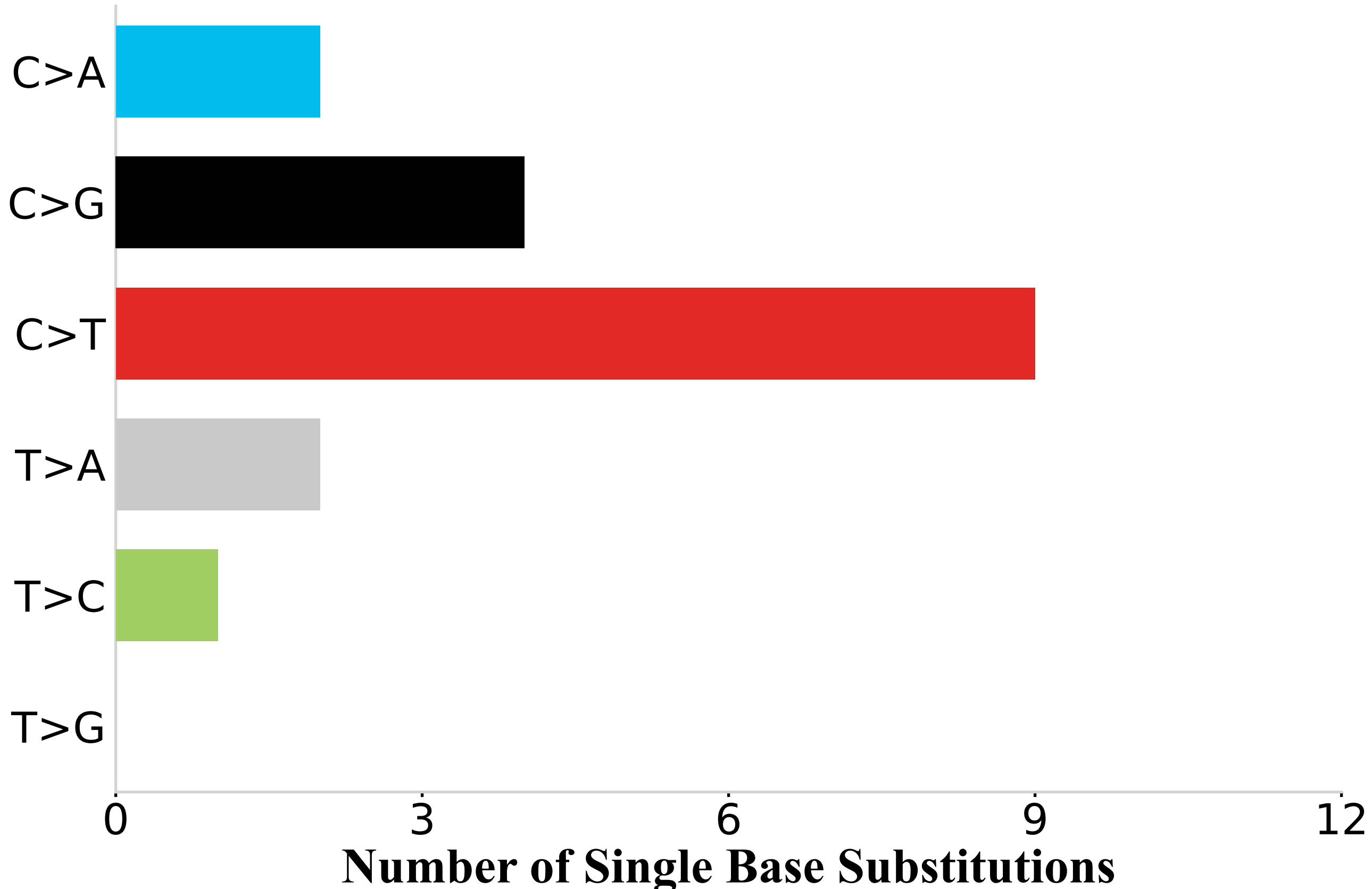
P-0020146-T01-IM6: 11 subs



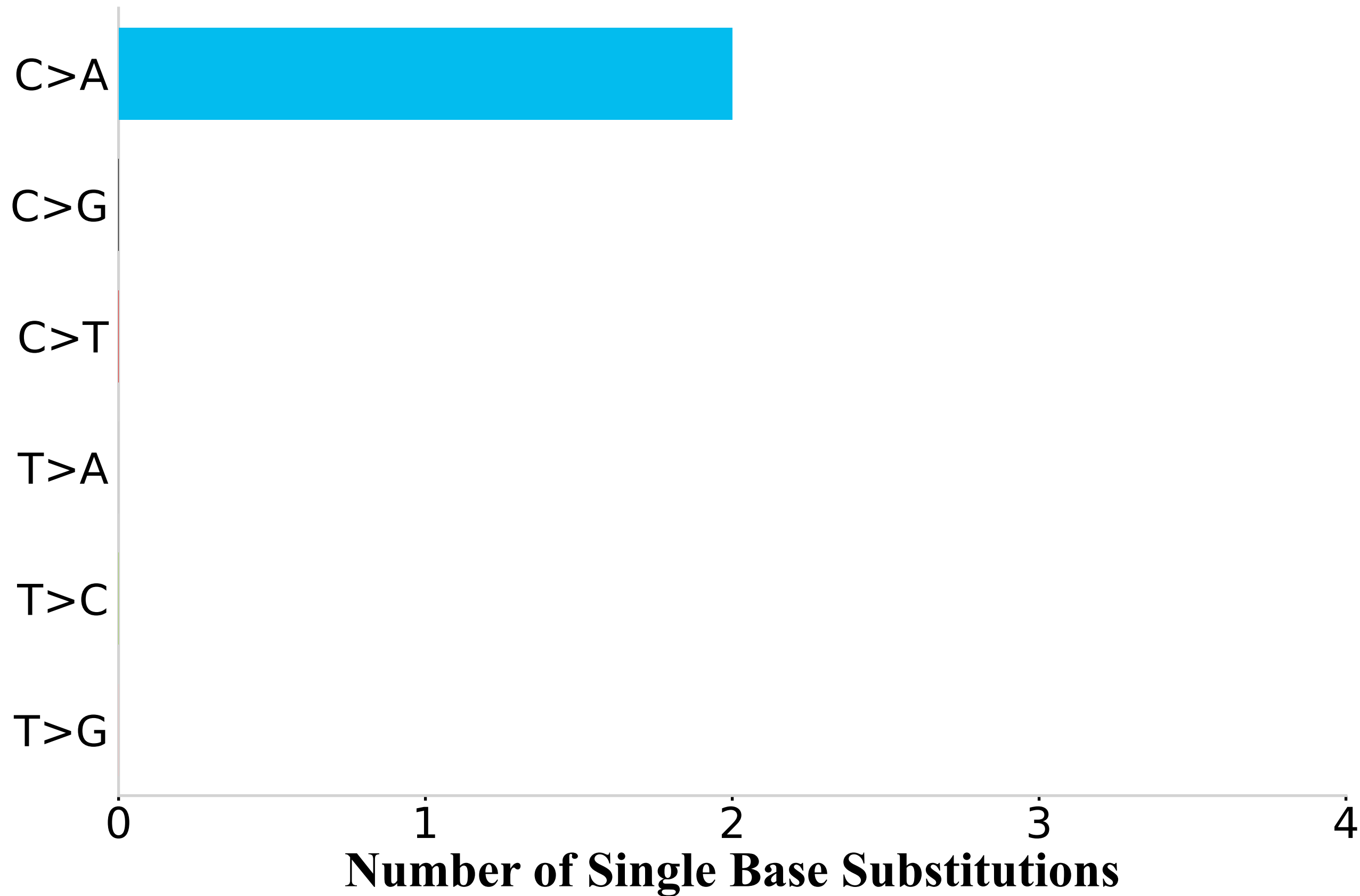
P-0020147-T01-IM6: 6 subs



P-0020156-T01-IM6: 18 subs



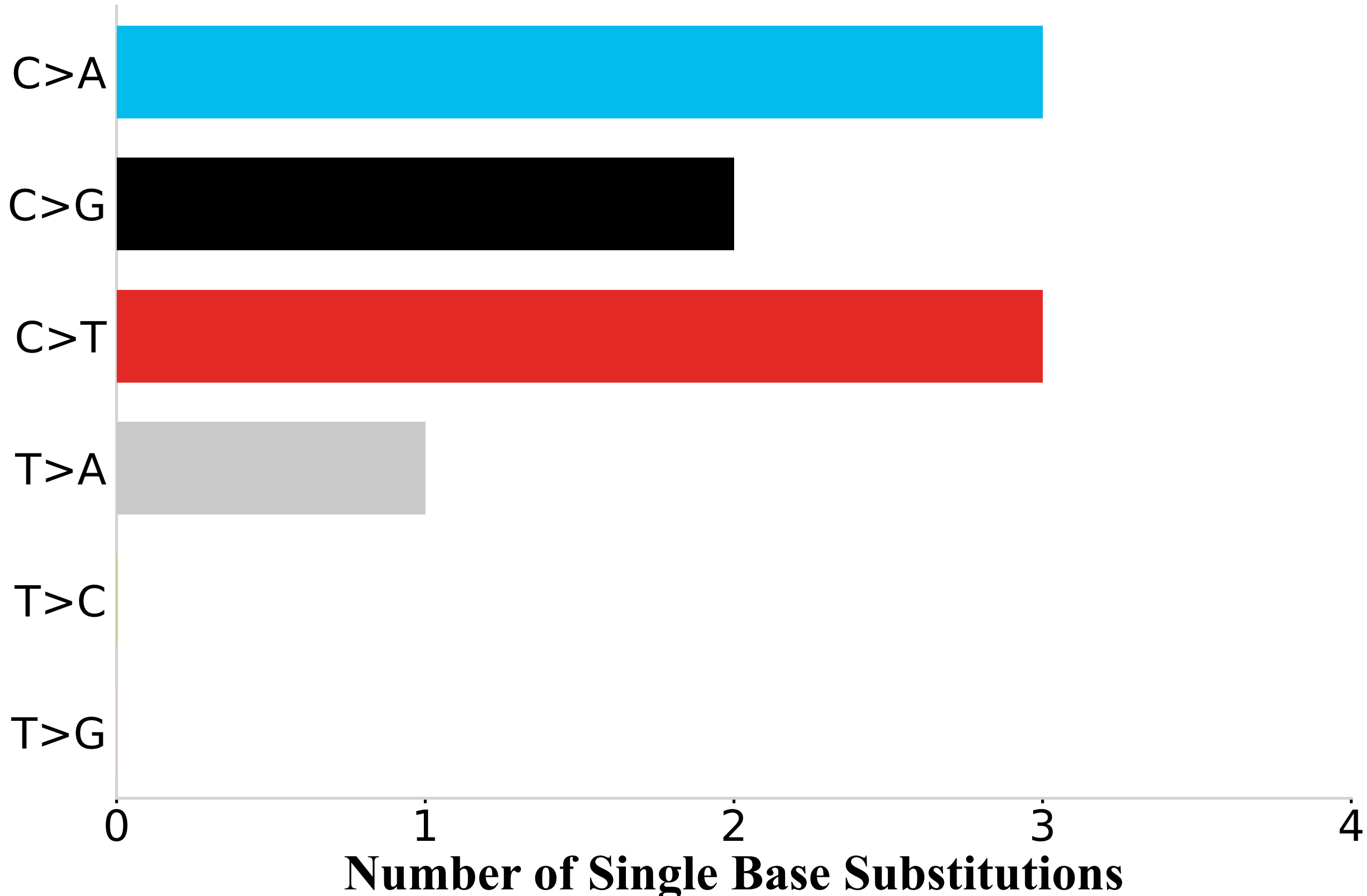
P-0020587-T01-IM6: 2 subs



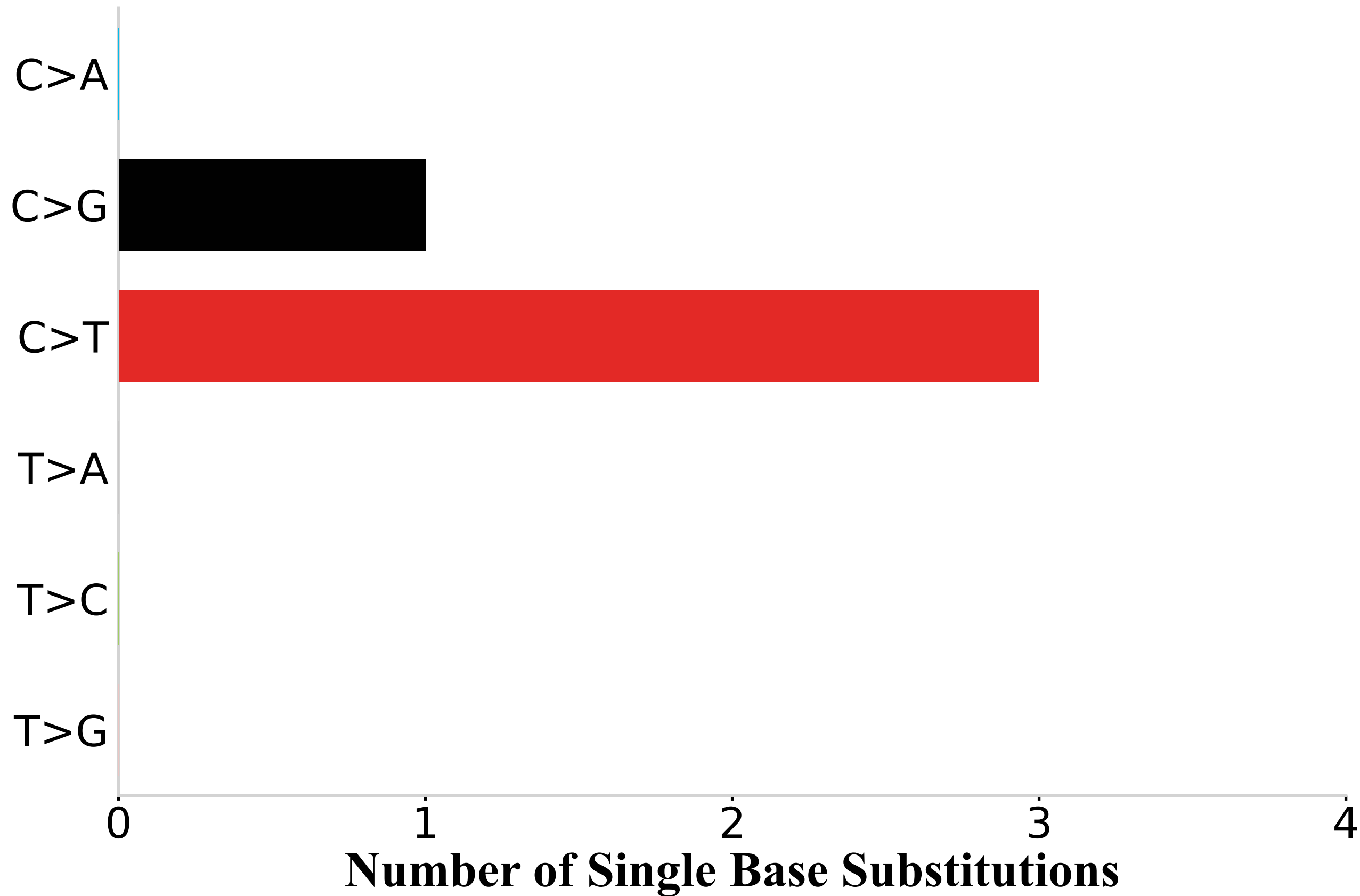
P-0020649-T01-IM6: 2 subs



P-0020692-T01-IM6: 9 subs



P-0020846-T01-IM6: 4 subs



P-0020965-T01-IM6: 4 subs

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C>G

C>T

T>A

T>C

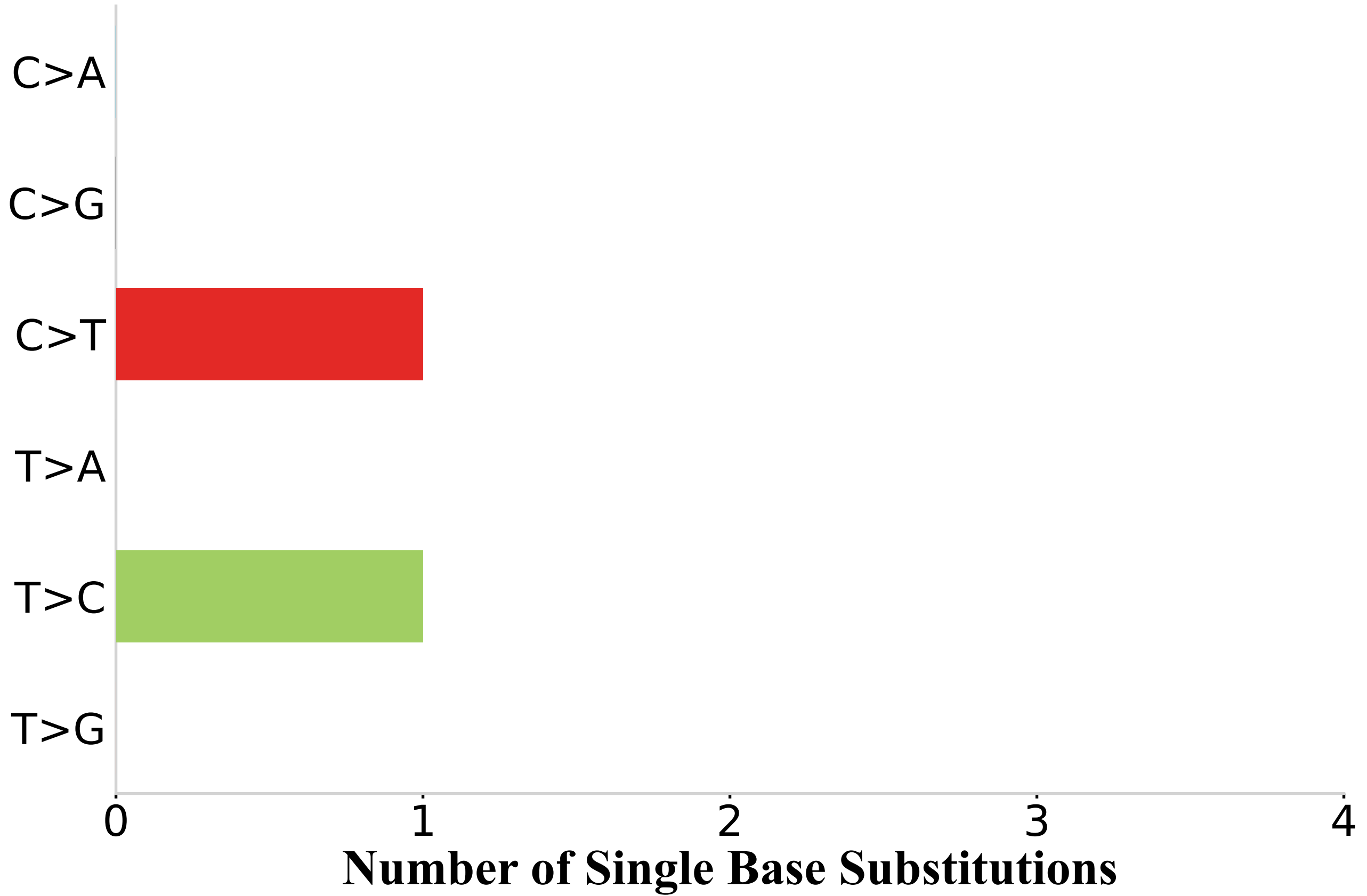
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0 1 2 3 4

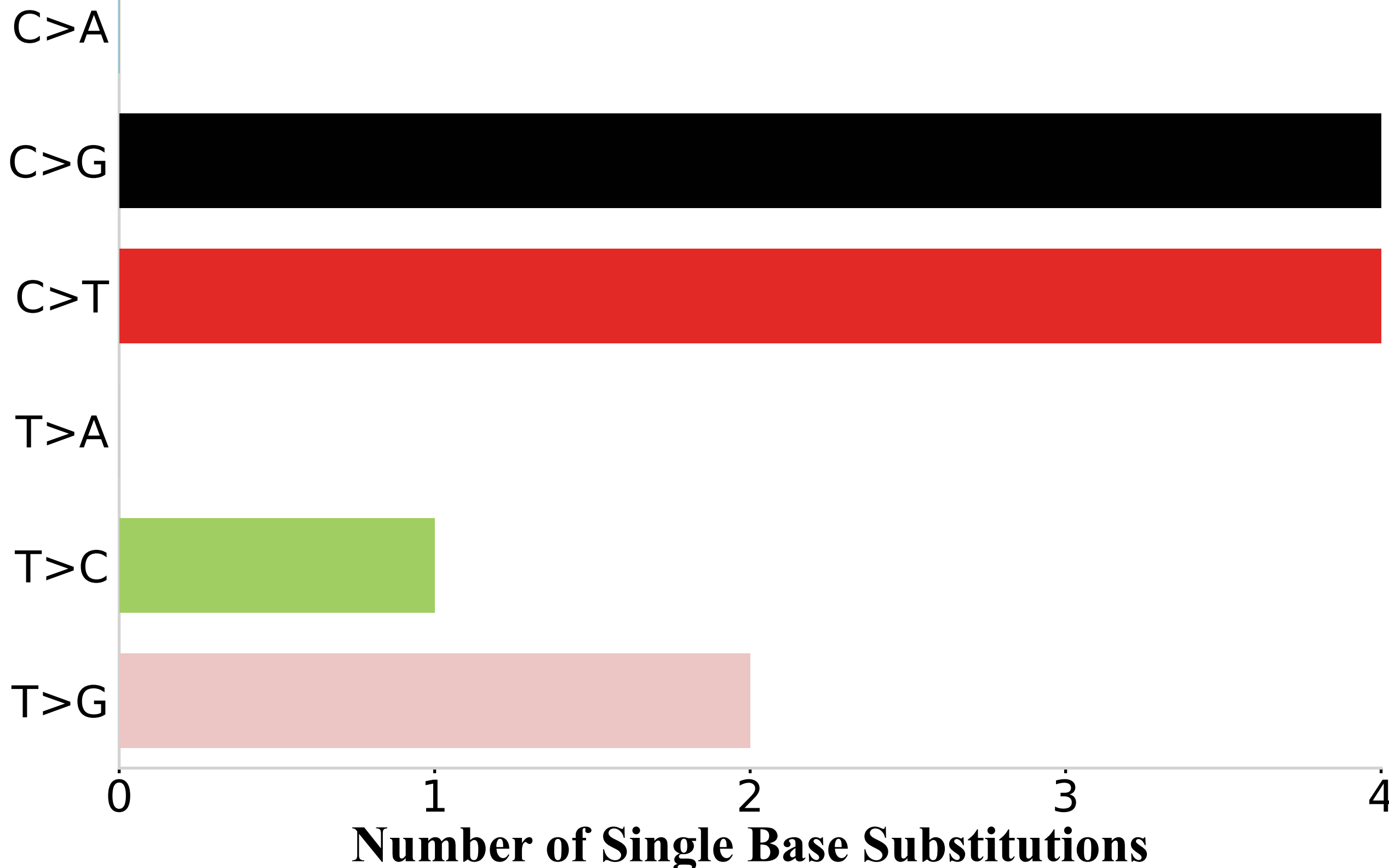
Number of Single Base Substitutions



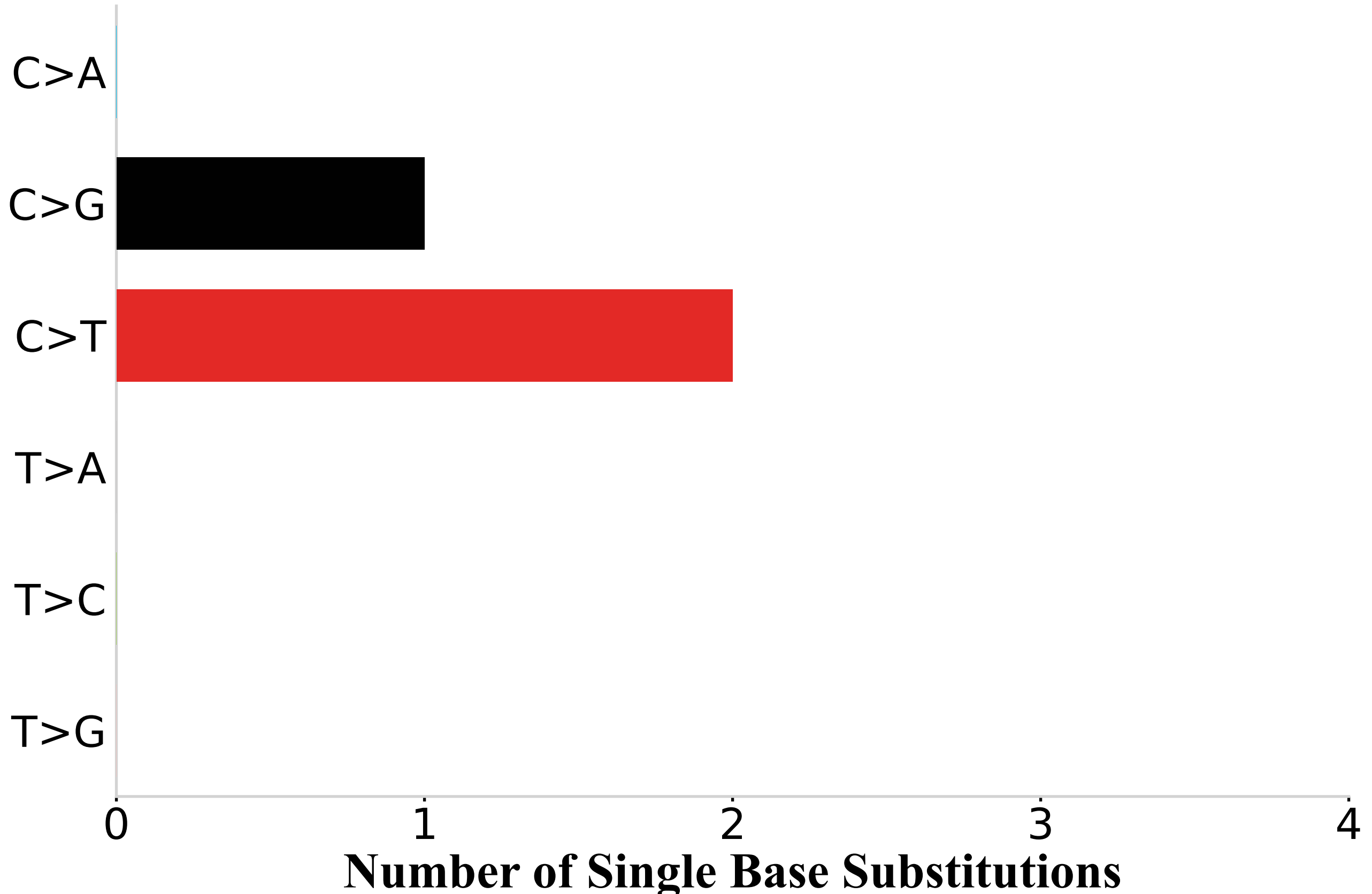
P-0021009-T01-IM6: 2 subs



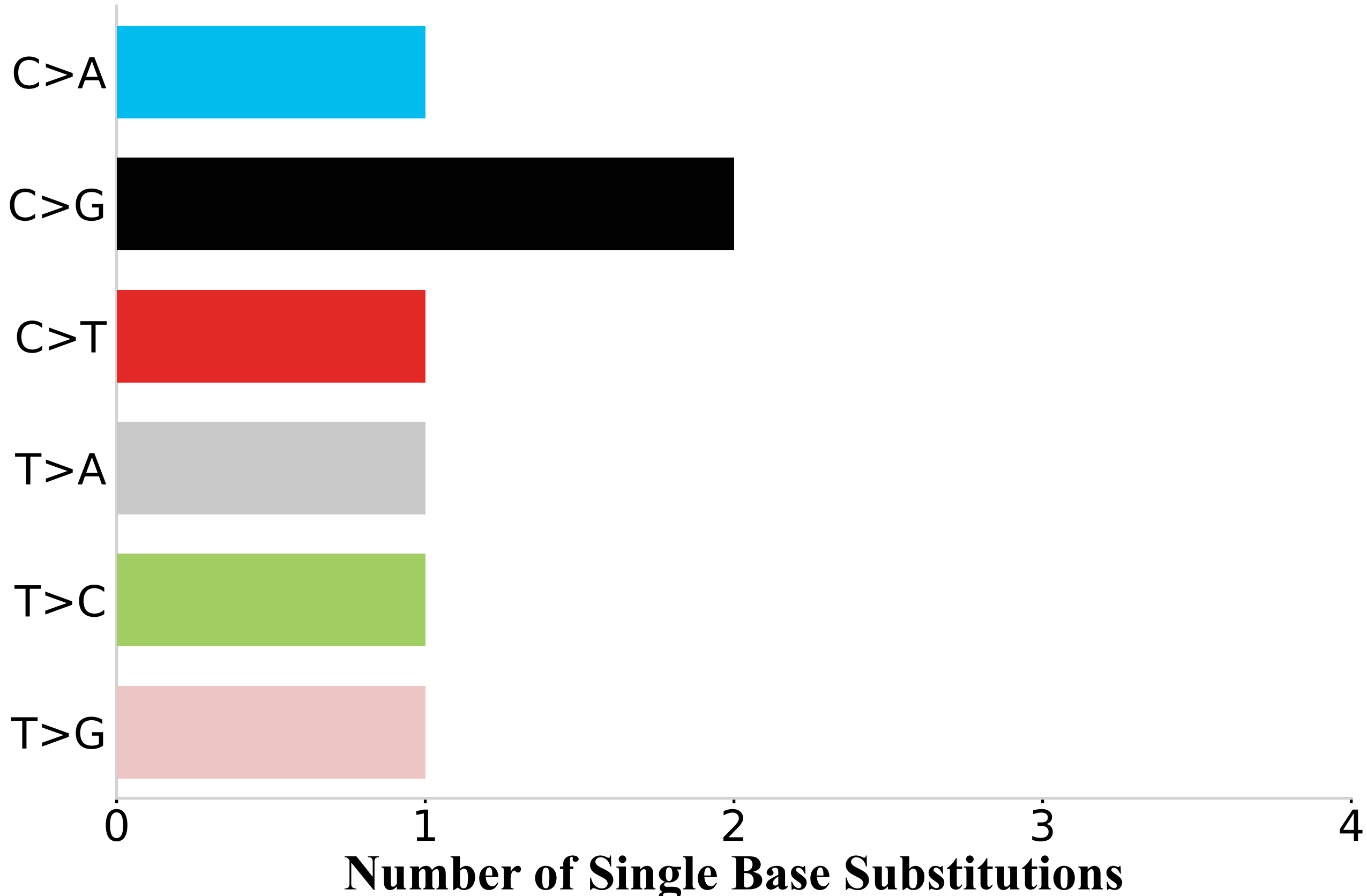
P-0021311-T01-IM6: 11 subs



P-0021540-T01-IM6: 3 subs



P-0021601-T01-IM6: 7 subs



P-0021915-T01-IM6: 8 subs

C>A

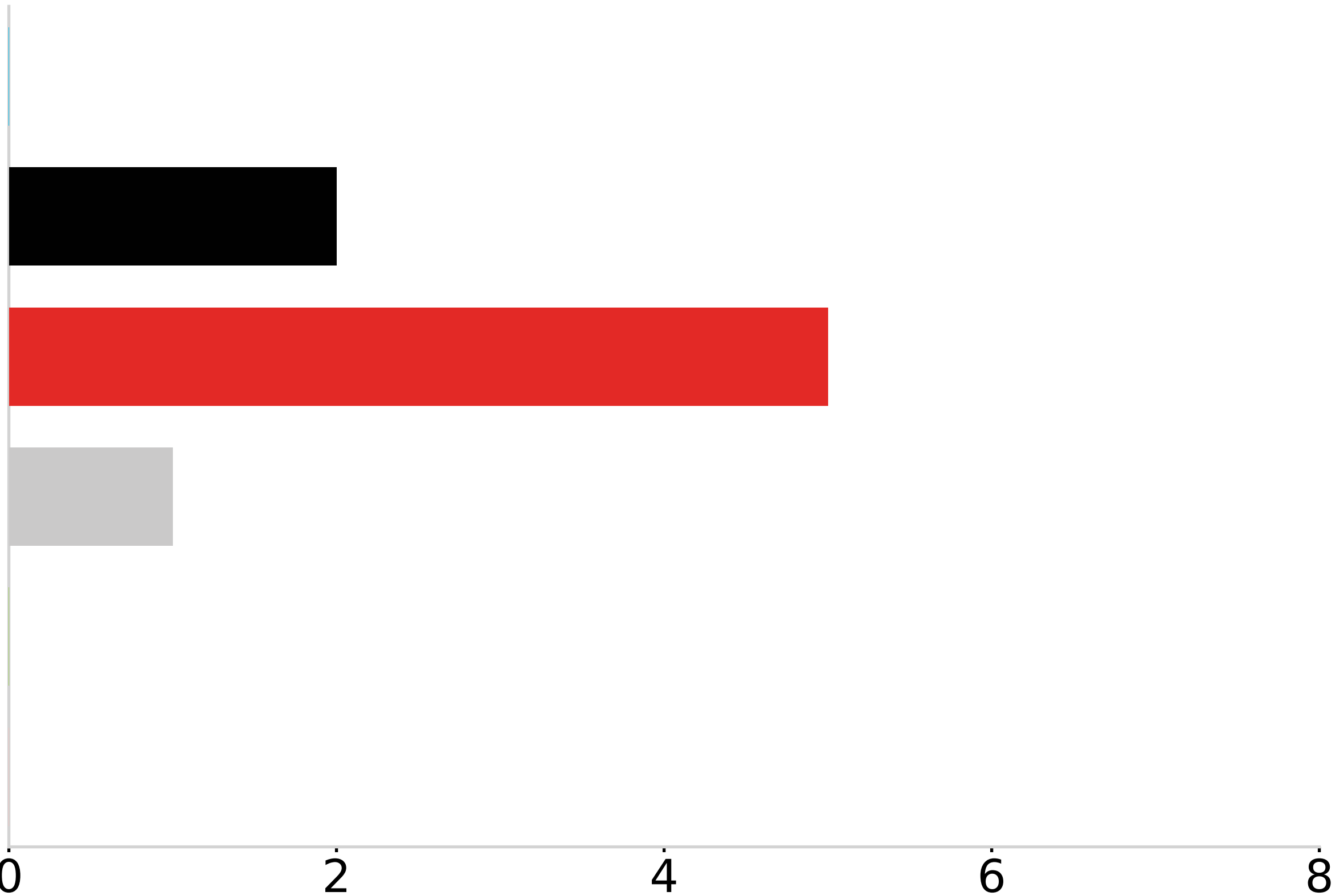
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C>T

T>A

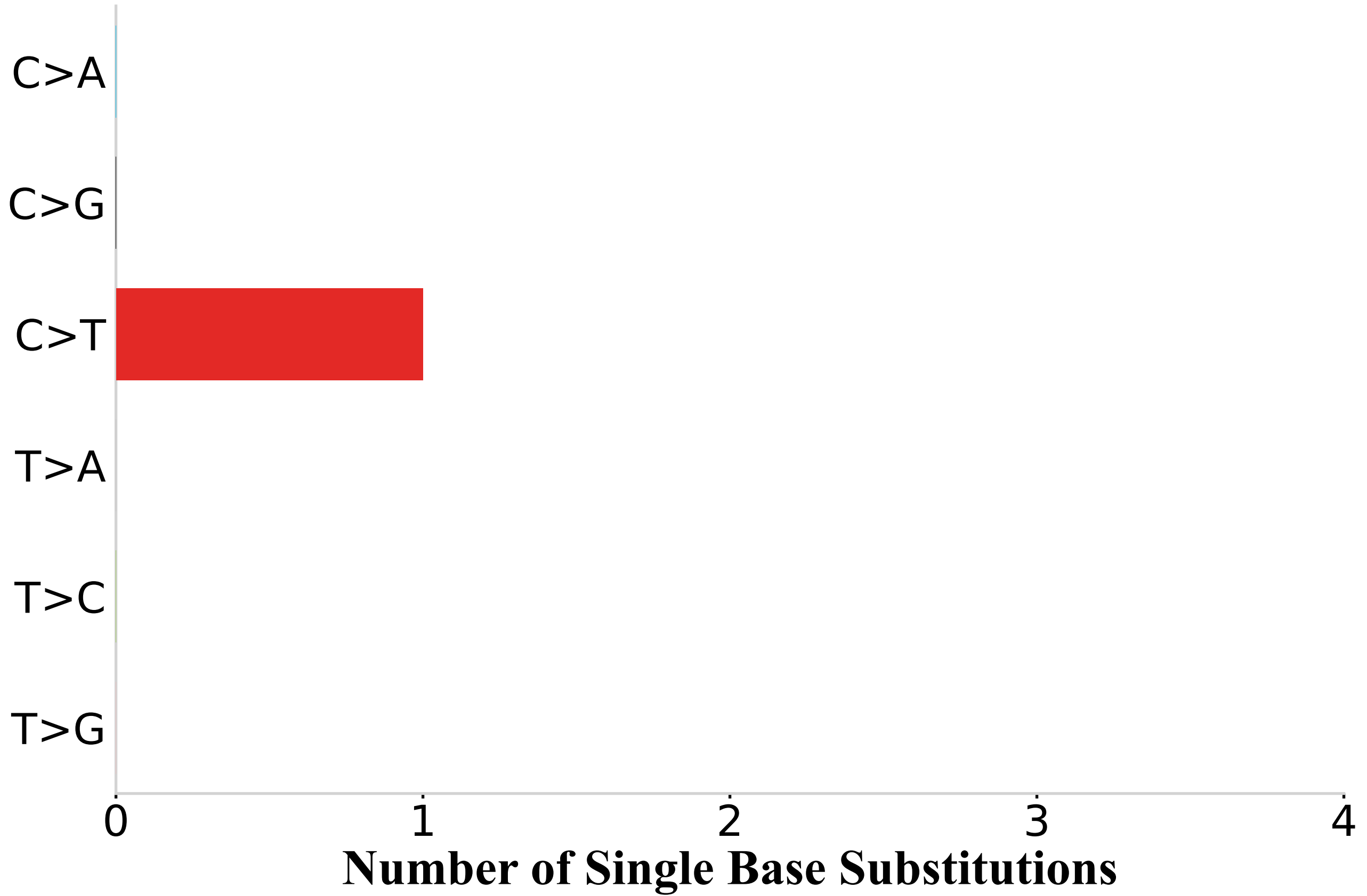
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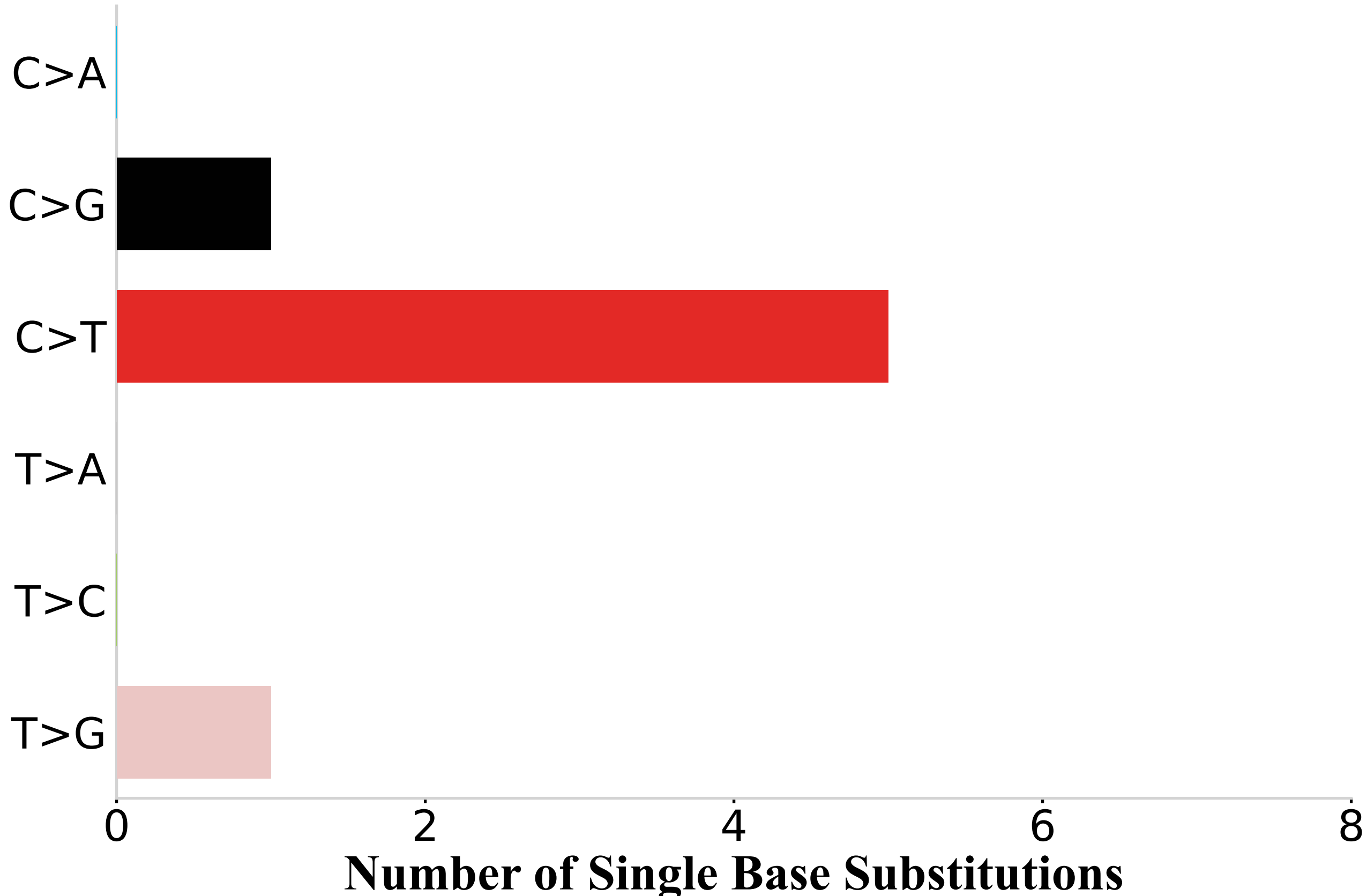


Number of Single Base Substitutions

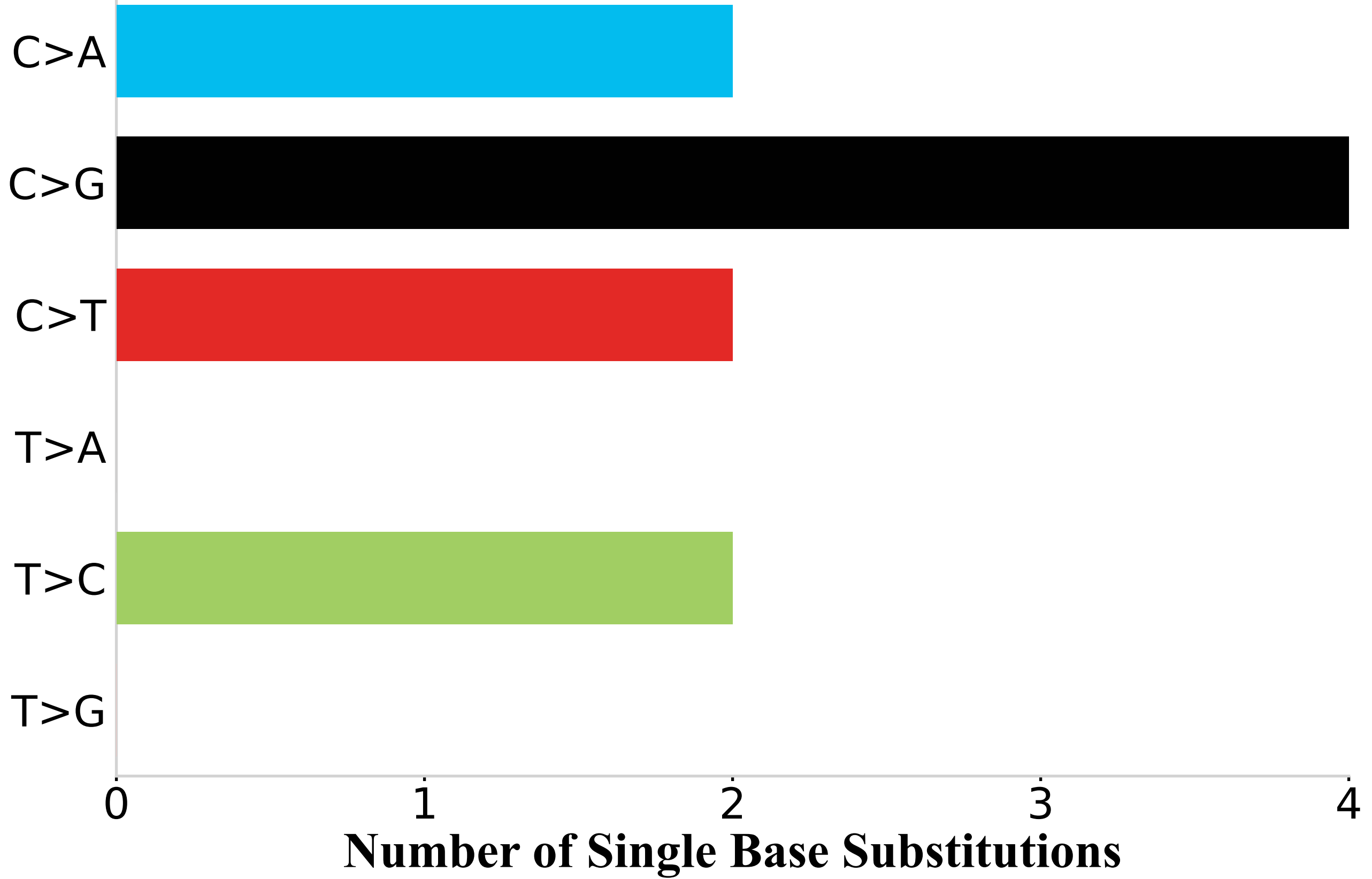
P-0022064-T01-IM6: 1 subs



P-0022361-T01-IM6: 7 subs



P-0022441-T01-IM6: 10 subs



P-0022466-T01-IM6: 0 subs

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C>G

C>T

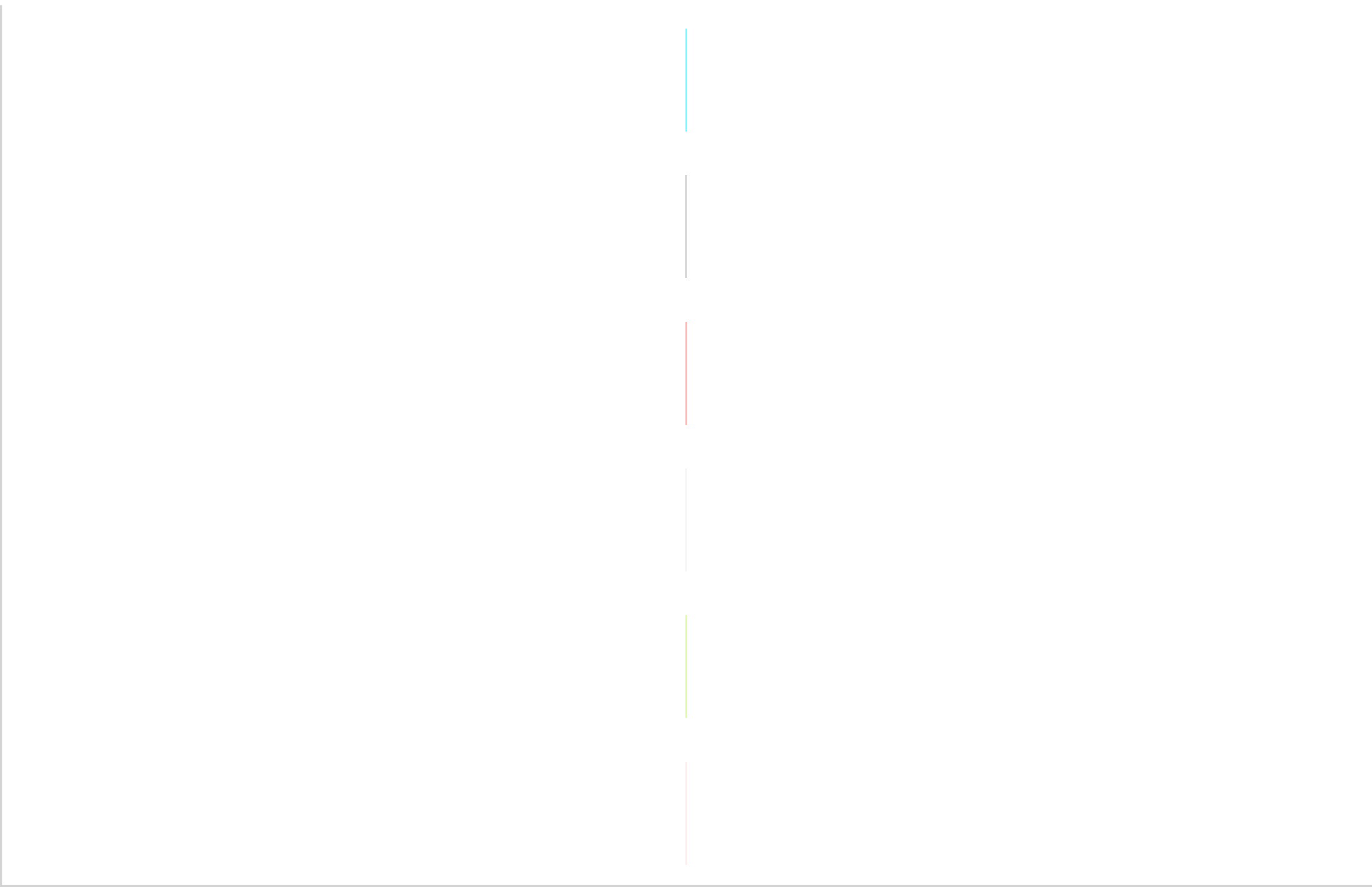
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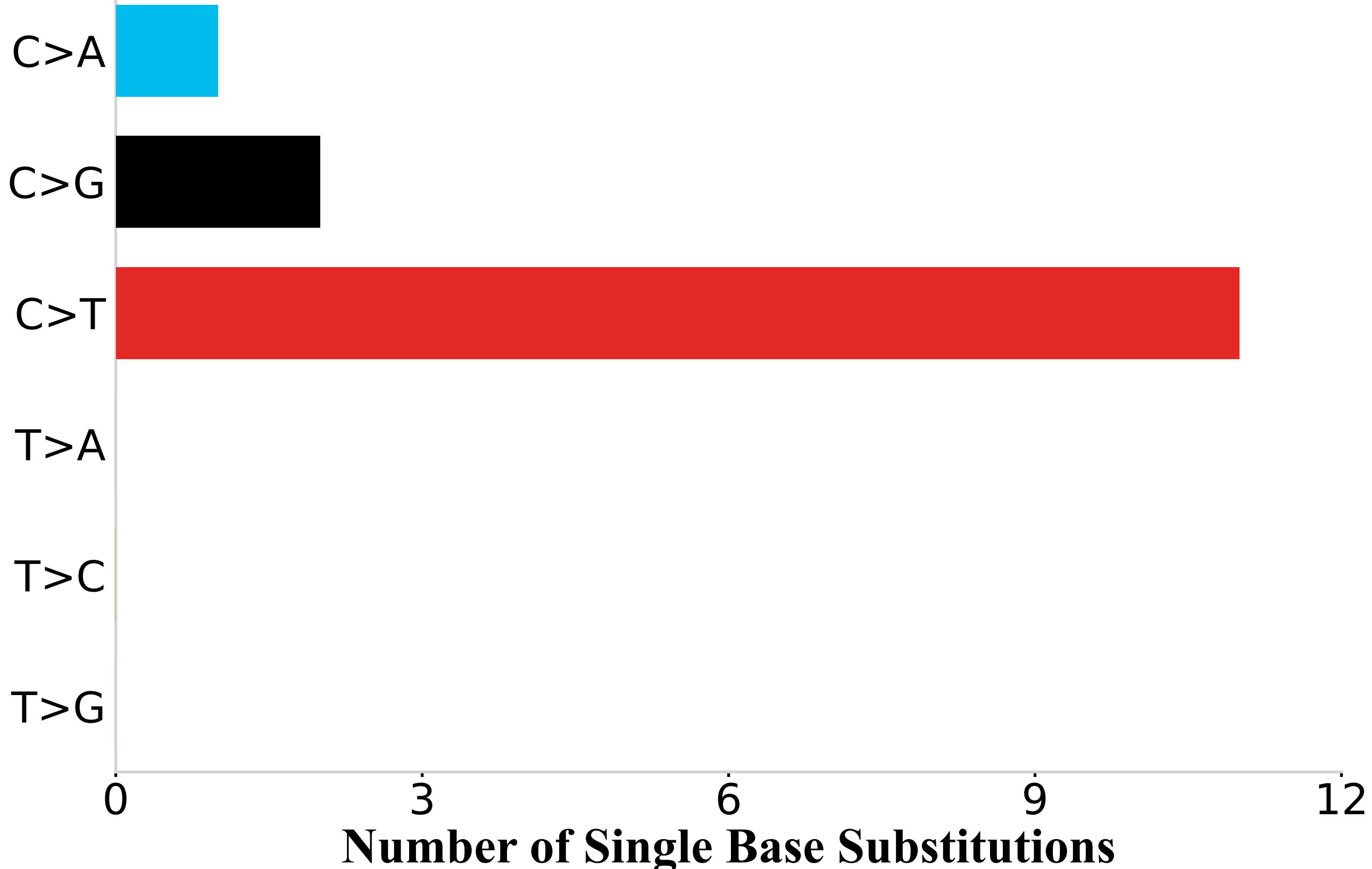
T>G

0

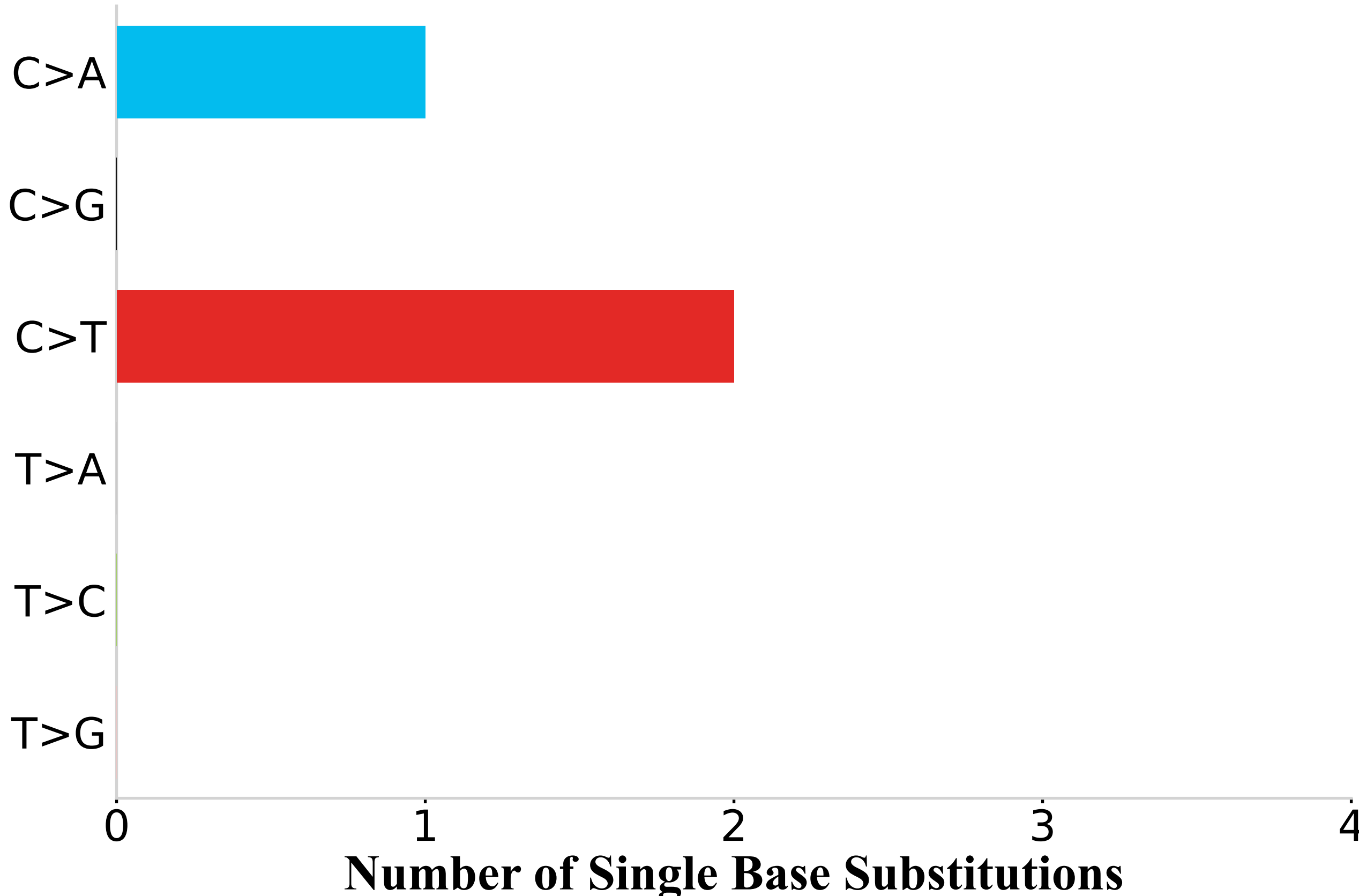
Number of Single Base Substitutions



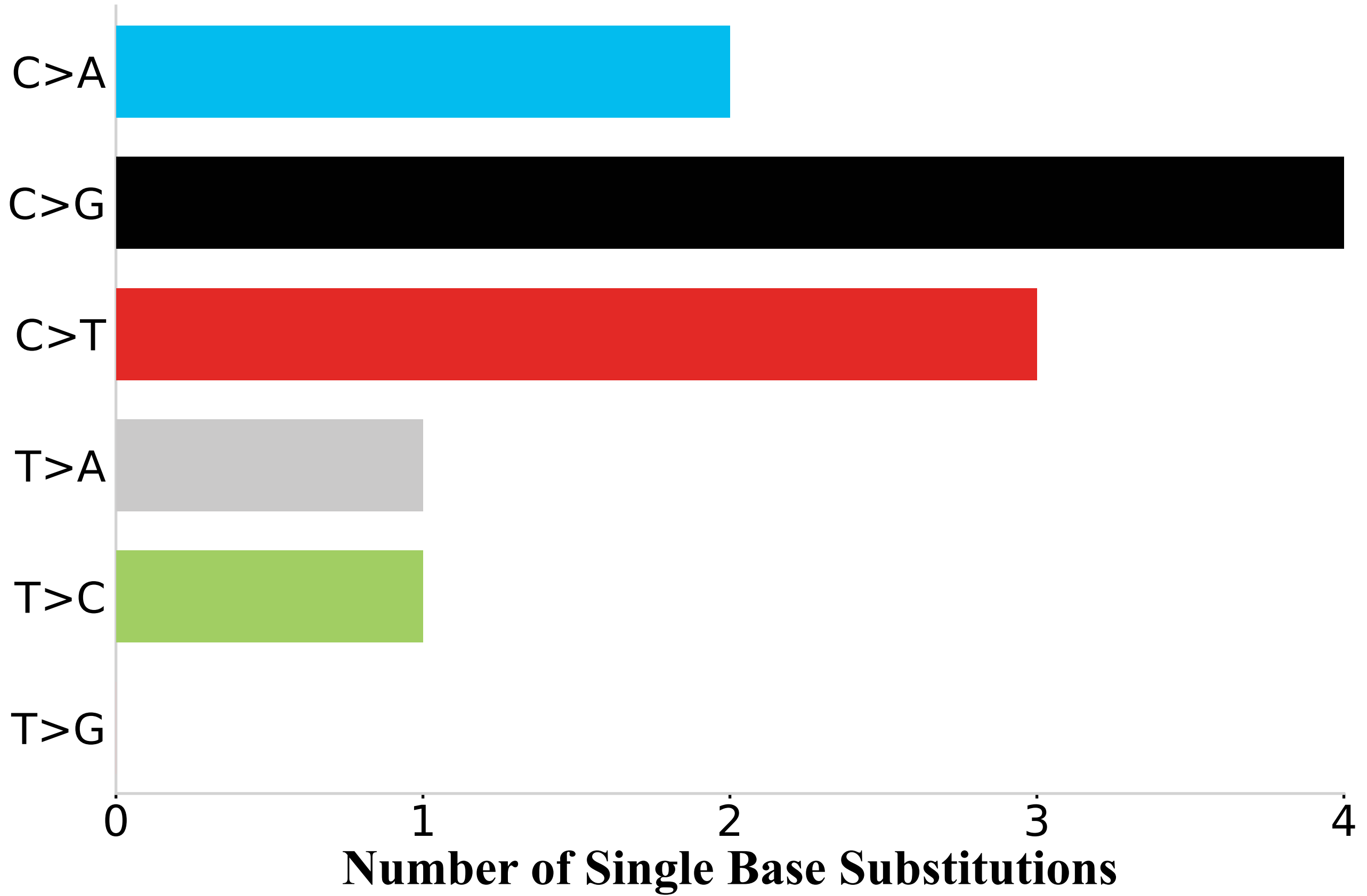
P-0022502-T01-IM6: 14 subs



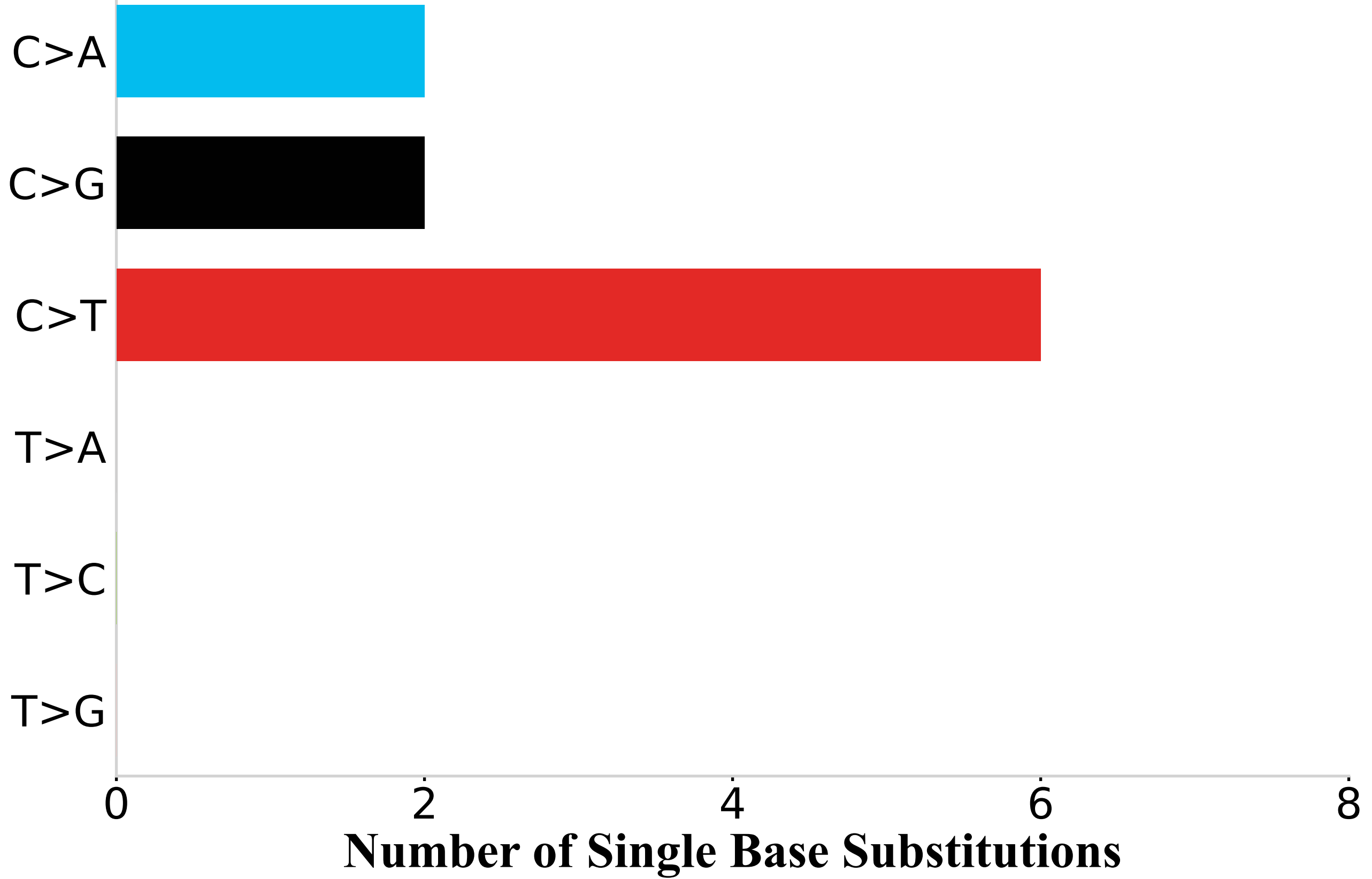
P-0022528-T01-IM6: 3 subs



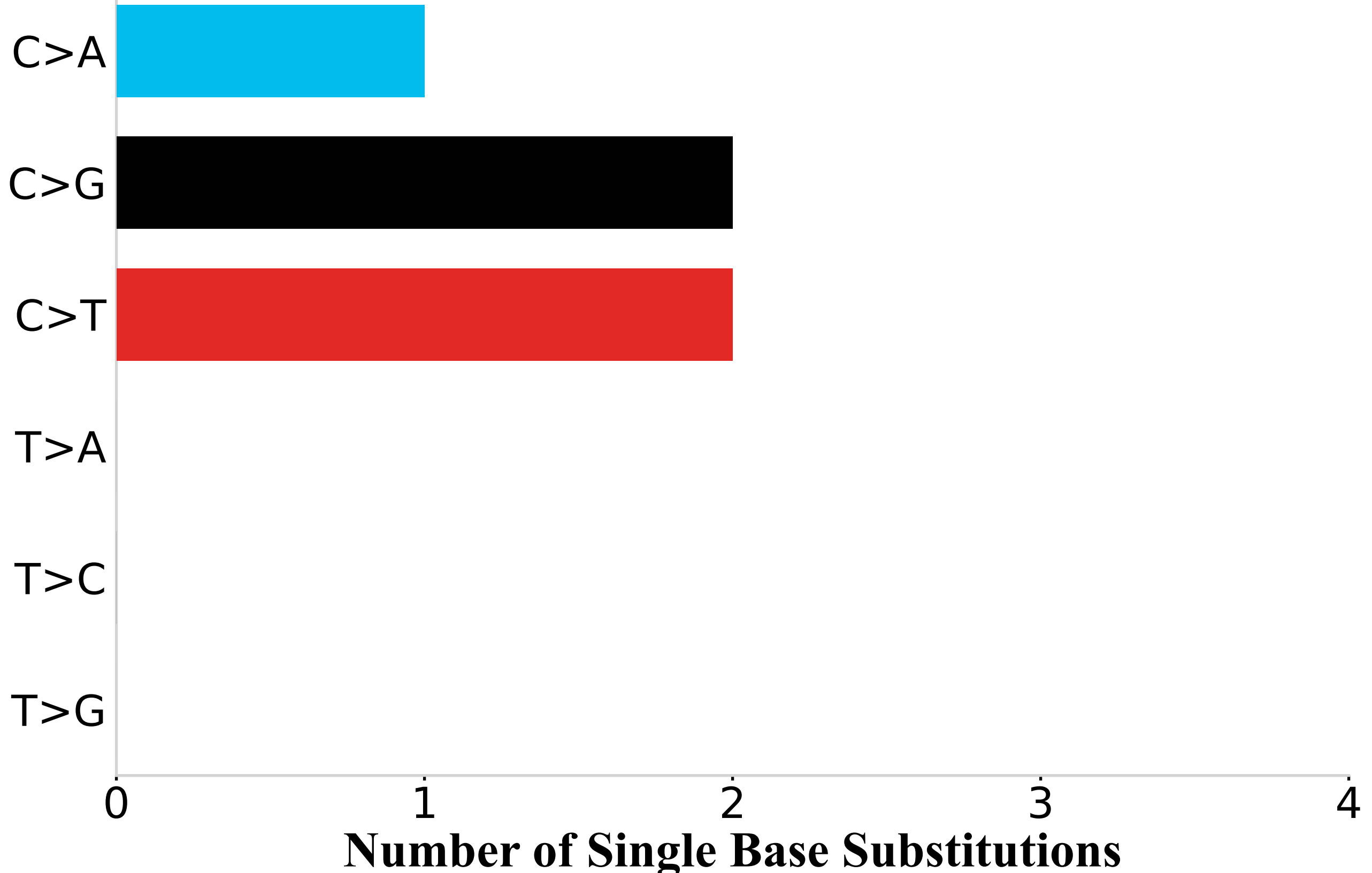
P-0022646-T01-IM6: 11 subs



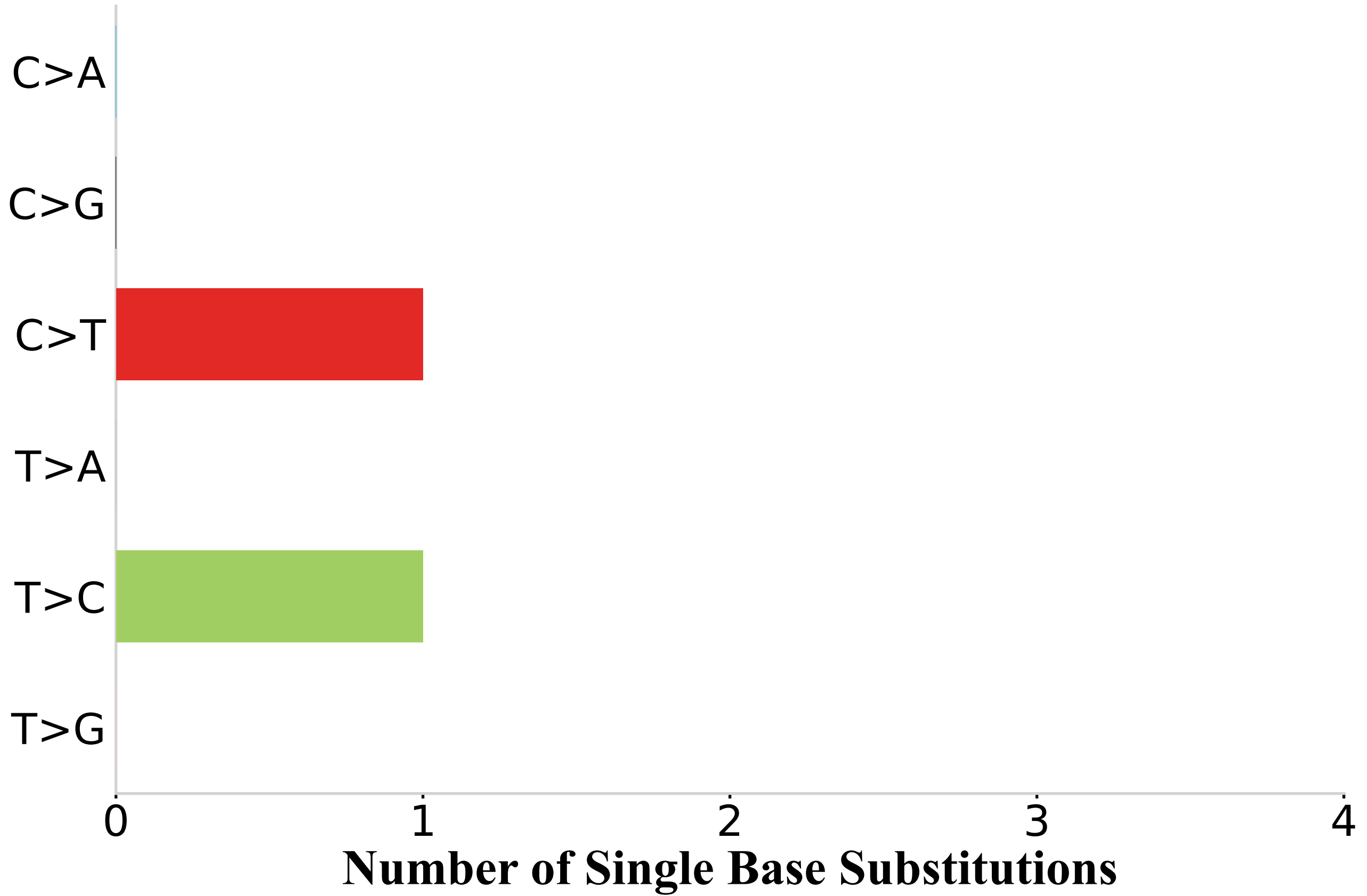
P-0022660-T01-IM6: 10 subs



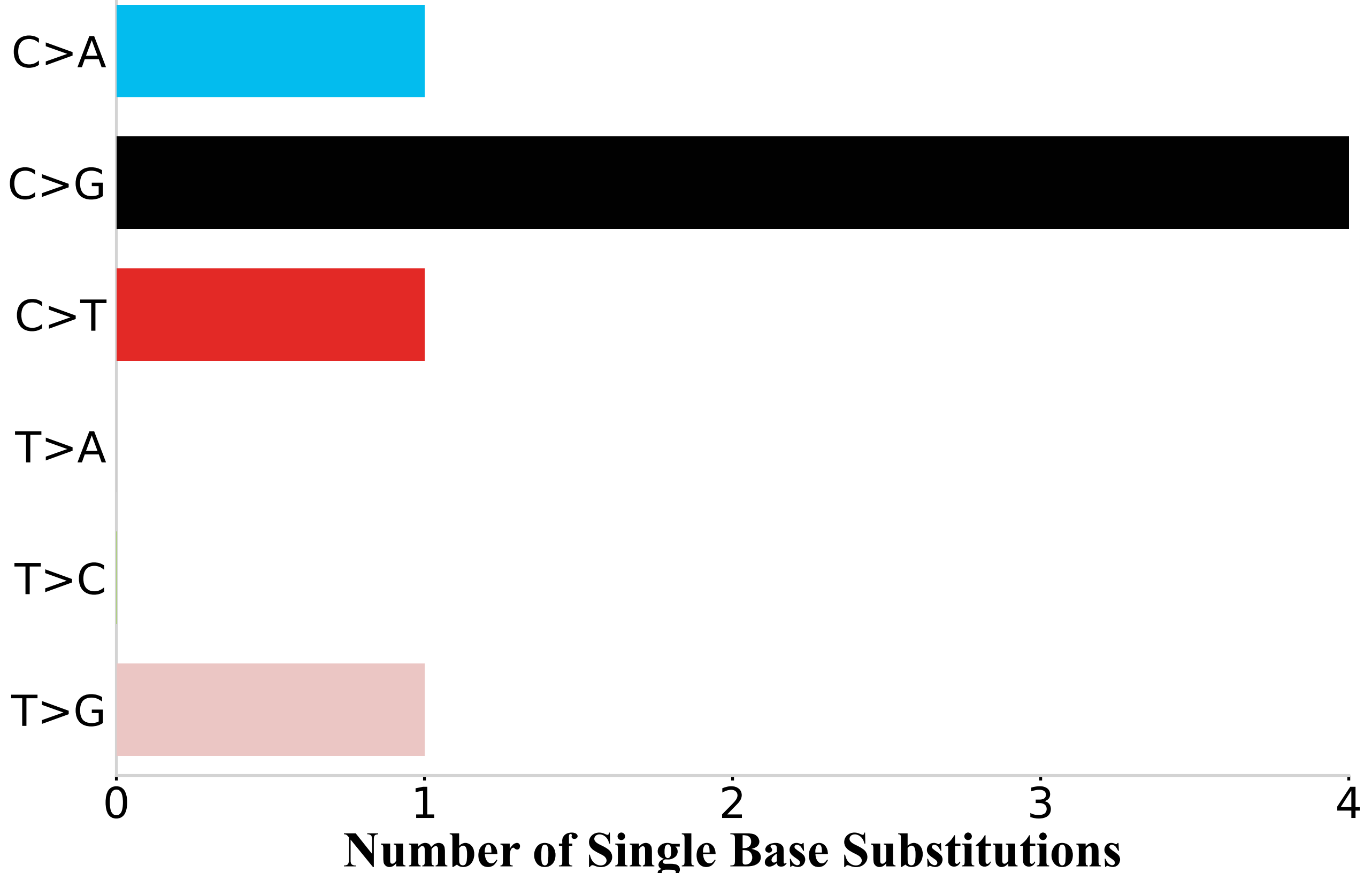
P-0022682-T01-IM6: 5 subs



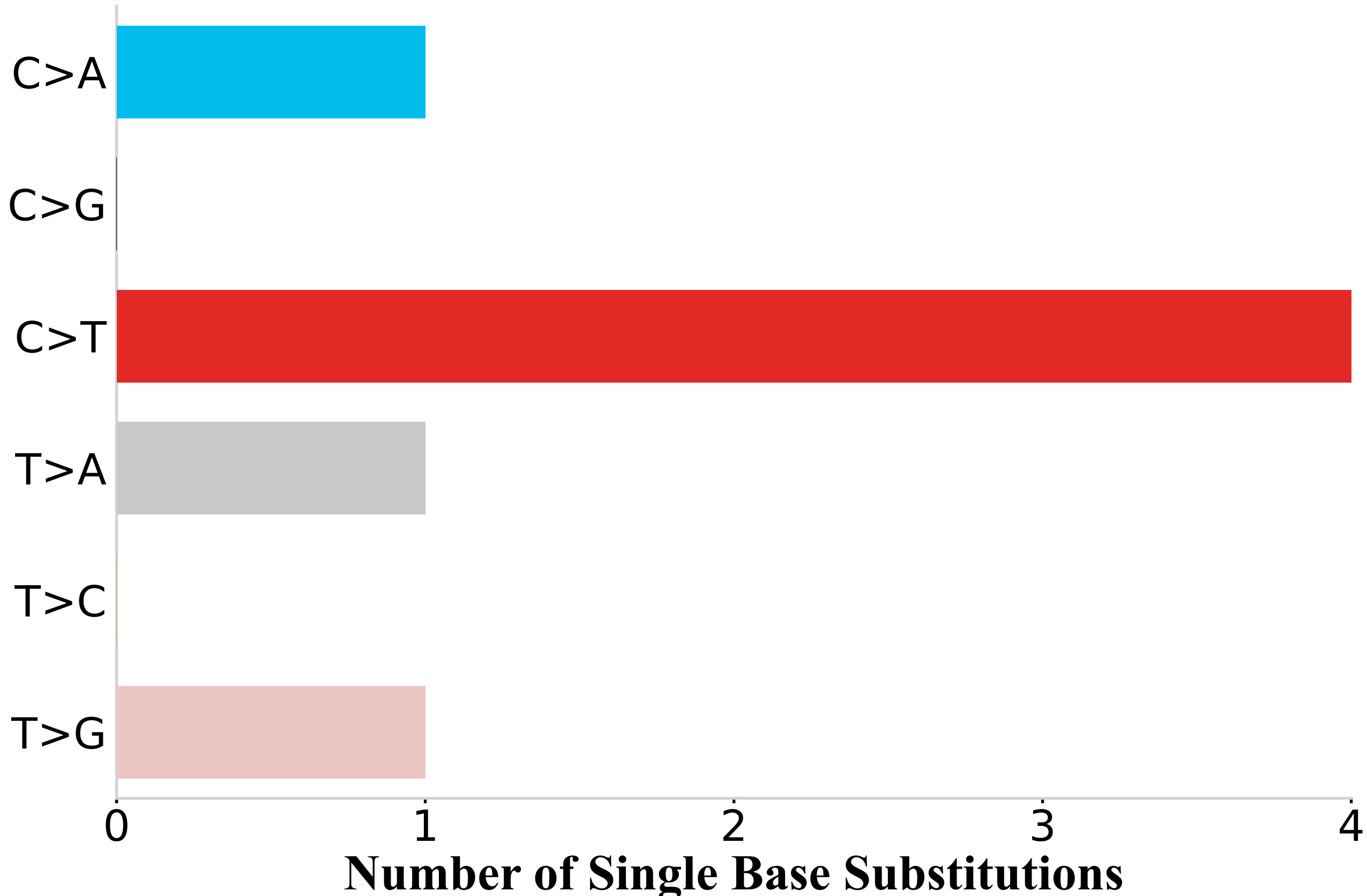
P-0022736-T01-IM6: 2 subs



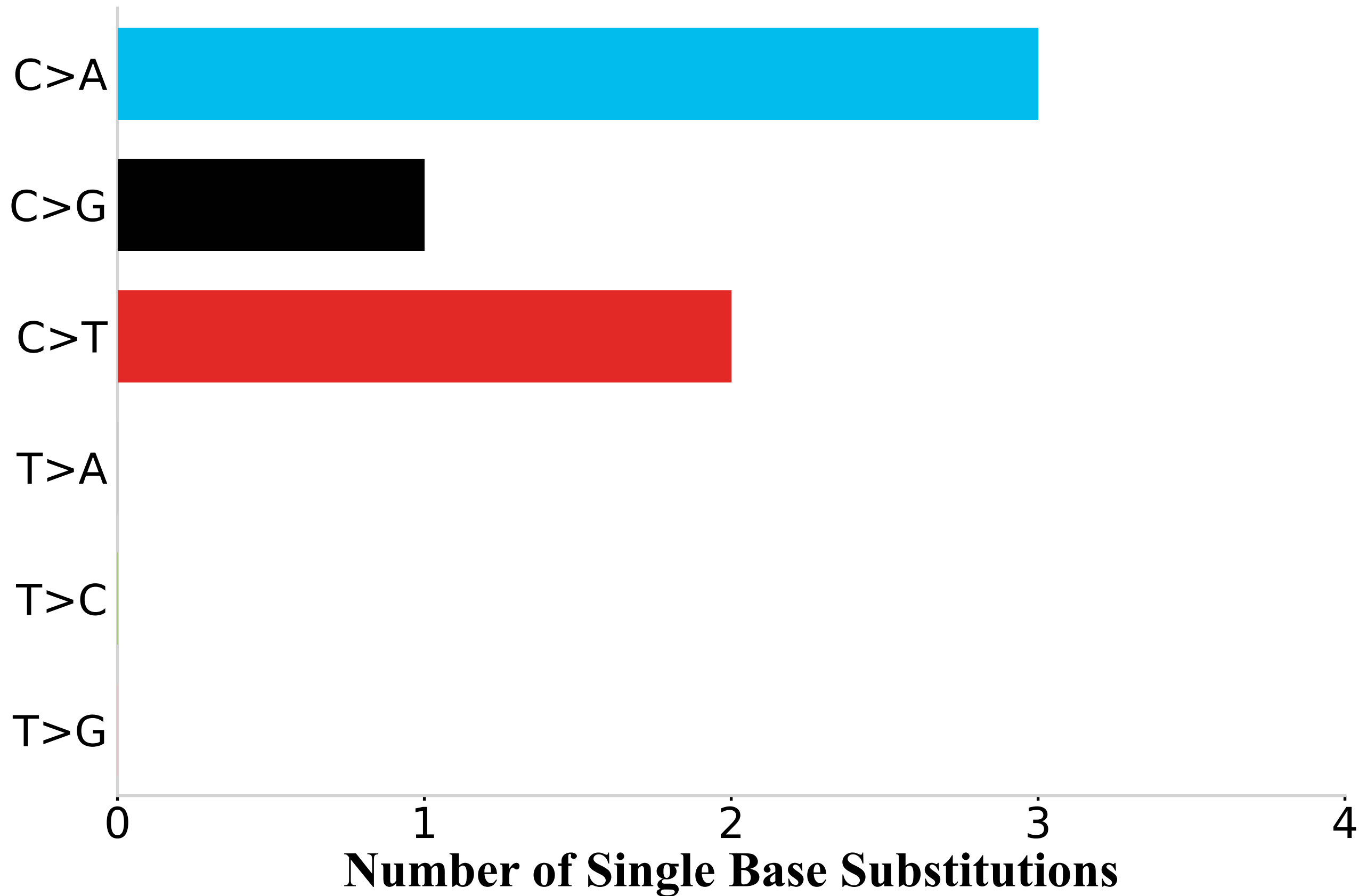
P-0023015-T01-IM6: 7 subs



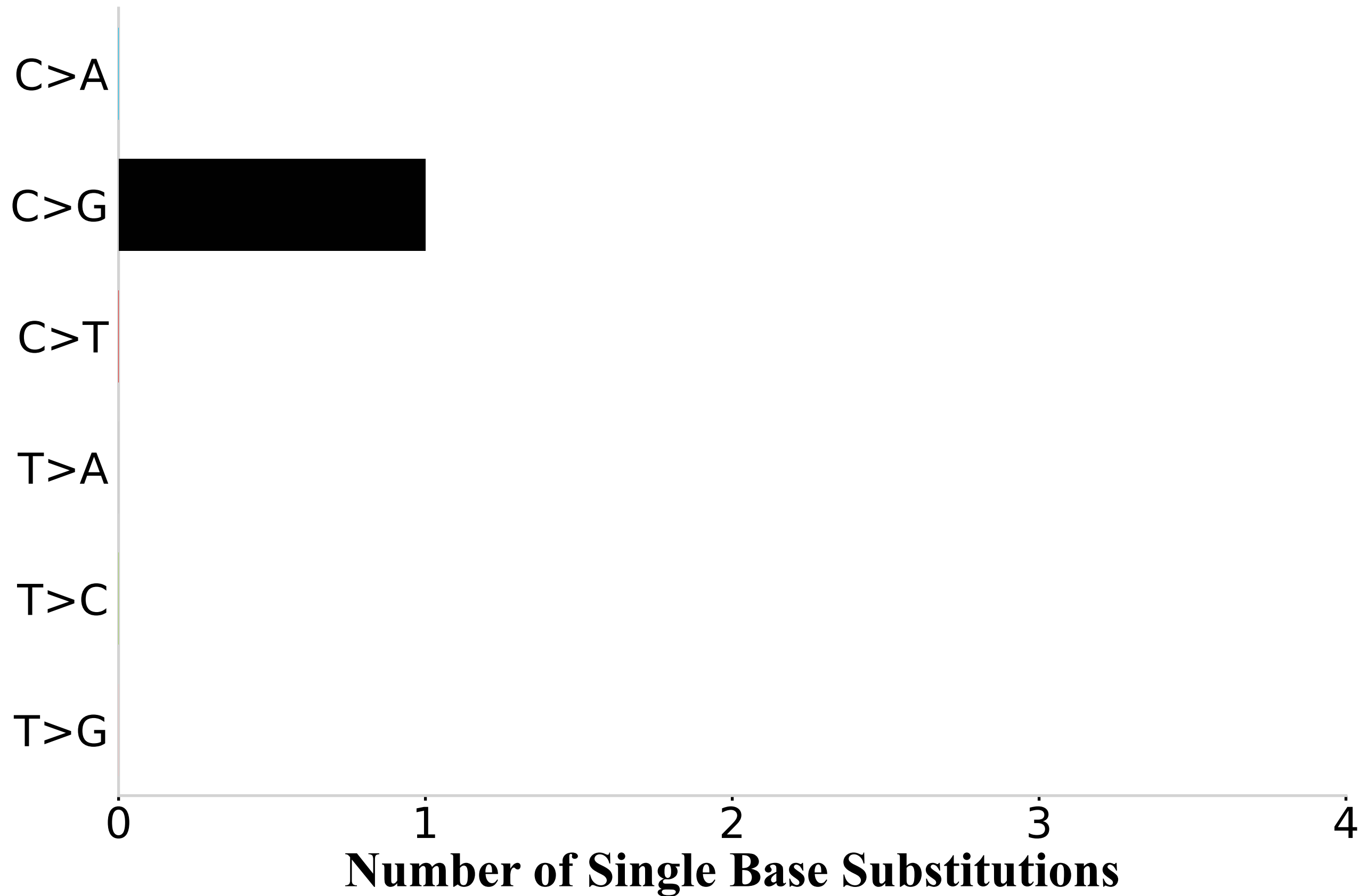
P-0023033-T01-IM6: 7 subs



P-0023557-T01-IM6: 6 subs



P-0023612-T01-IM6: 1 subs



P-0023636-T01-IM6: 2 subs

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C>T

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T>C

T>G

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2

3

4

Number of Single Base Substitutions



P-0023831-T01-IM6: 3 subs

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C>G

C>T

T>A

T>C

T>G

0

1

2

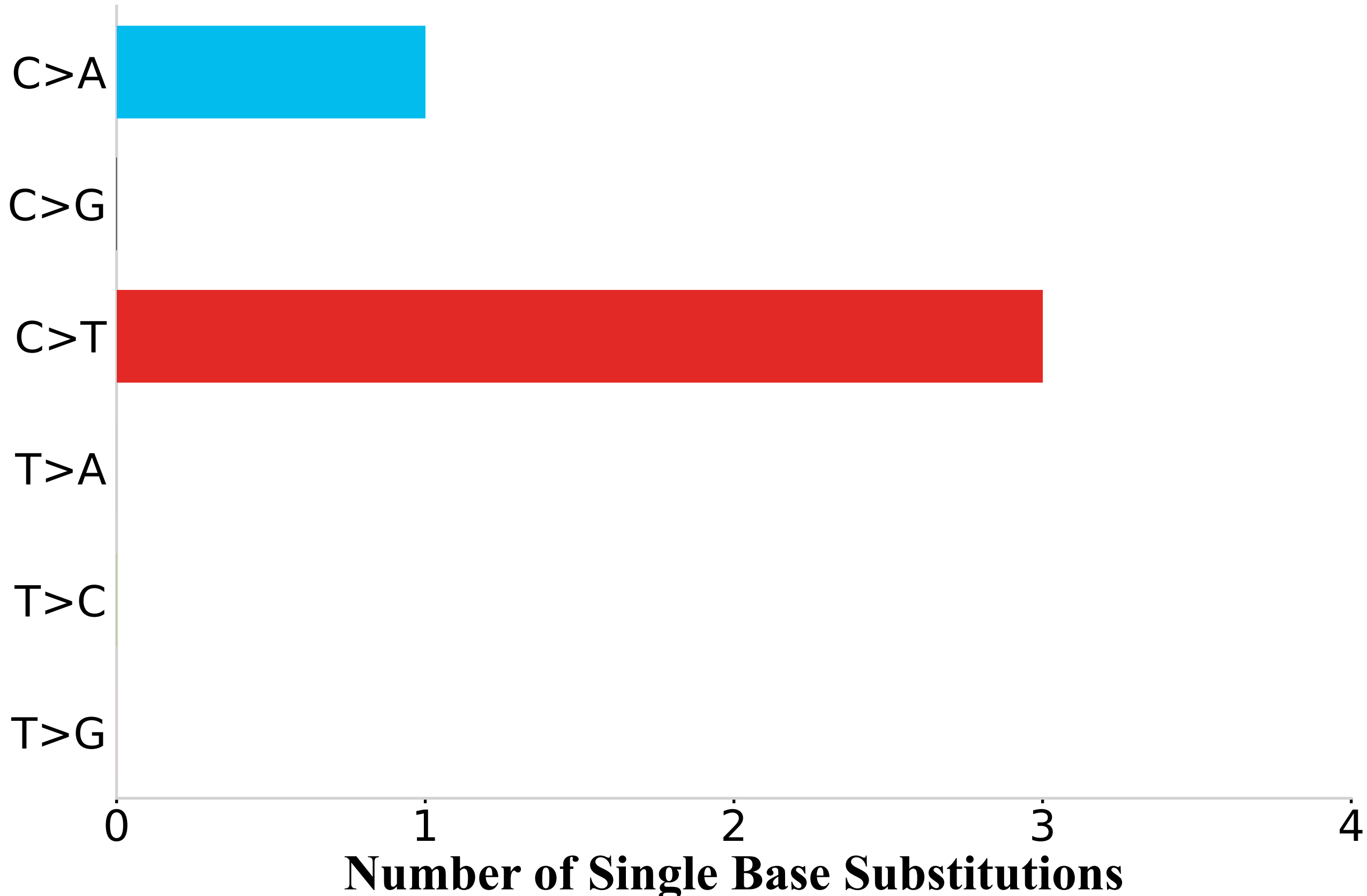
3

4

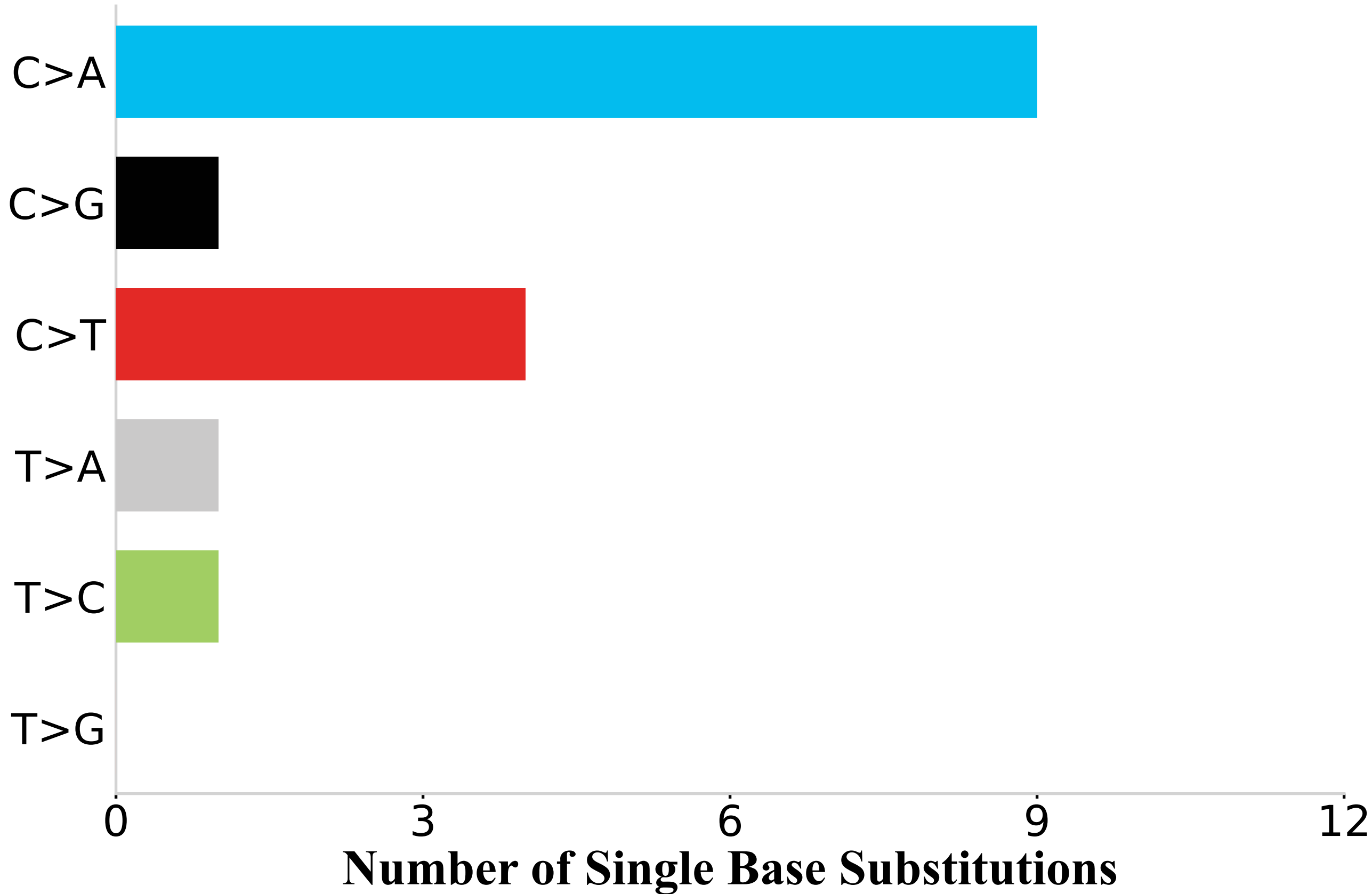
Number of Single Base Substitutions



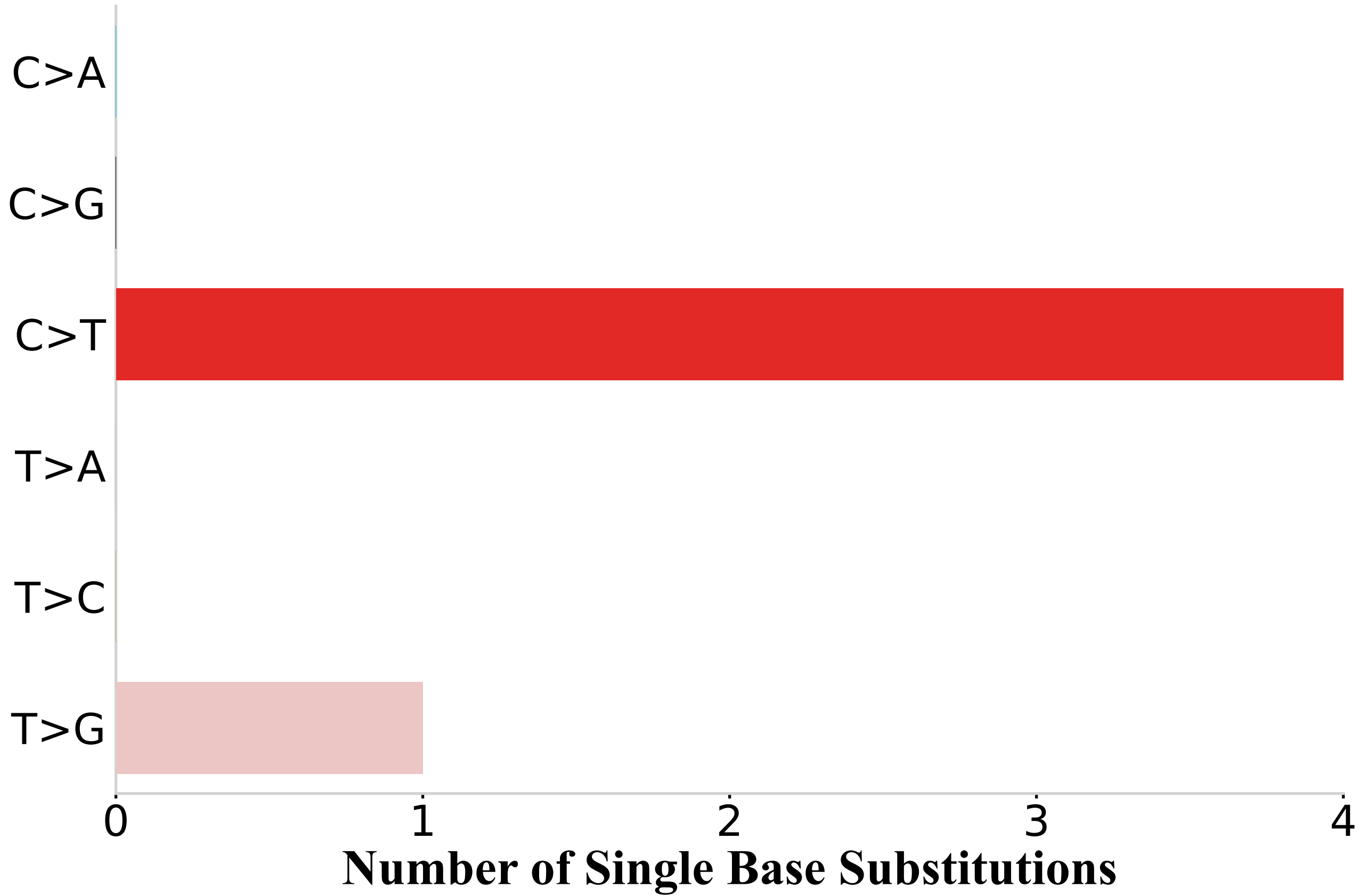
P-0023896-T01-IM6: 4 subs



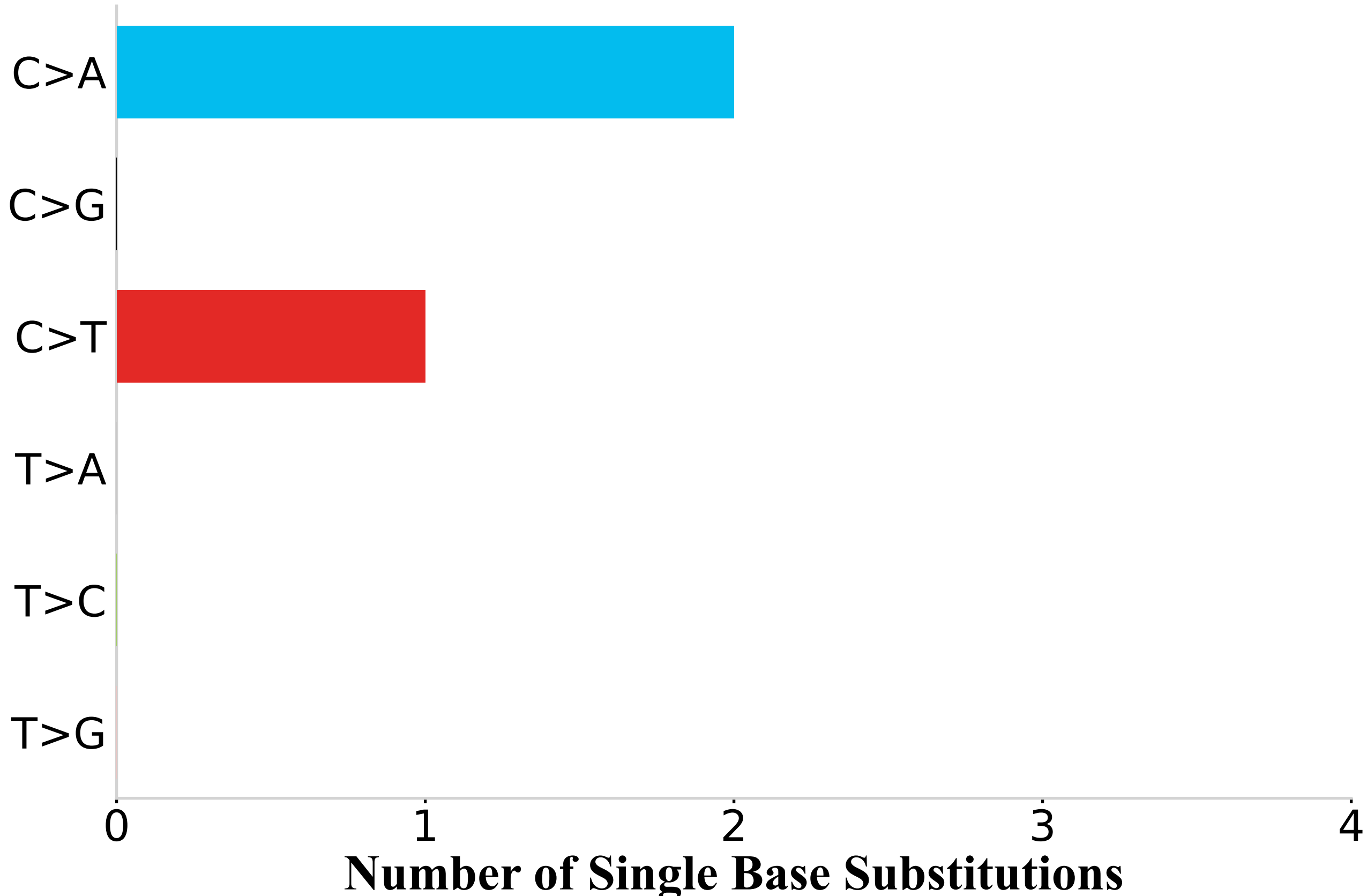
P-0023948-T01-IM6: 16 subs



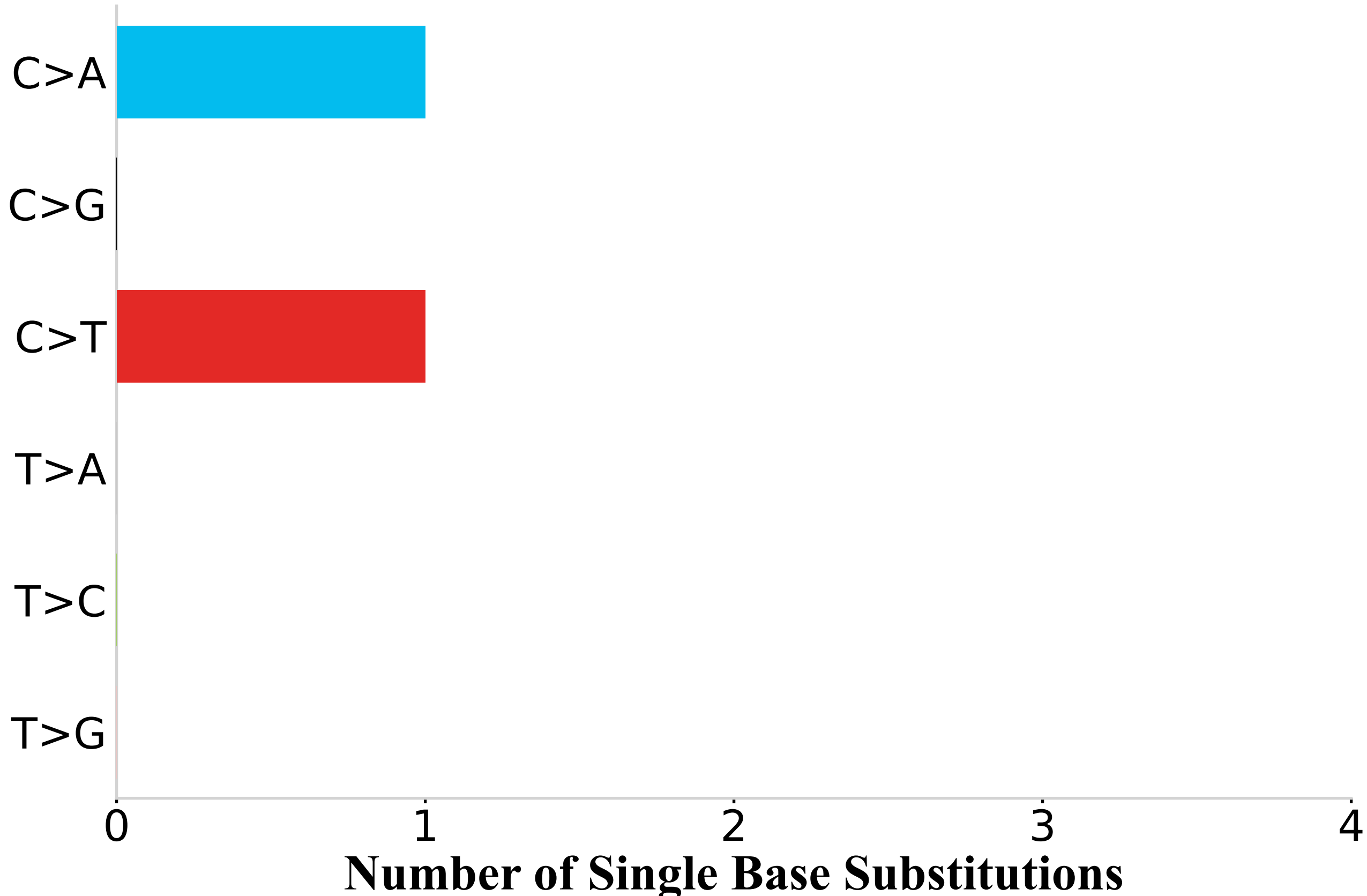
P-0024144-T01-IM6: 5 subs



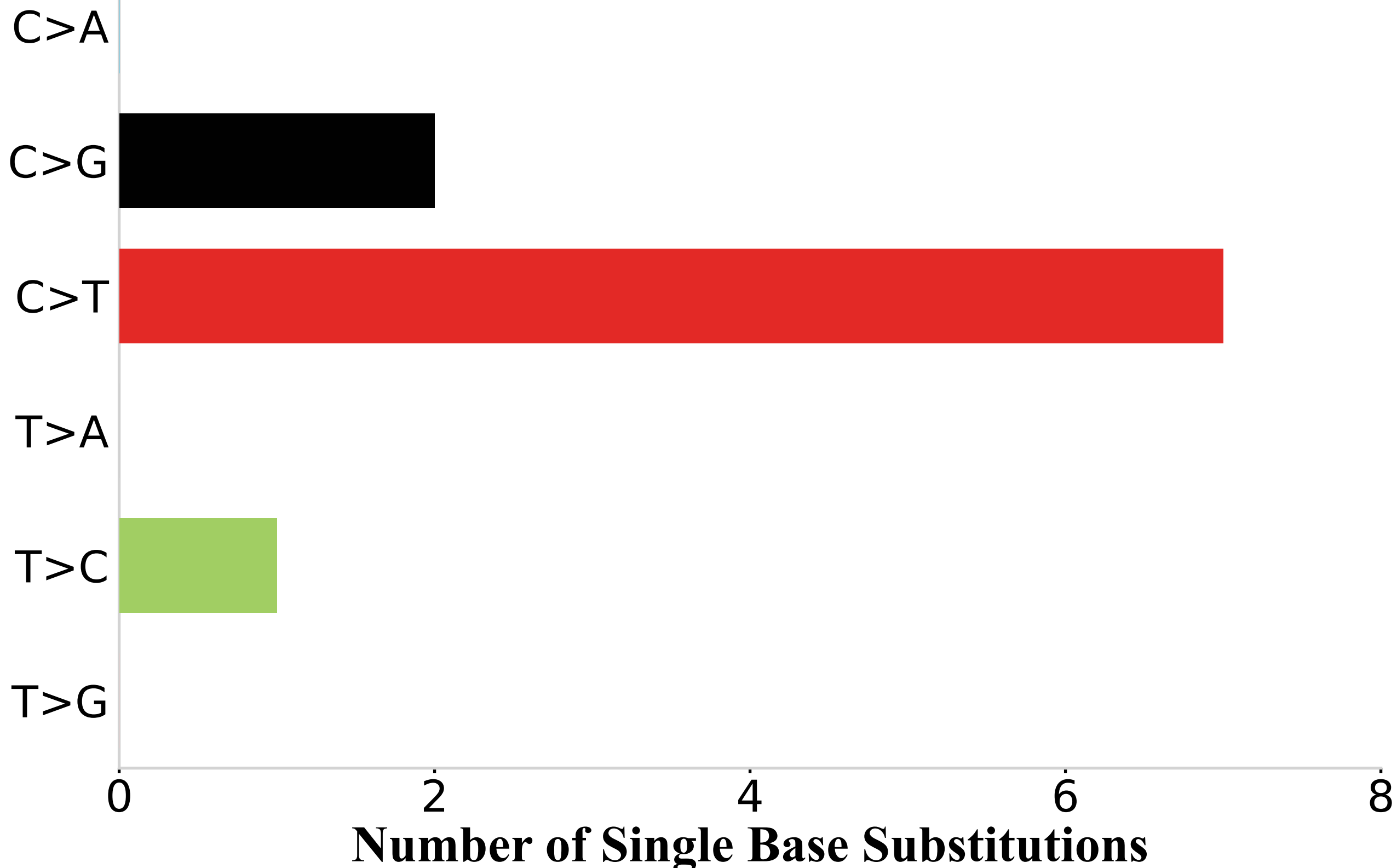
P-0024287-T01-IM6: 3 subs



P-0024362-T01-IM6: 2 subs



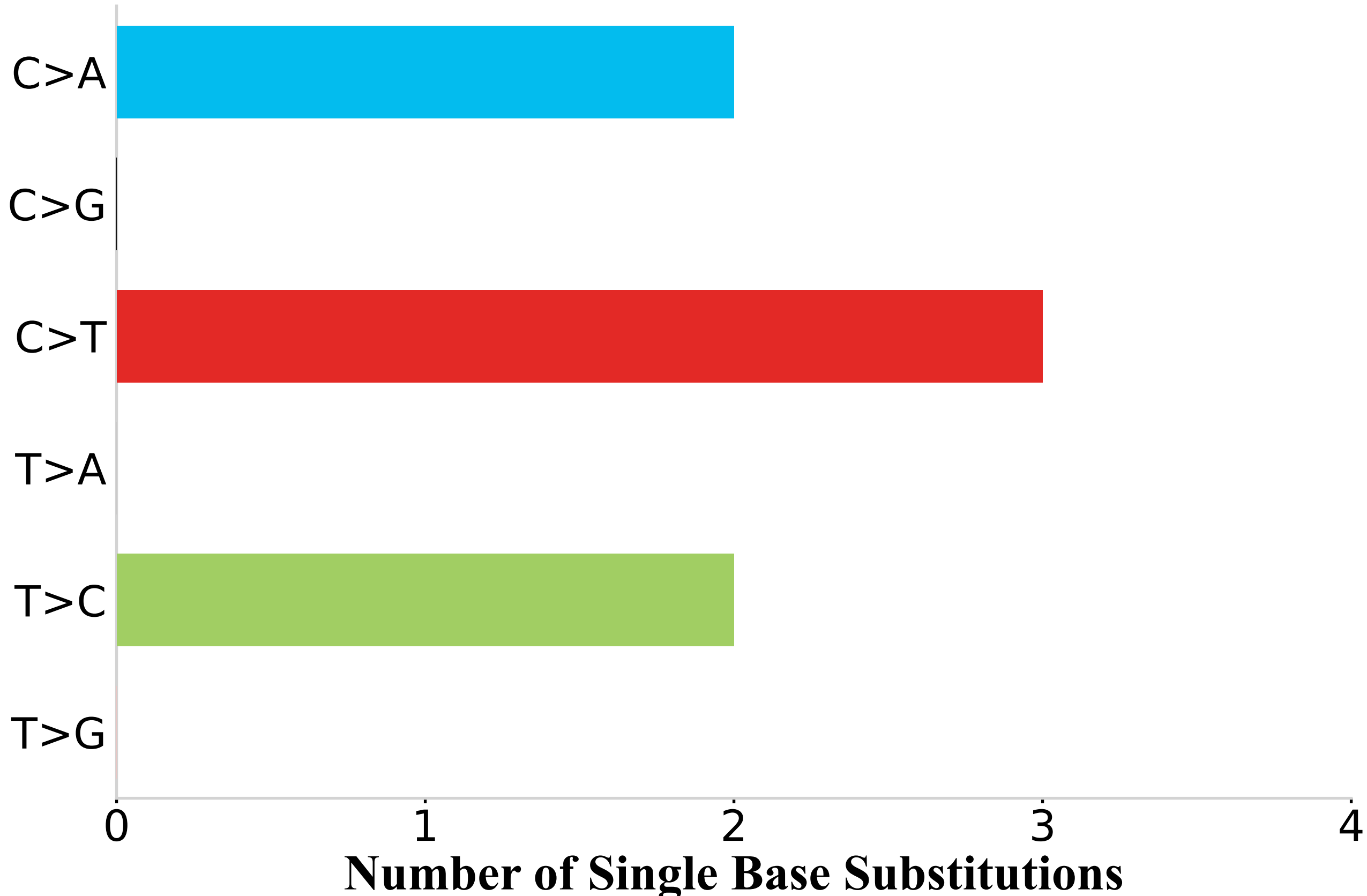
P-0024576-T01-IM6: 10 subs



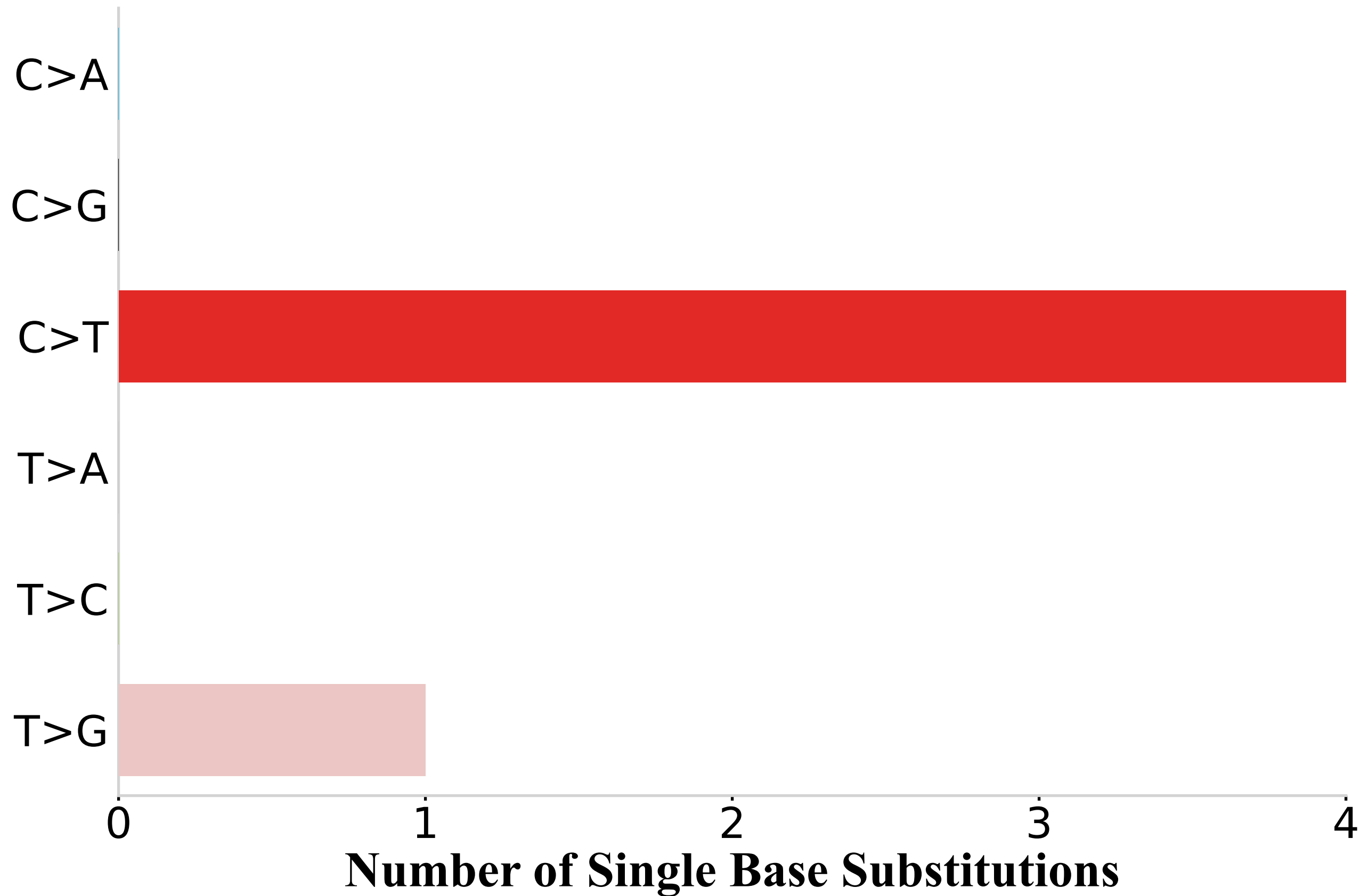
P-0024584-T01-IM6: 1 subs



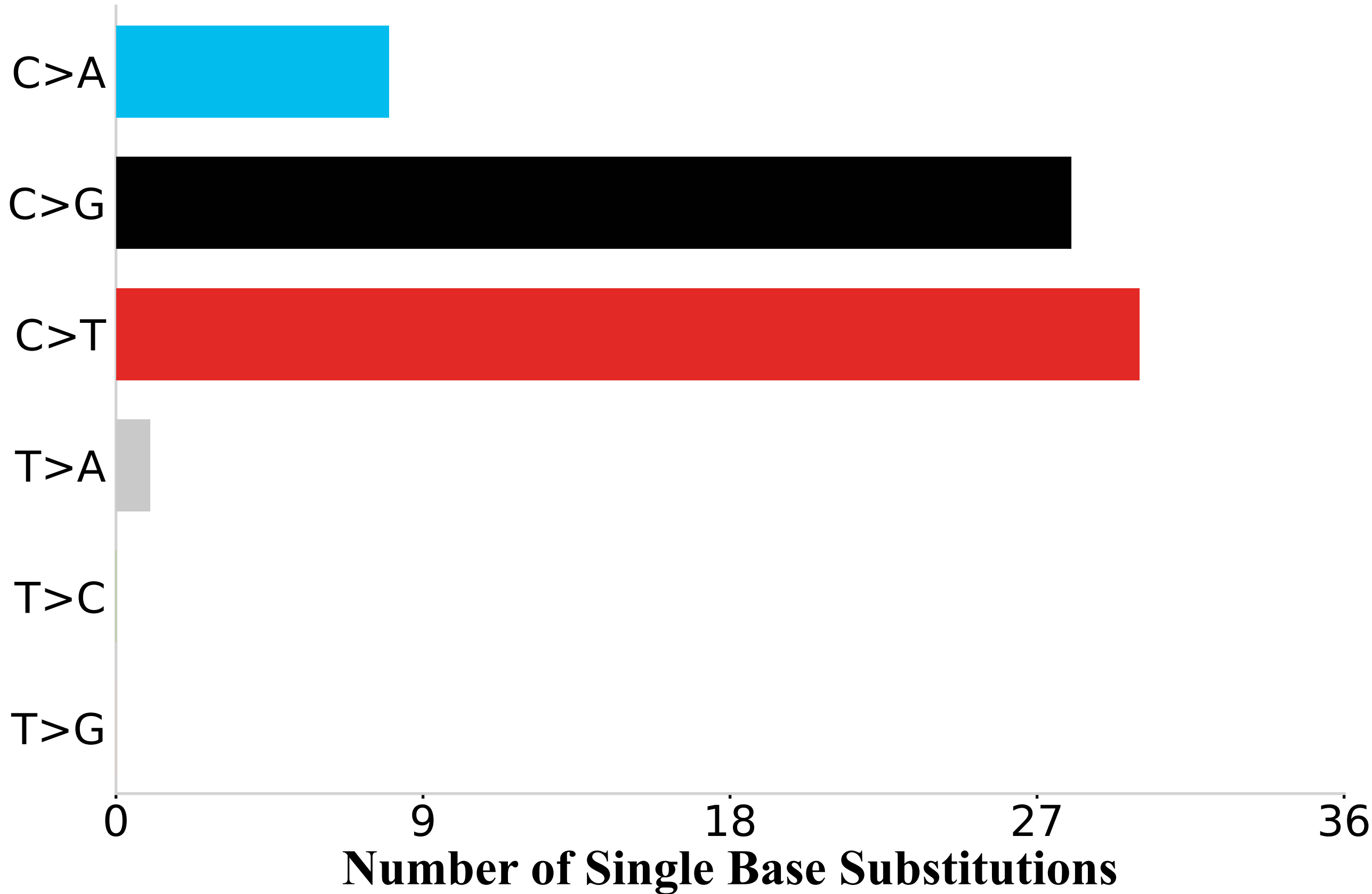
P-0024682-T01-IM6: 7 subs



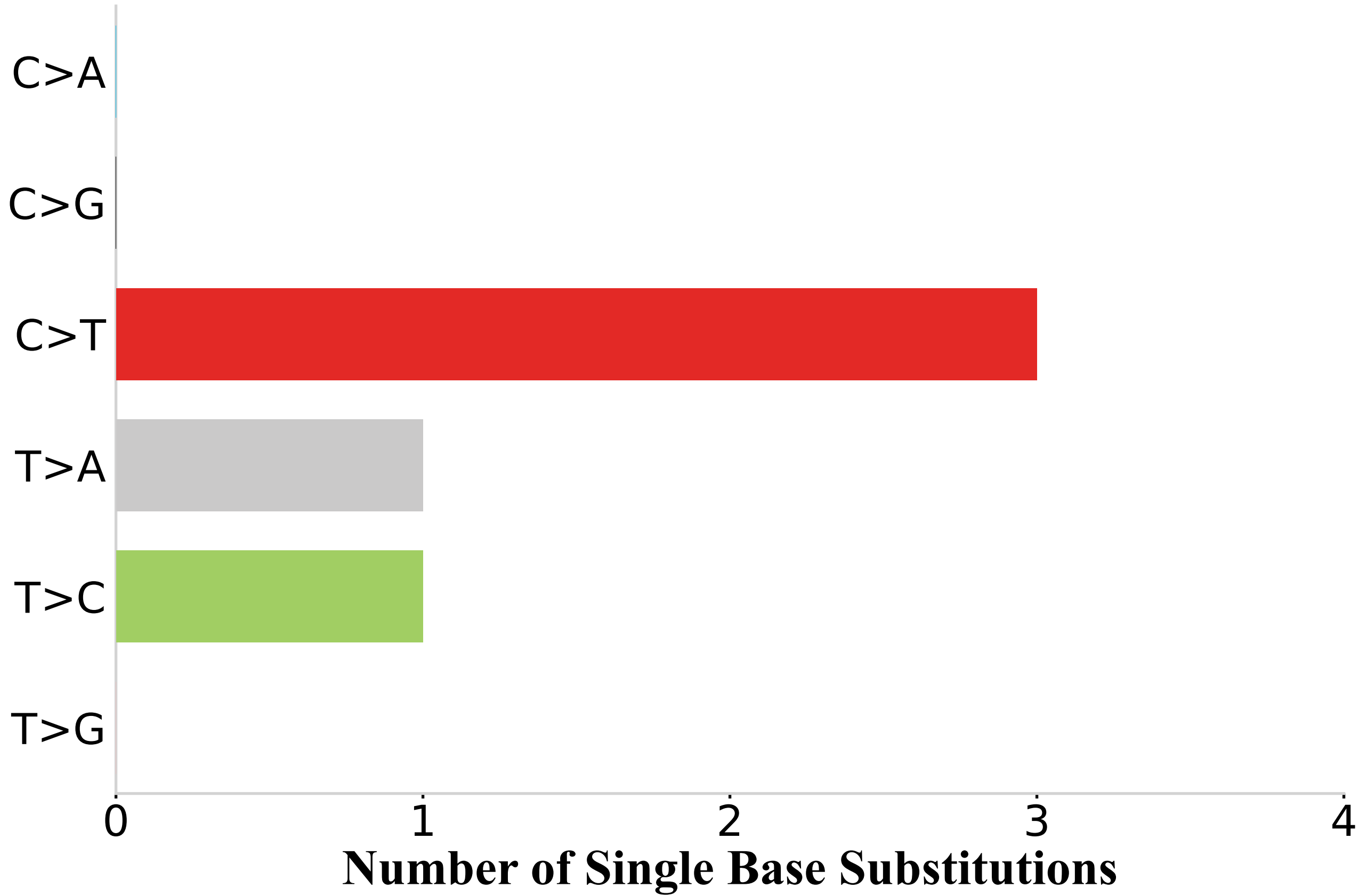
P-0024766-T01-IM6: 5 subs



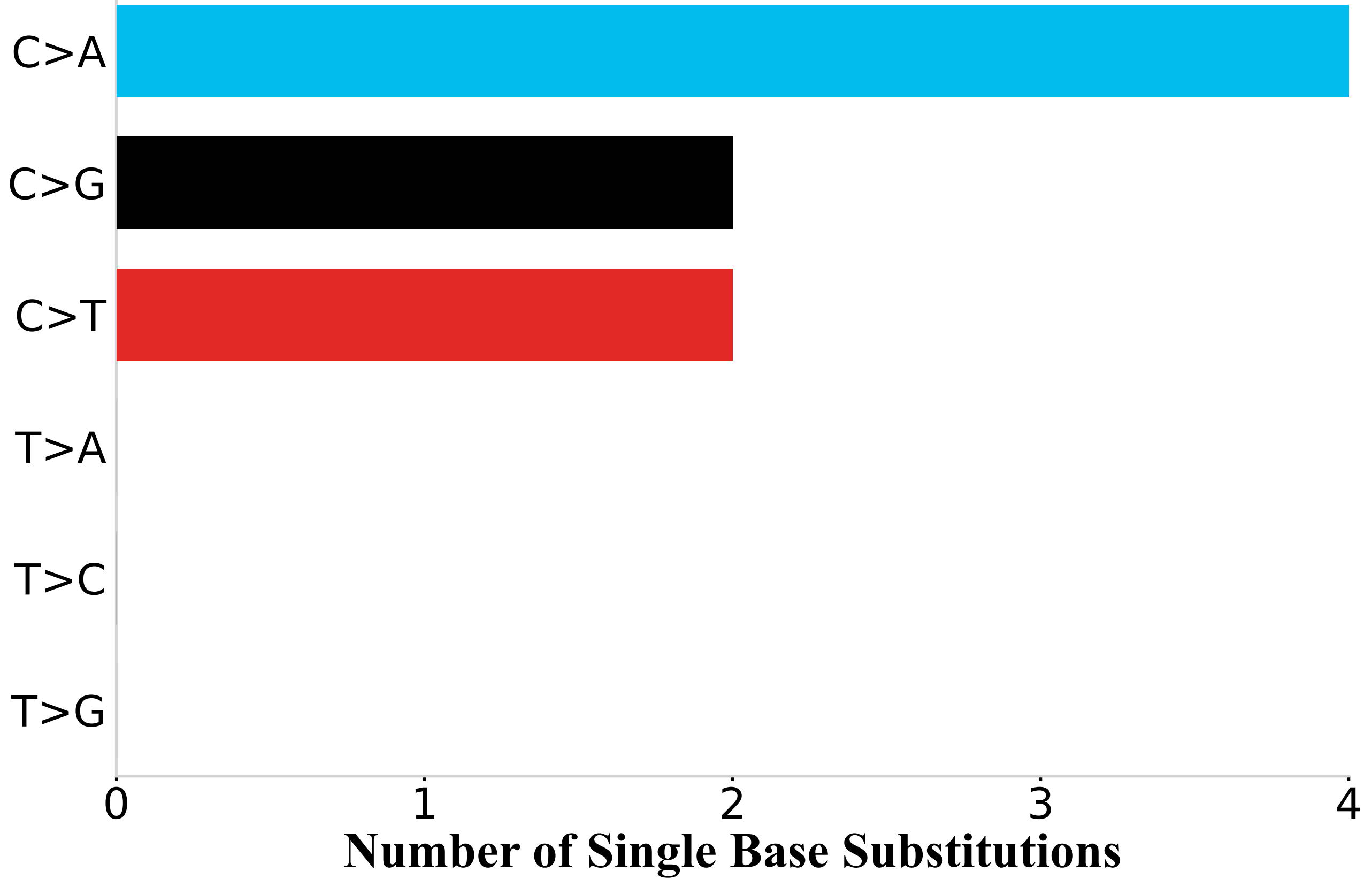
P-0024866-T01-IM6: 67 subs



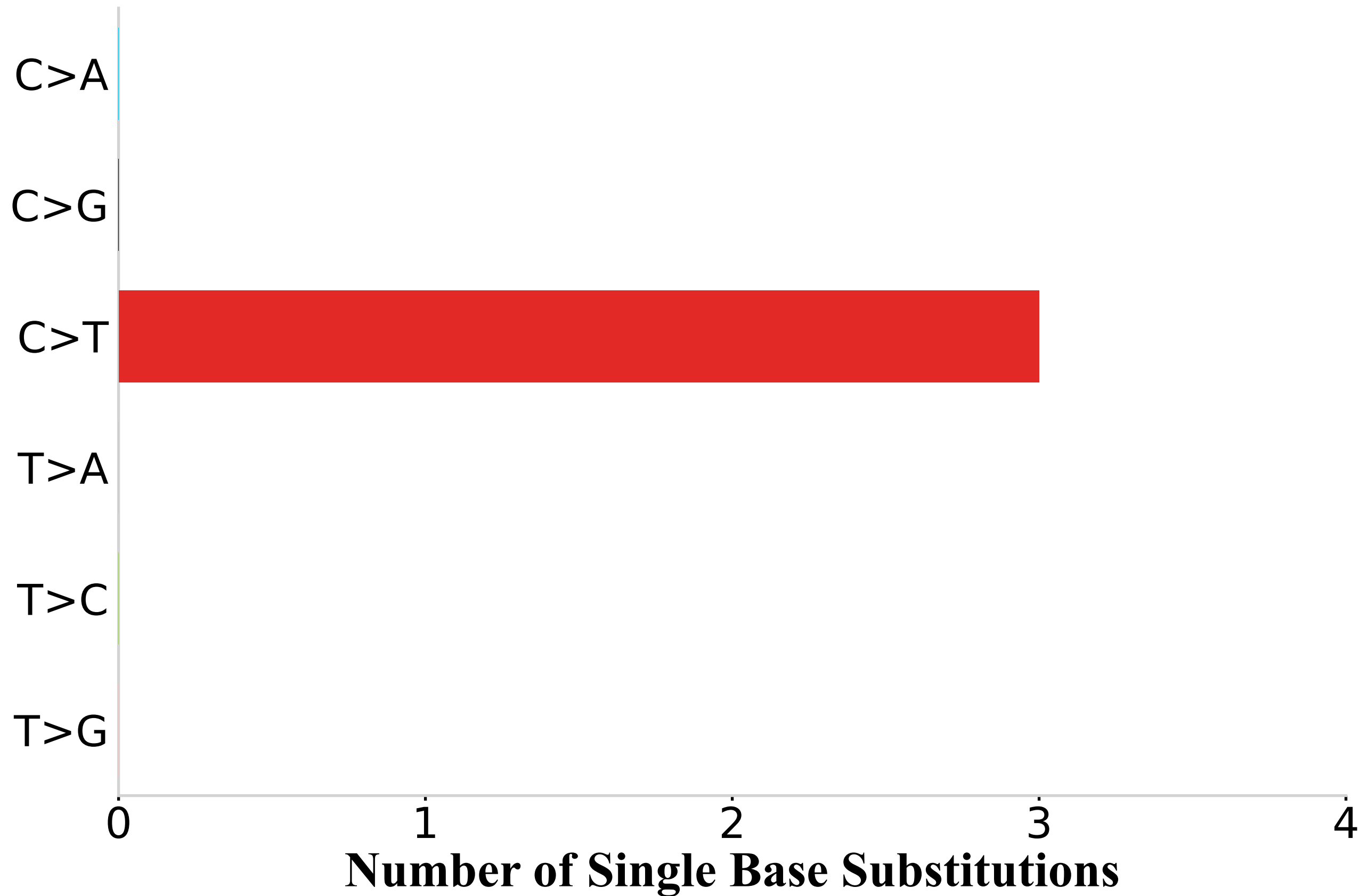
P-0024981-T01-IM6: 5 subs



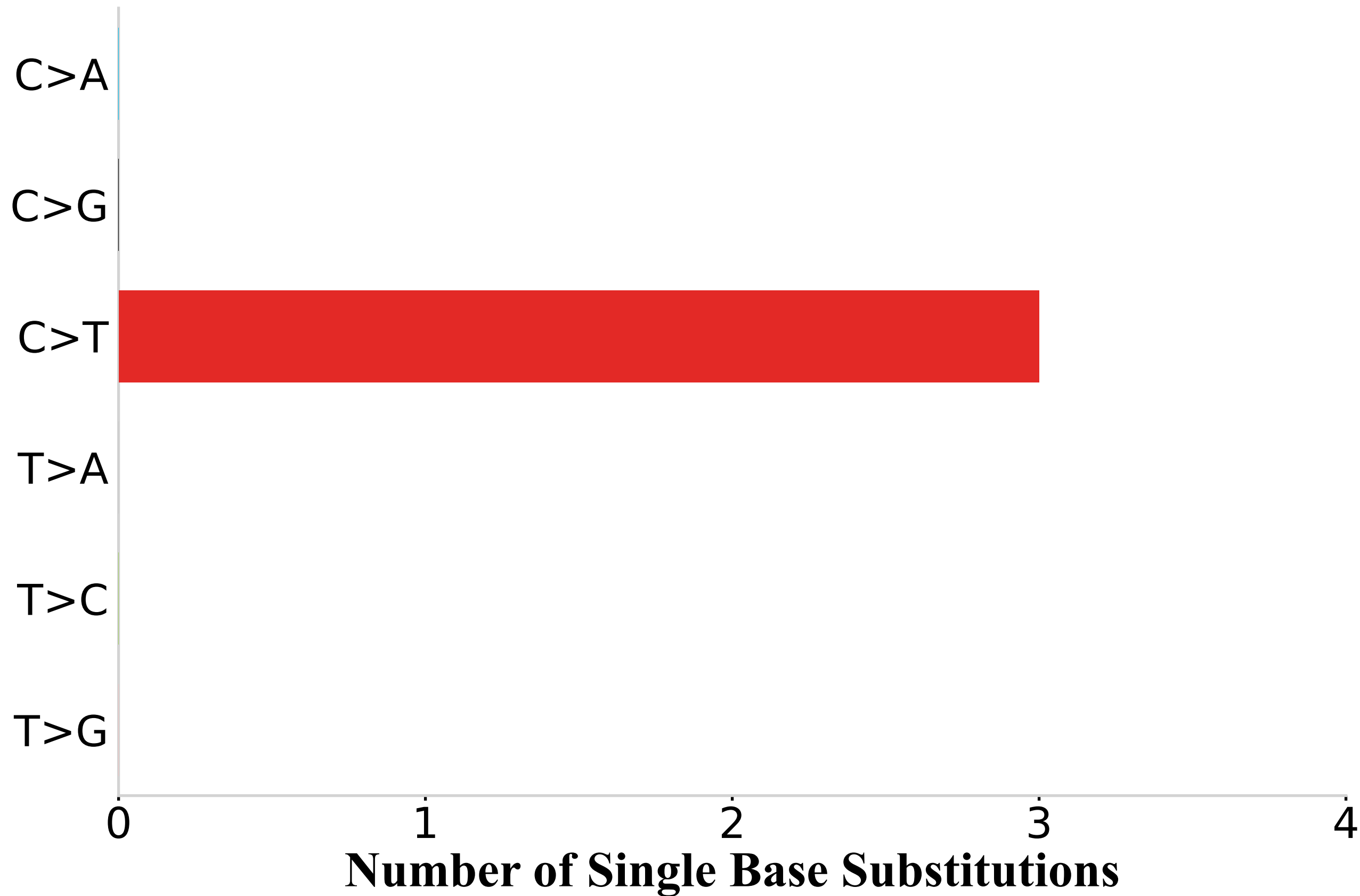
P-0024993-T01-IM6: 8 subs



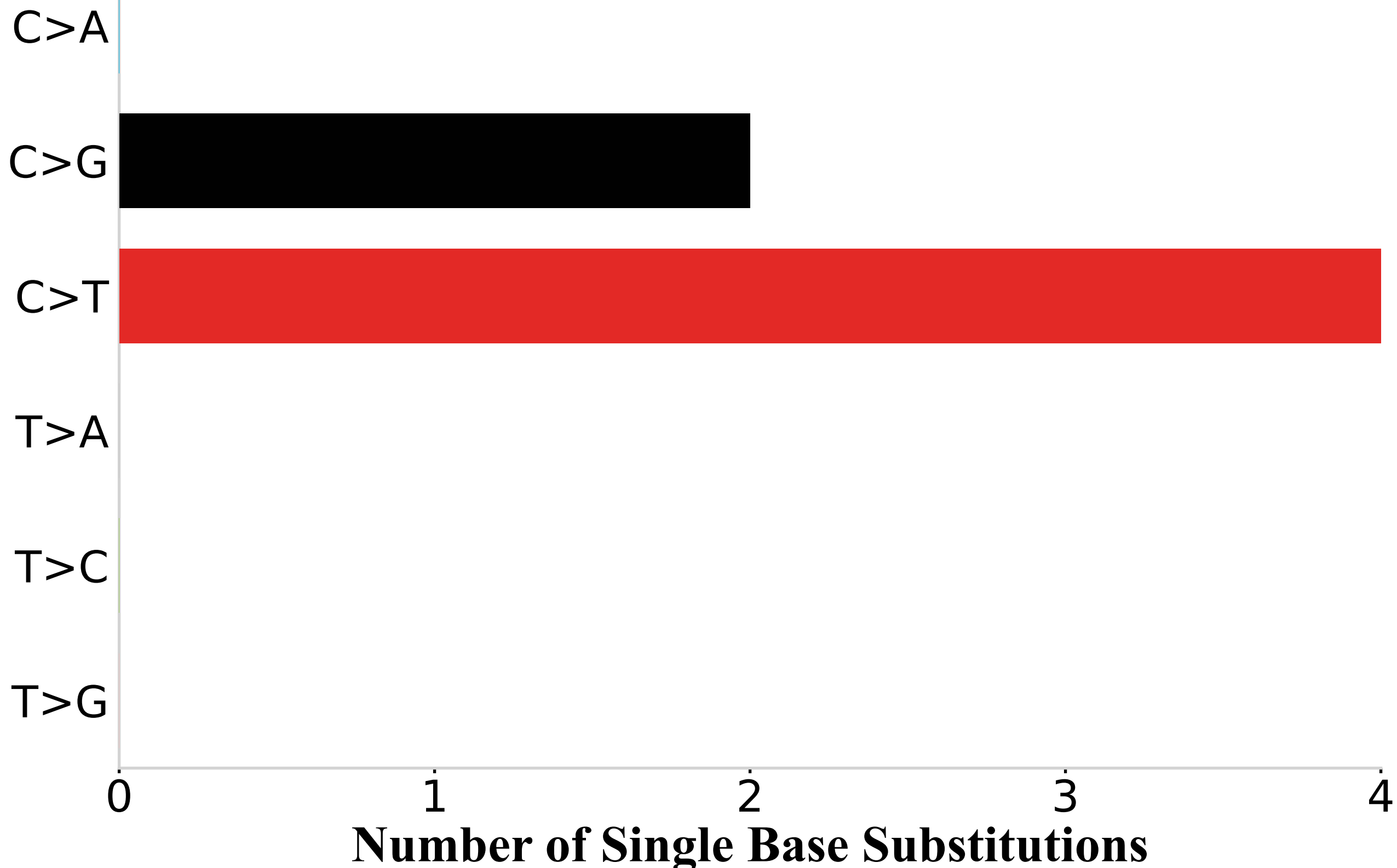
P-0025009-T01-IM6: 3 subs



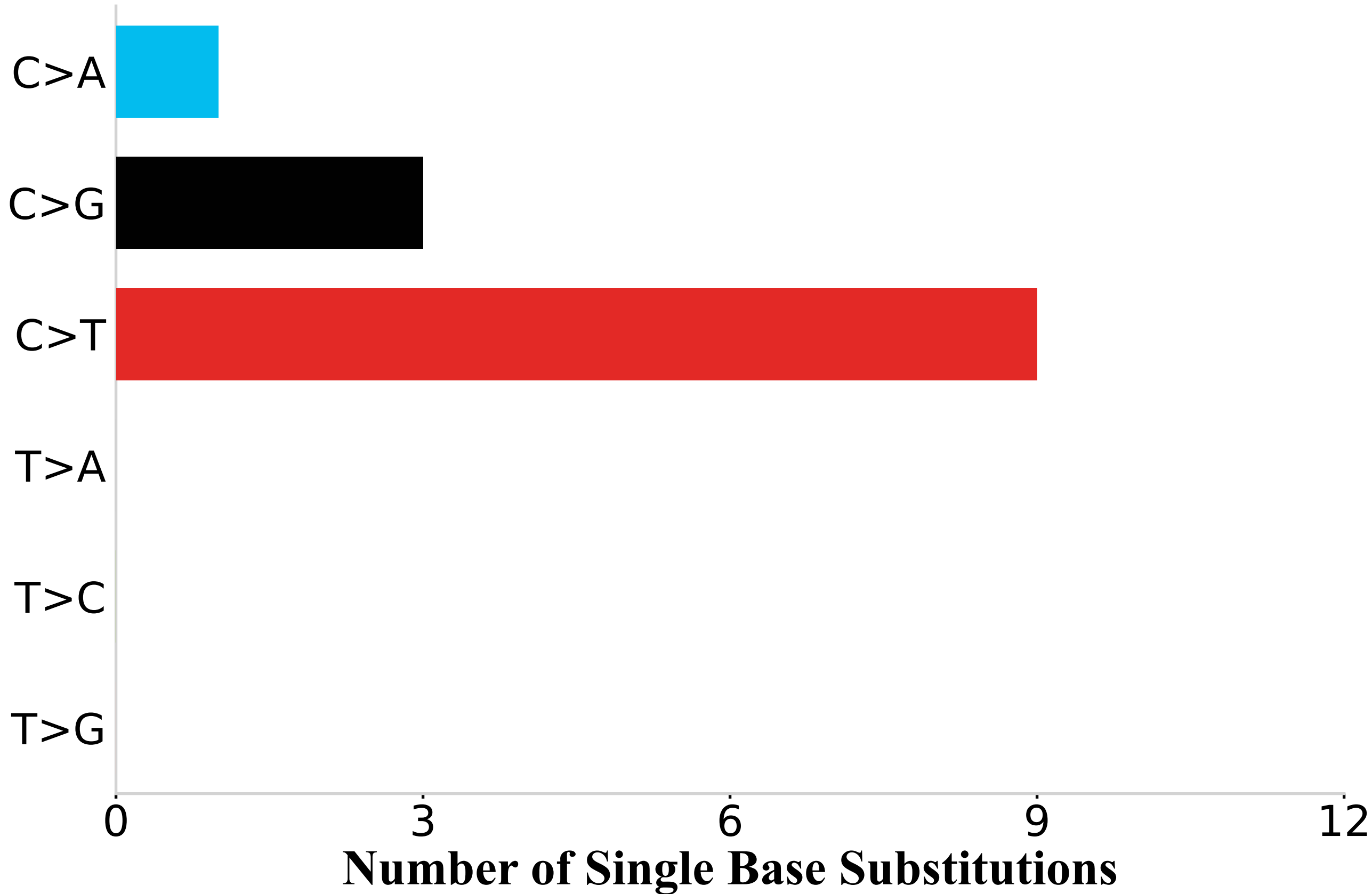
P-0025258-T01-IM6: 3 subs



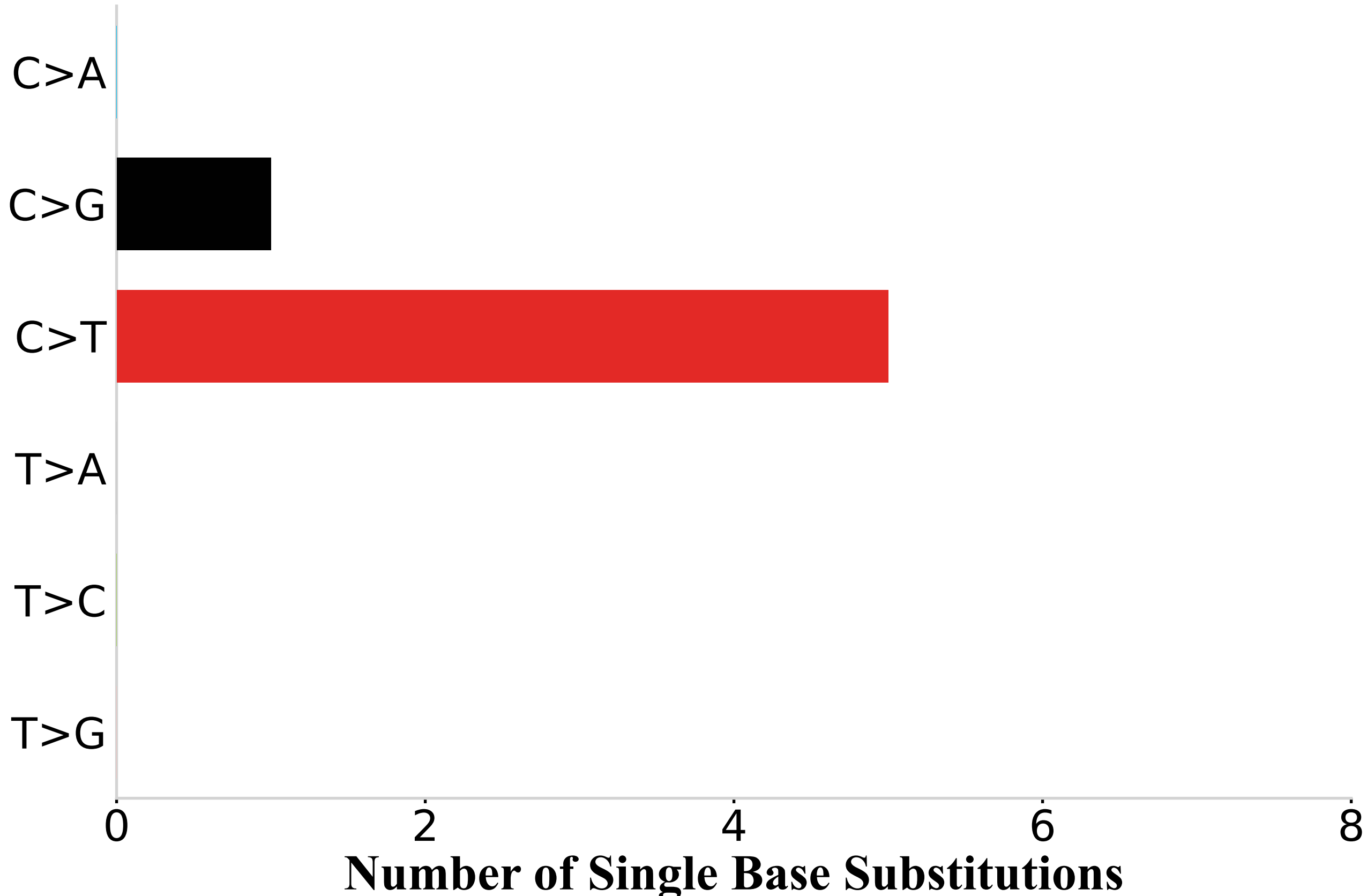
P-0025345-T01-IM6: 6 subs



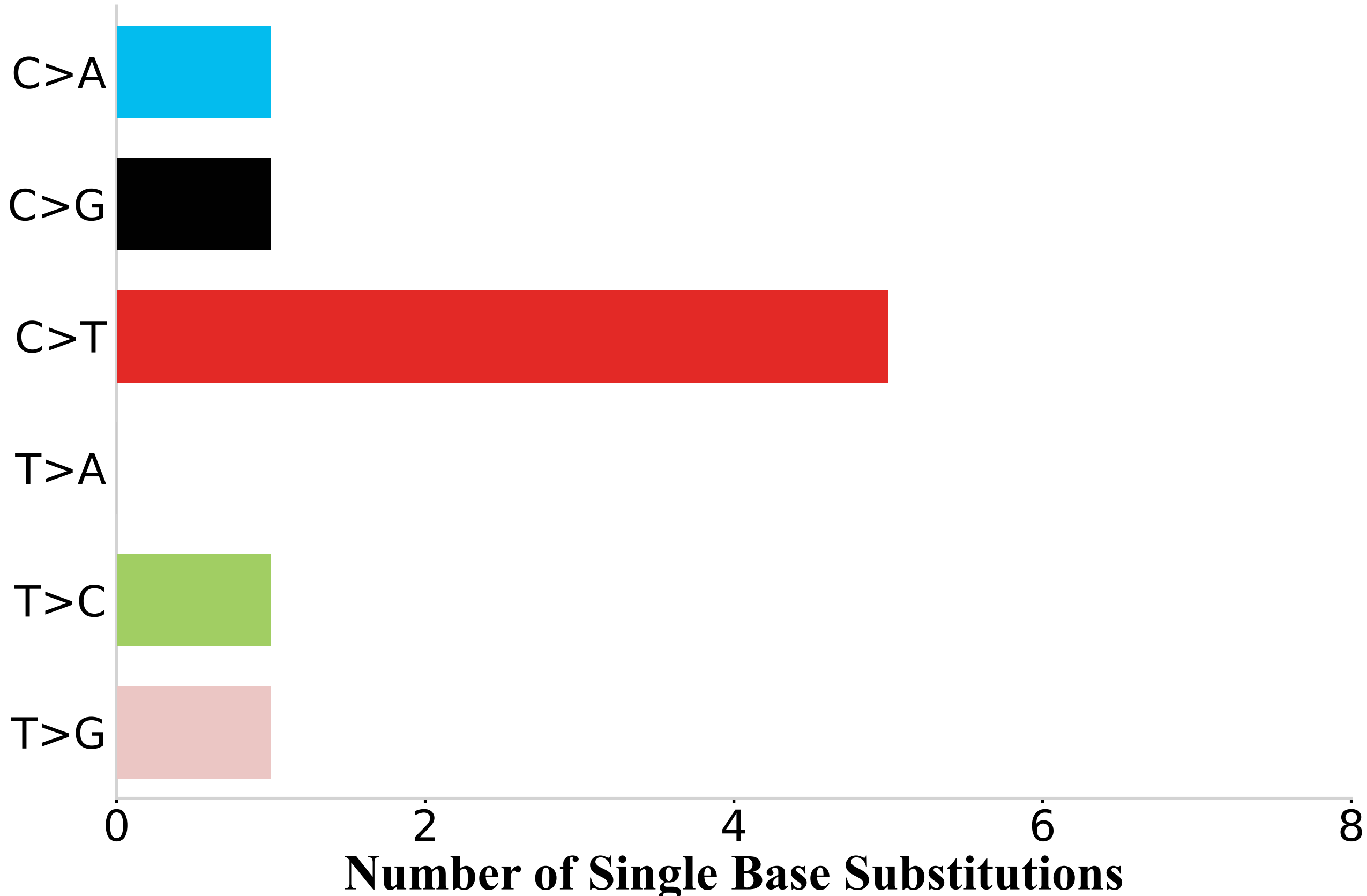
P-0025373-T01-IM6: 13 subs



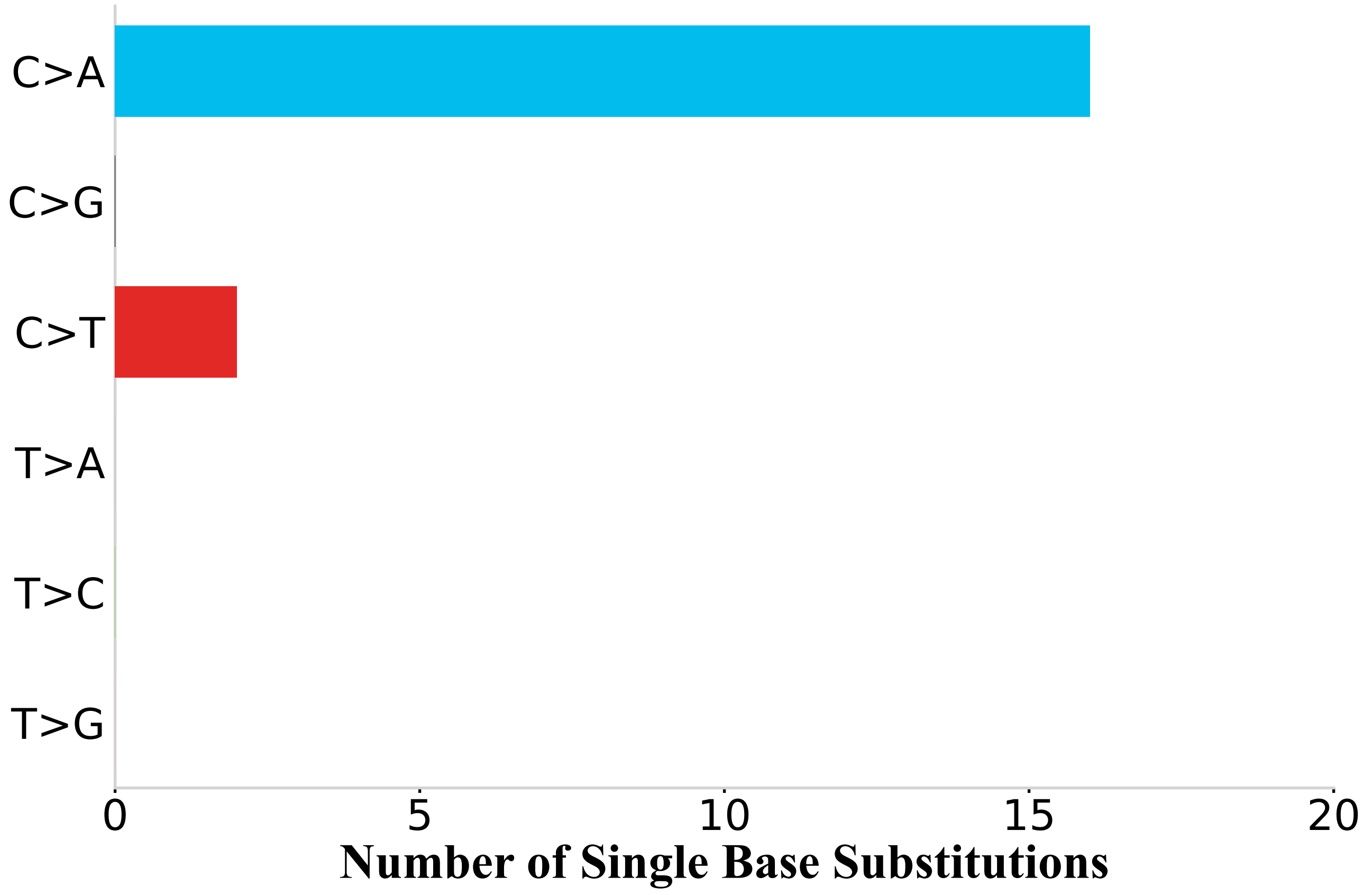
P-0025484-T01-IM6: 6 subs



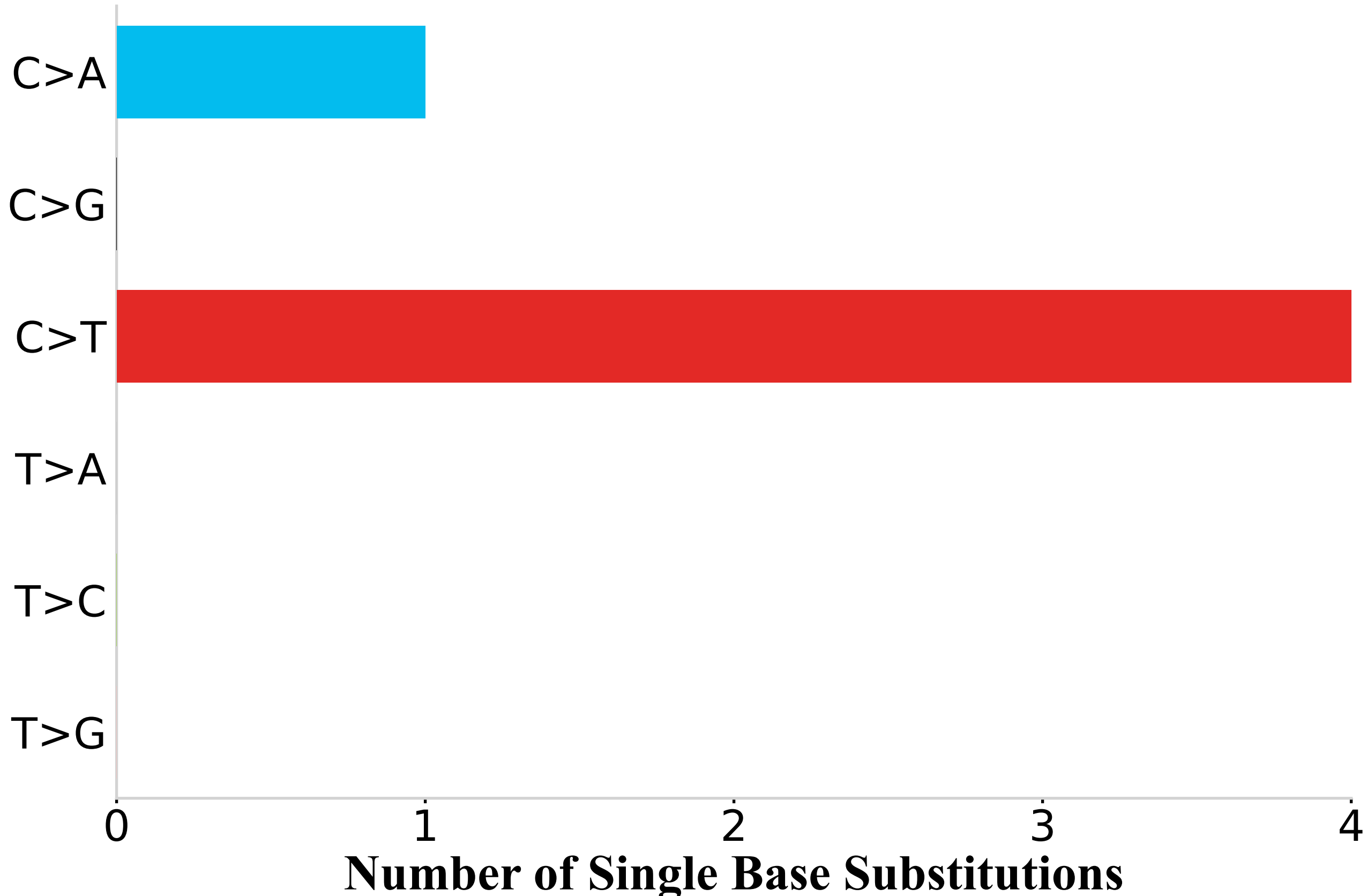
P-0025544-T01-IM6: 9 subs



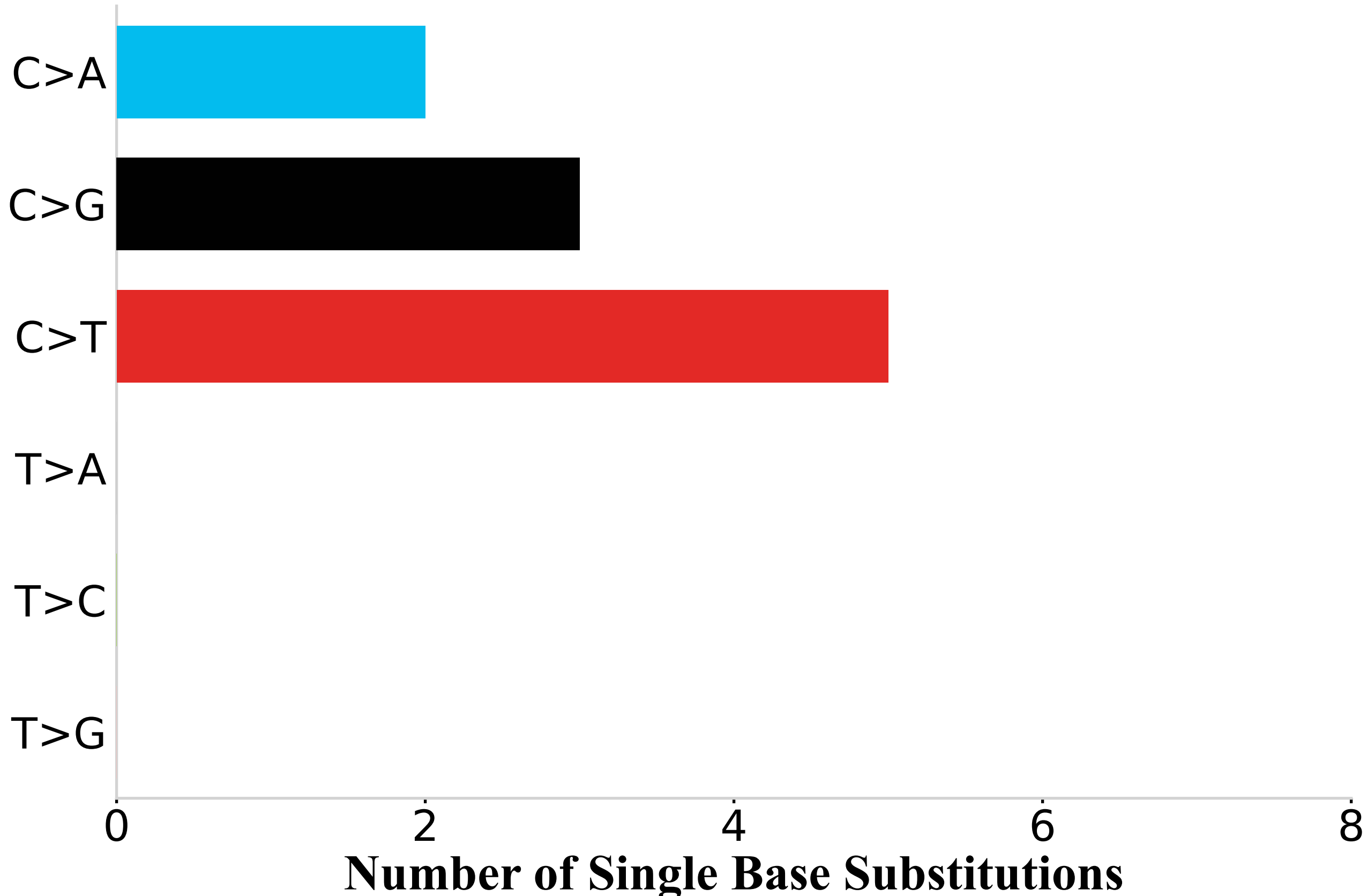
P-0025656-T01-IM6: 18 subs



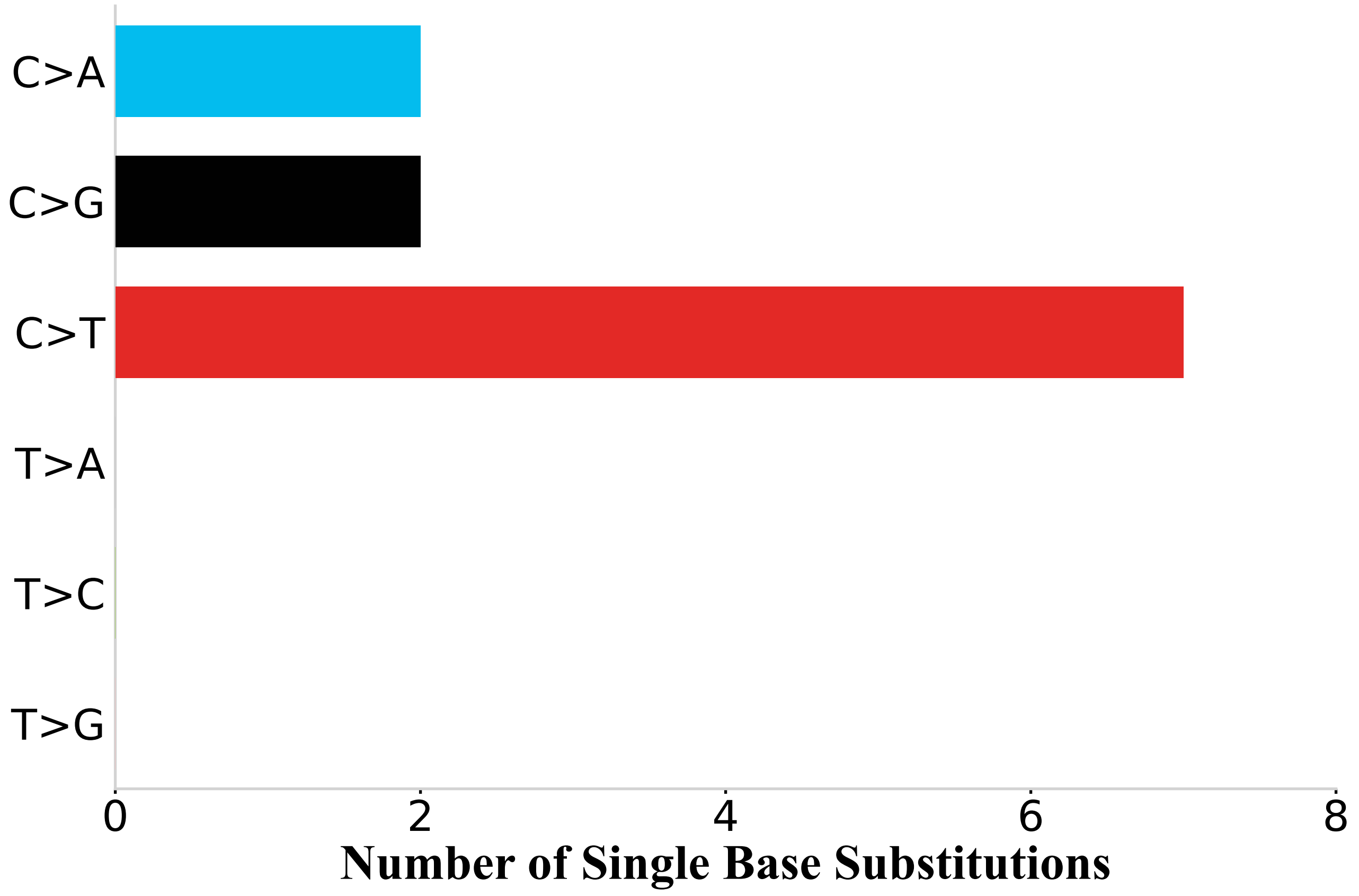
P-0025720-T01-IM6: 5 subs



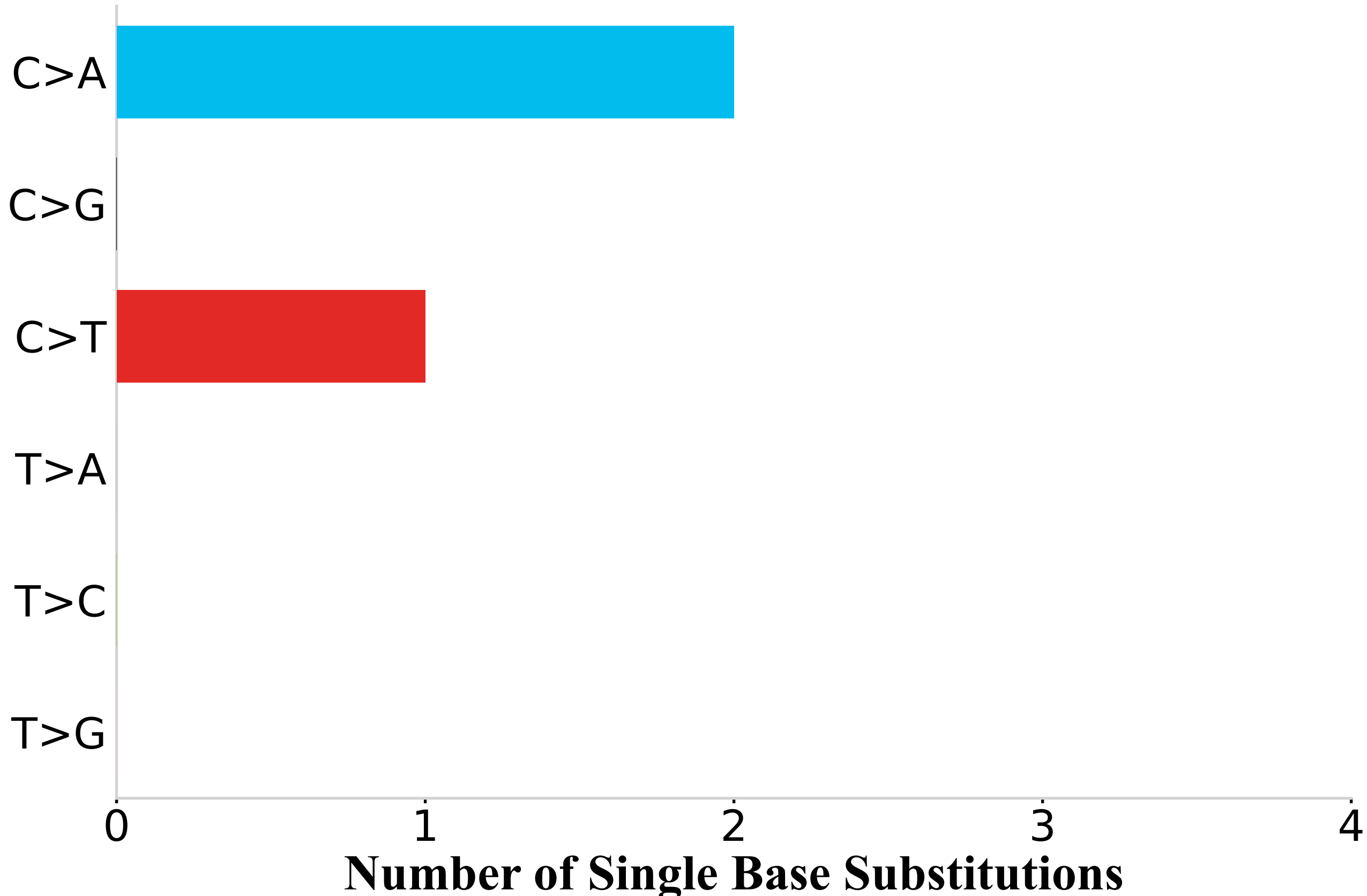
P-0025891-T01-IM6: 10 subs



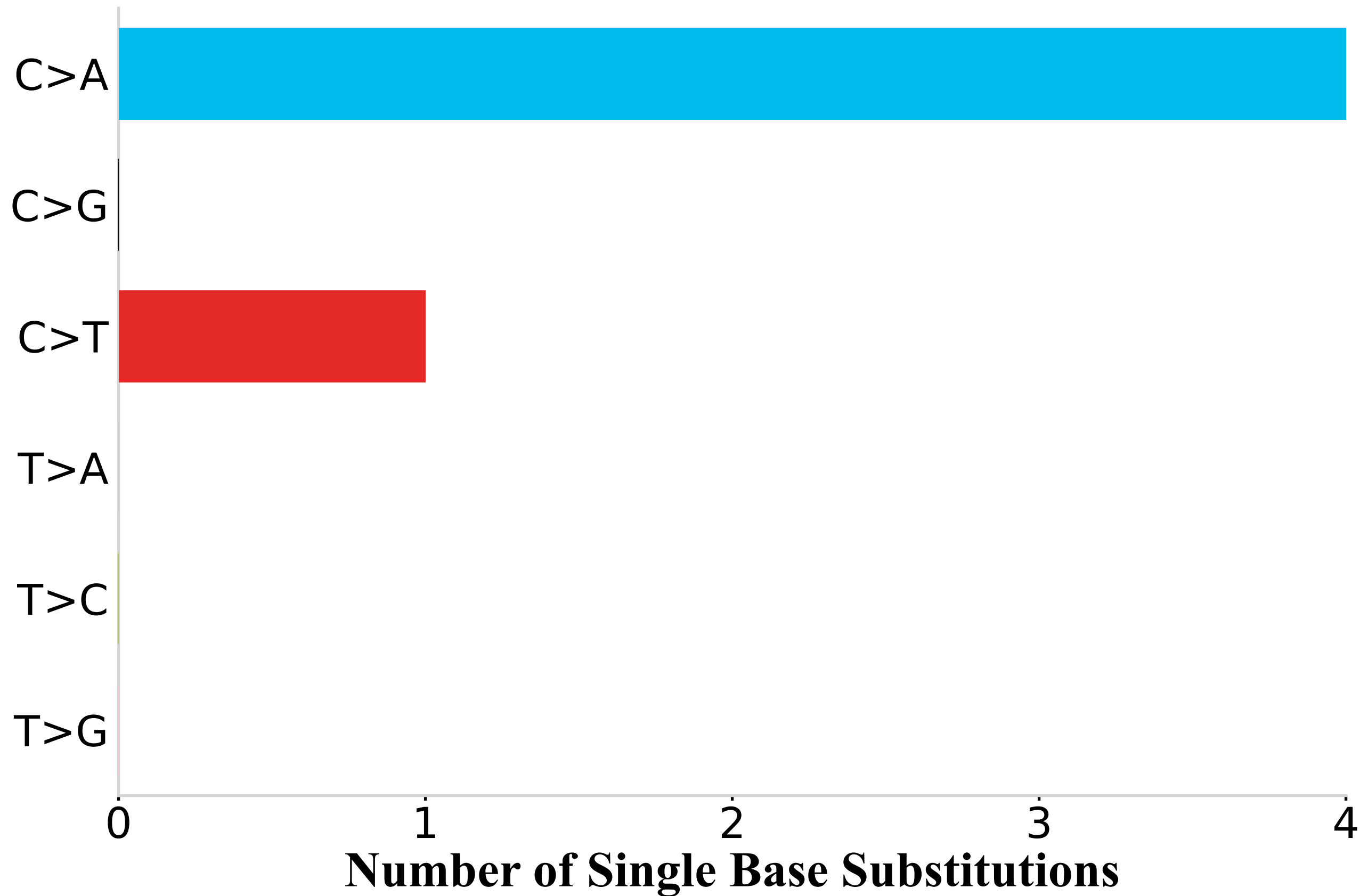
P-0025902-T01-IM6: 11 subs



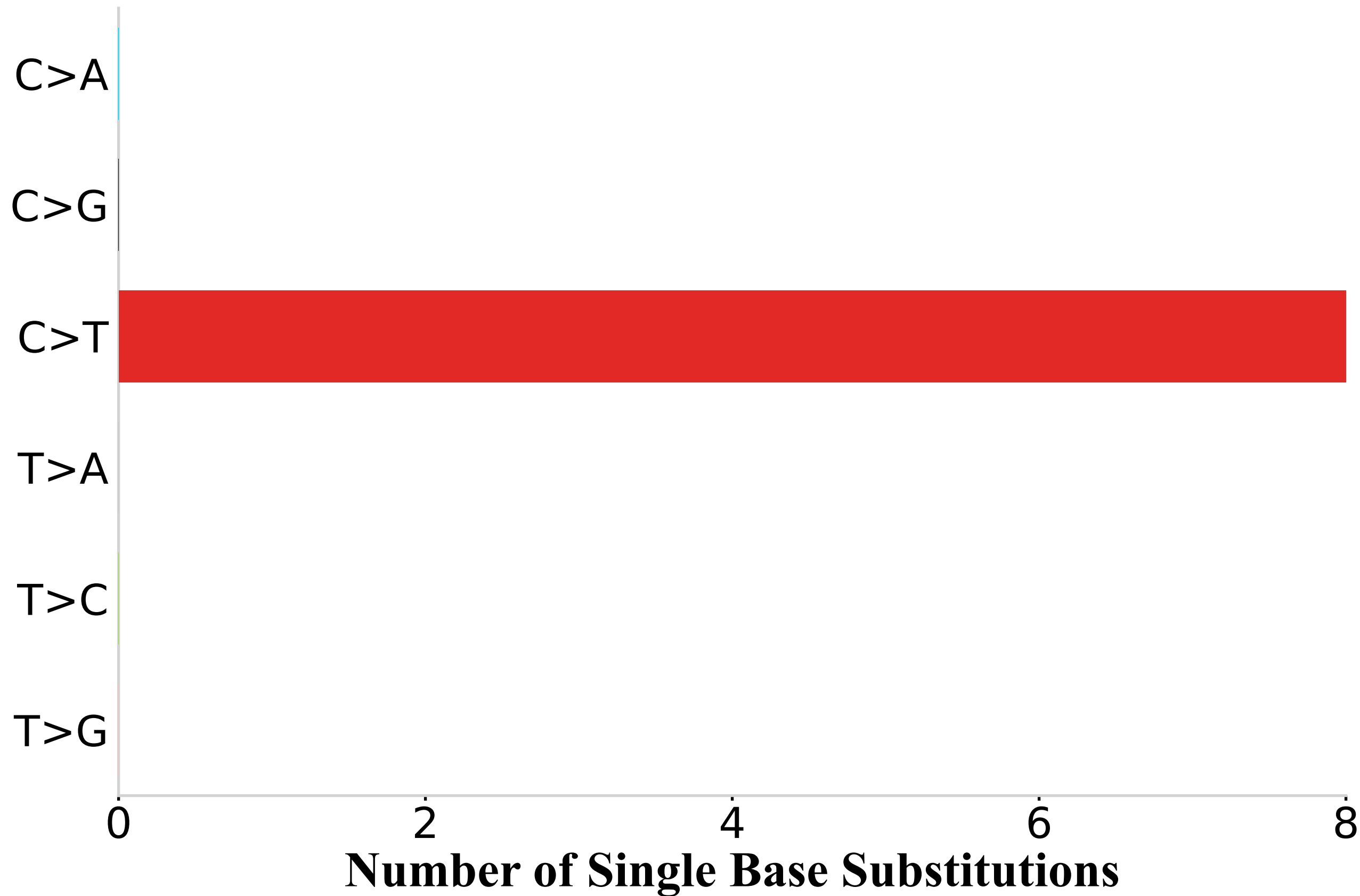
P-0026282-T01-IM6: 3 subs



P-0026389-T01-IM6: 5 subs



P-0026868-T01-IM6: 8 subs



P-0027107-T01-IM6: 8 subs

C>A

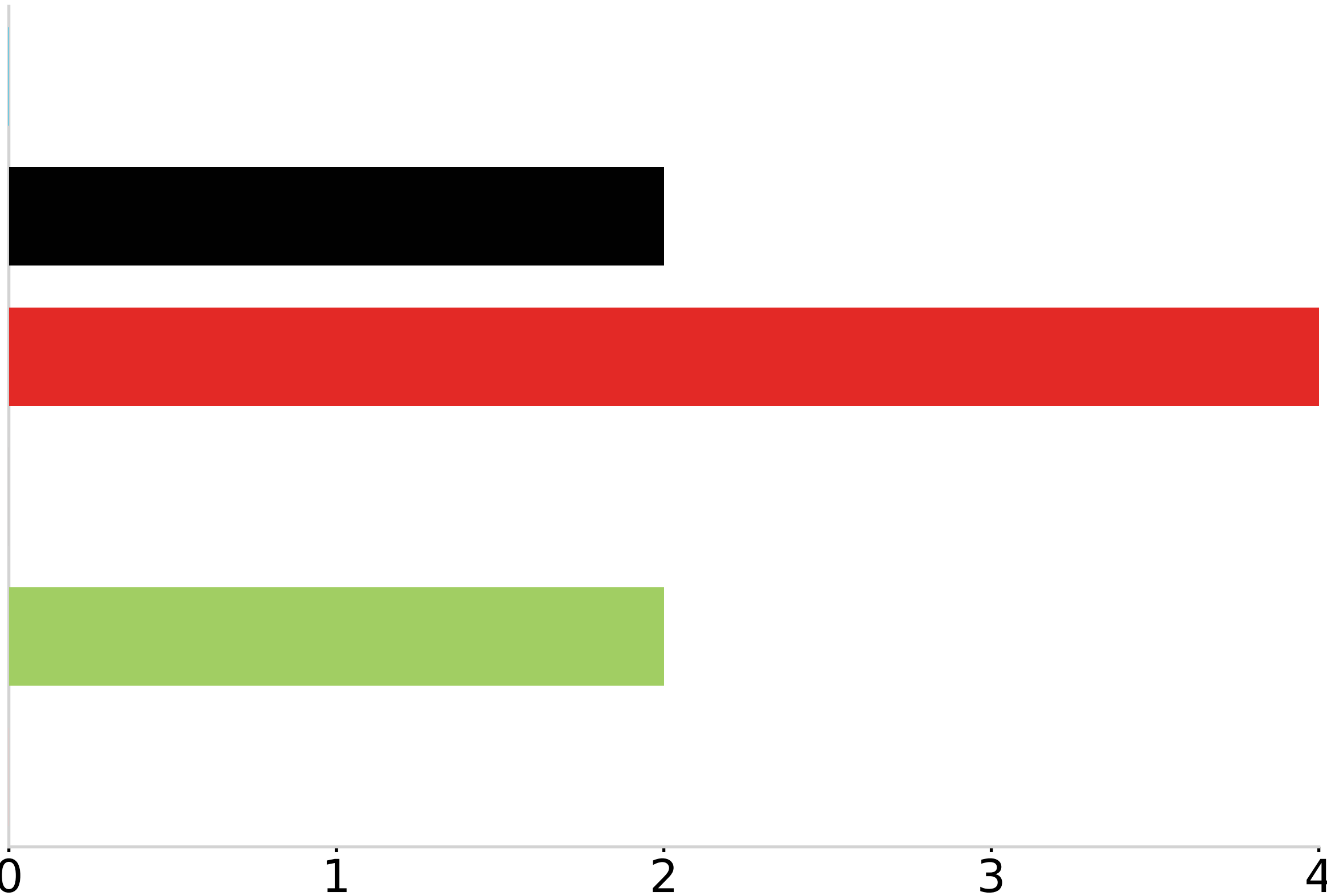
C>G

C>T

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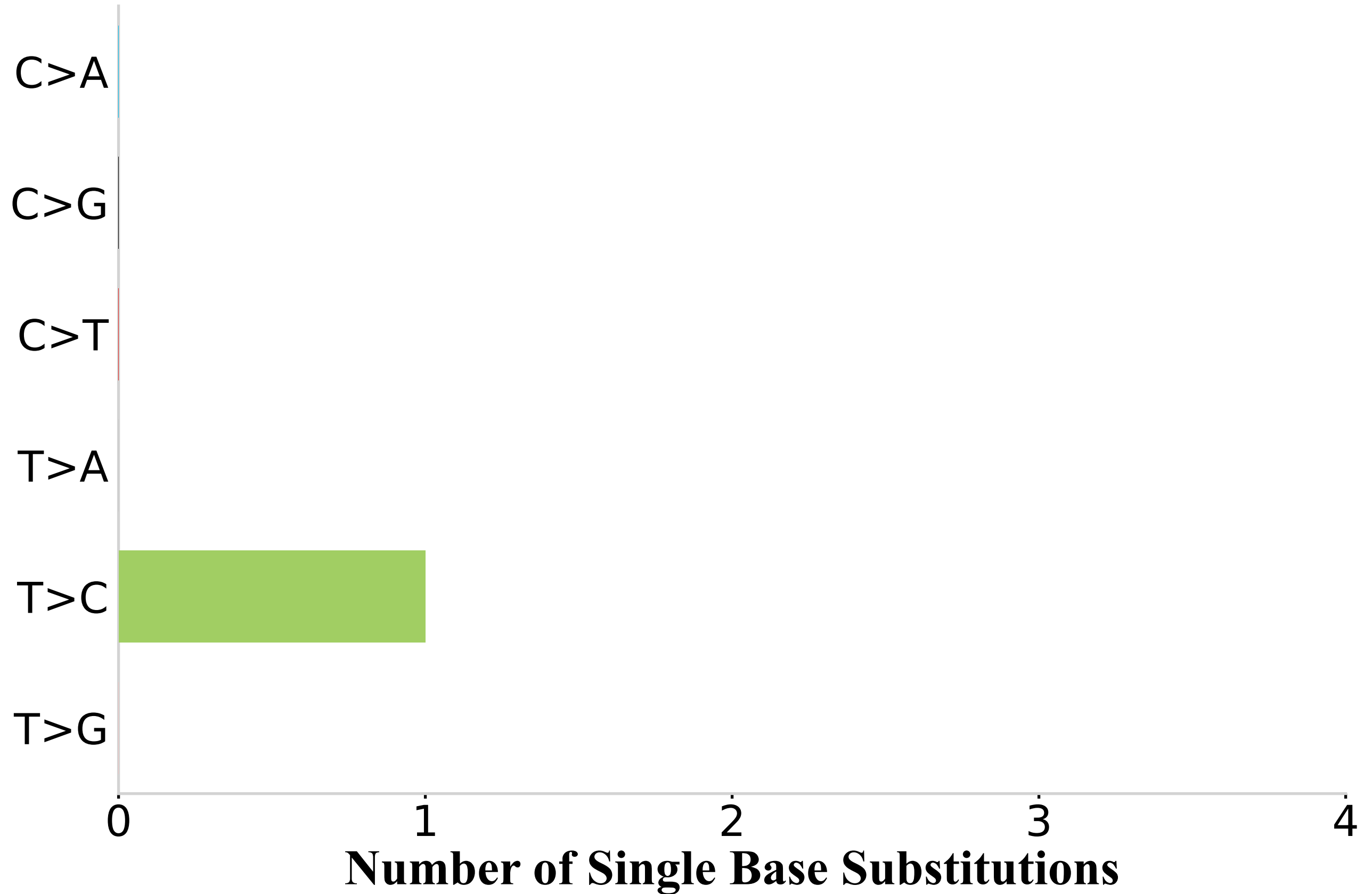
T>C

T>G

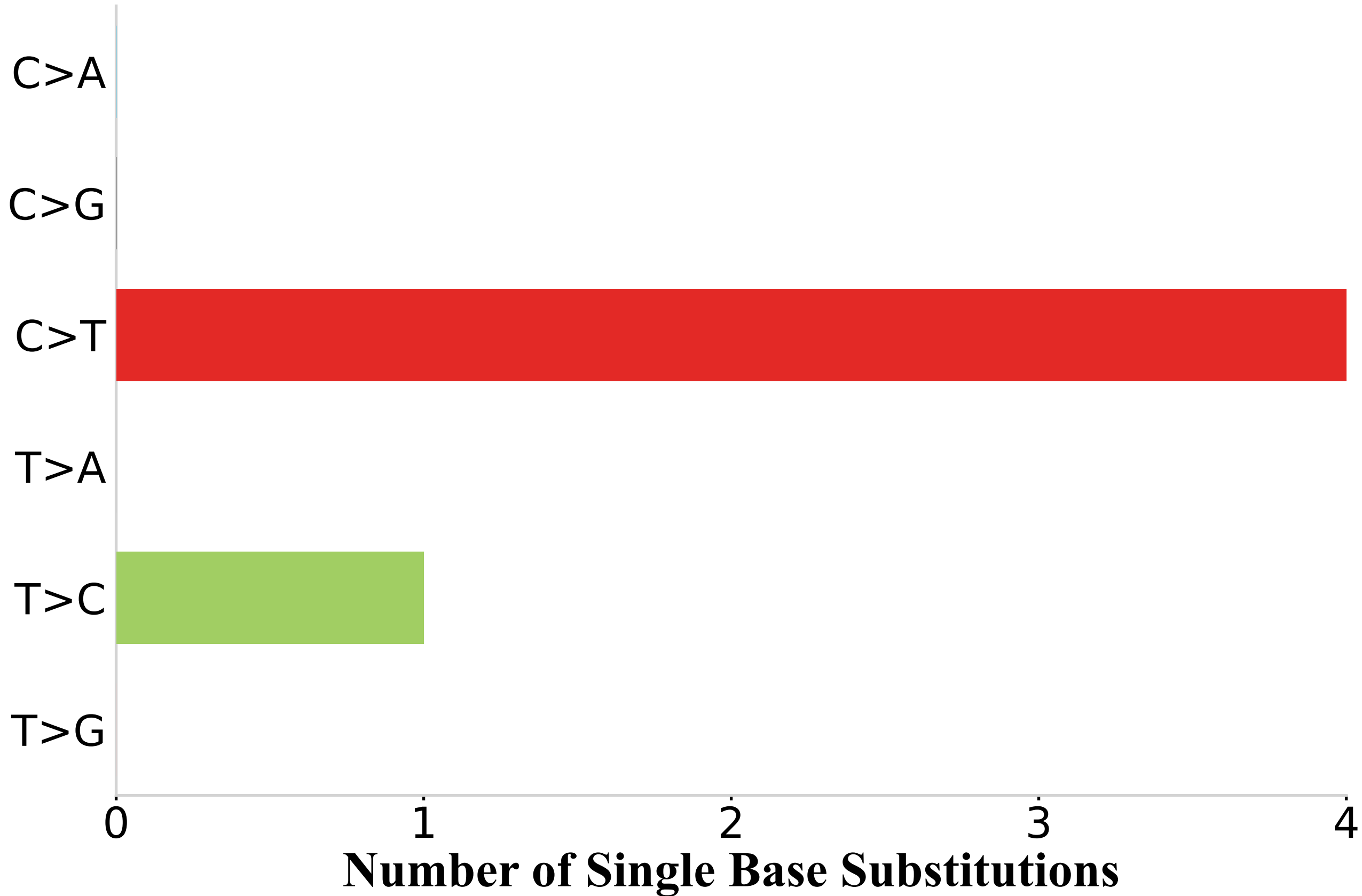


Number of Single Base Substitutions

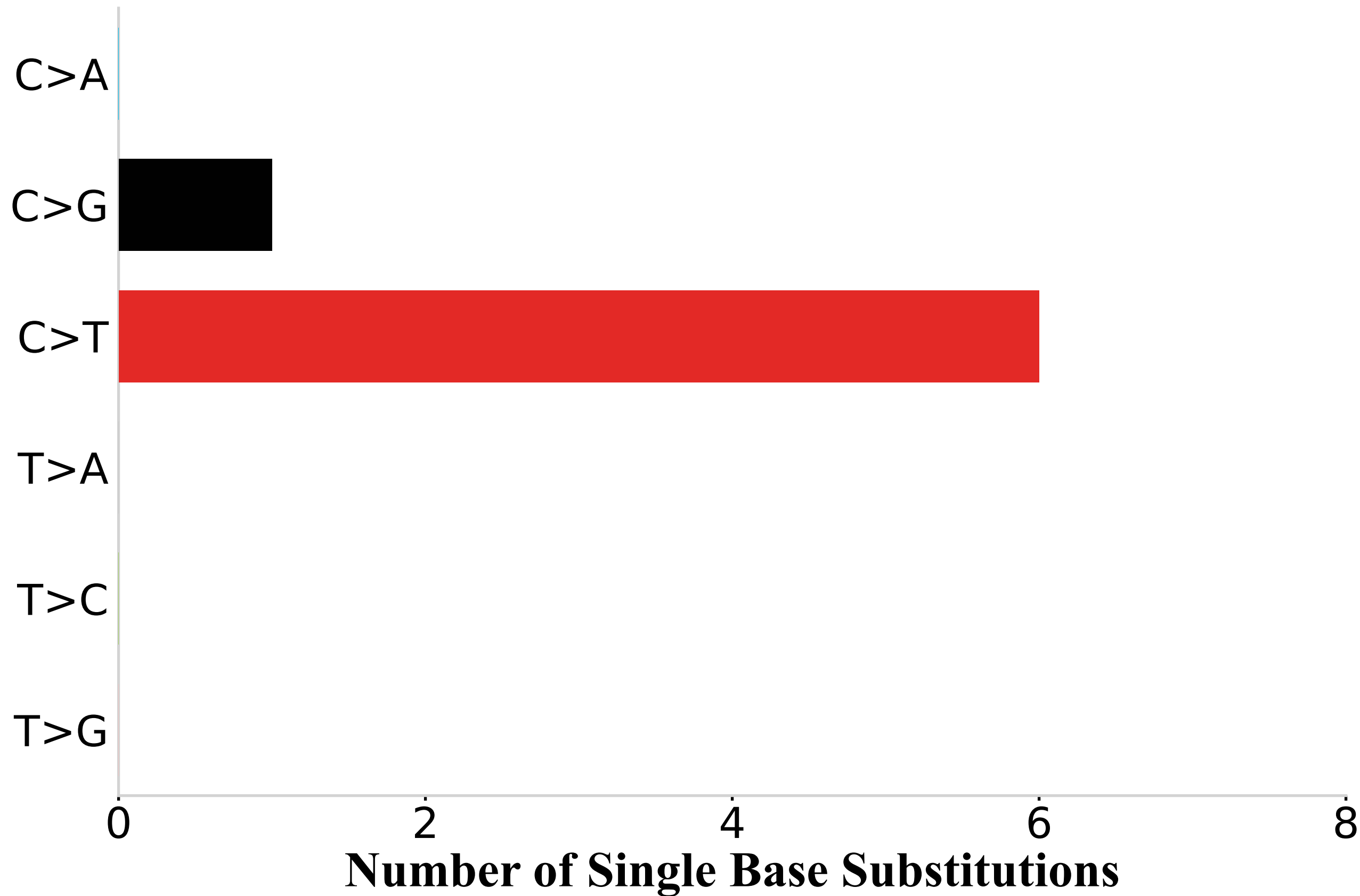
P-0027300-T01-IM6: 1 subs



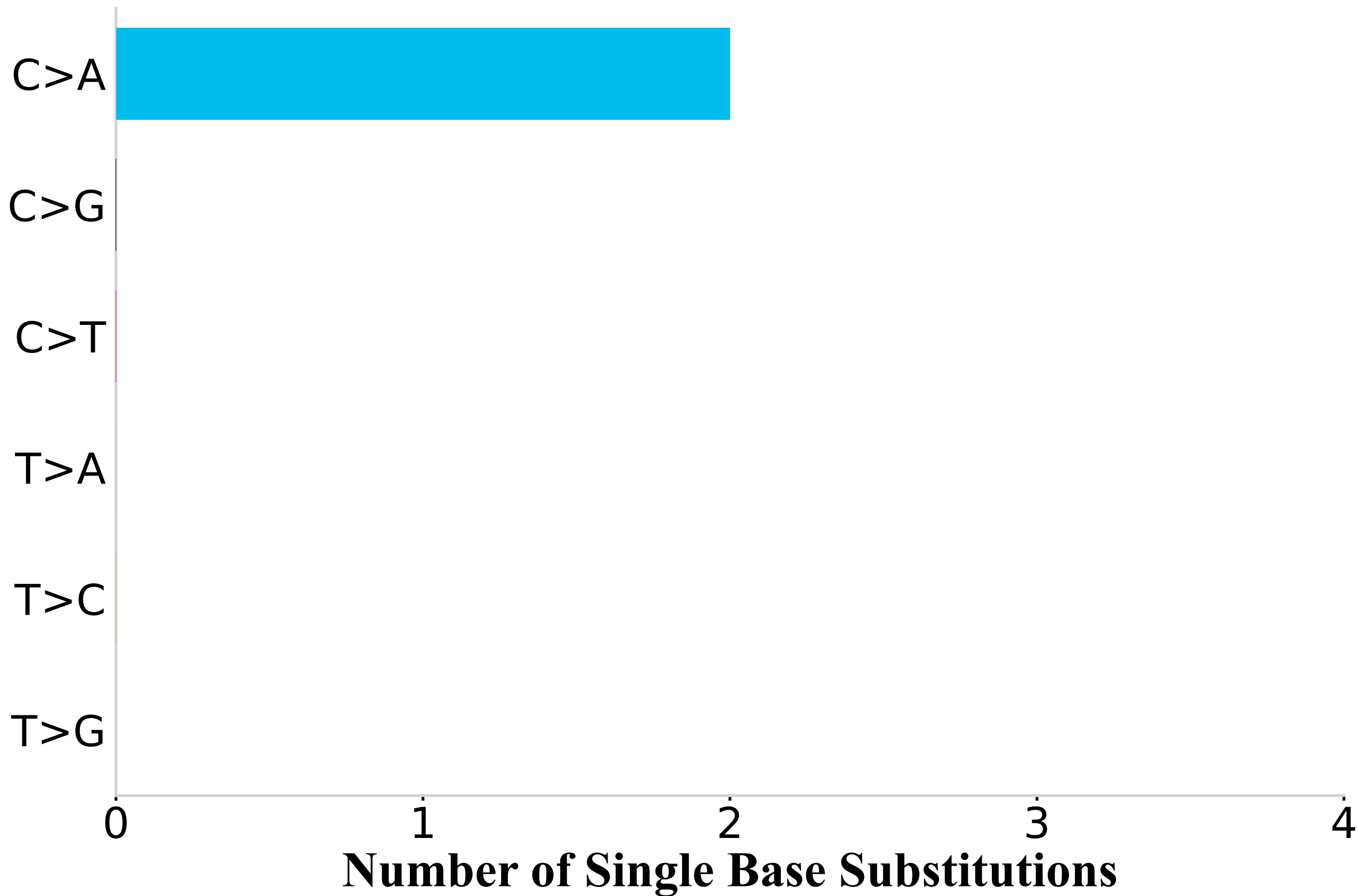
P-0027435-T01-IM6: 5 subs



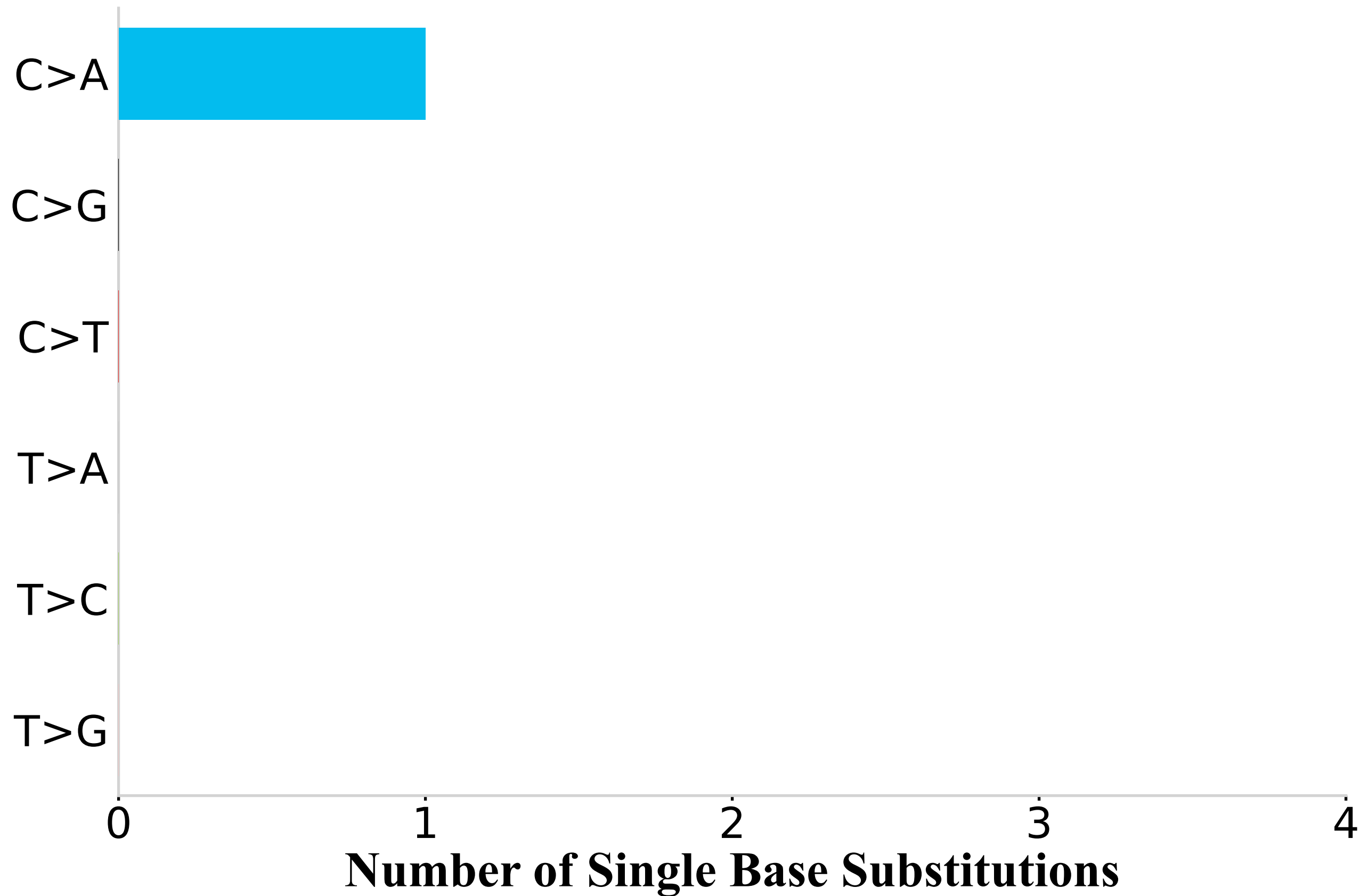
P-0027715-T01-IM6: 7 subs



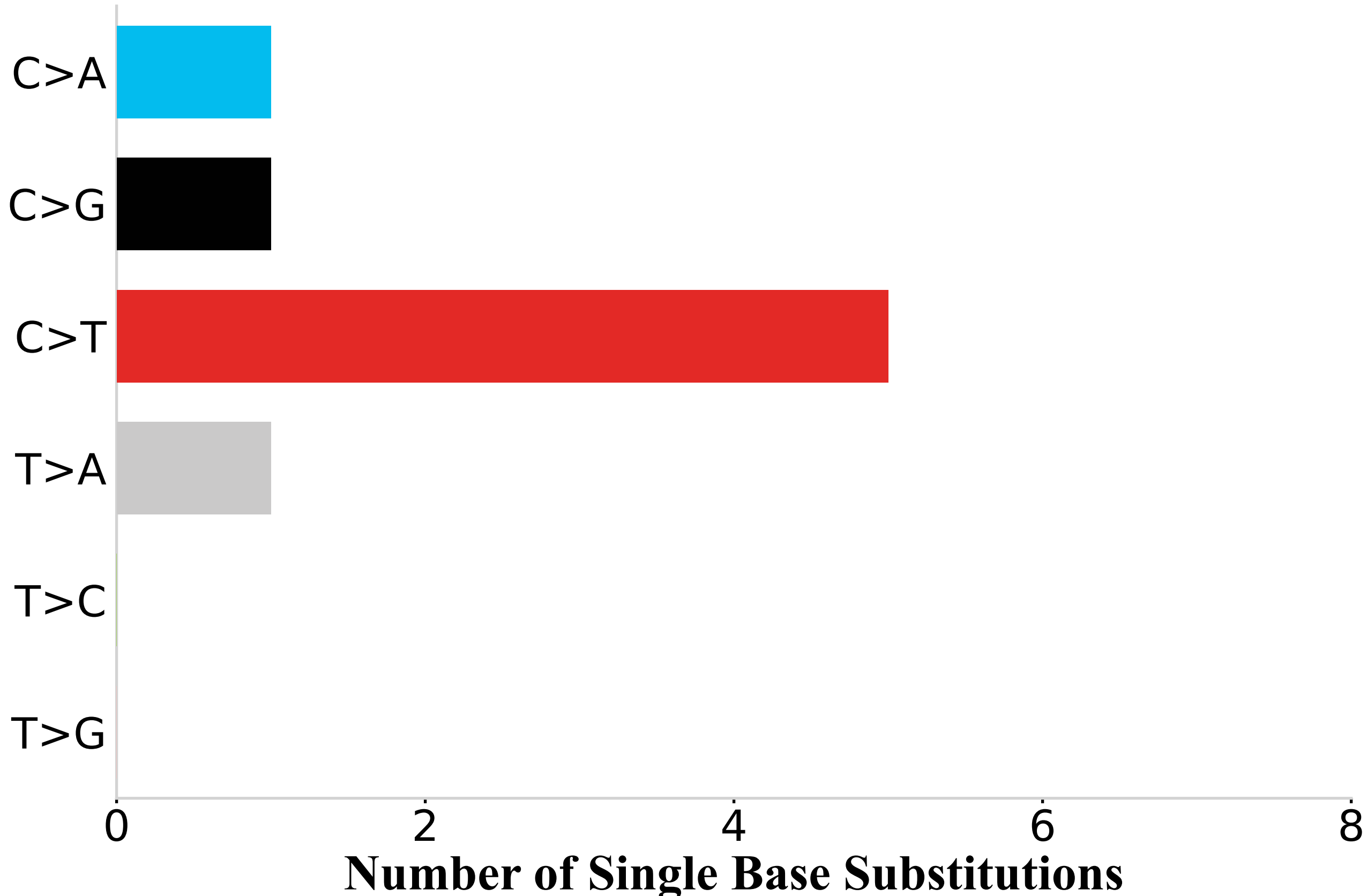
P-0028036-T01-IM6: 2 subs



P-0028277-T02-IM6: 1 subs



P-0028367-T01-IM6: 8 subs



P-0028568-T01-IM6: 5 subs

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C>G

C>T

T>A

T>C

T>G

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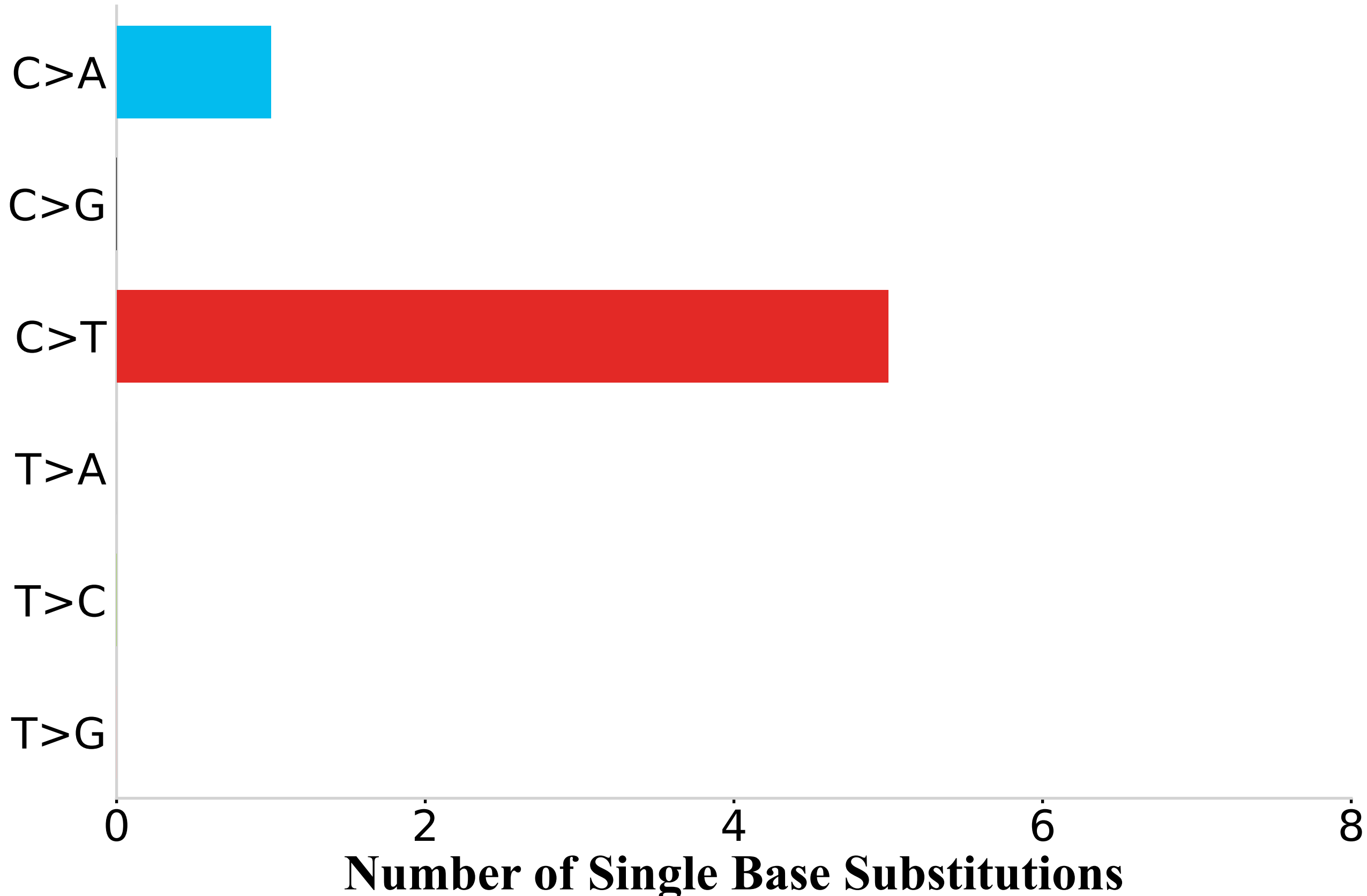
3

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Number of Single Base Substitutions



P-0029015-T01-IM6: 6 subs



P-0029090-T01-IM6: 5 subs

C>A

C>G

C>T

T>A

T>C

T>G

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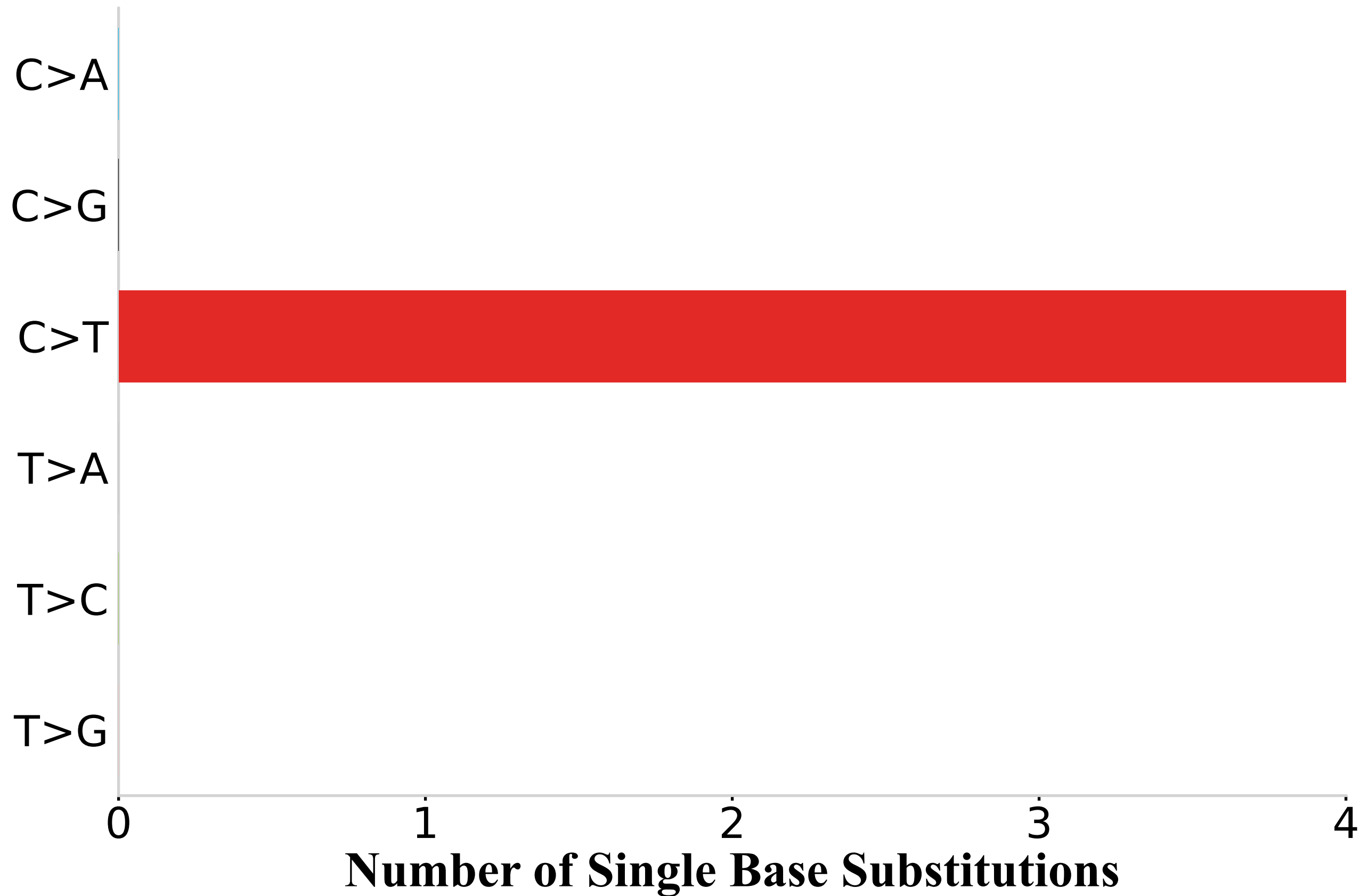
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4

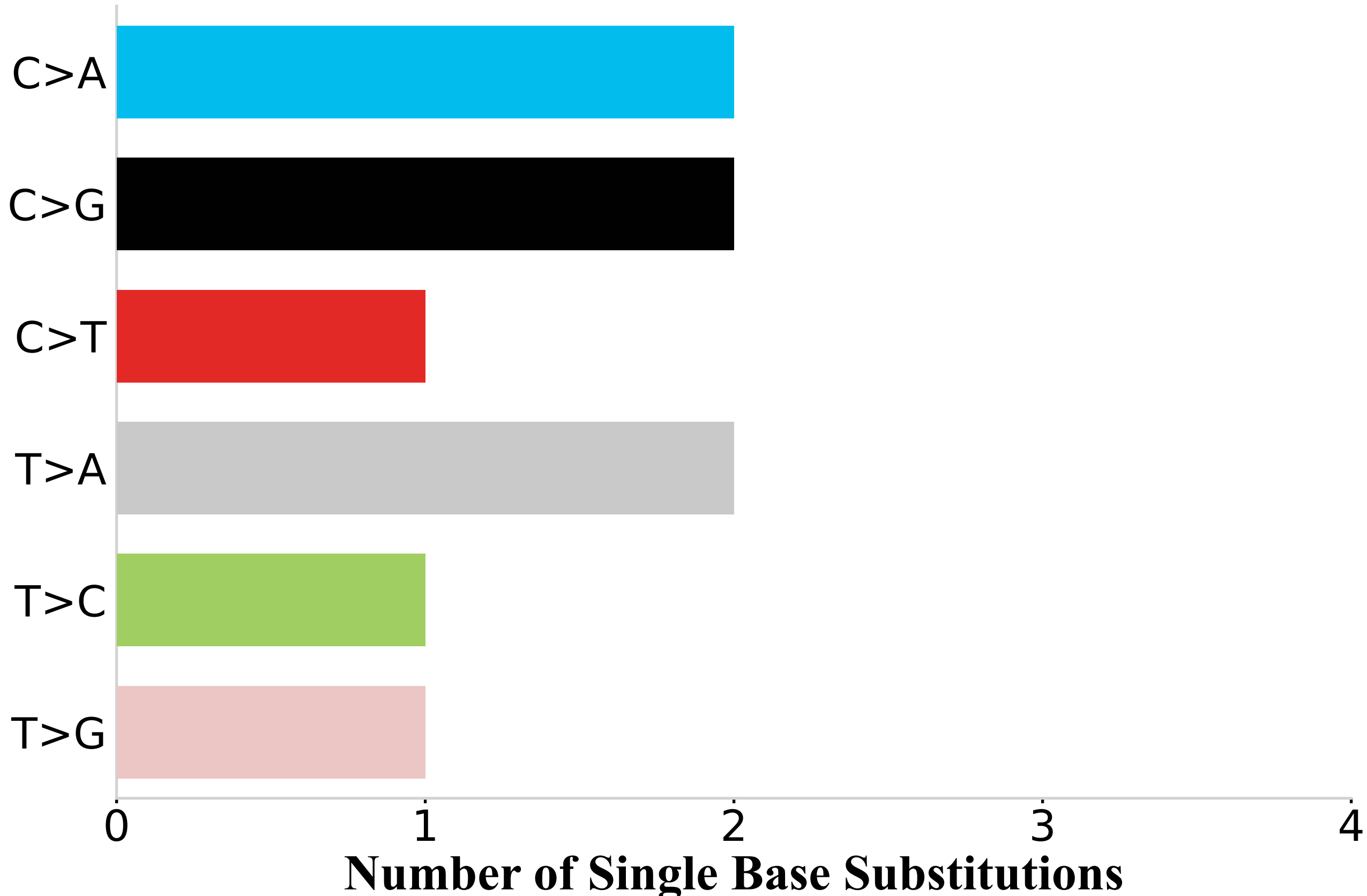
Number of Single Base Substitutions



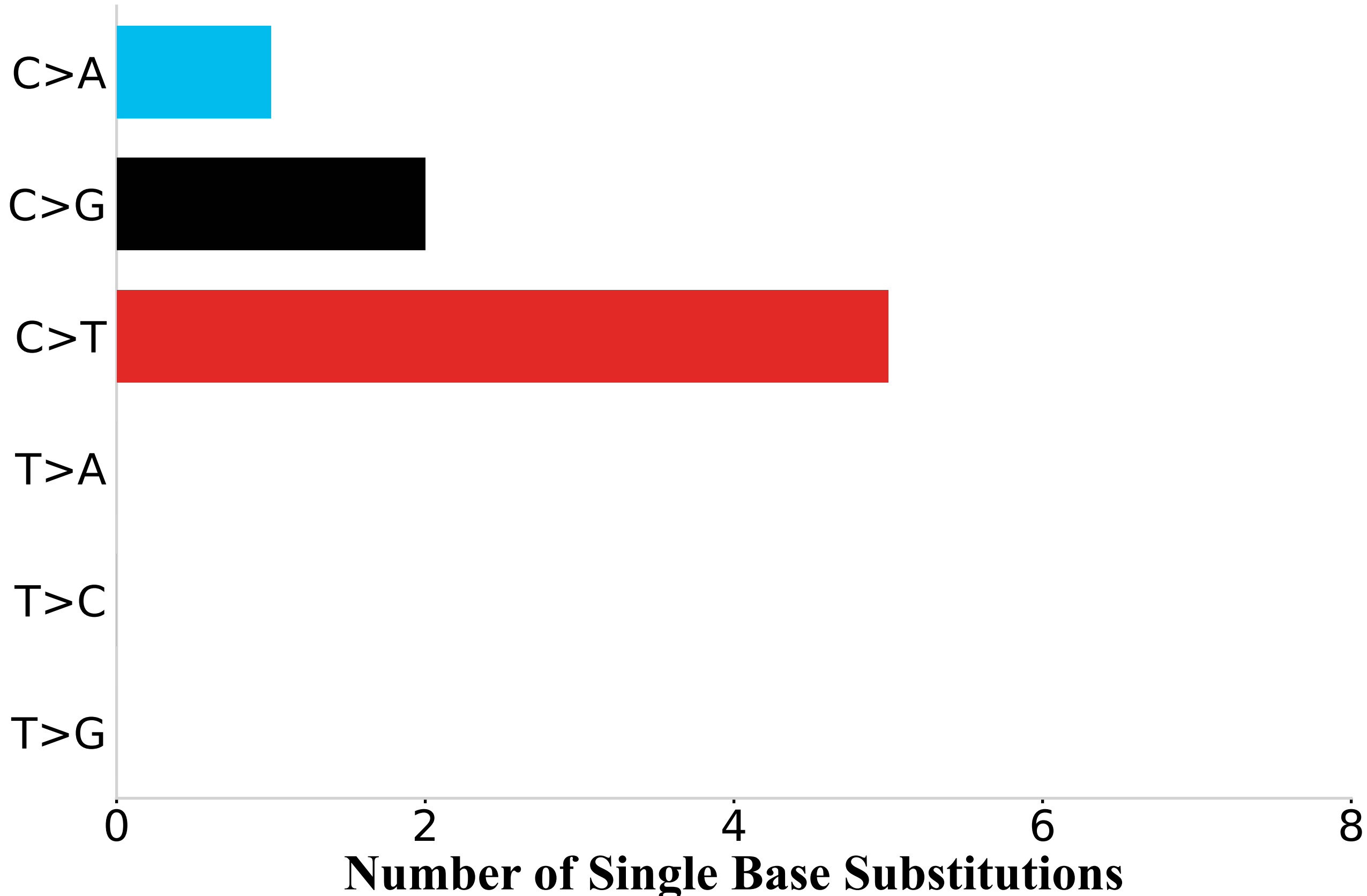
P-0029154-T01-IM6: 4 subs



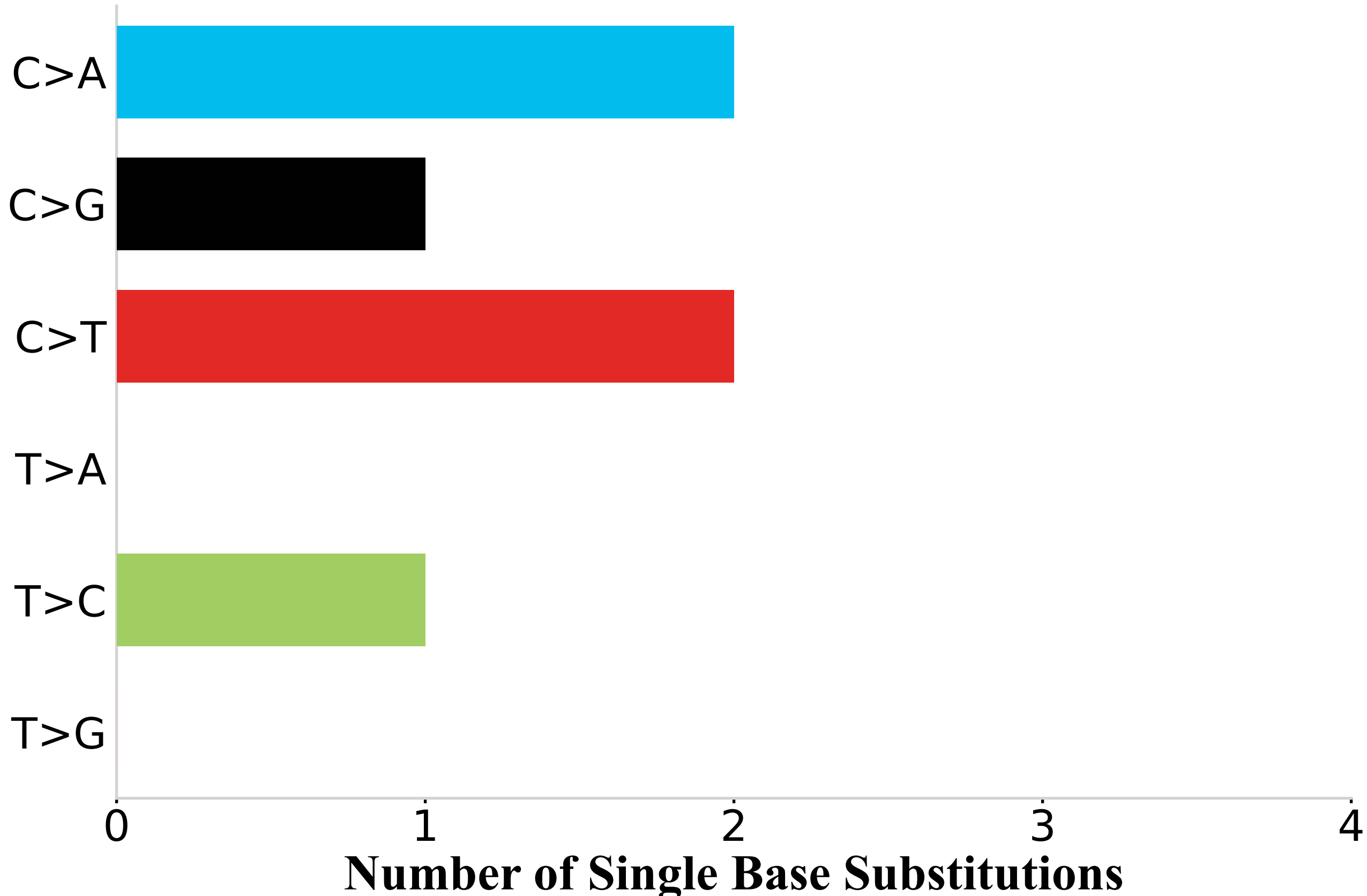
P-0029203-T05-IM6: 9 subs



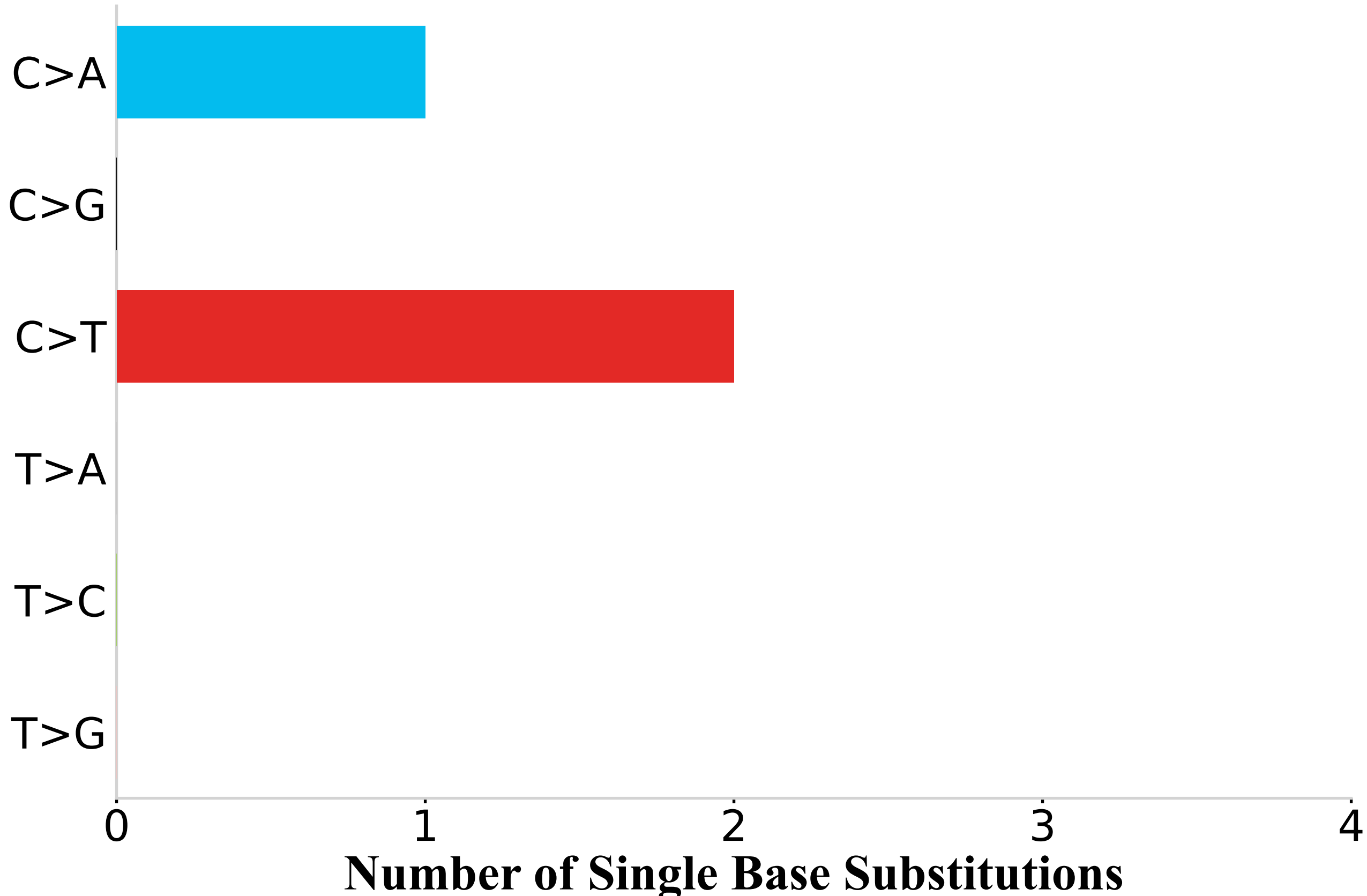
P-0029560-T01-IM6: 8 subs



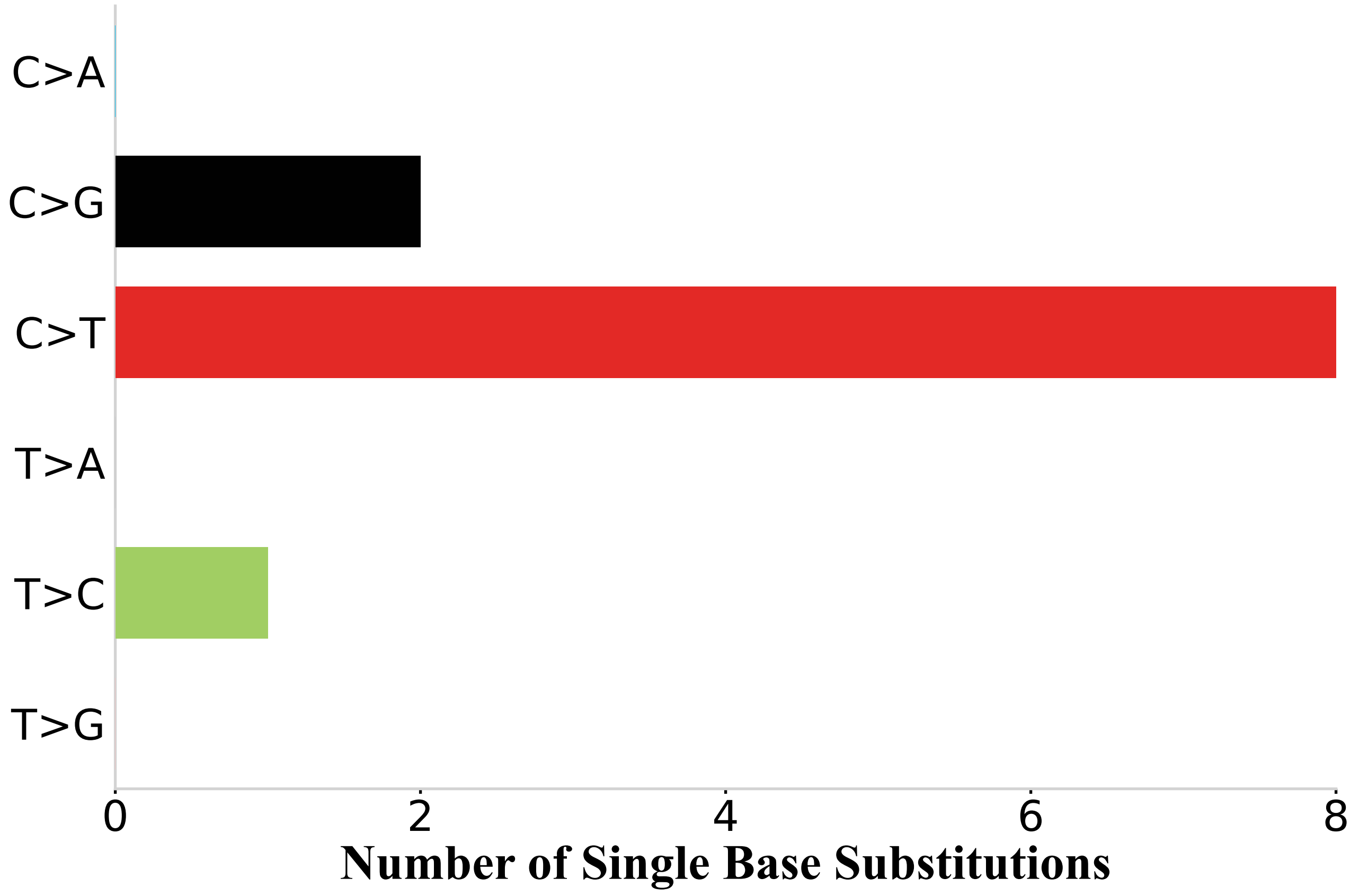
P-0029568-T01-IM6: 6 subs



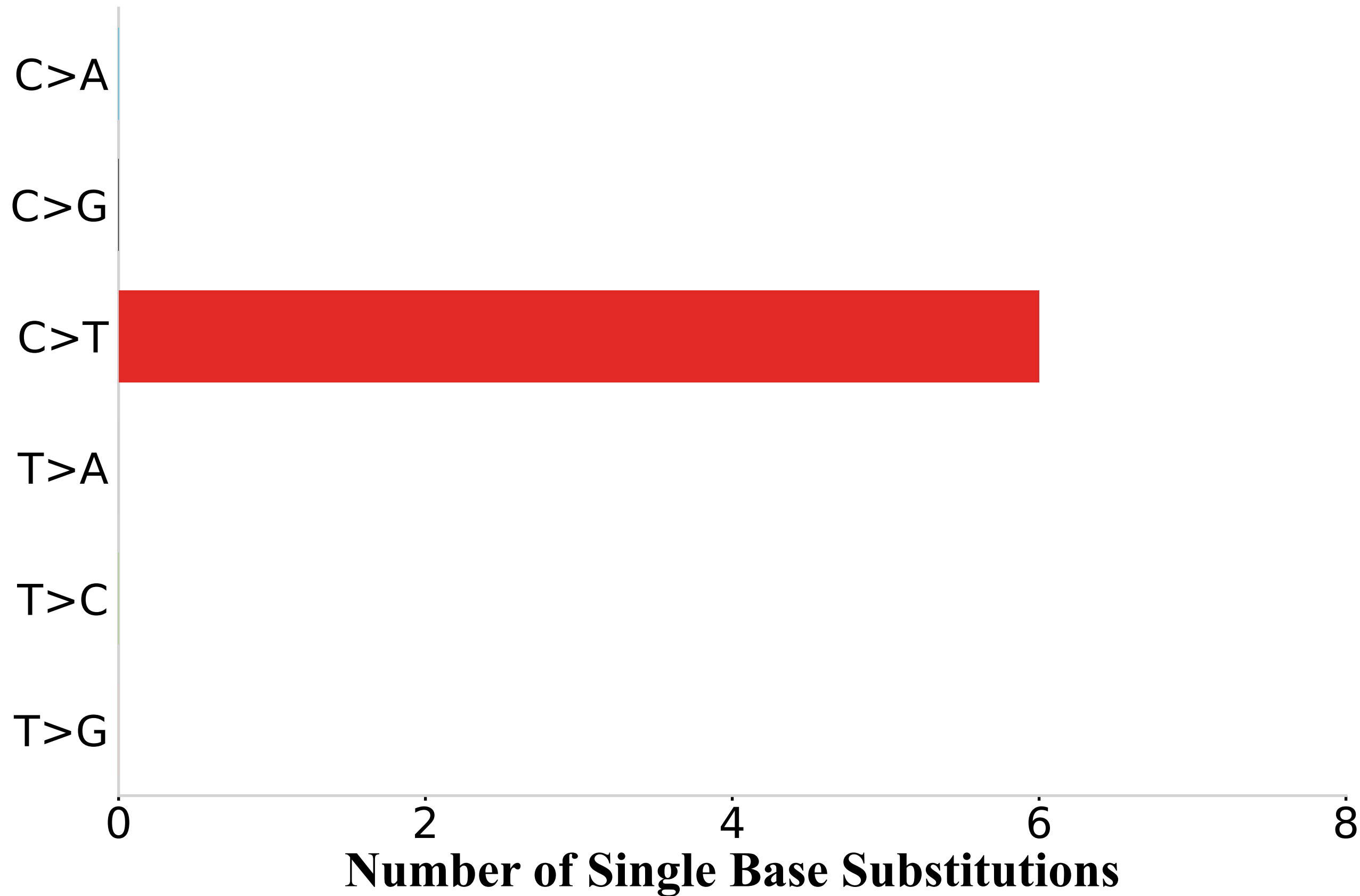
P-0029596-T01-IM6: 3 subs



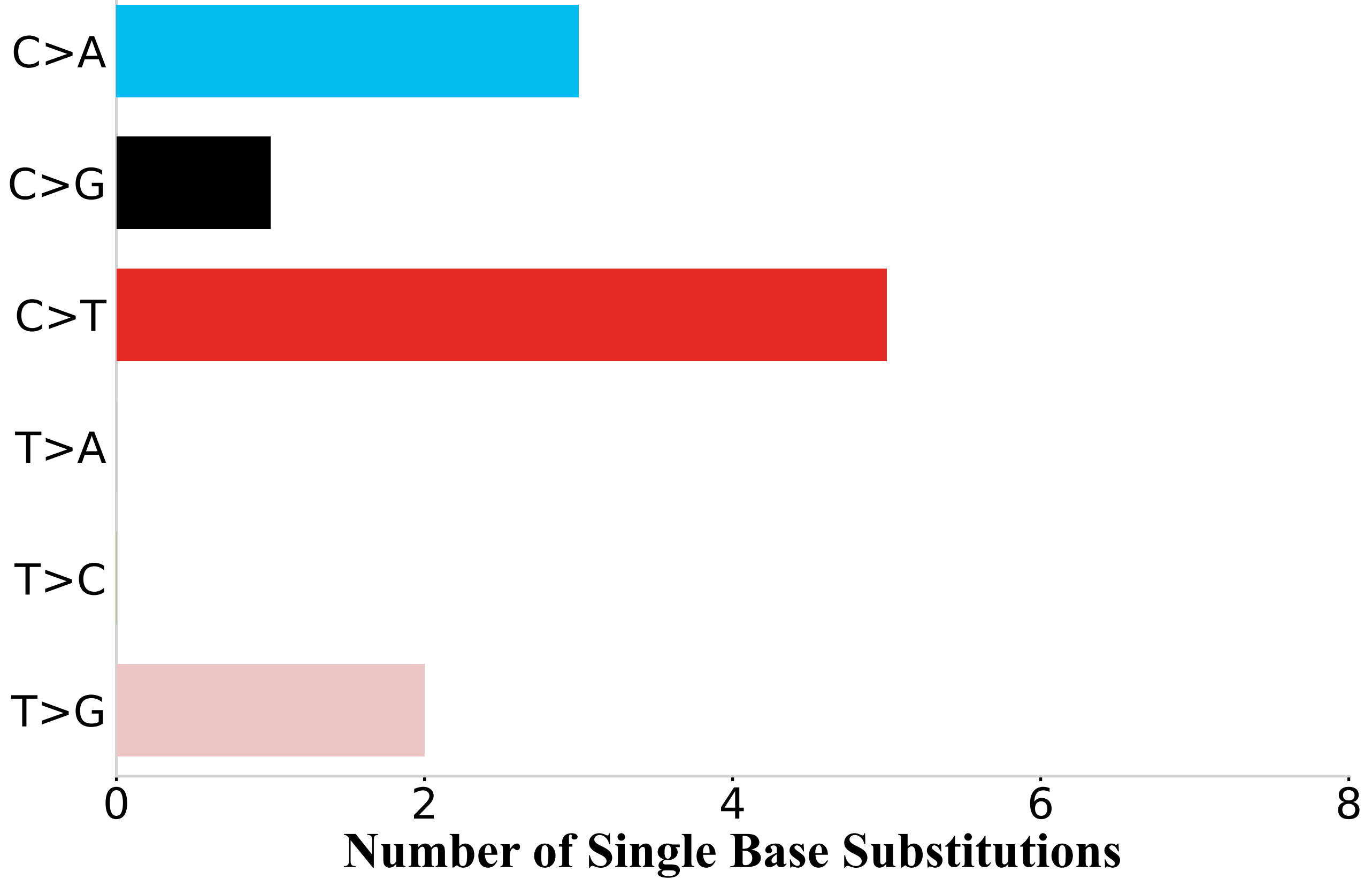
P-0029685-T01-IM6: 11 subs



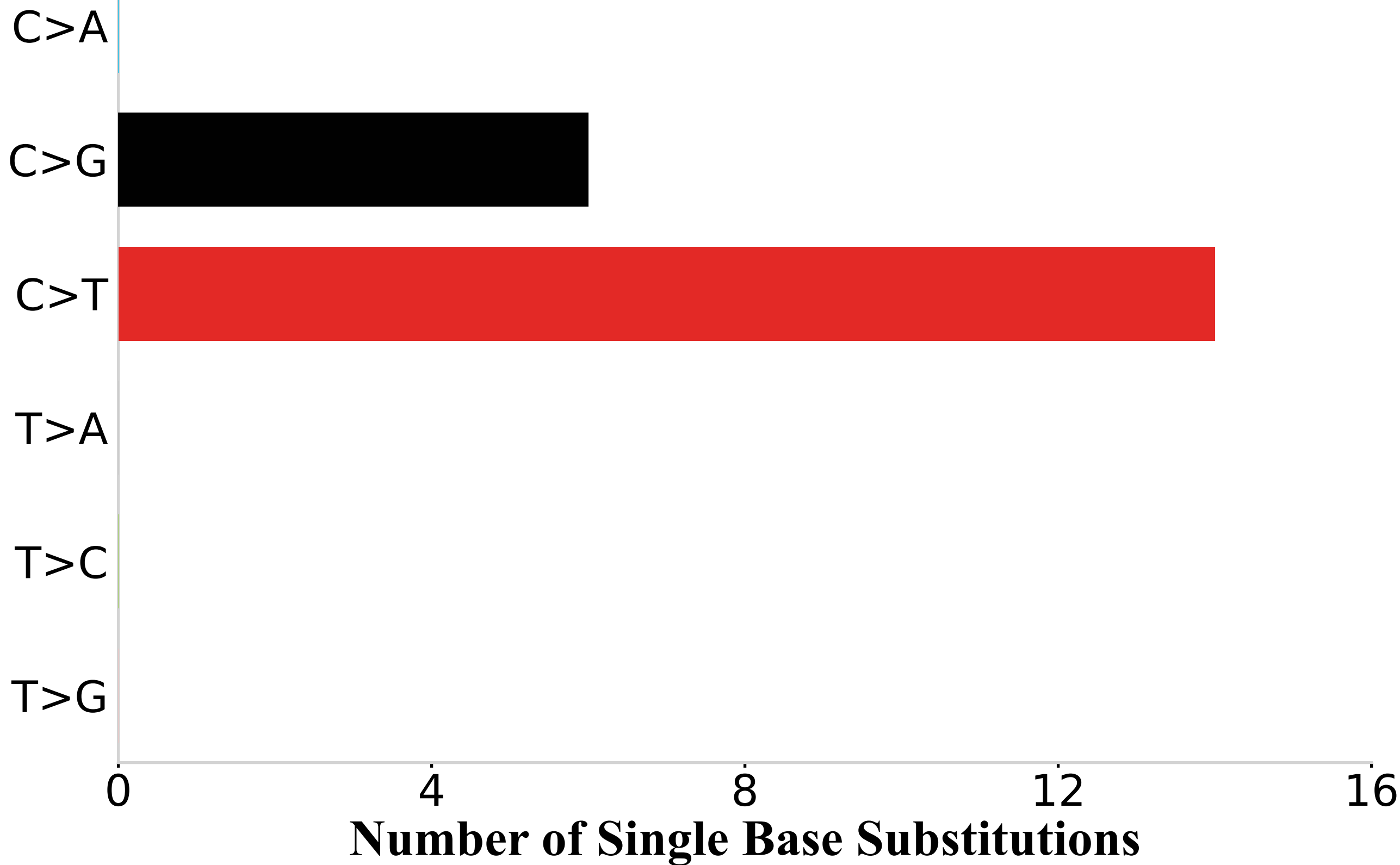
P-0029790-T01-IM6: 6 subs



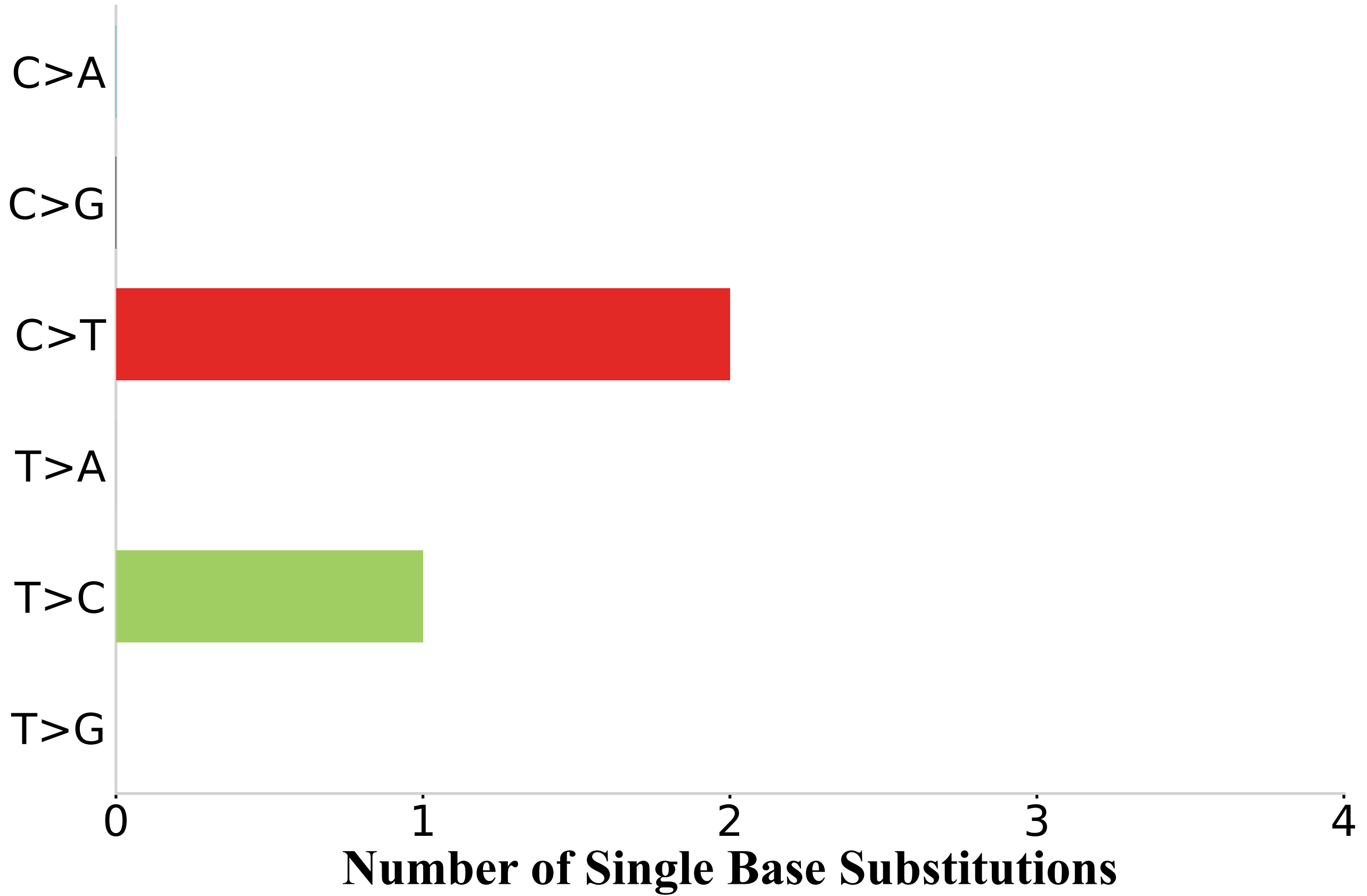
P-0029848-T01-IM6: 11 subs



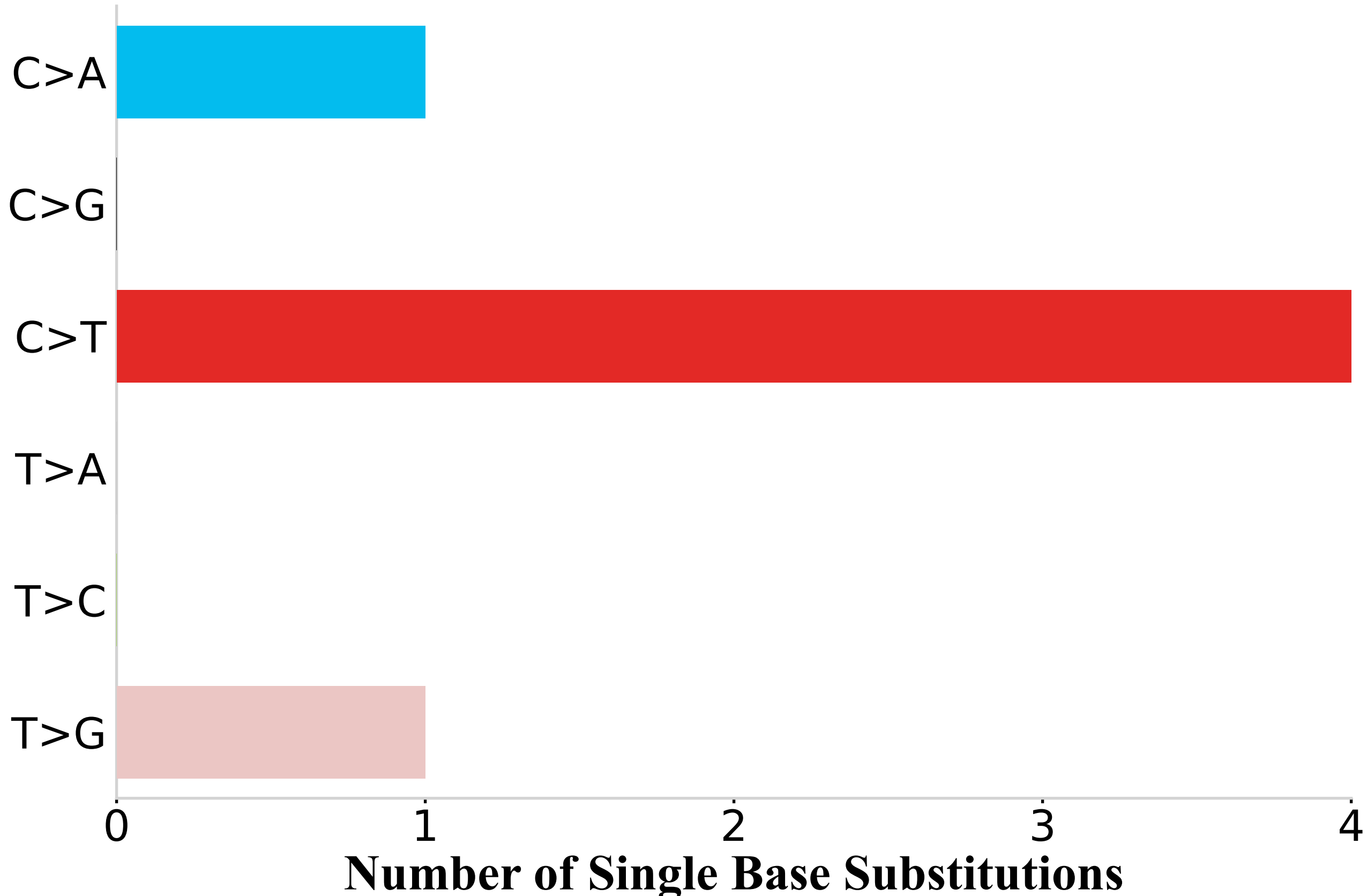
P-0030136-T01-IM6: 20 subs



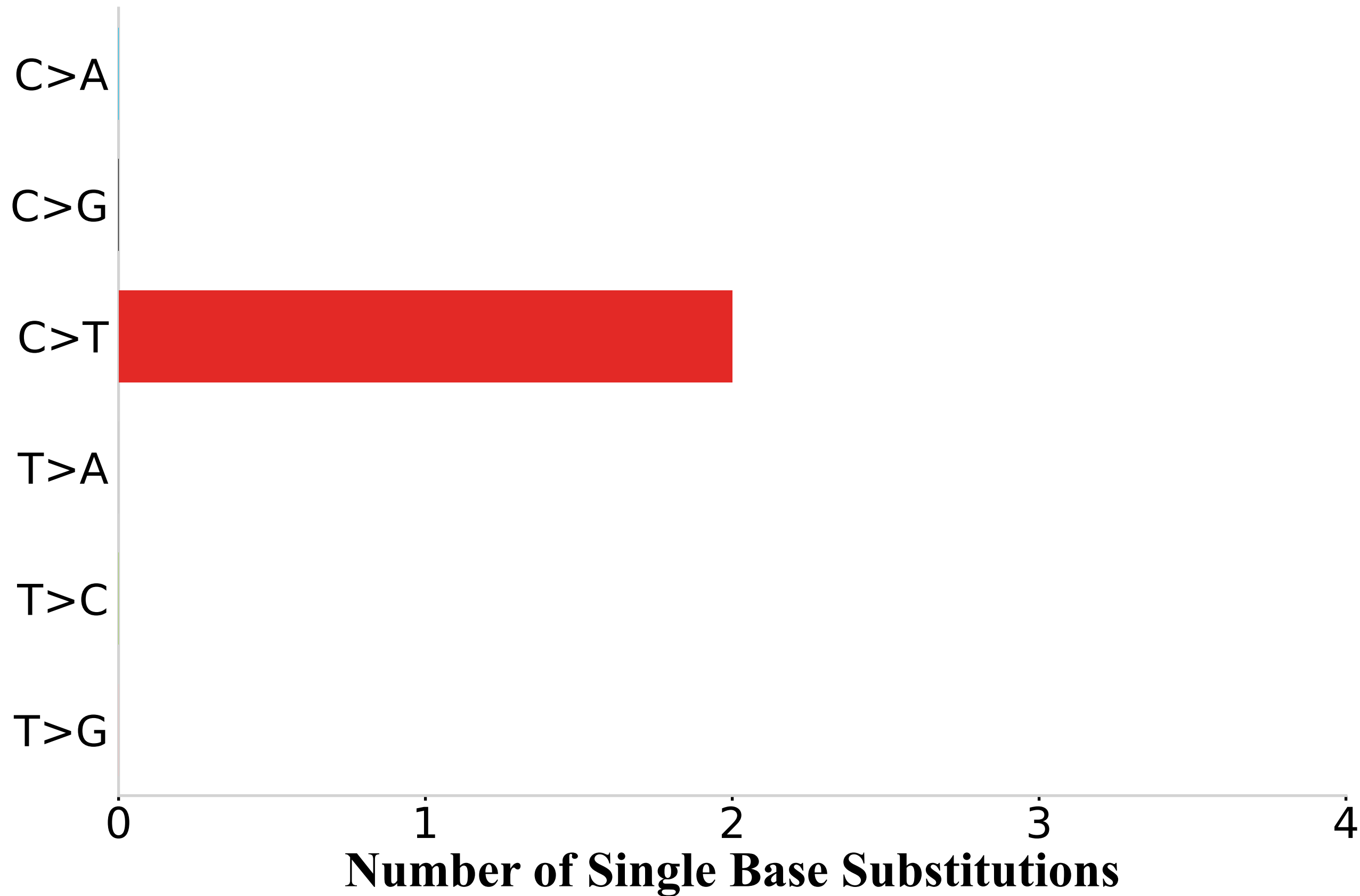
P-0030154-T03-IM6: 3 subs



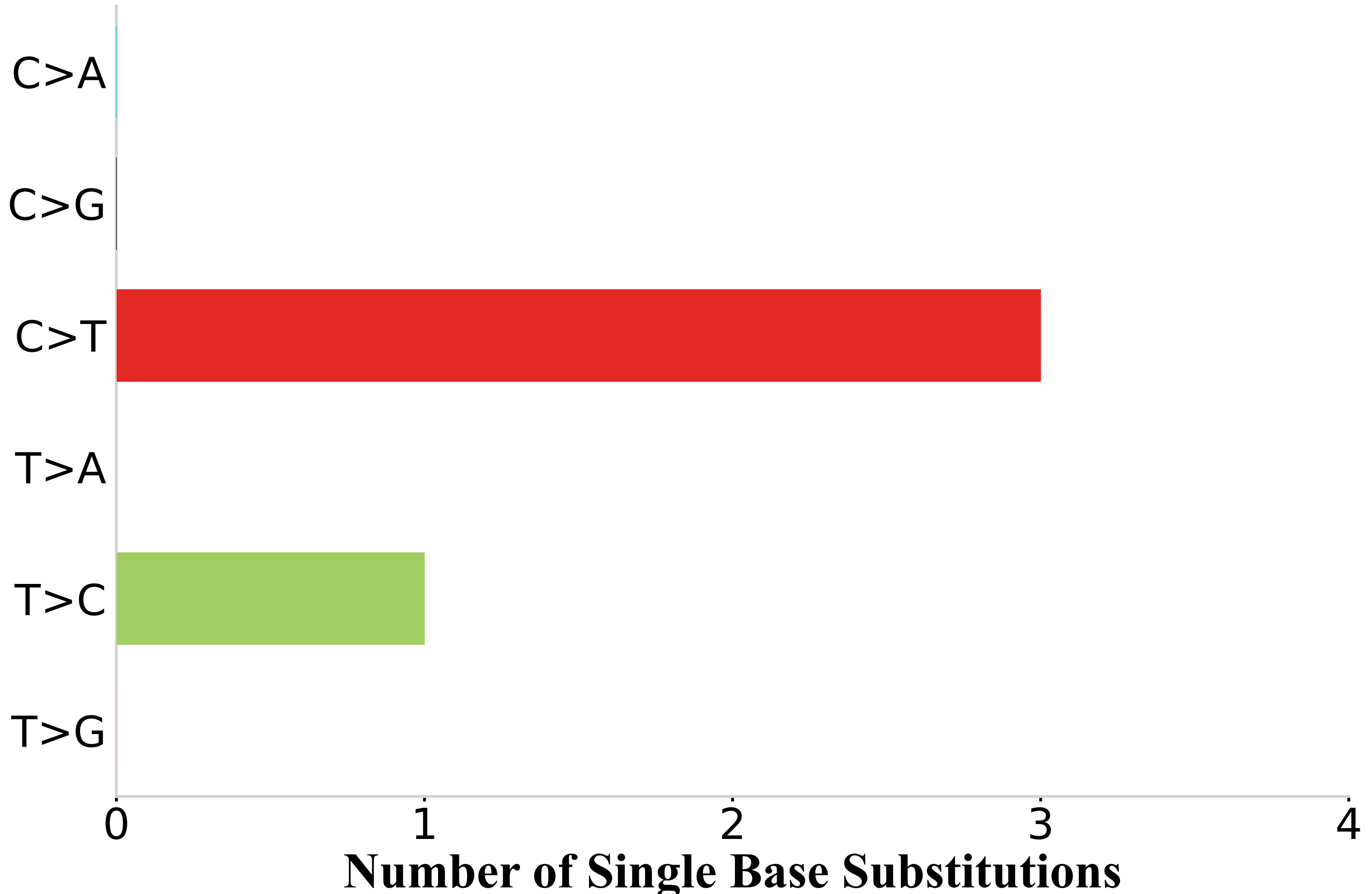
P-0030341-T01-IM6: 6 subs



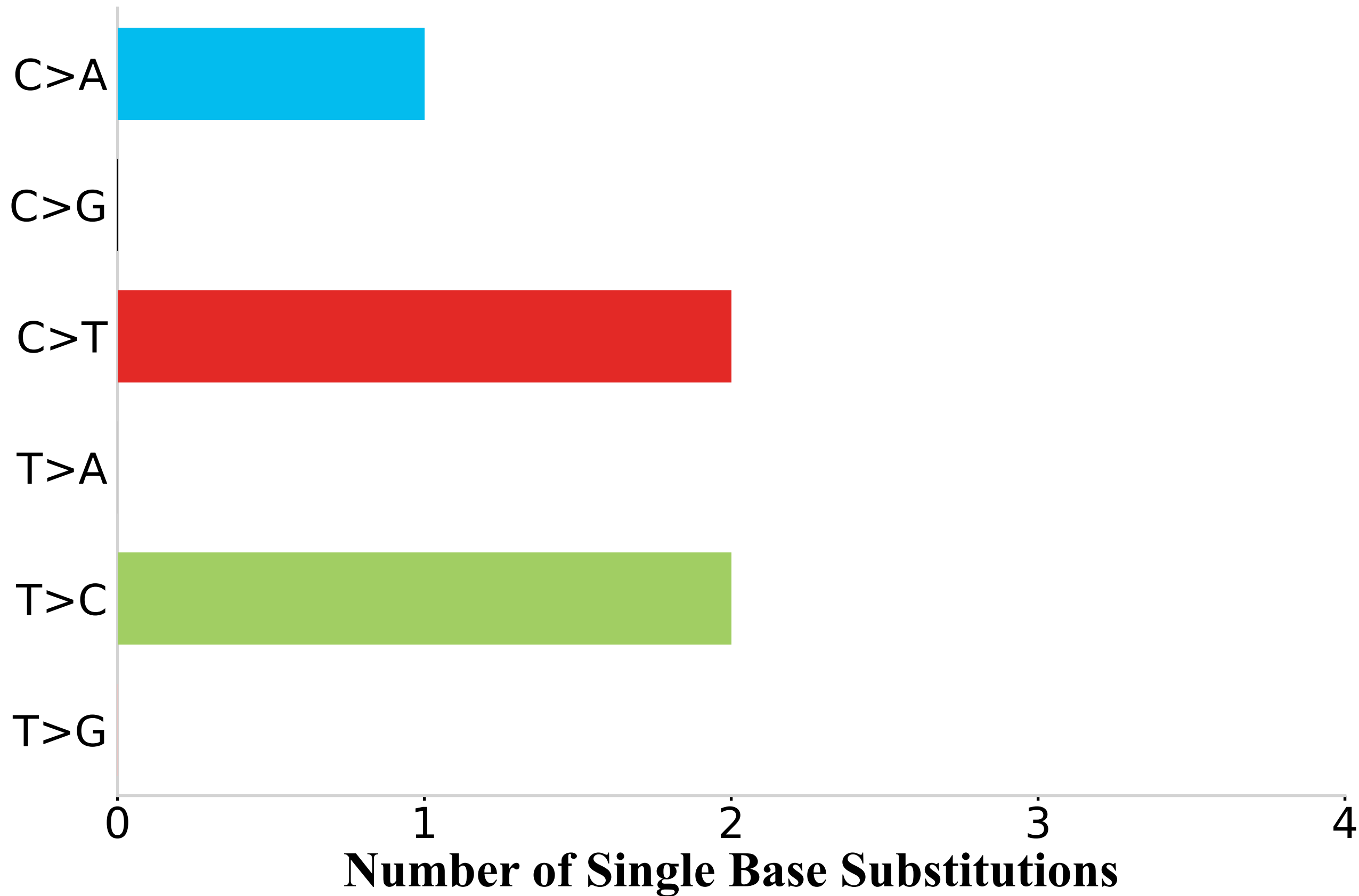
P-0030644-T01-IM6: 2 subs



P-0030738-T01-IM6: 4 subs



P-0030863-T01-IM6: 5 subs



P-0030873-T01-IM6: 3 subs

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C>G

C>T

T>A

T>C

T>G

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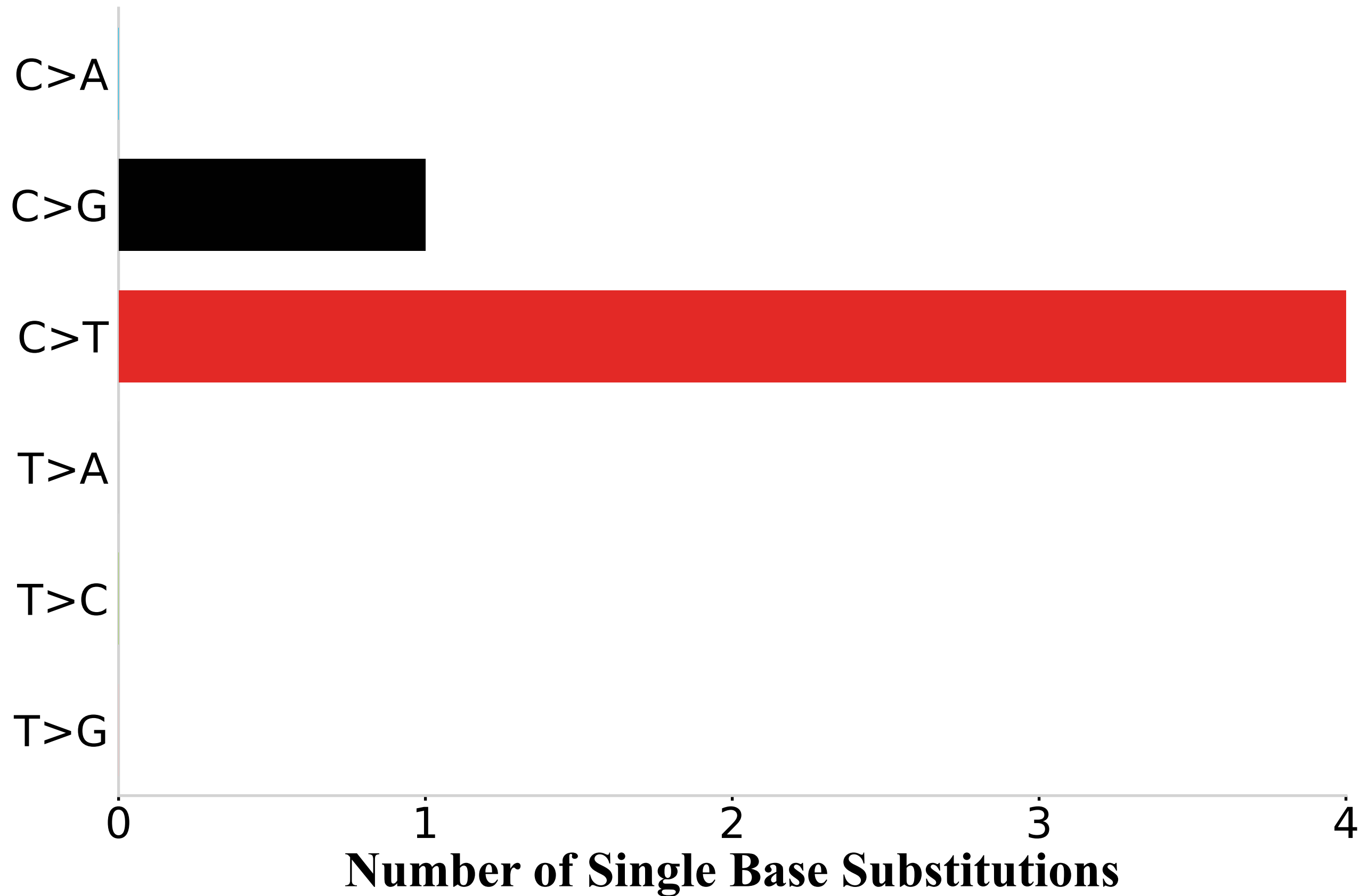
3

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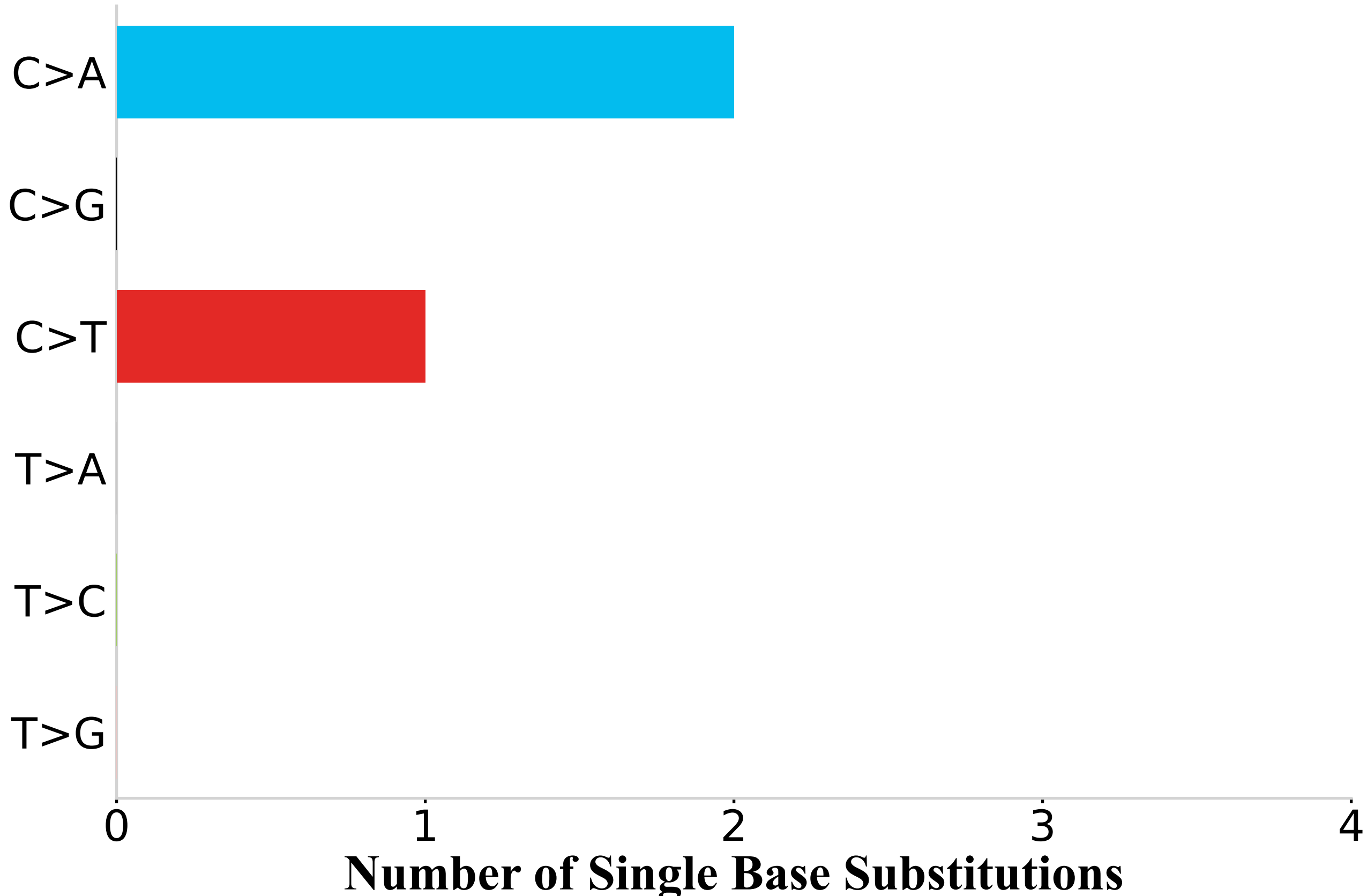
Number of Single Base Substitutions



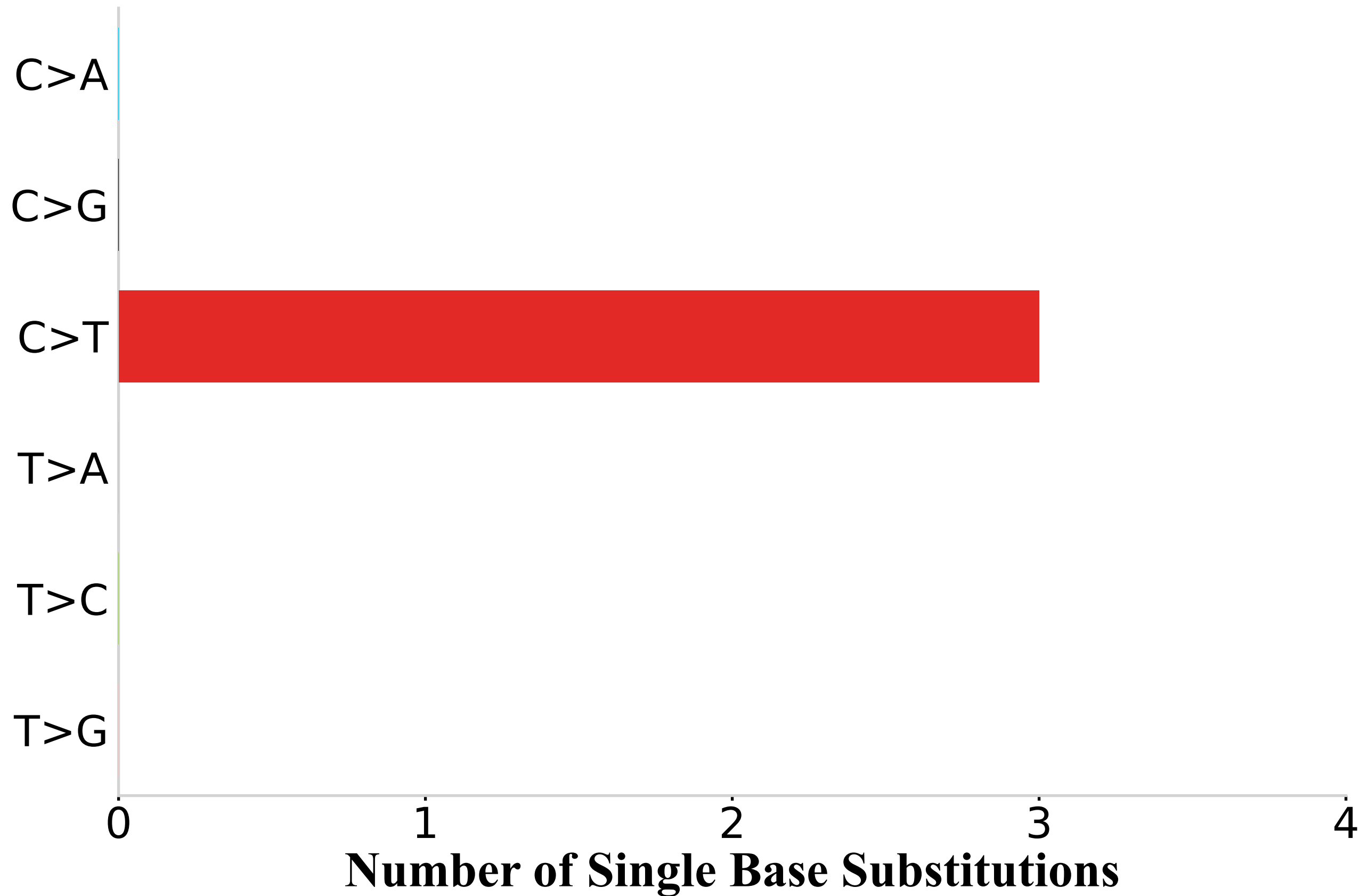
P-0030934-T01-IM6: 5 subs



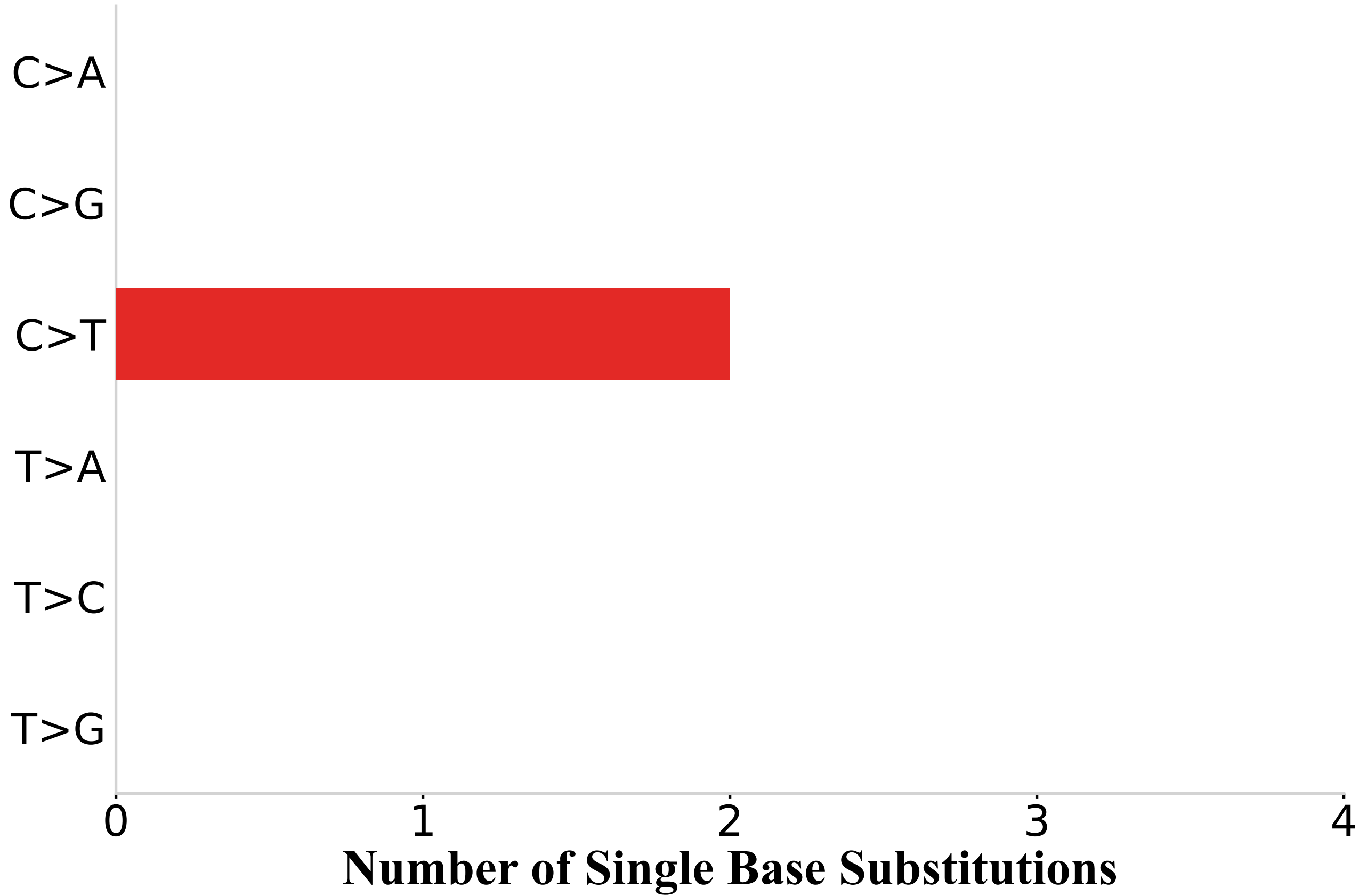
P-0031489-T01-IM6: 3 subs



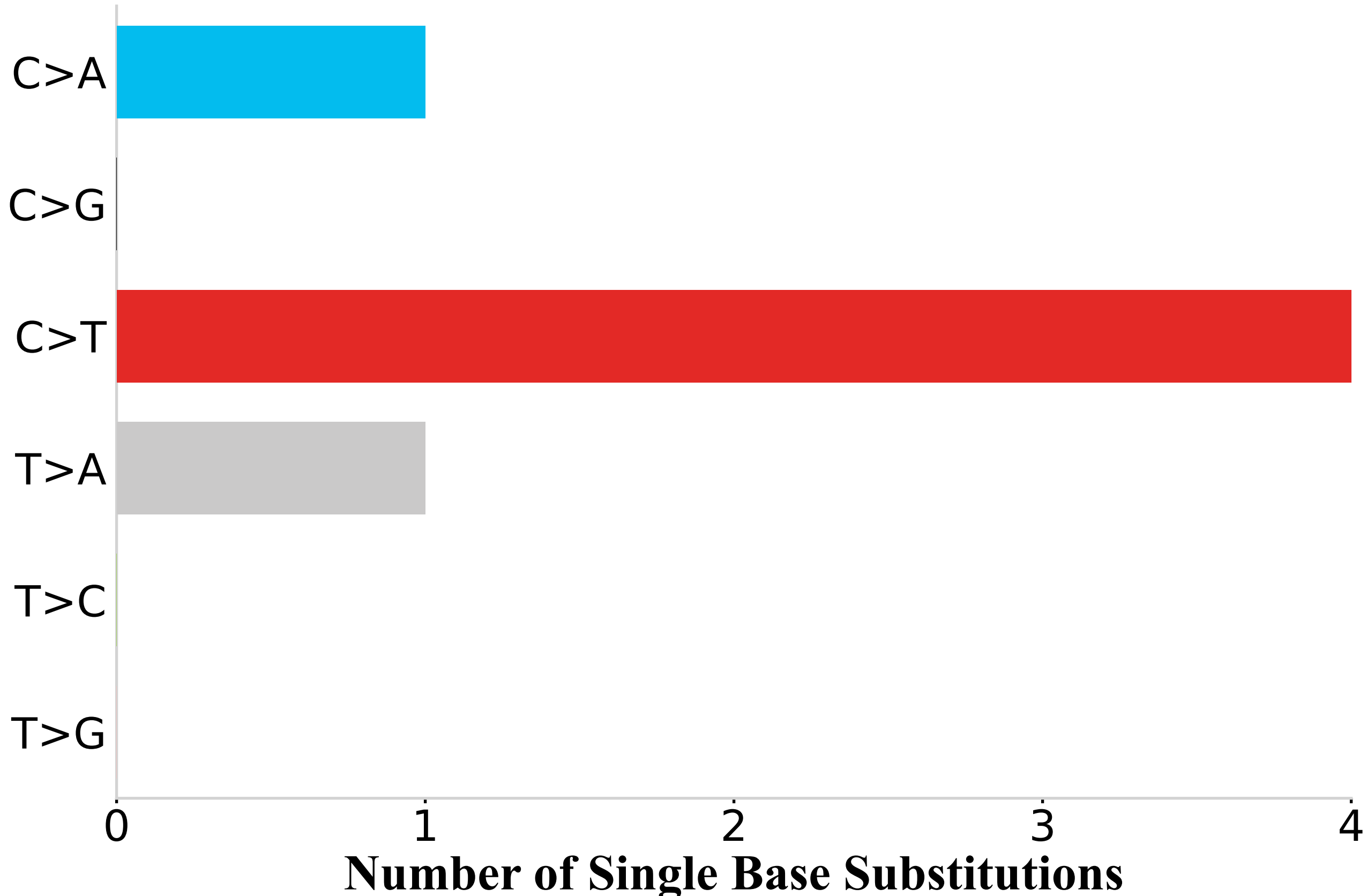
P-0031493-T01-IM6: 3 subs



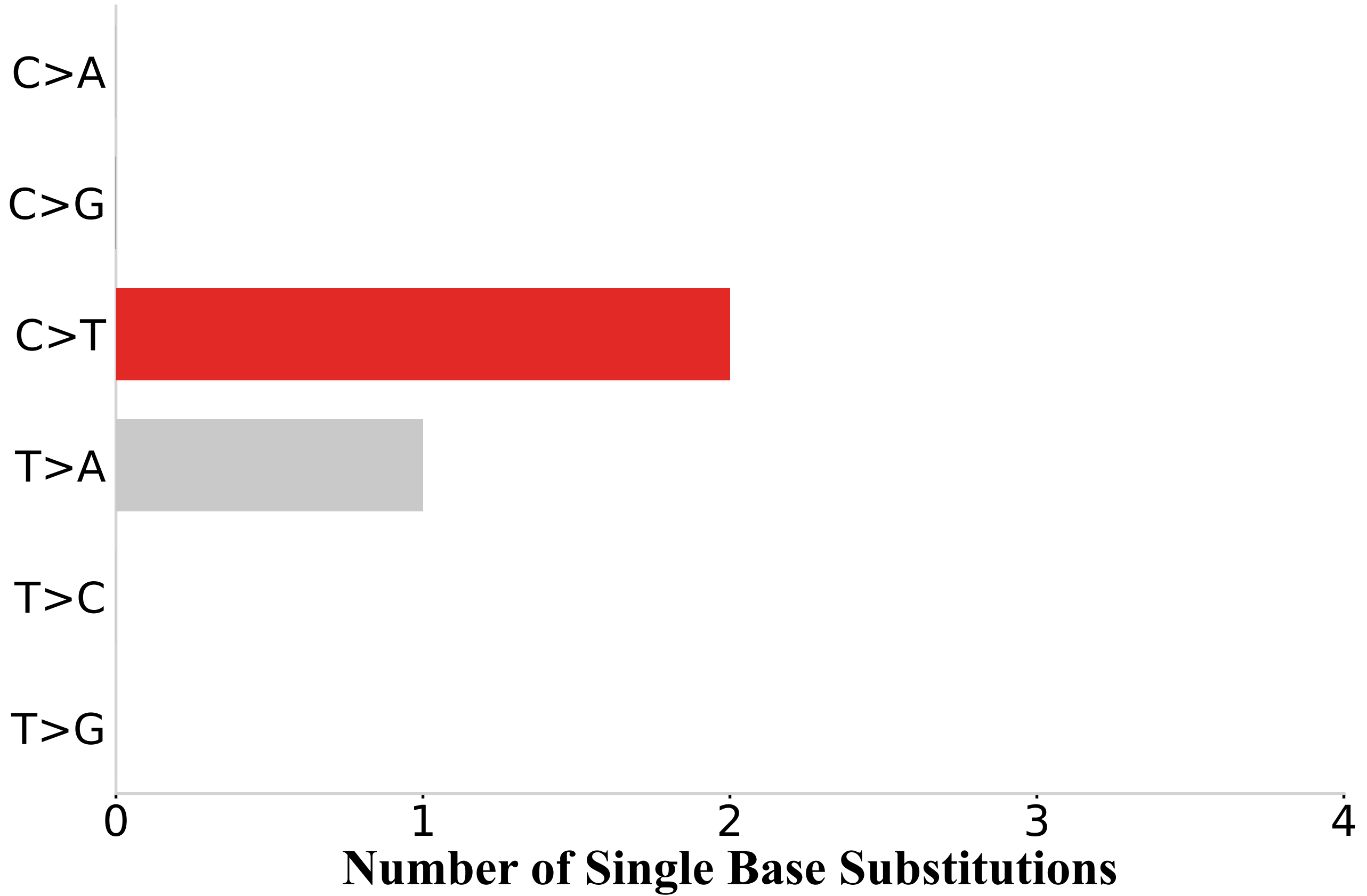
P-0031642-T01-IM6: 2 subs



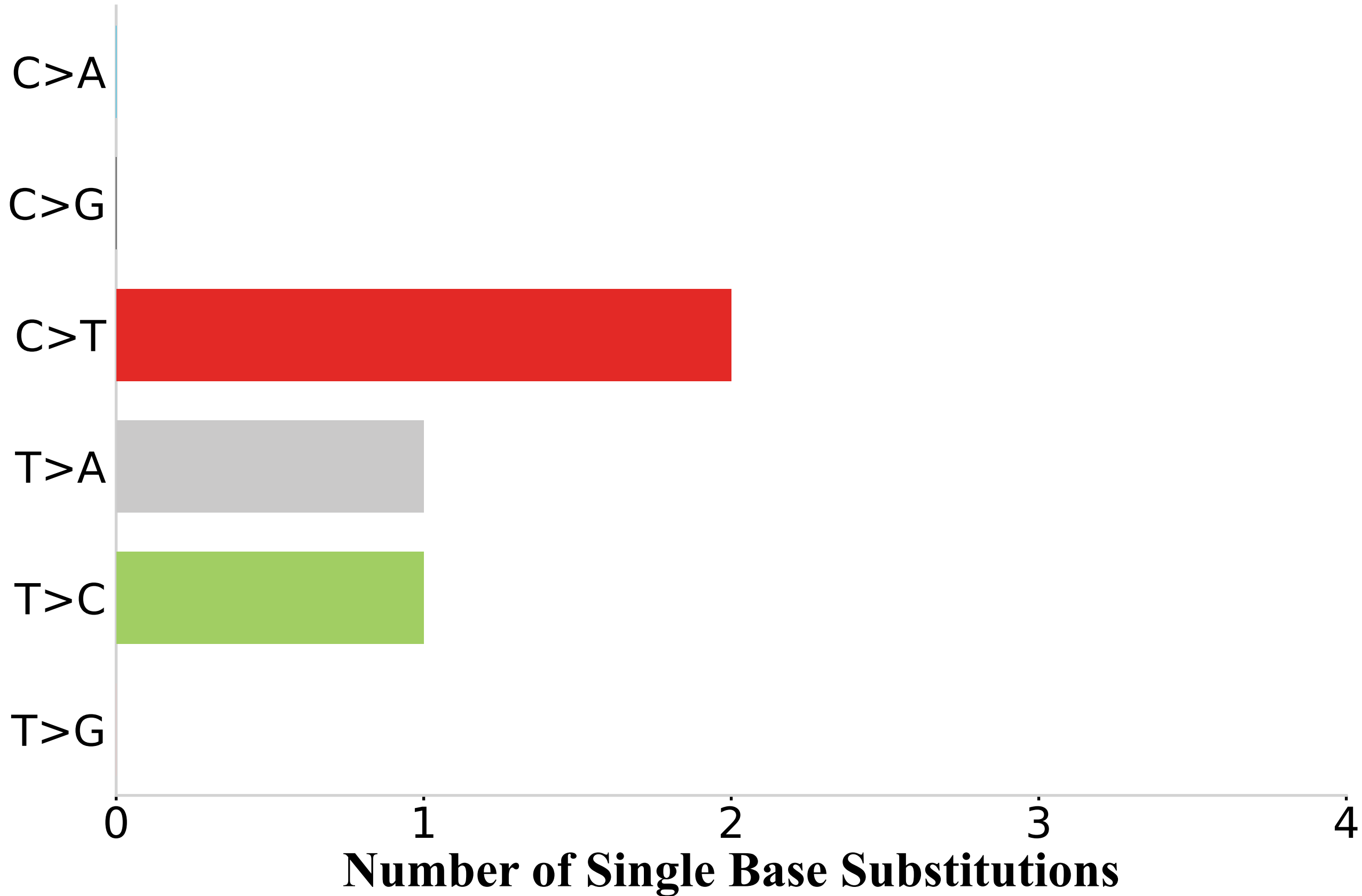
P-0032095-T01-IM6: 6 subs



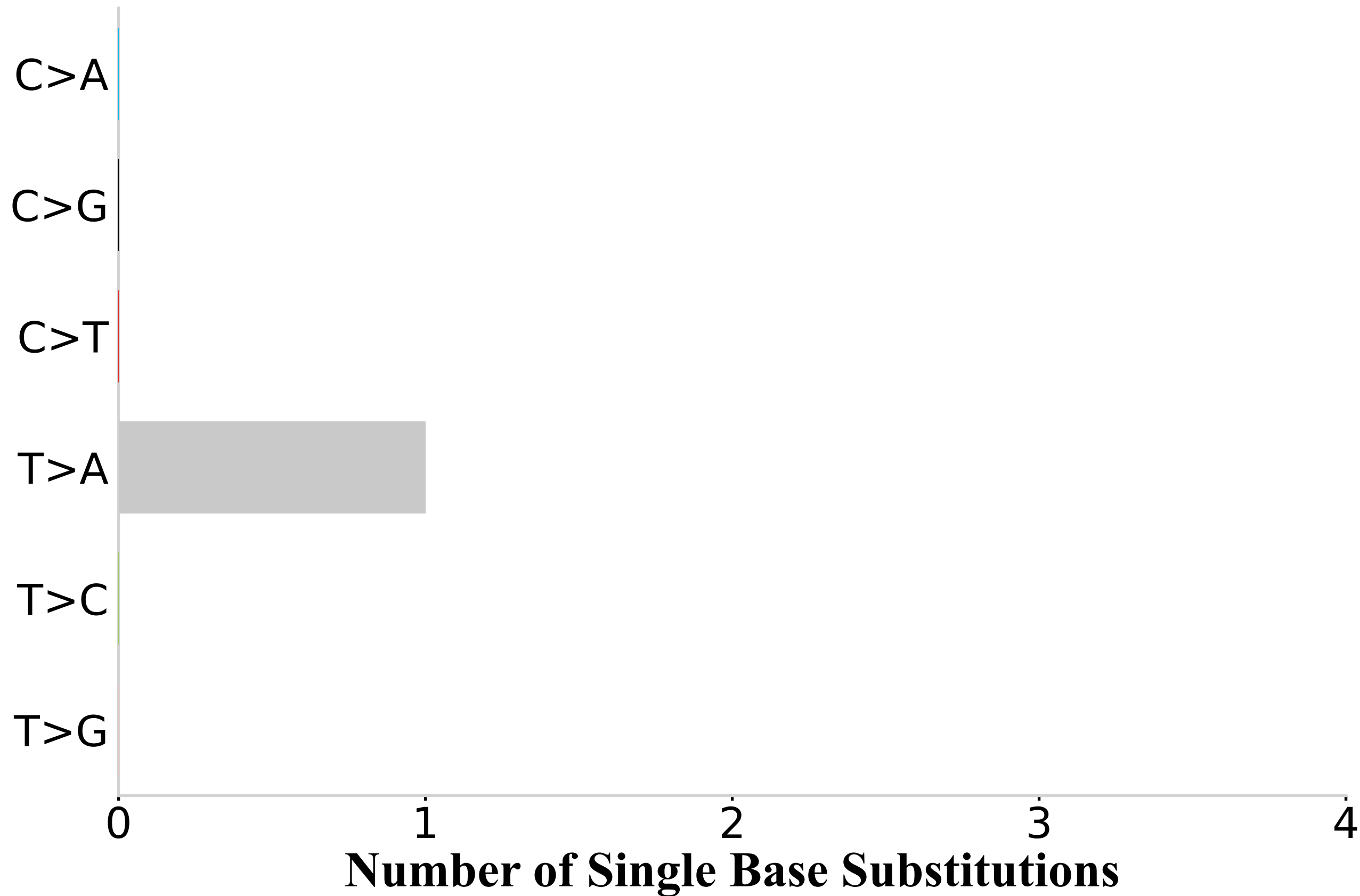
P-0032457-T01-IM6: 3 subs



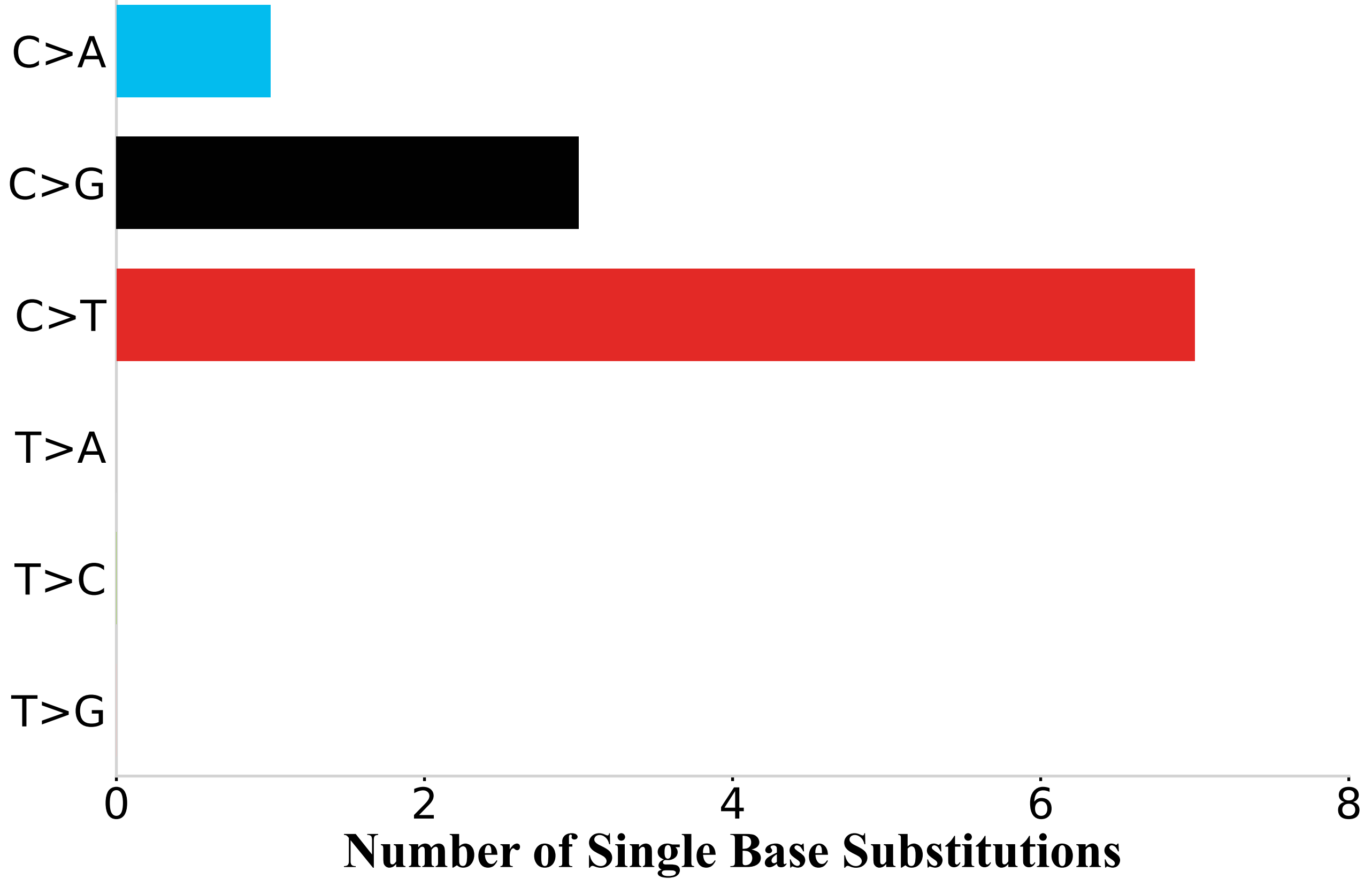
P-0032593-T02-IM6: 4 subs



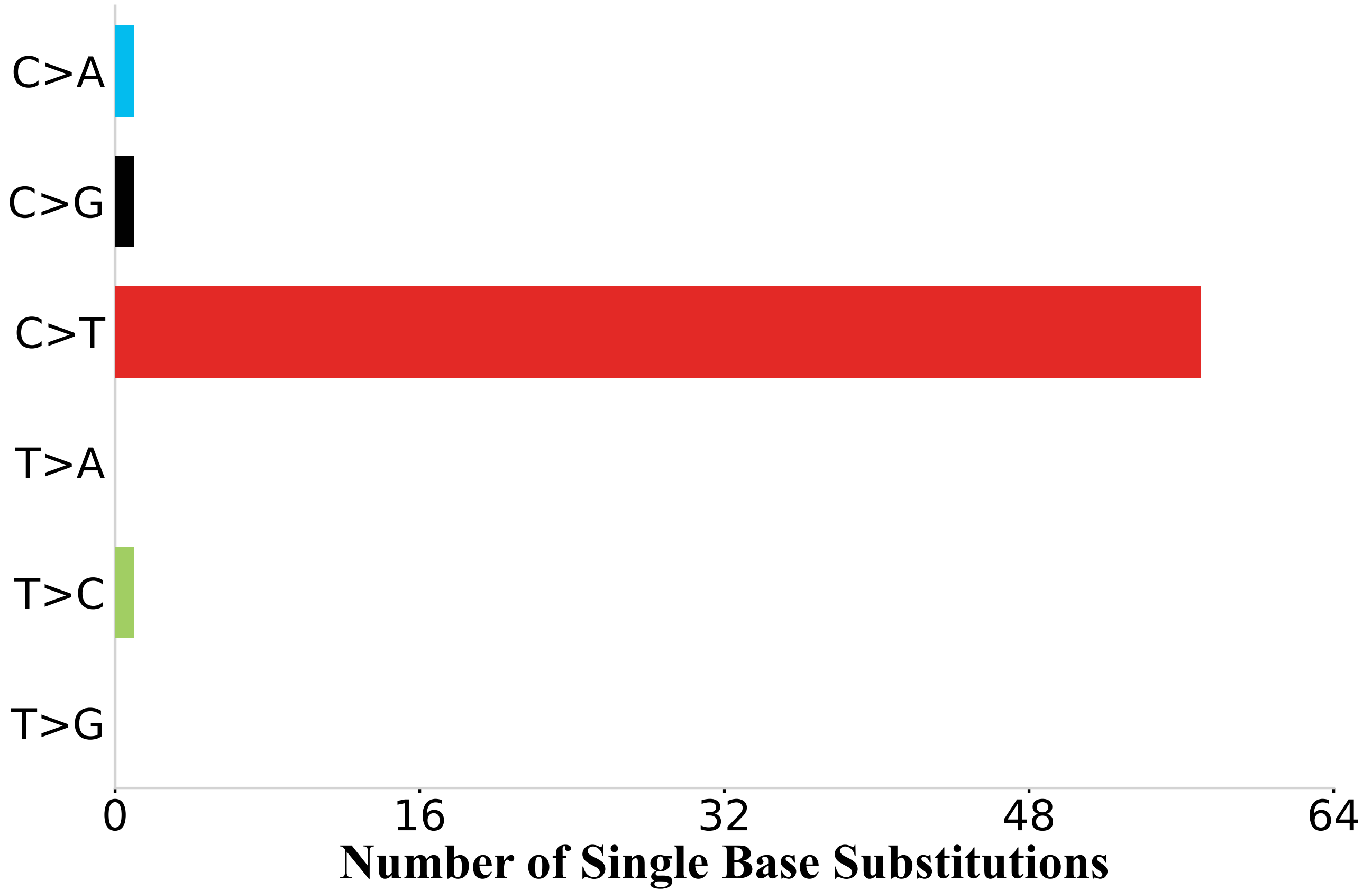
P-0032657-T01-IM6: 1 subs



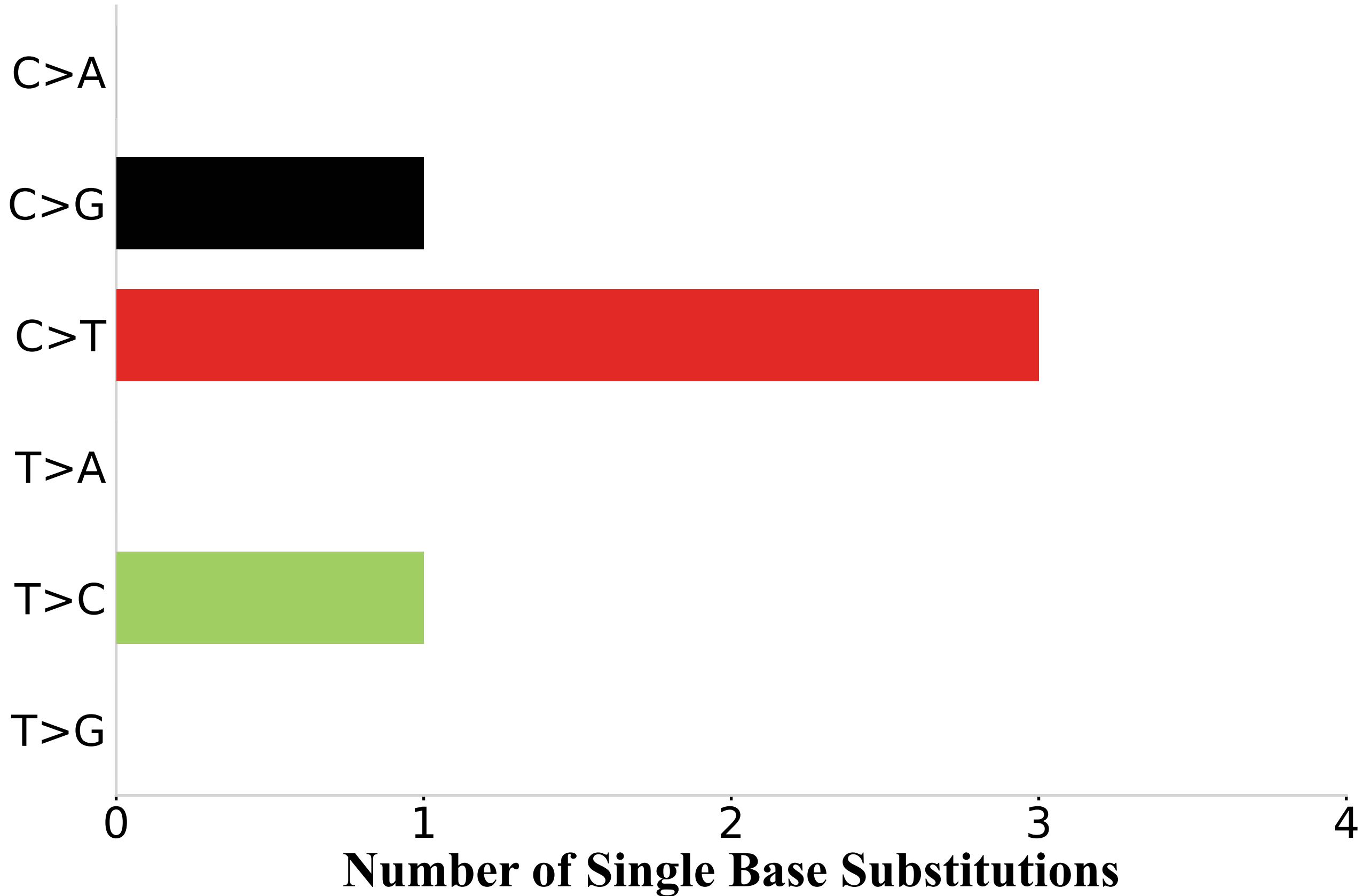
P-0032675-T01-IM6: 11 subs



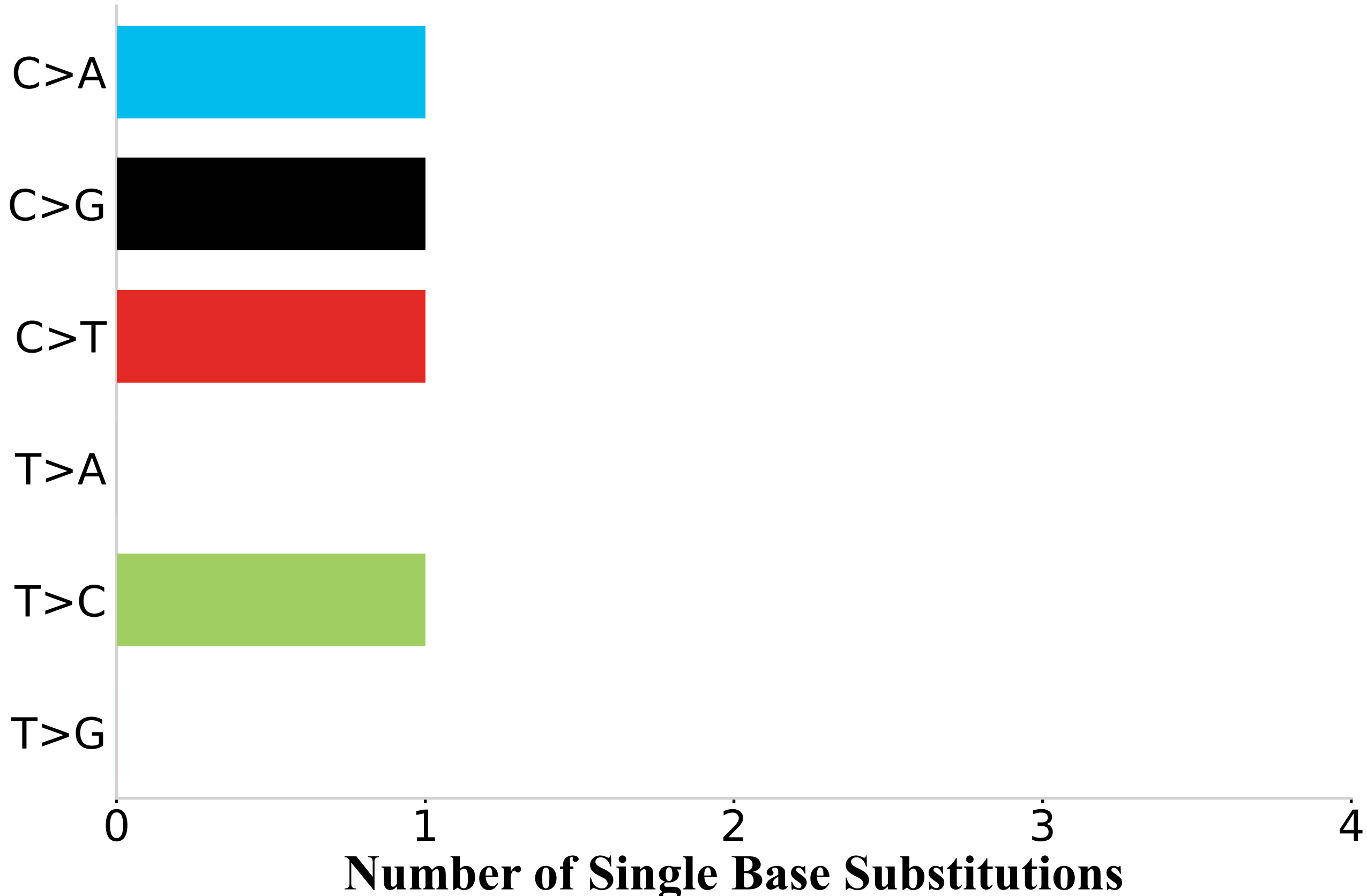
P-0032723-T01-IM6: 60 subs



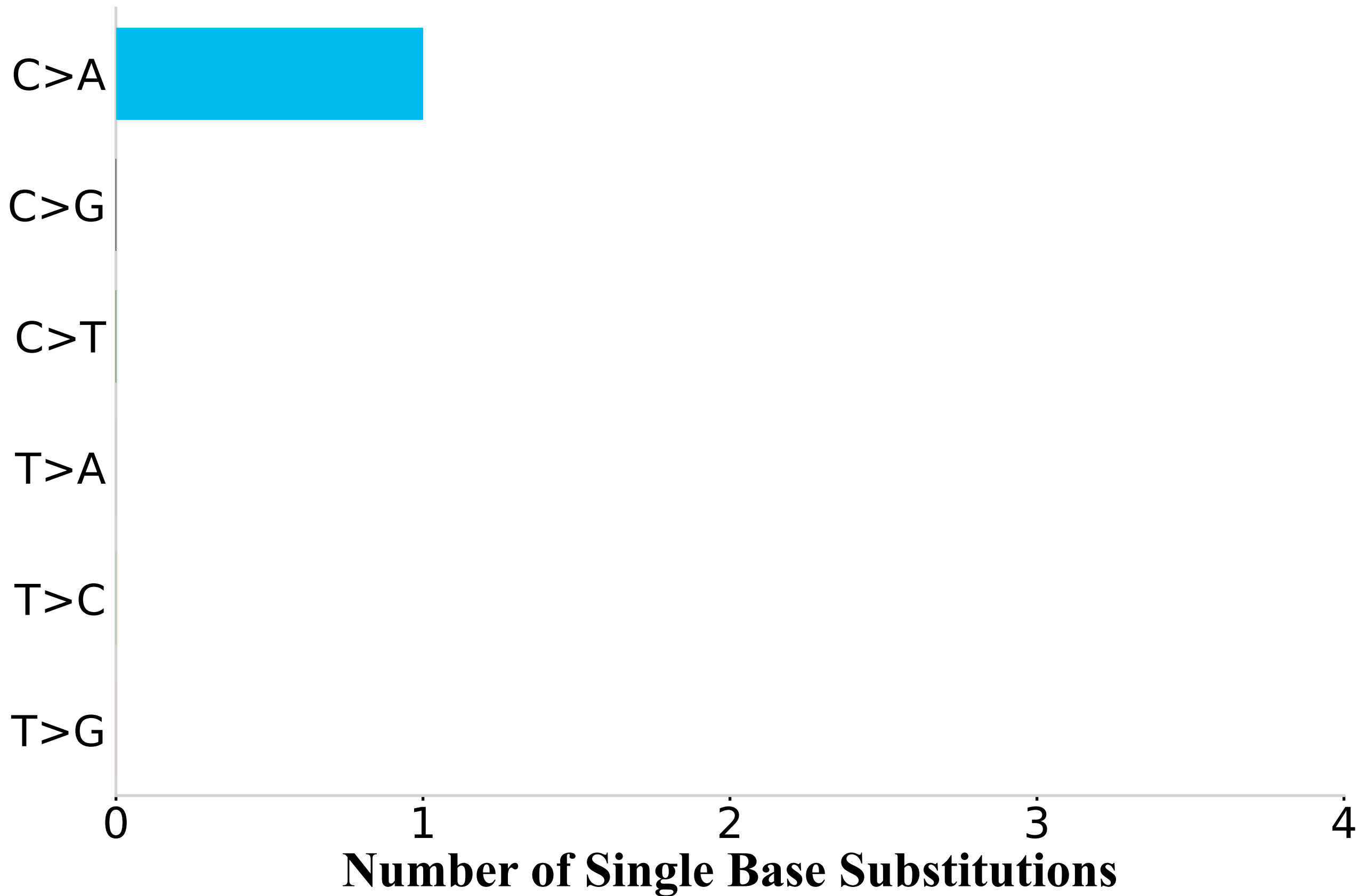
P-0032742-T01-IM6: 5 subs



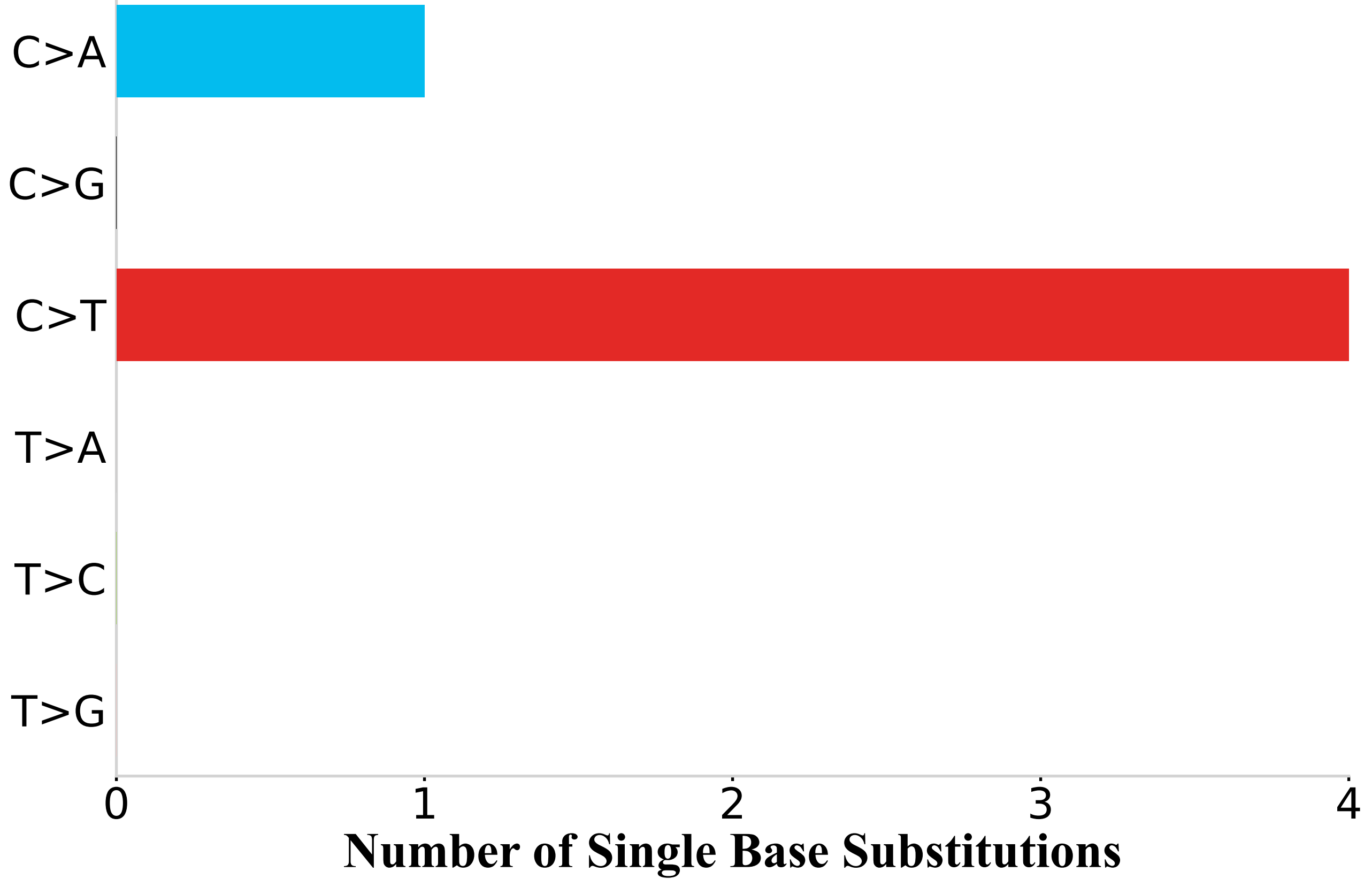
P-0032871-T01-IM6: 4 subs



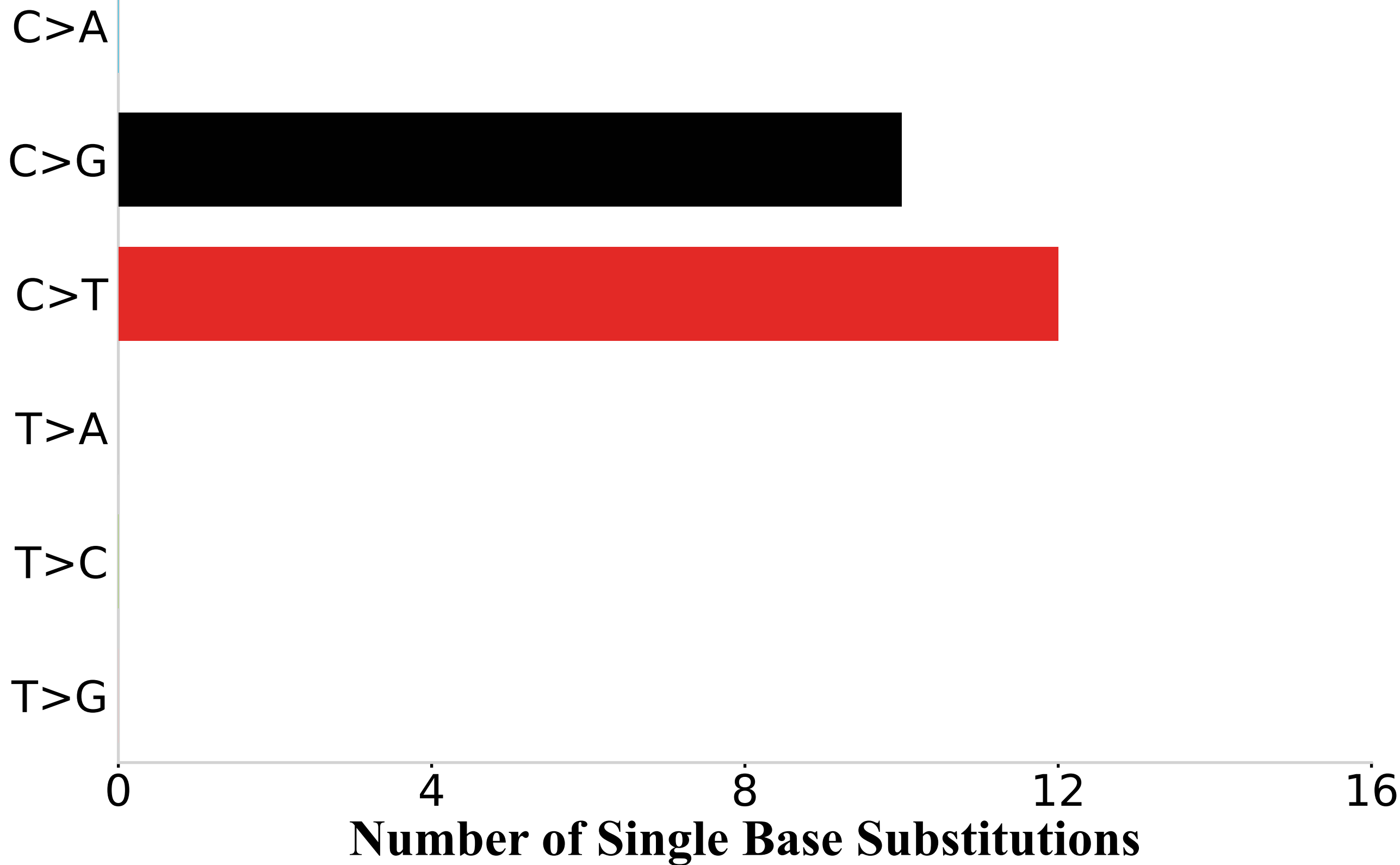
P-0032964-T01-IM6: 1 subs



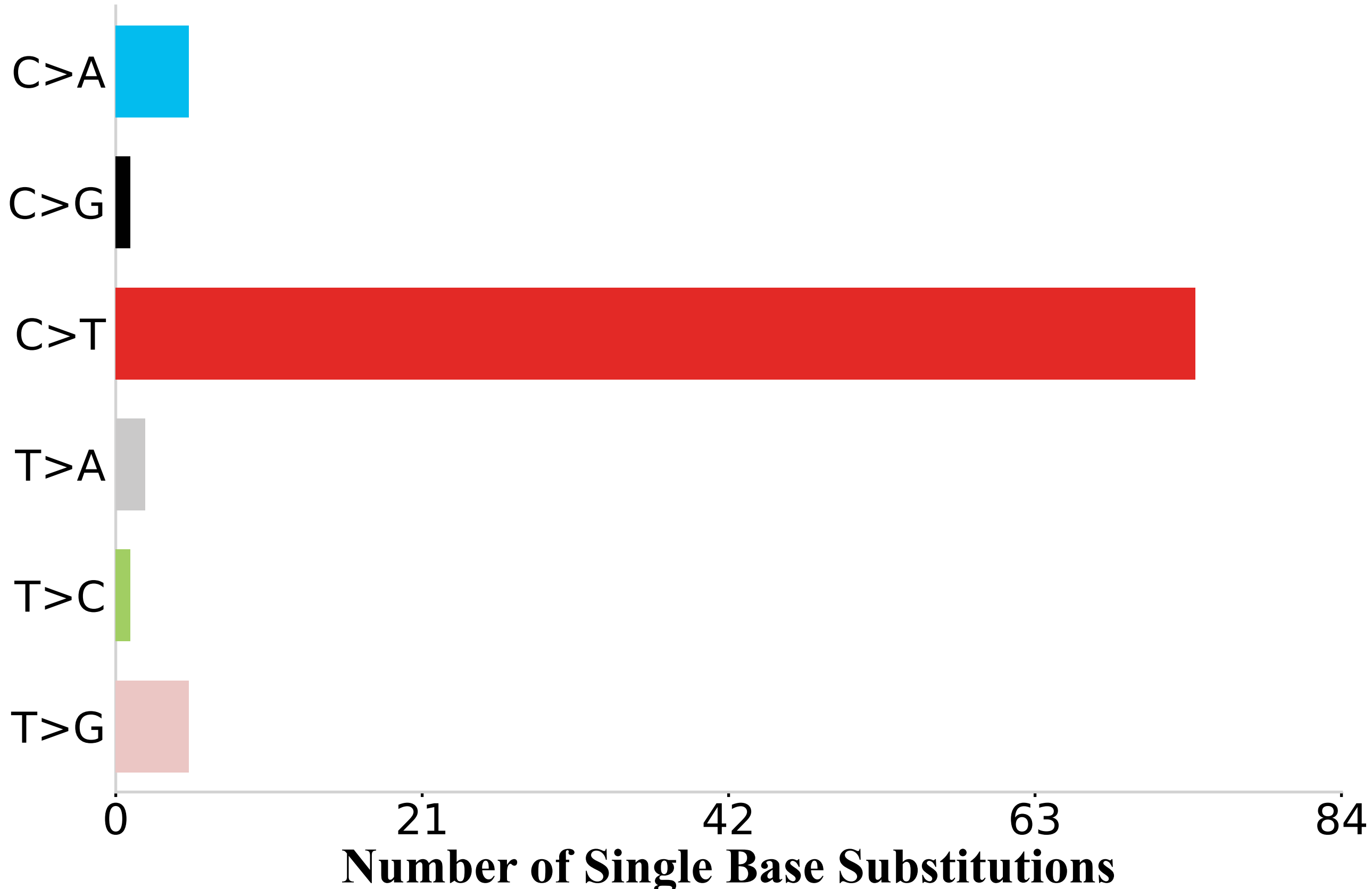
P-0033113-T01-IM6: 5 subs



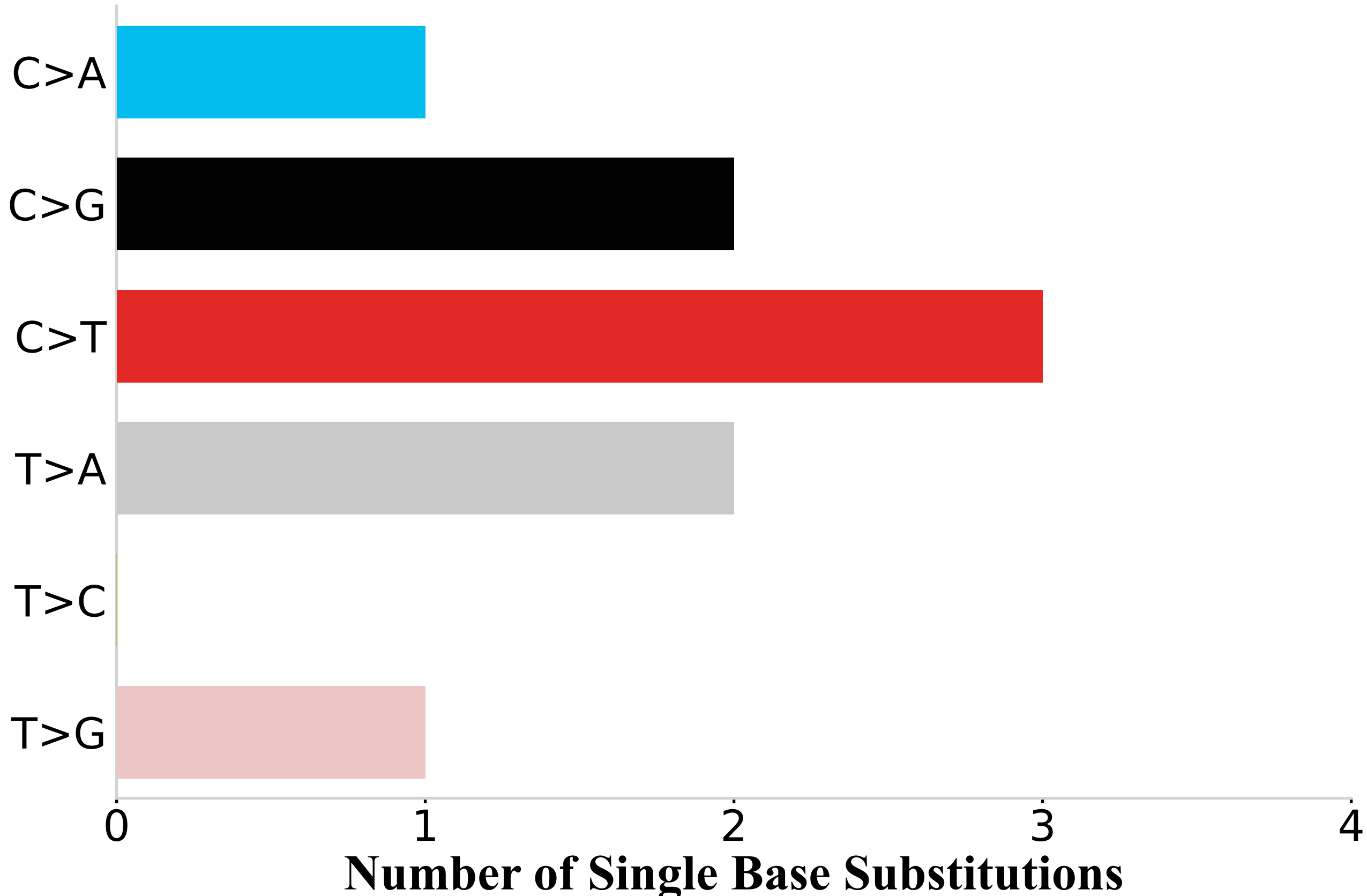
P-0033254-T01-IM6: 22 subs



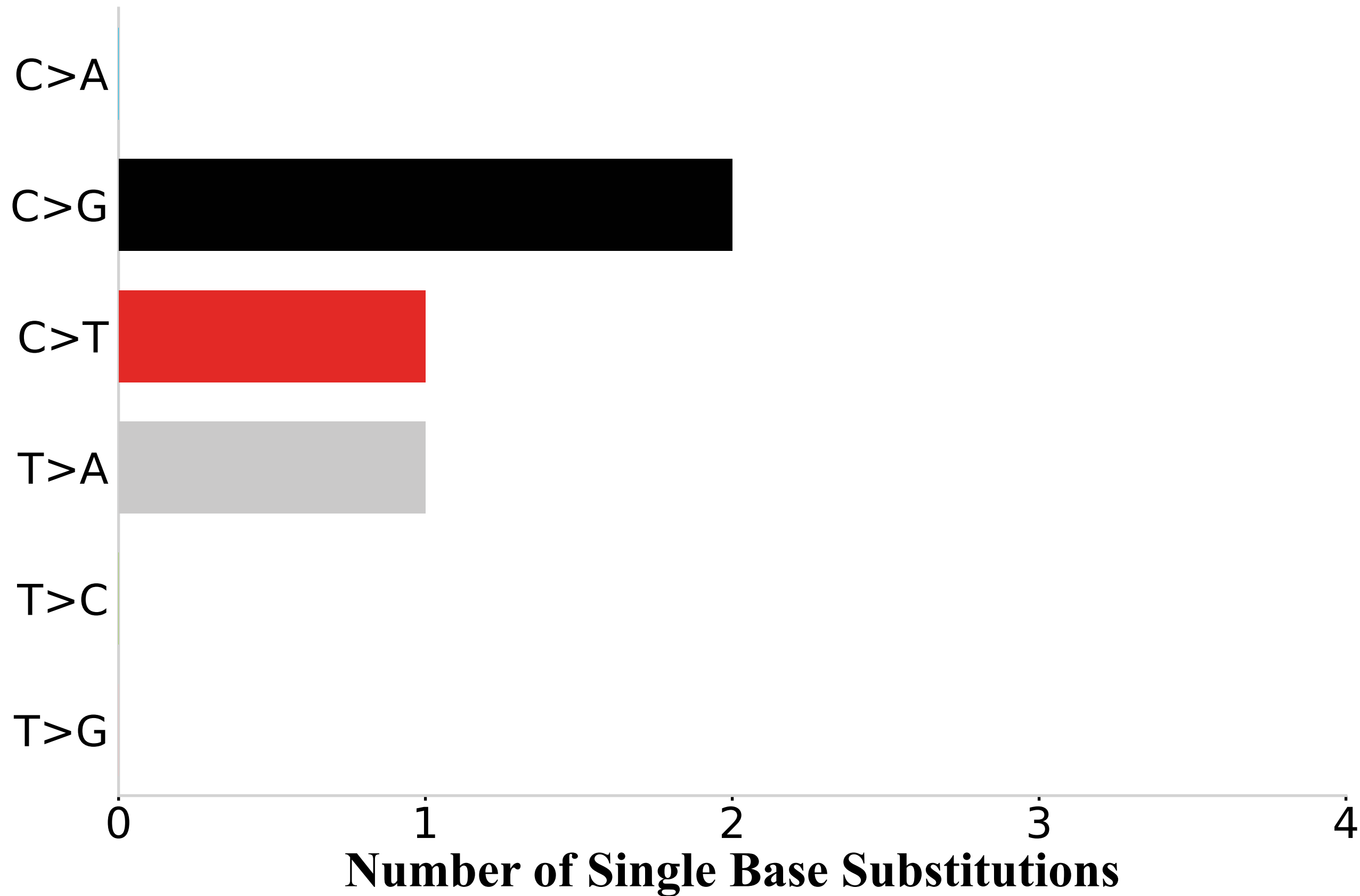
P-0033593-T02-IM6: 88 subs



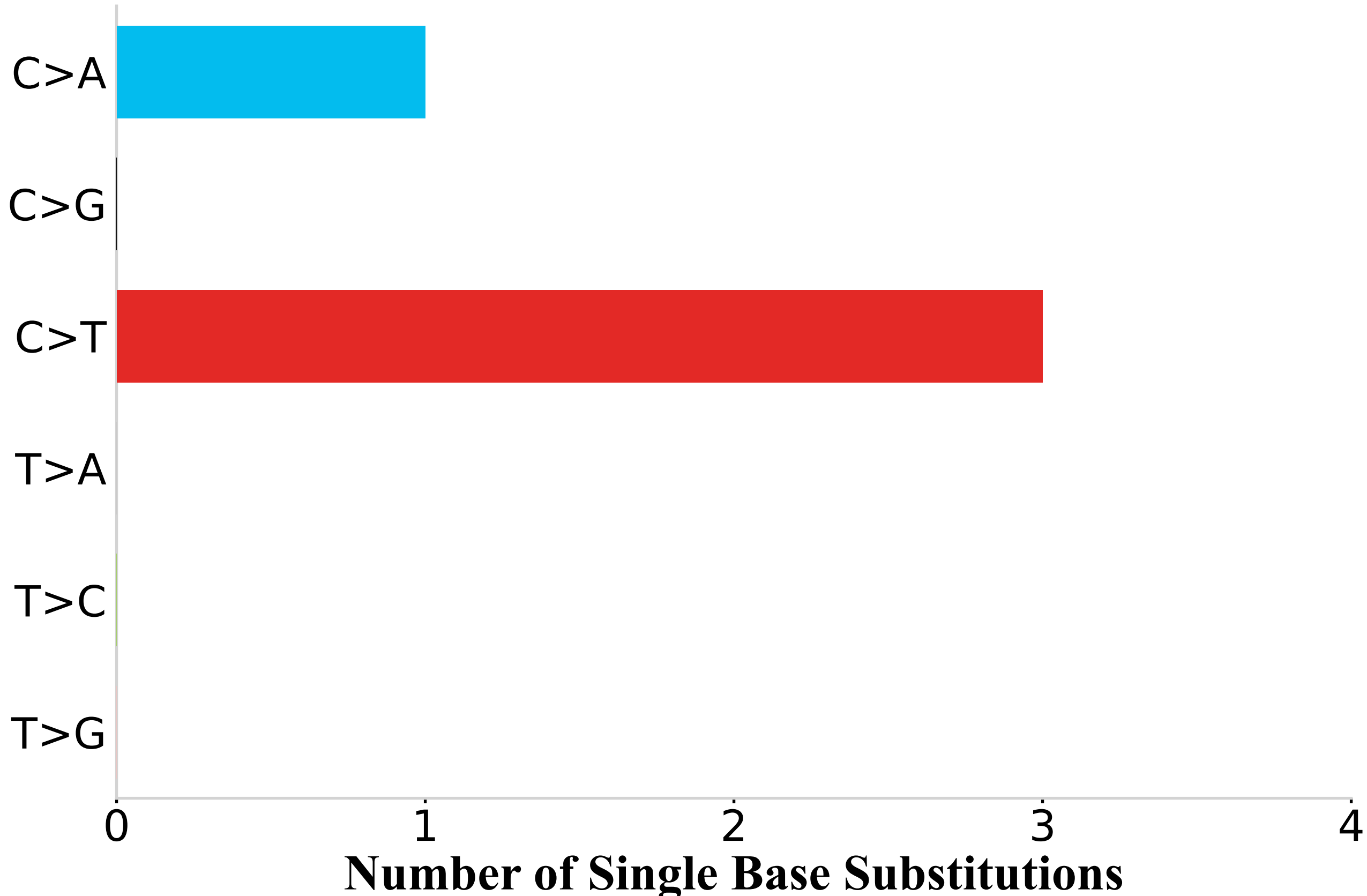
P-0033788-T01-IM6: 9 subs



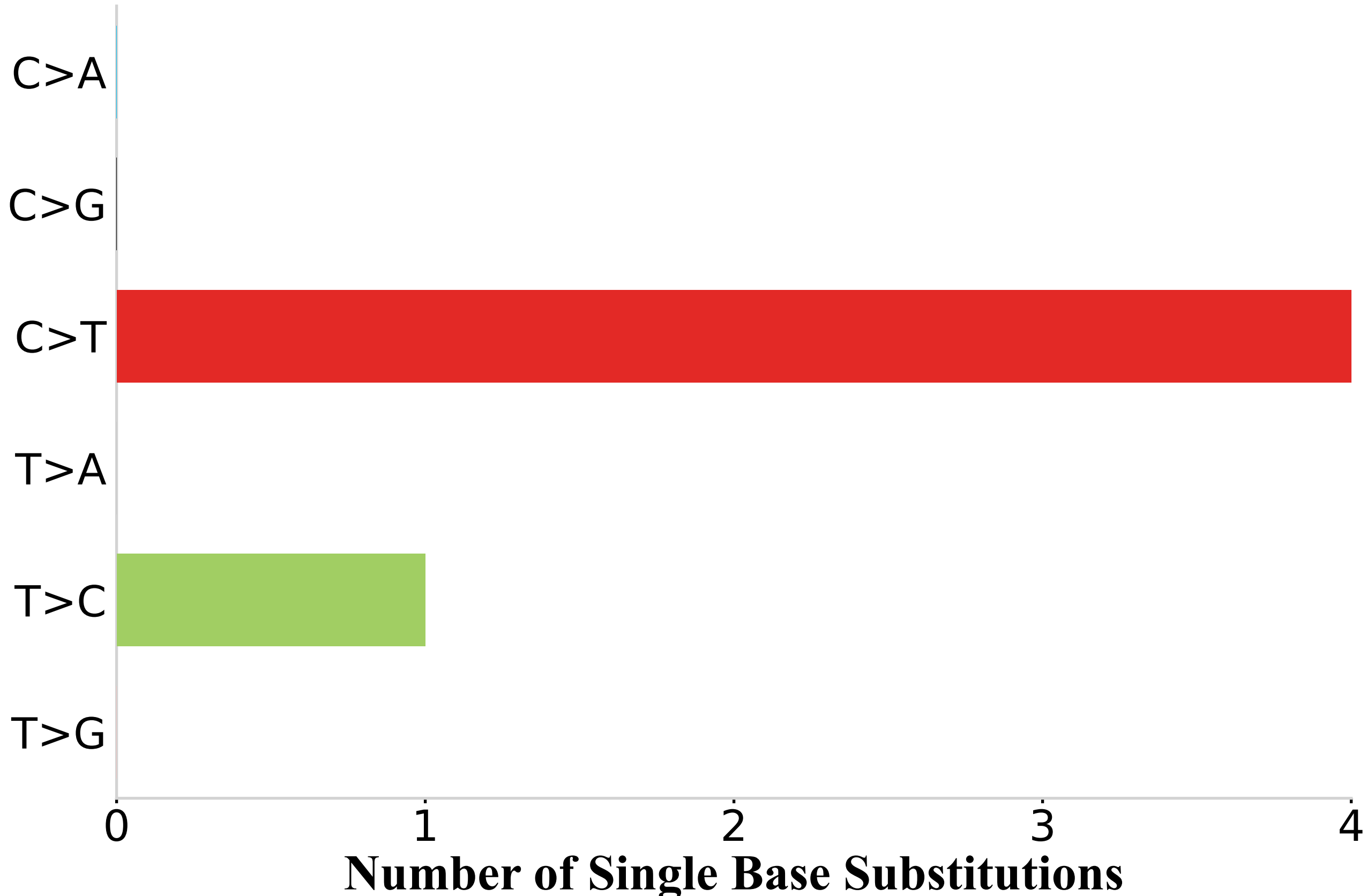
P-0033933-T02-IM6: 4 subs



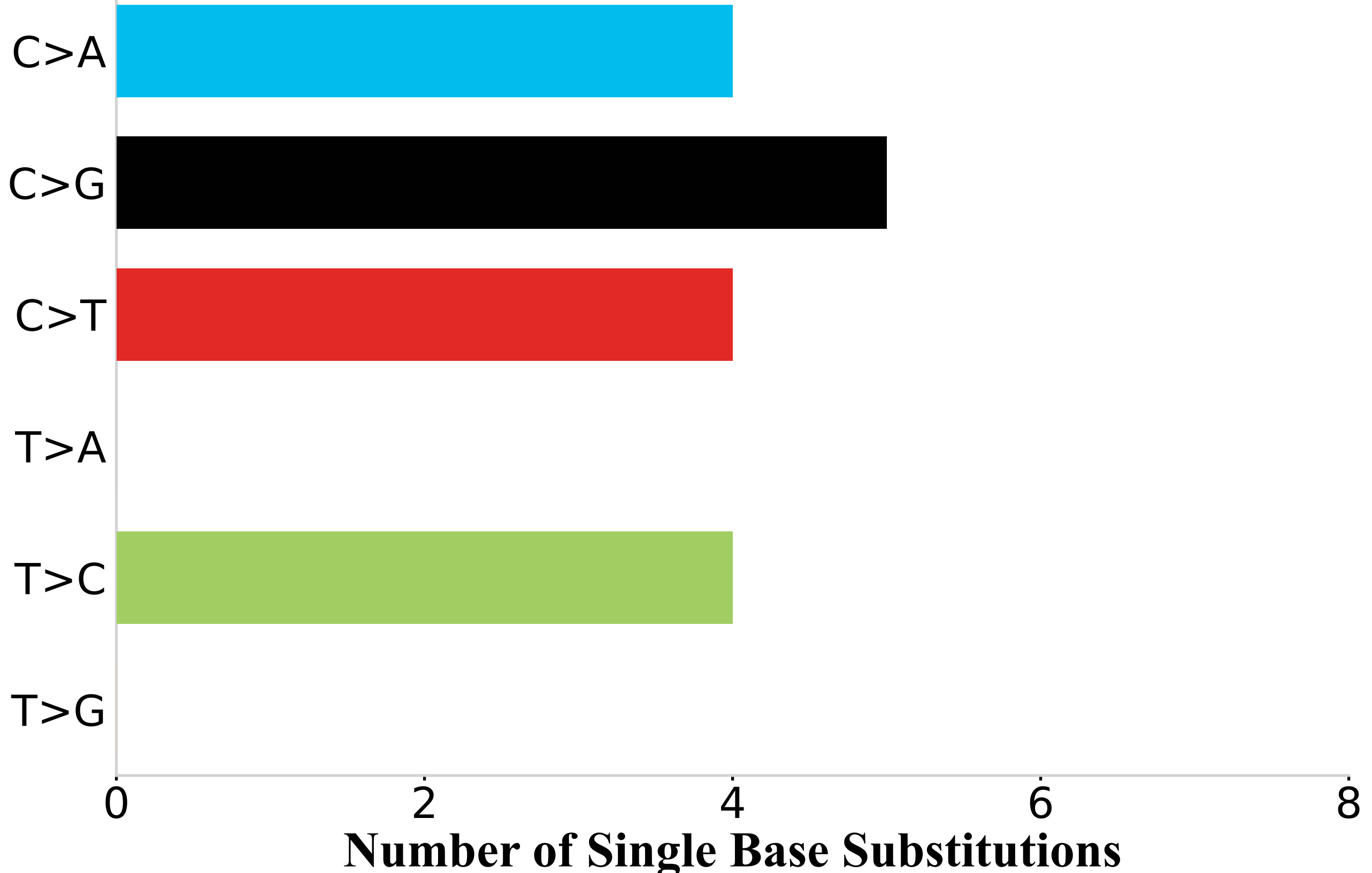
P-0034140-T01-IM6: 4 subs



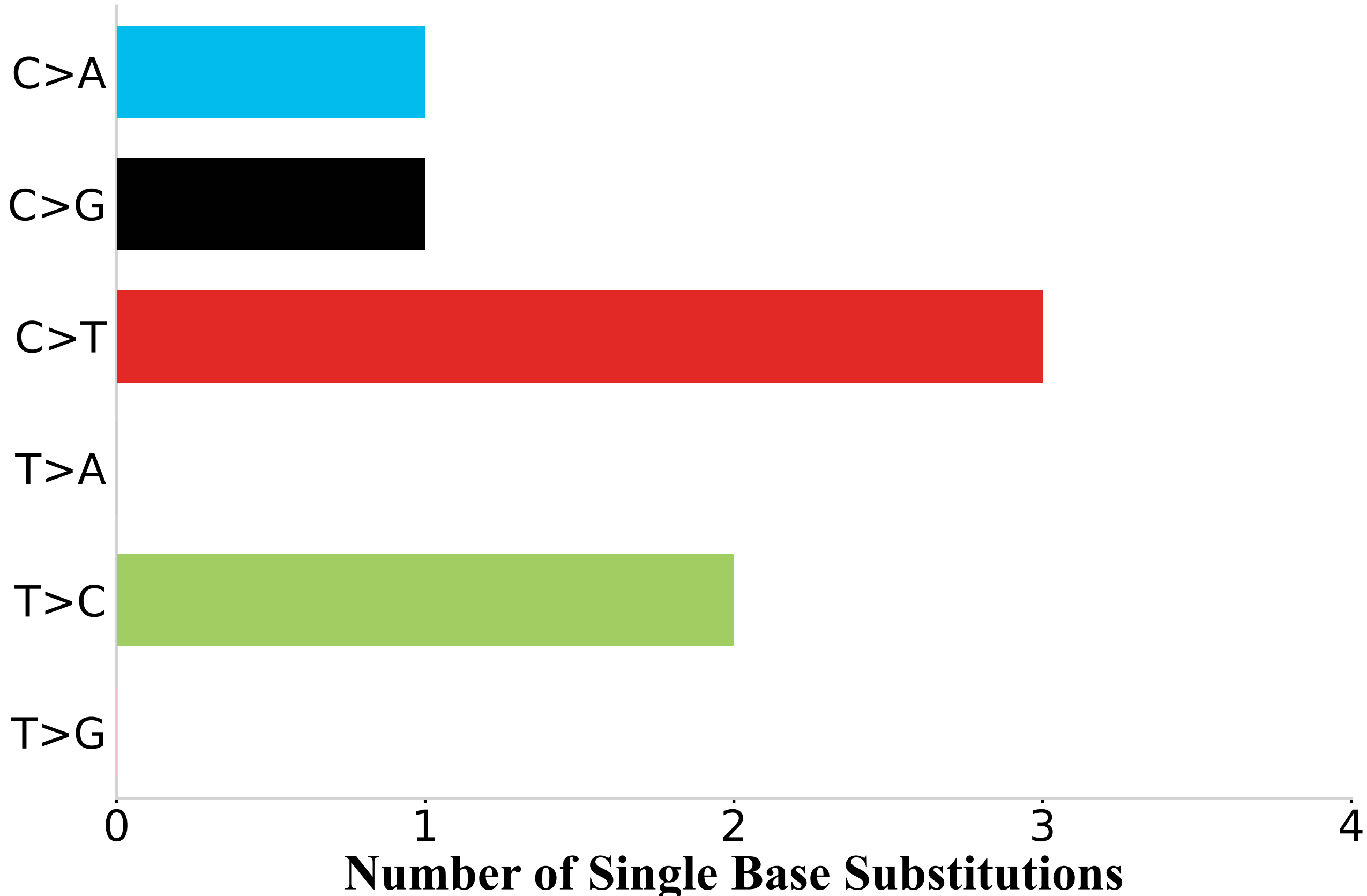
P-0034226-T01-IM6: 5 subs



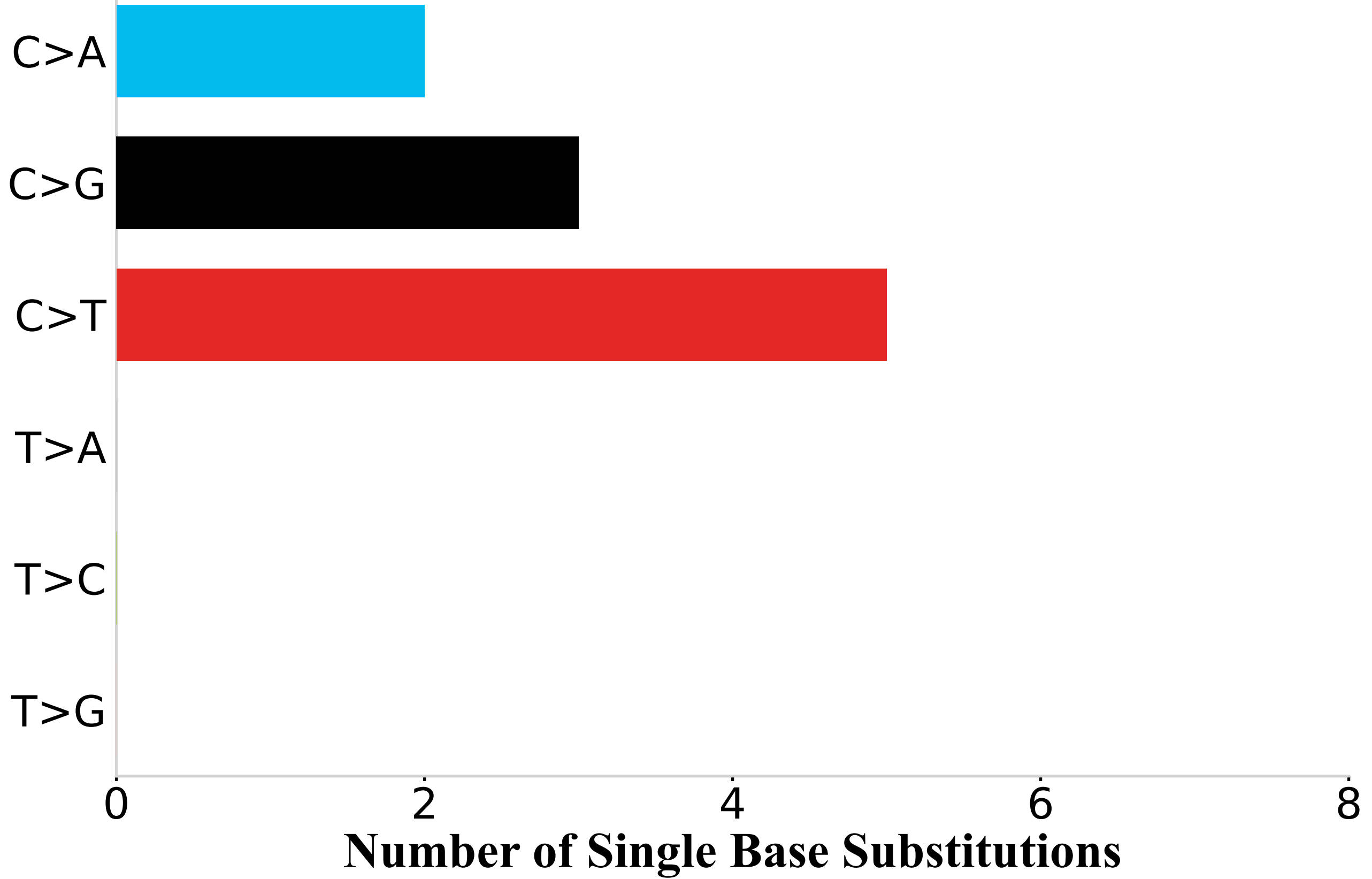
P-0034587-T01-IM6: 17 subs



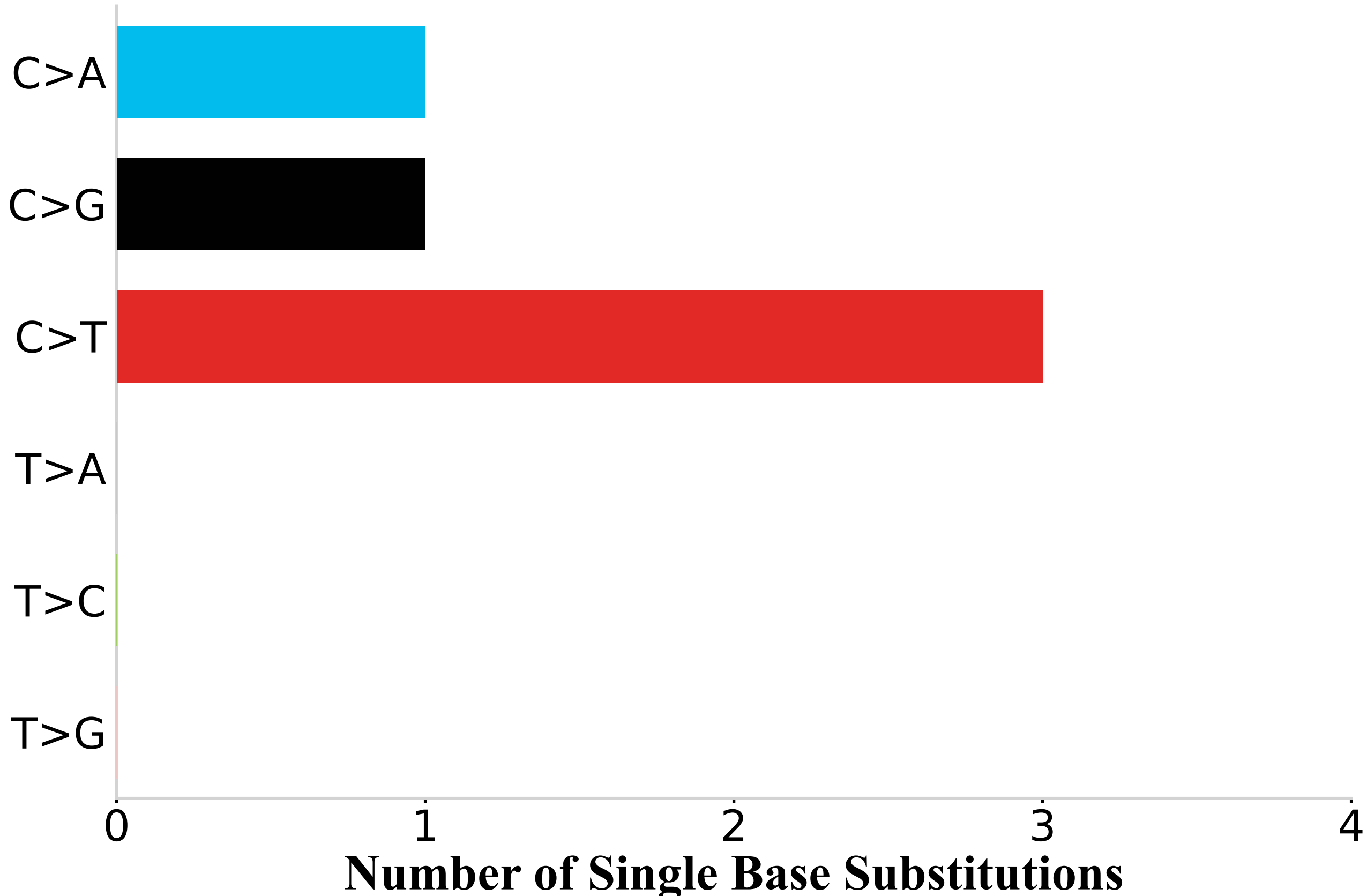
P-0034904-T01-IM6: 7 subs



P-0034981-T01-IM6: 10 subs



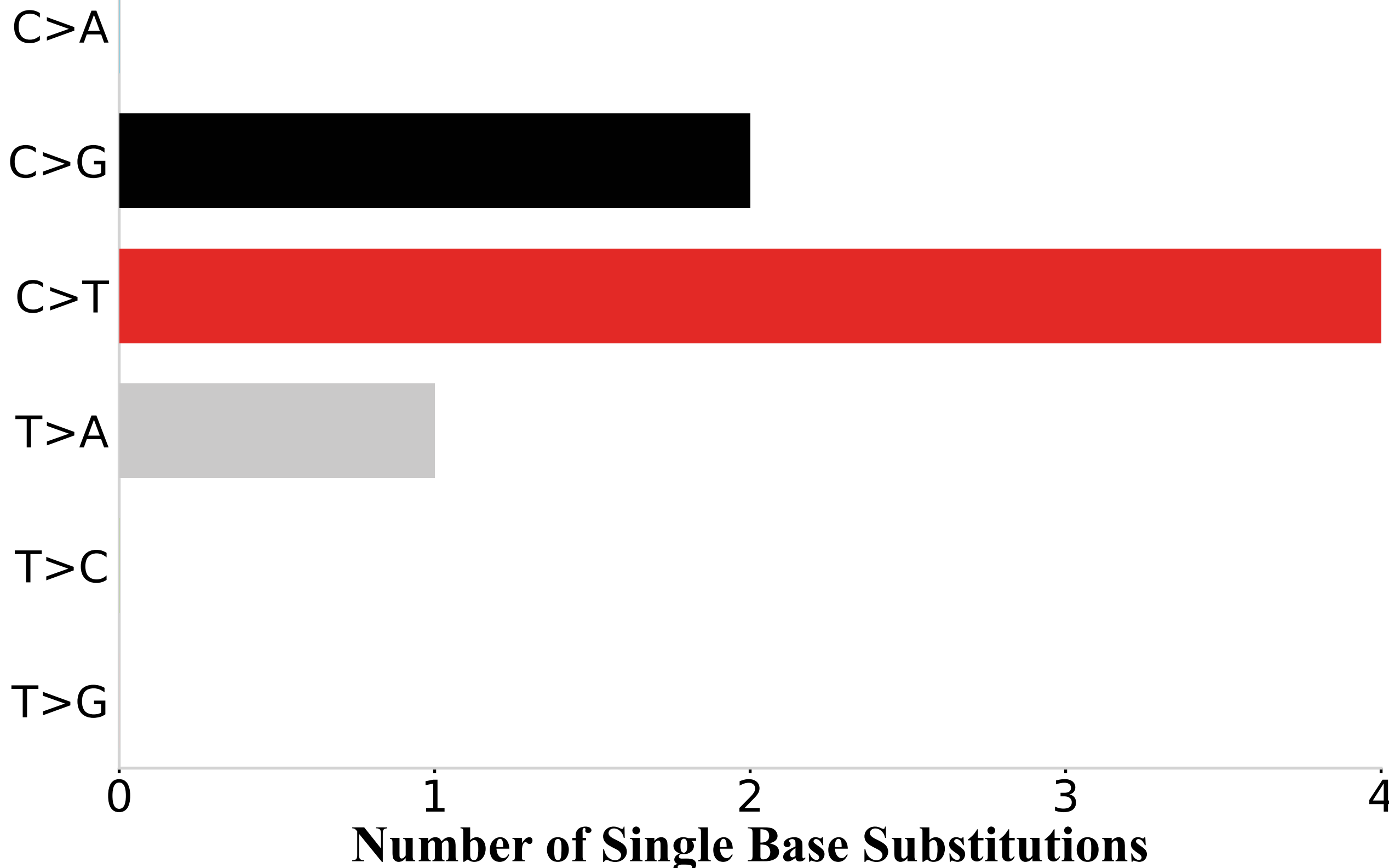
P-0035074-T01-IM6: 5 subs



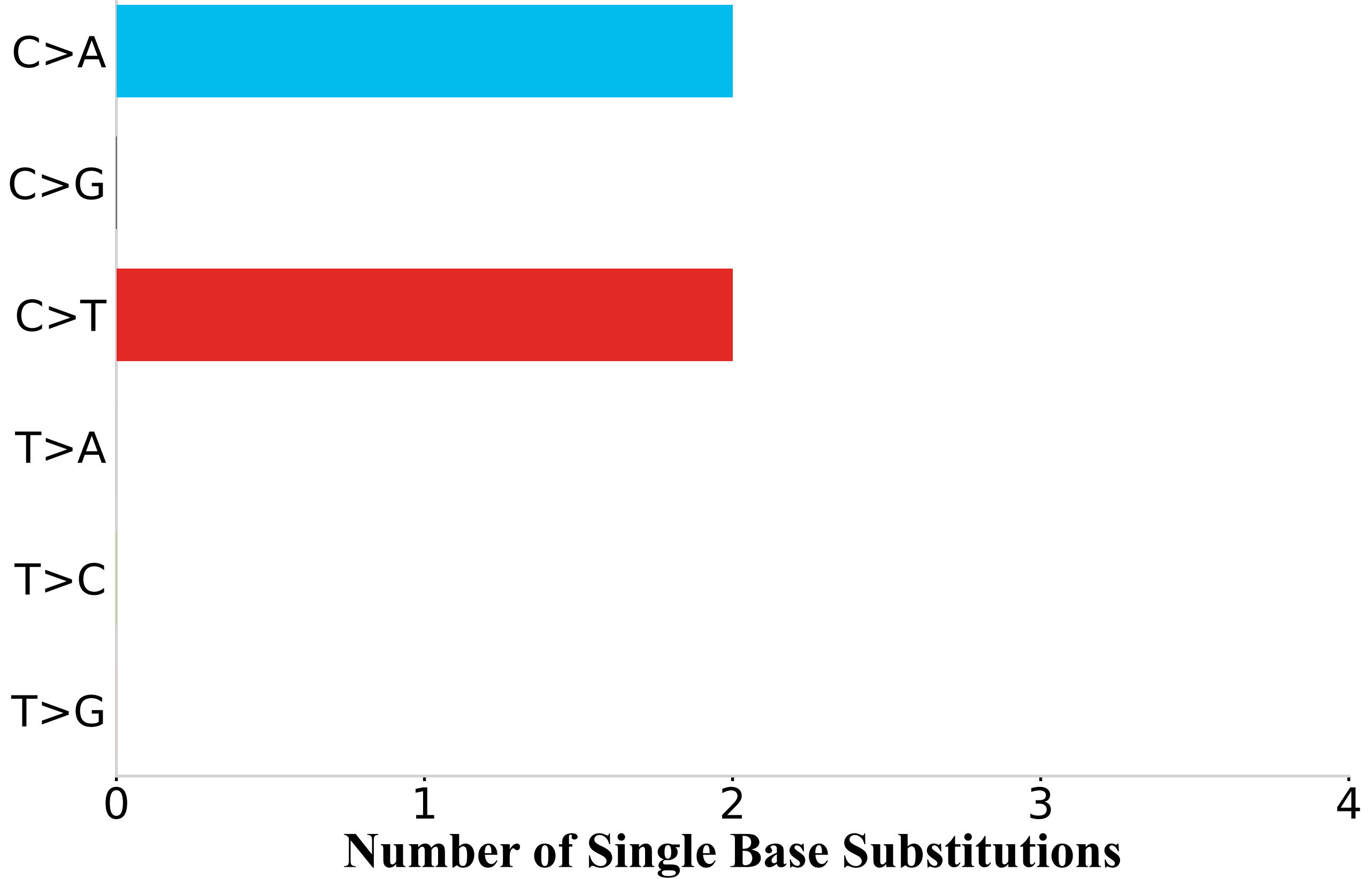
P-0035159-T01-IM6: 1 subs



P-0035225-T01-IM6: 7 subs



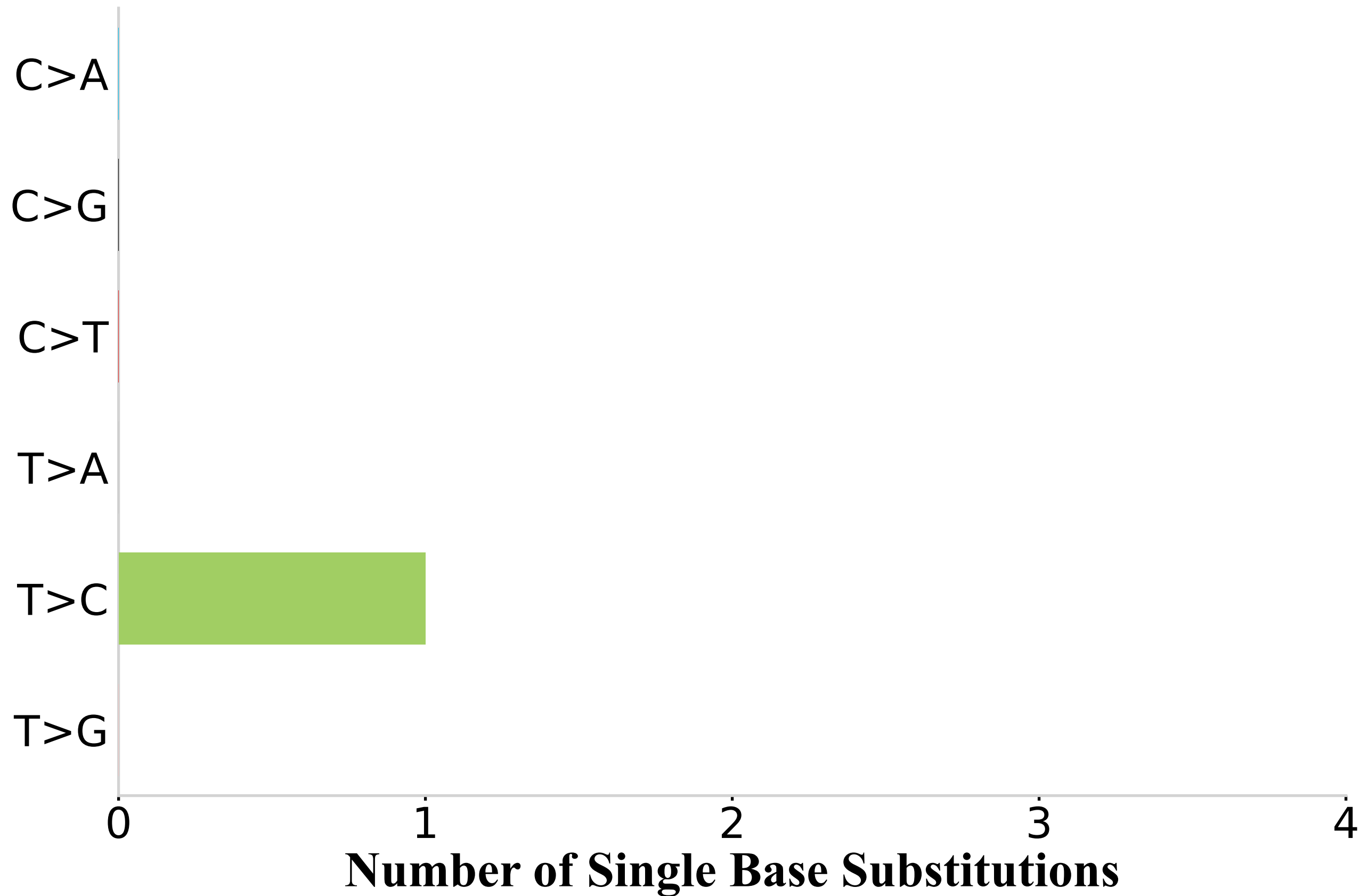
P-0035446-T01-IM6: 4 subs



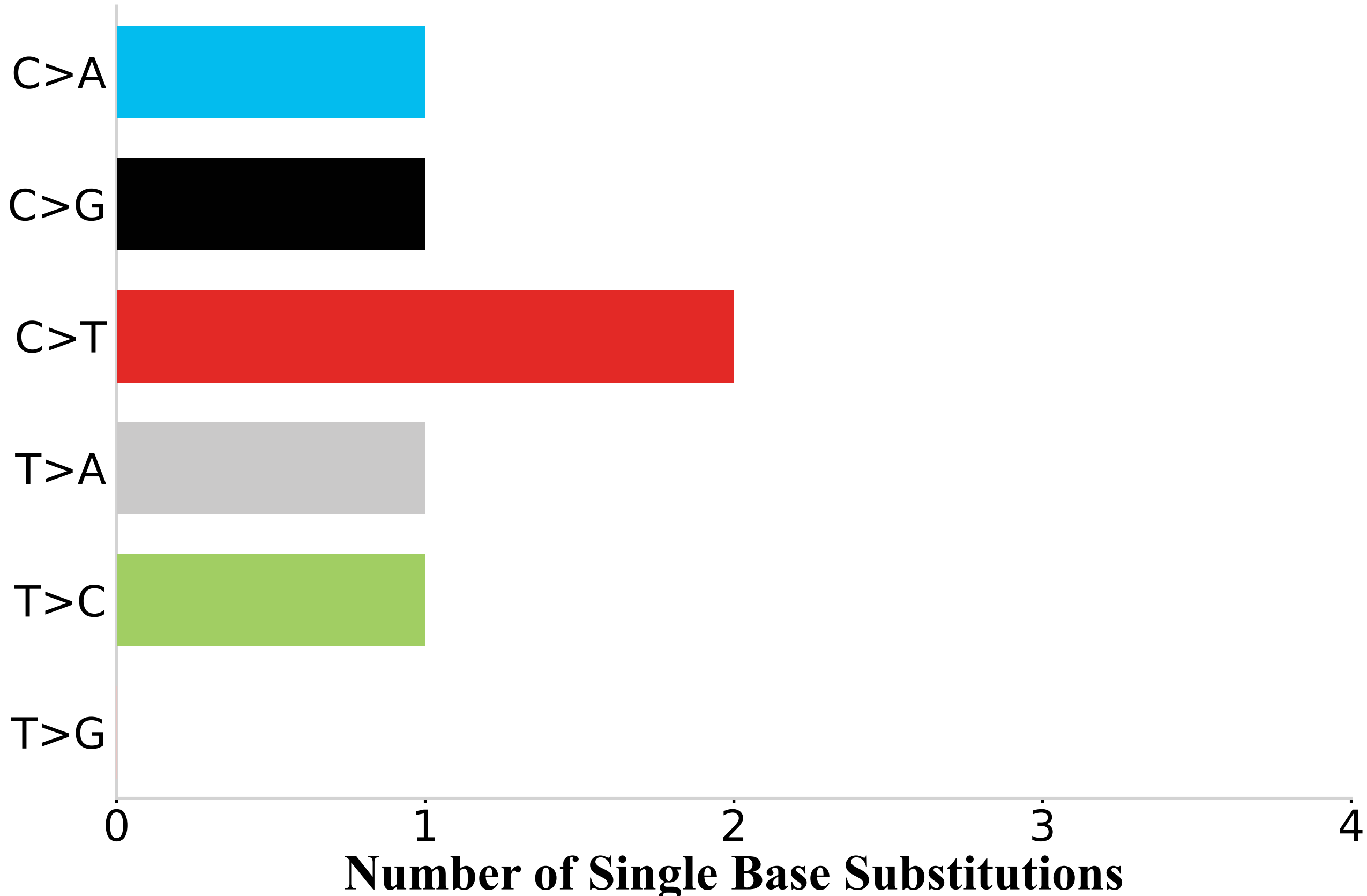
P-0035475-T01-IM6: 1 subs



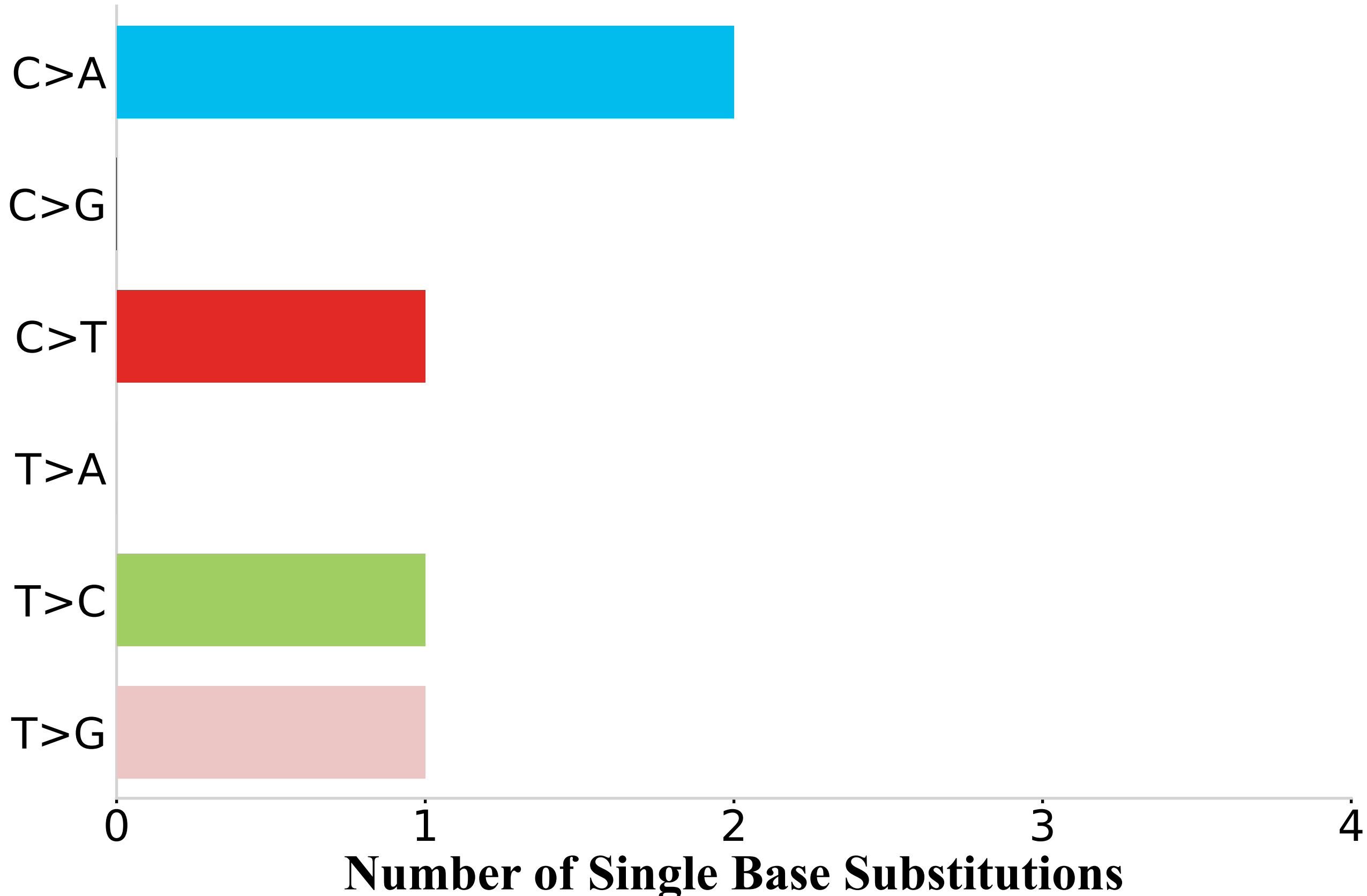
P-0035529-T01-IM6: 1 subs



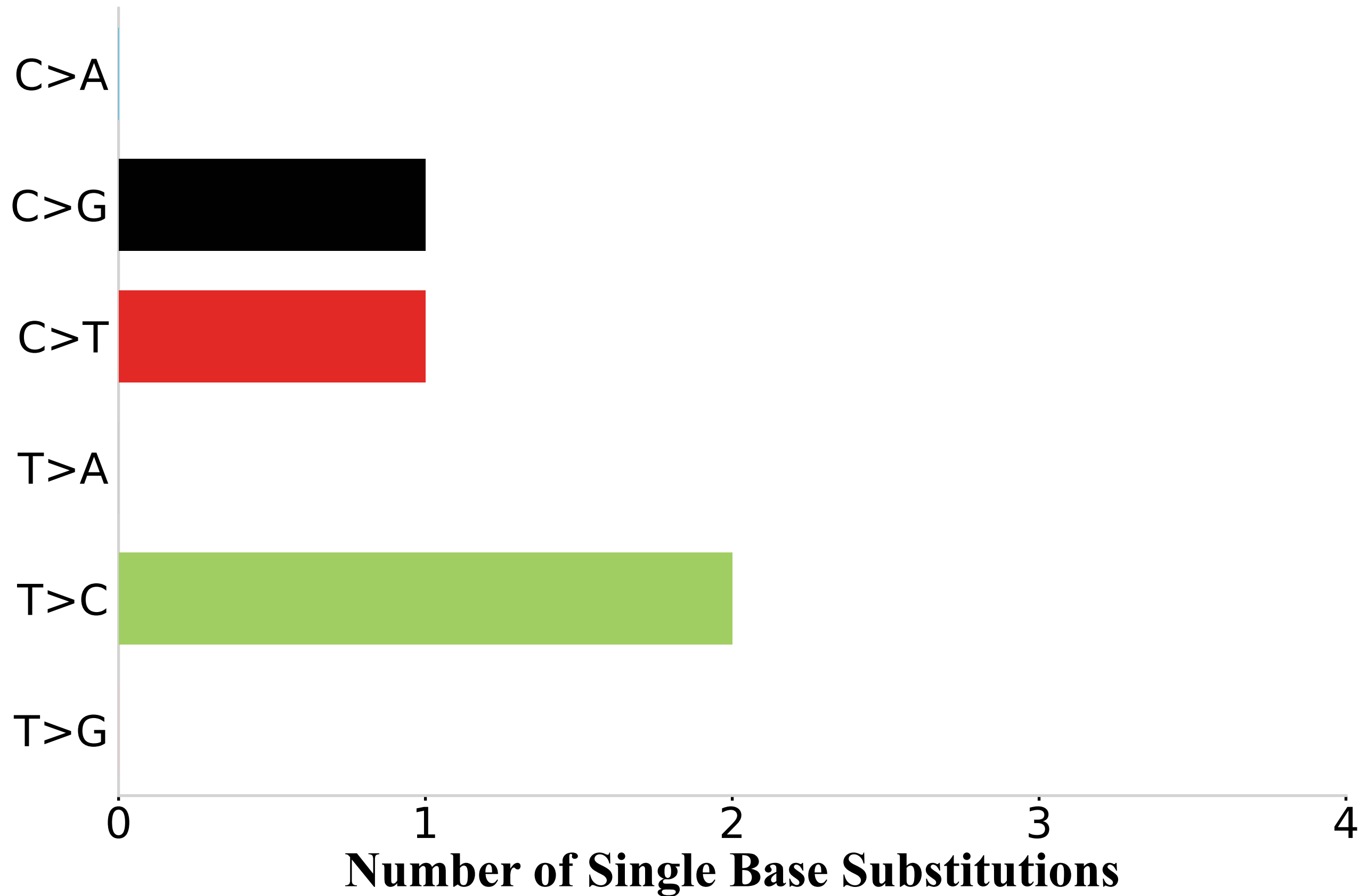
P-0035666-T01-IM6: 6 subs



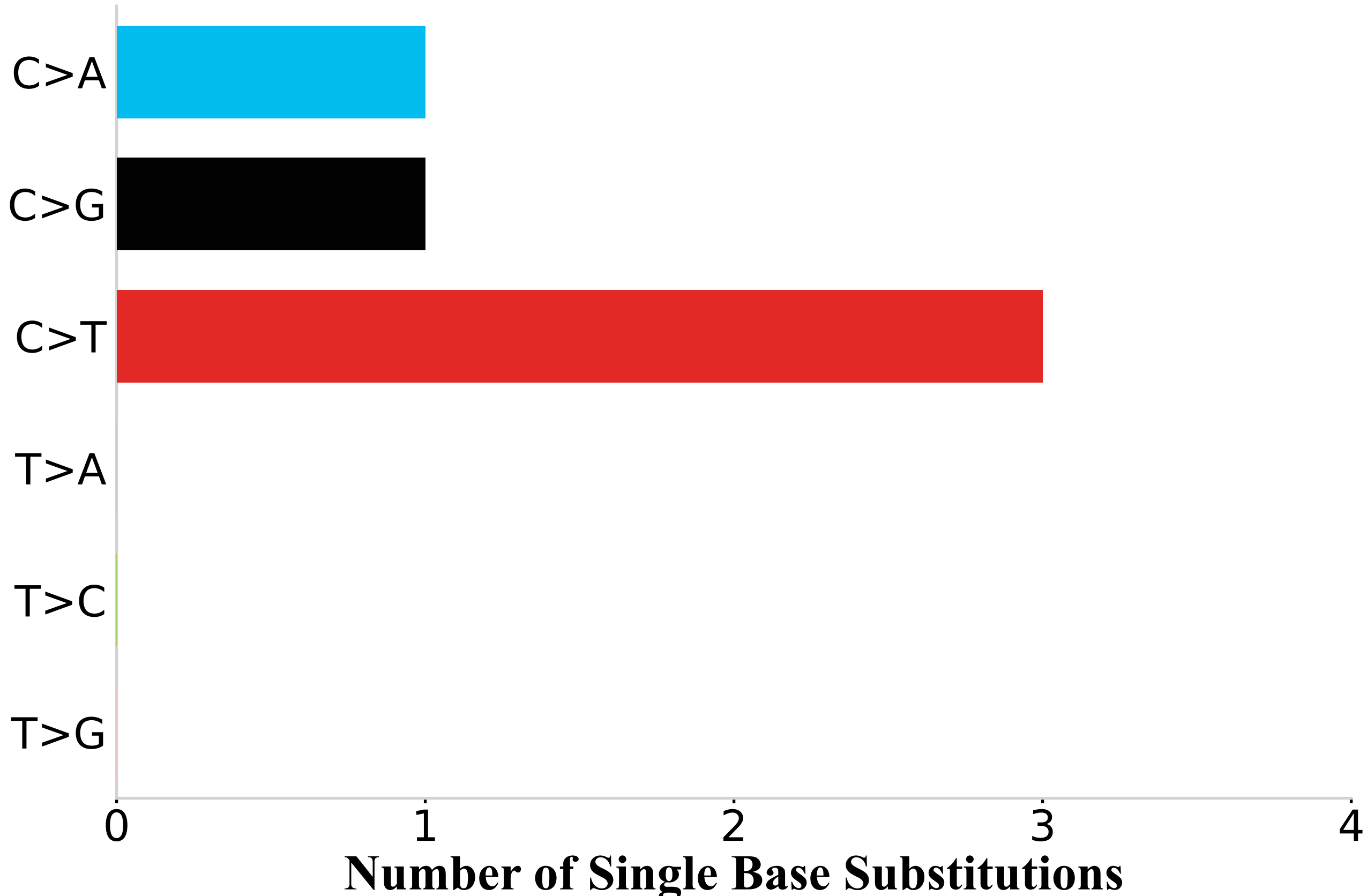
P-0035699-T01-IM6: 5 subs



P-0036014-T02-IM6: 4 subs



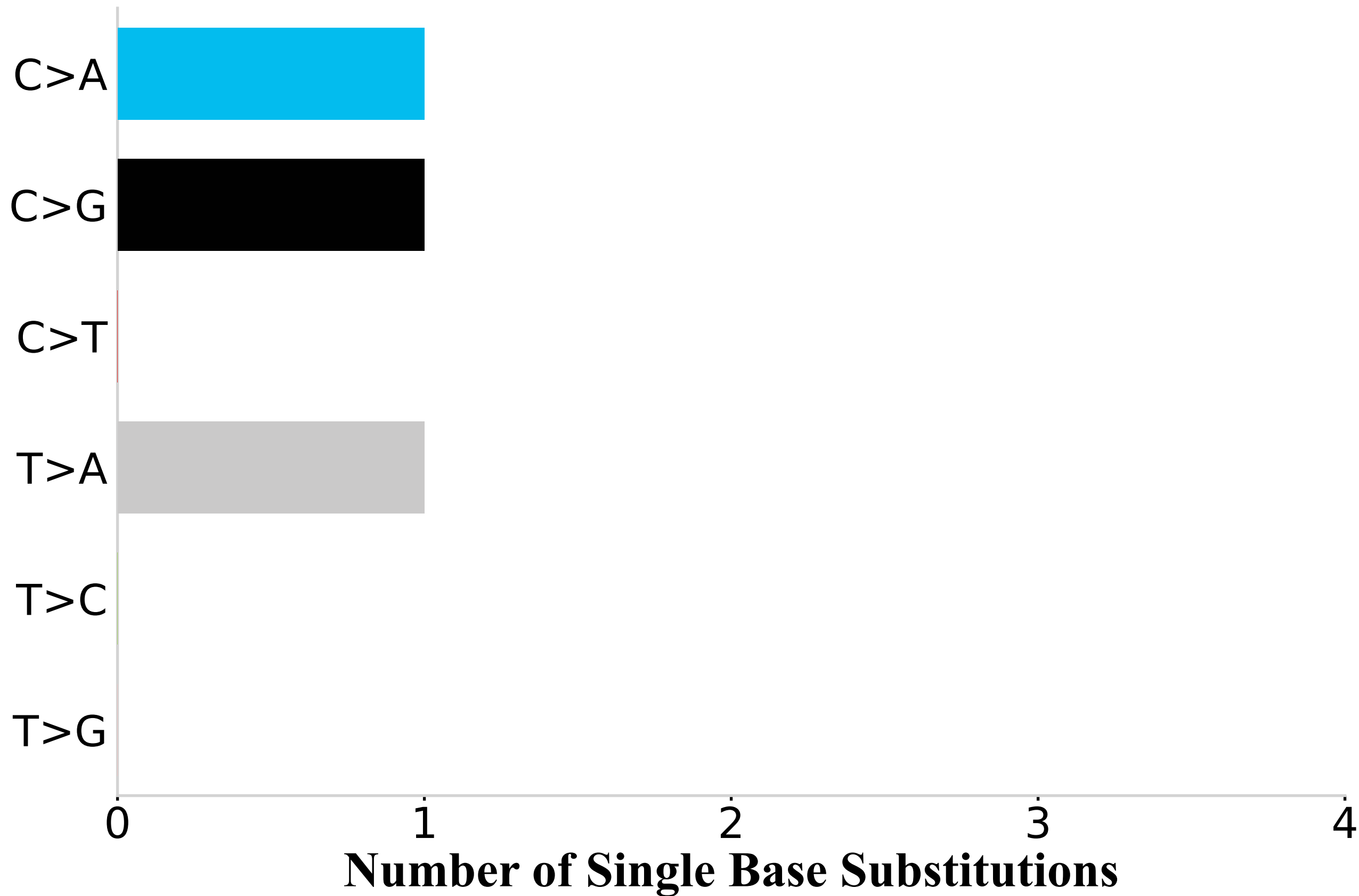
P-0036216-T01-IM6: 5 subs



P-0036238-T01-IM6: 2 subs



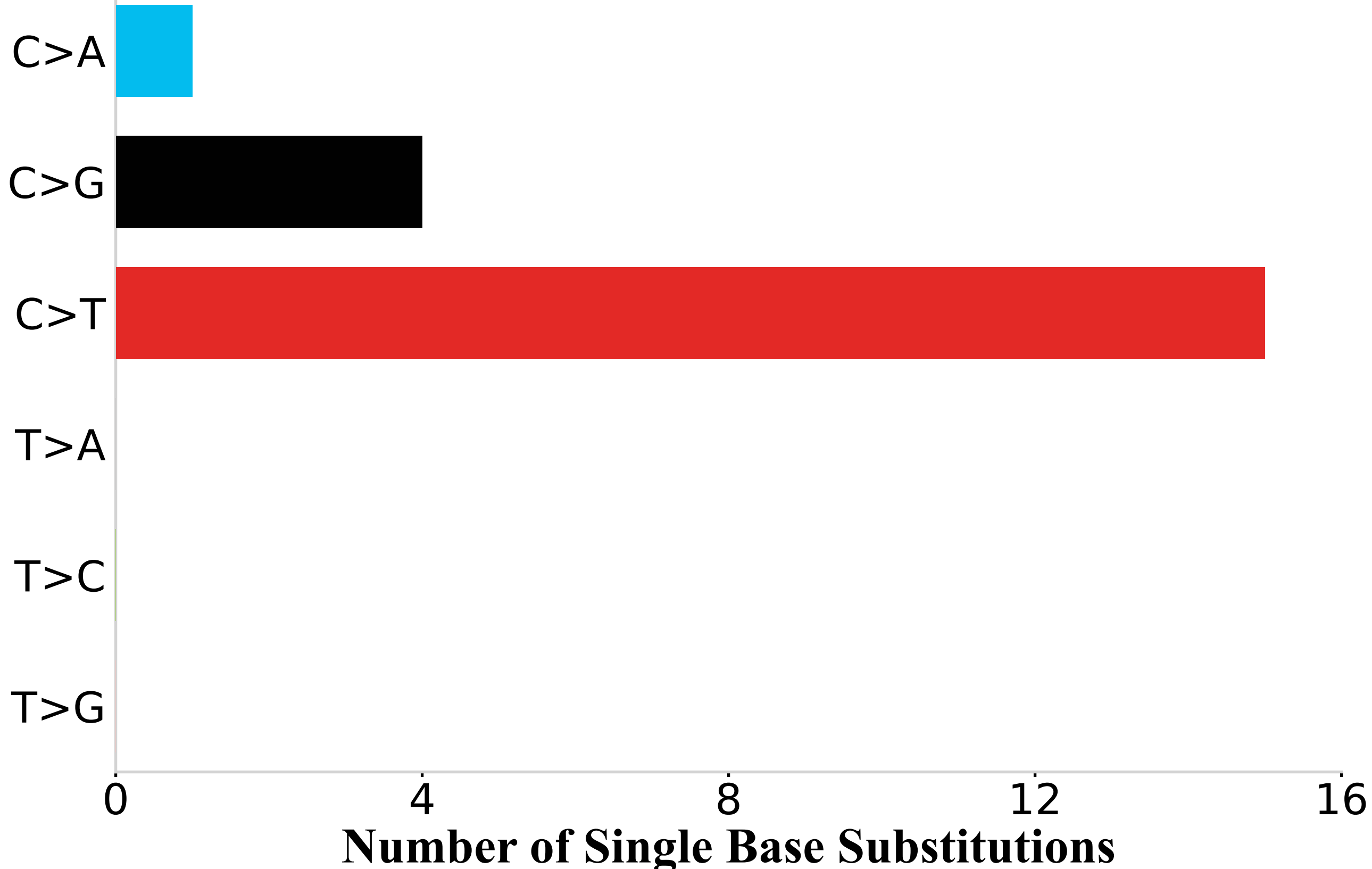
P-0036412-T01-IM6: 3 subs



P-0036486-T01-IM6: 2 subs



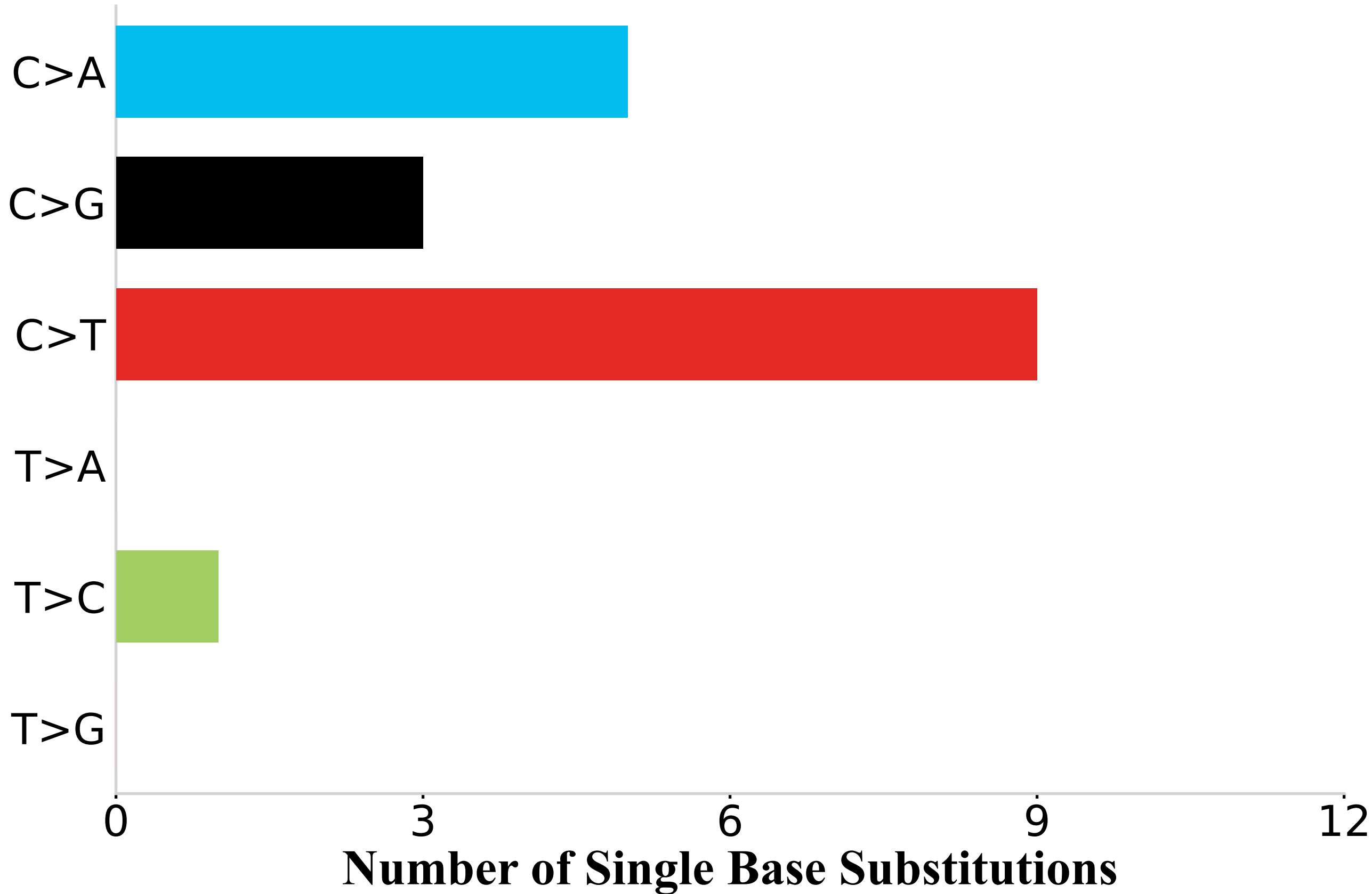
P-0036631-T01-IM6: 20 subs



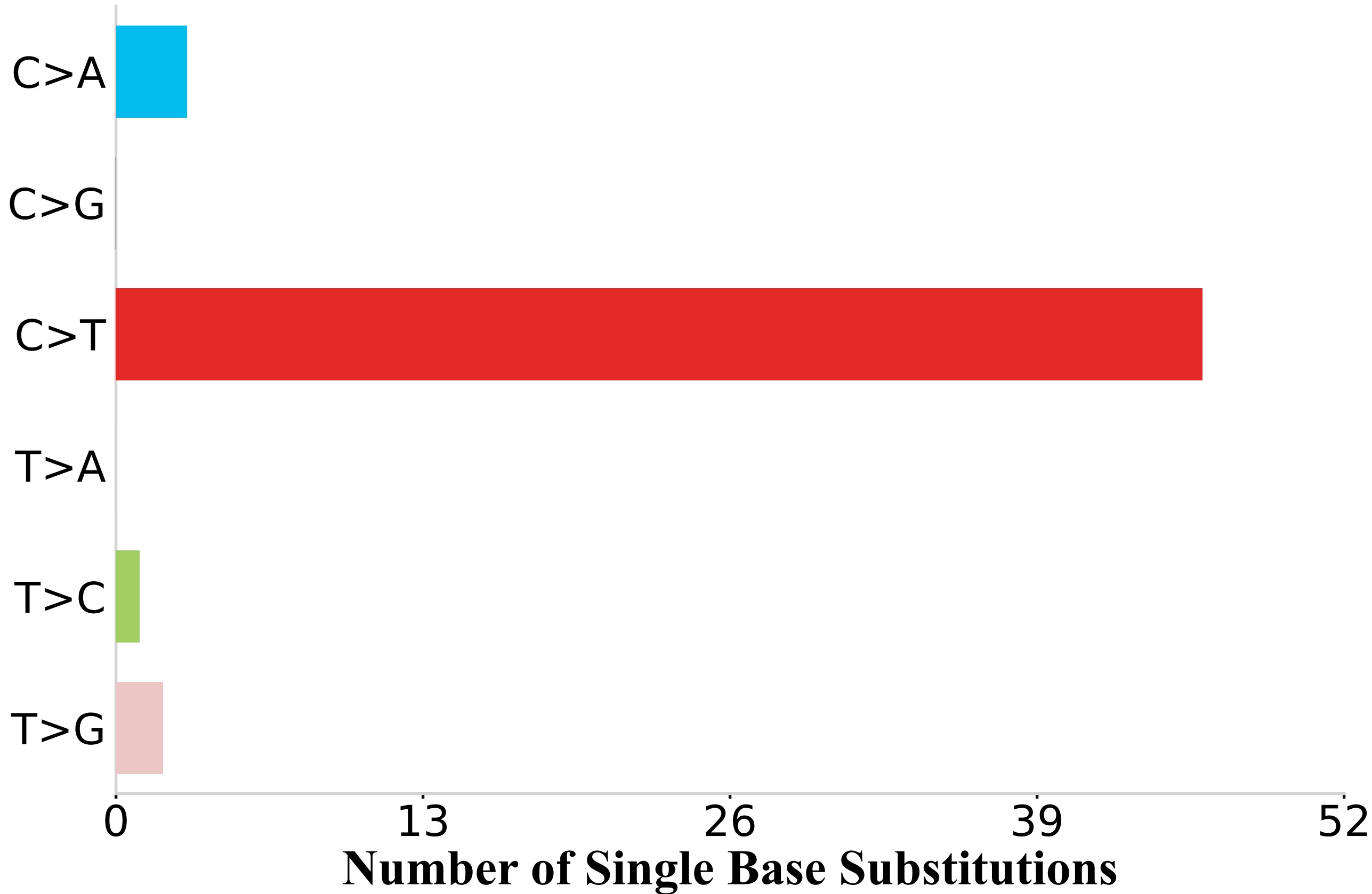
P-0036706-T01-IM6: 2 subs



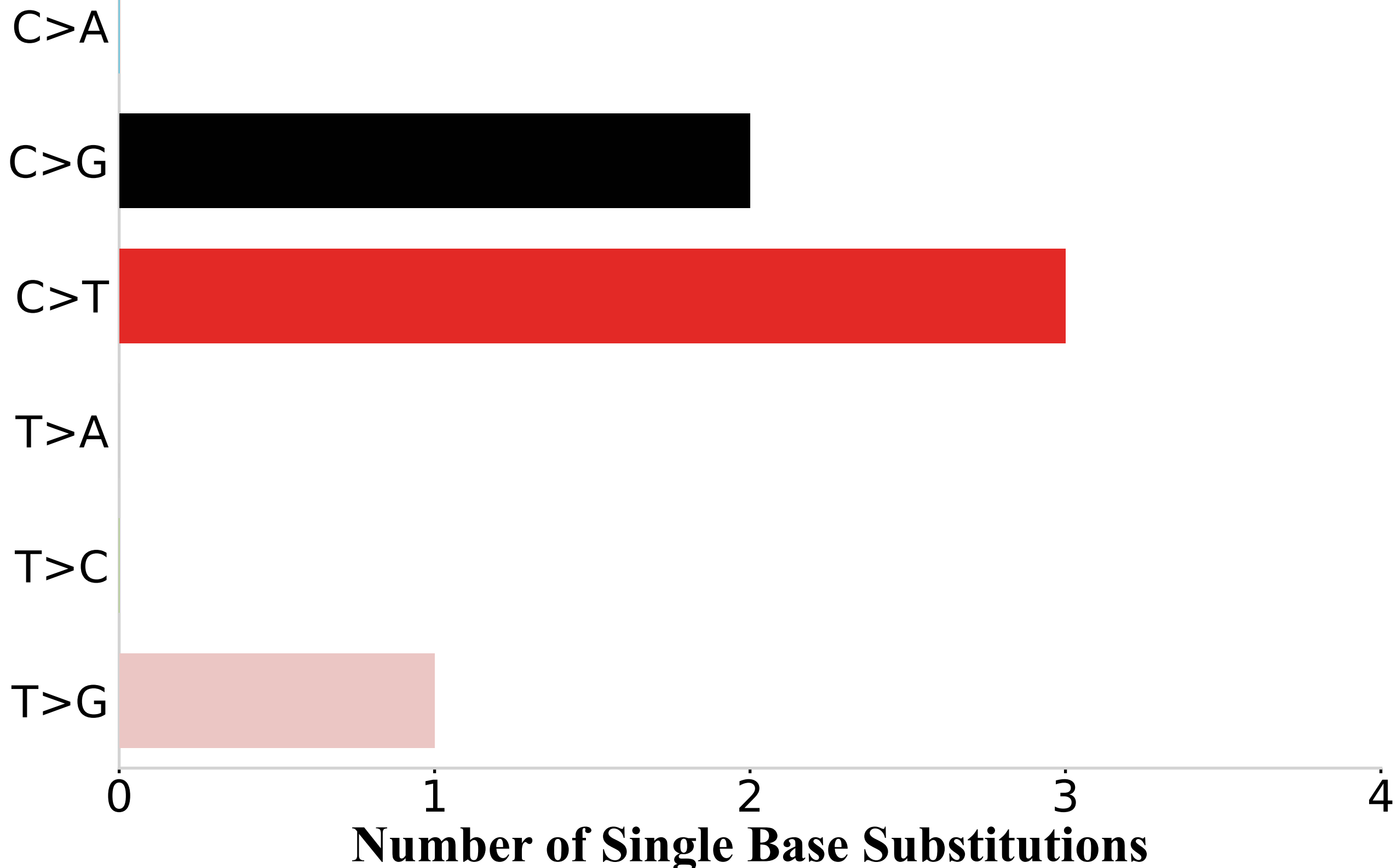
P-0036730-T01-IM6: 18 subs



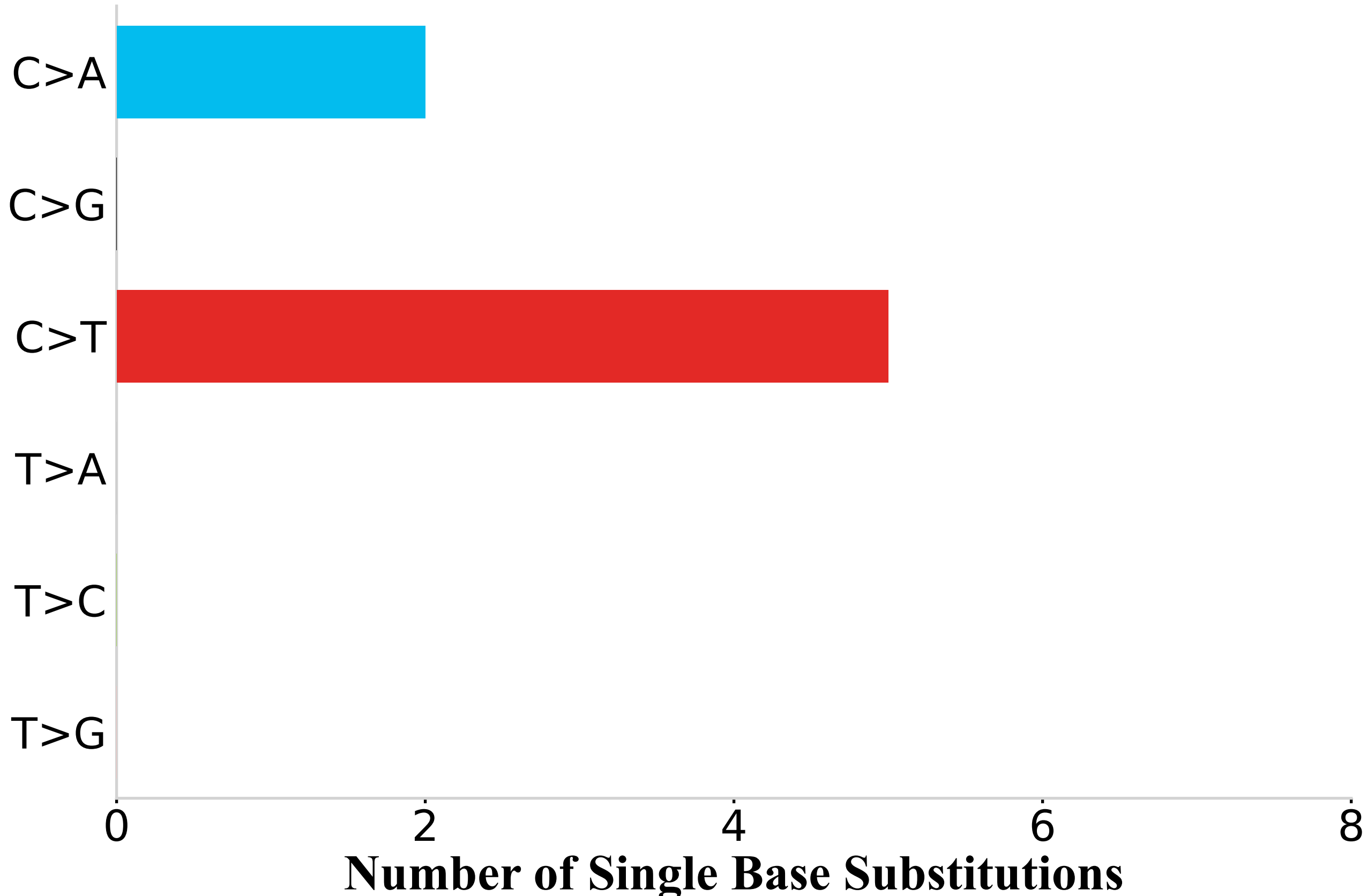
P-0037166-T01-IM6: 52 subs



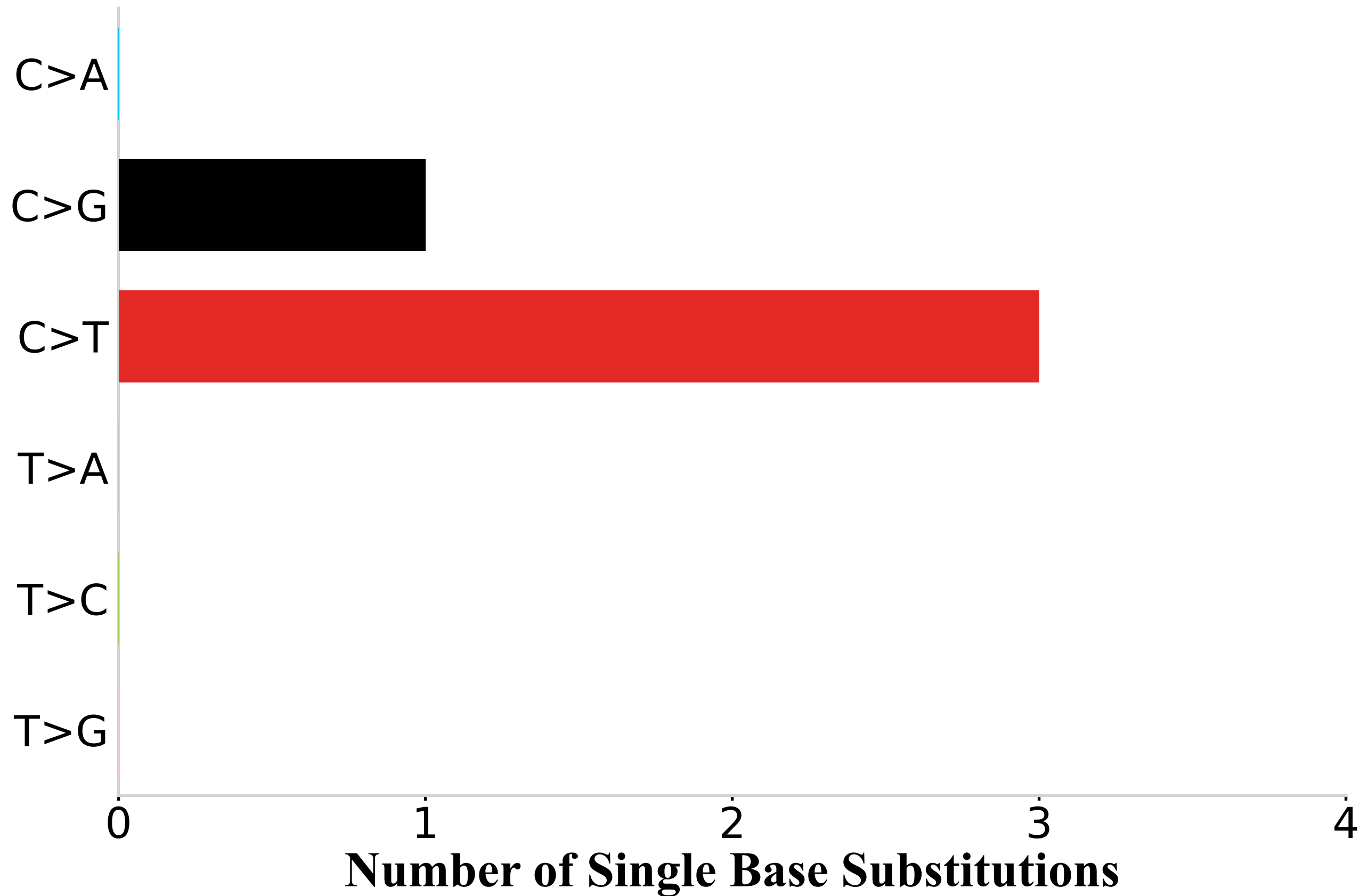
P-0037169-T01-IM6: 6 subs



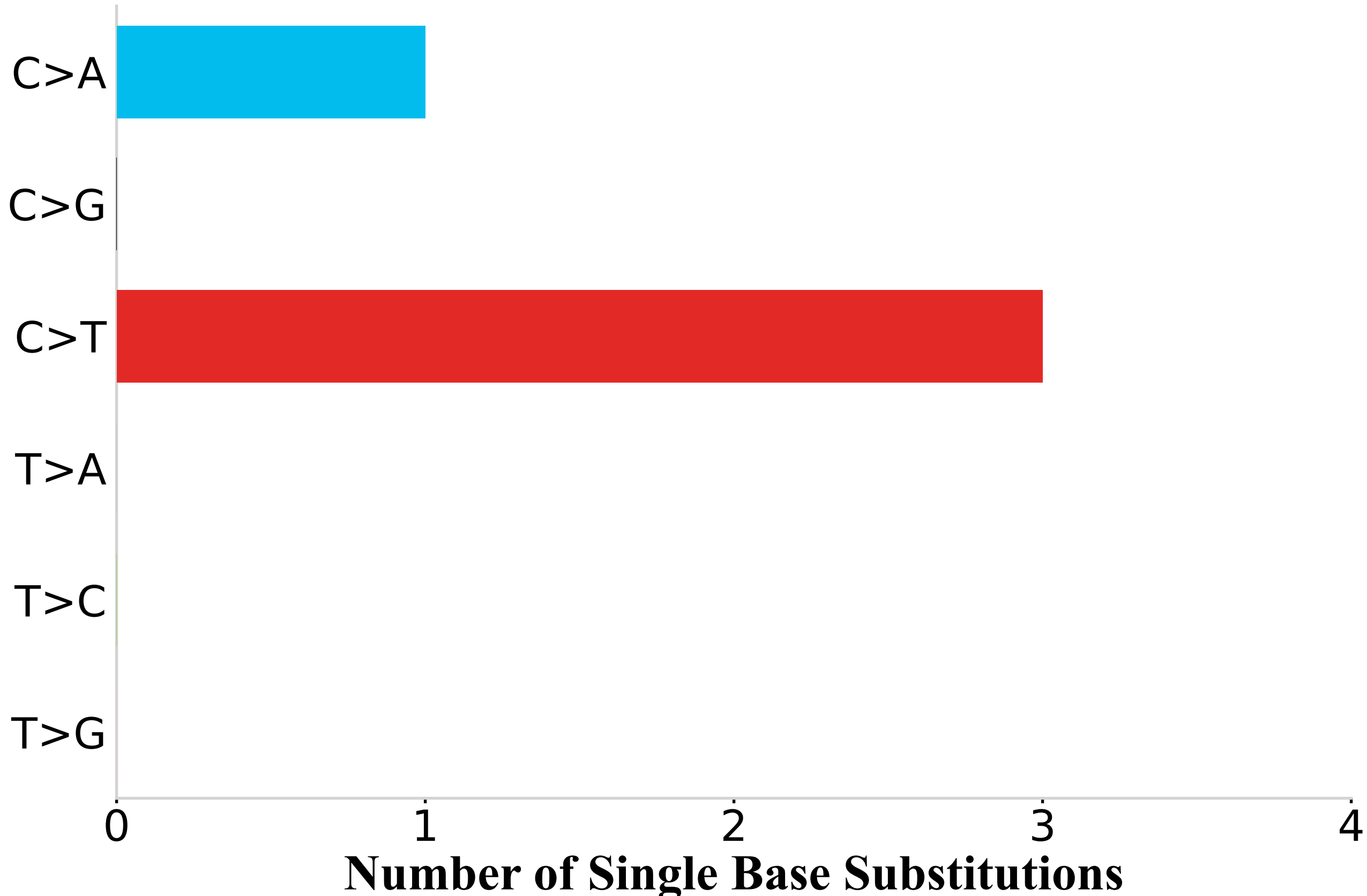
P-0037296-T01-IM6: 7 subs



P-0037420-T01-IM6: 4 subs



P-0037451-T01-IM6: 4 subs



P-0037456-T01-IM6: 4 subs

C>A

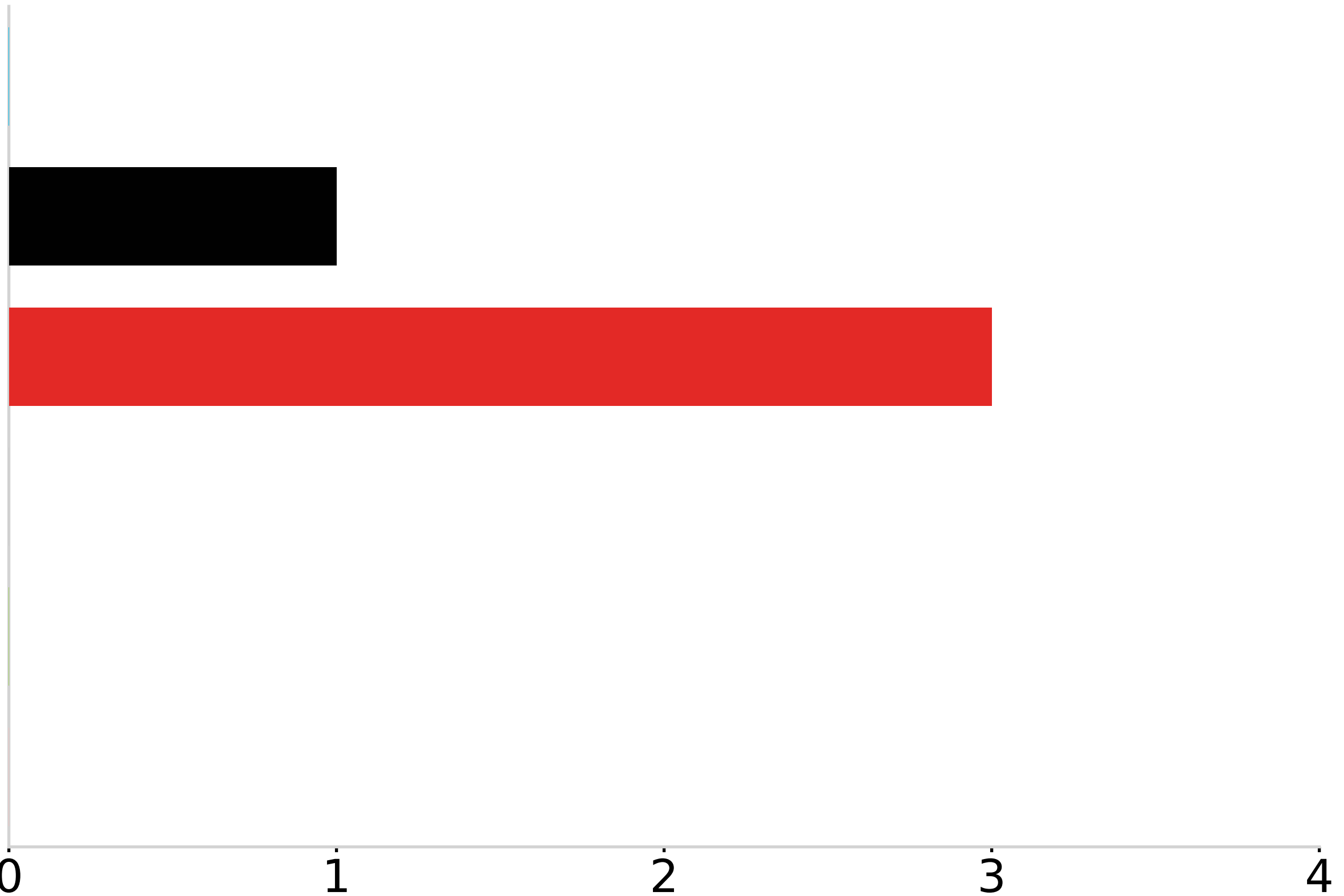
C>G

C>T

T>A

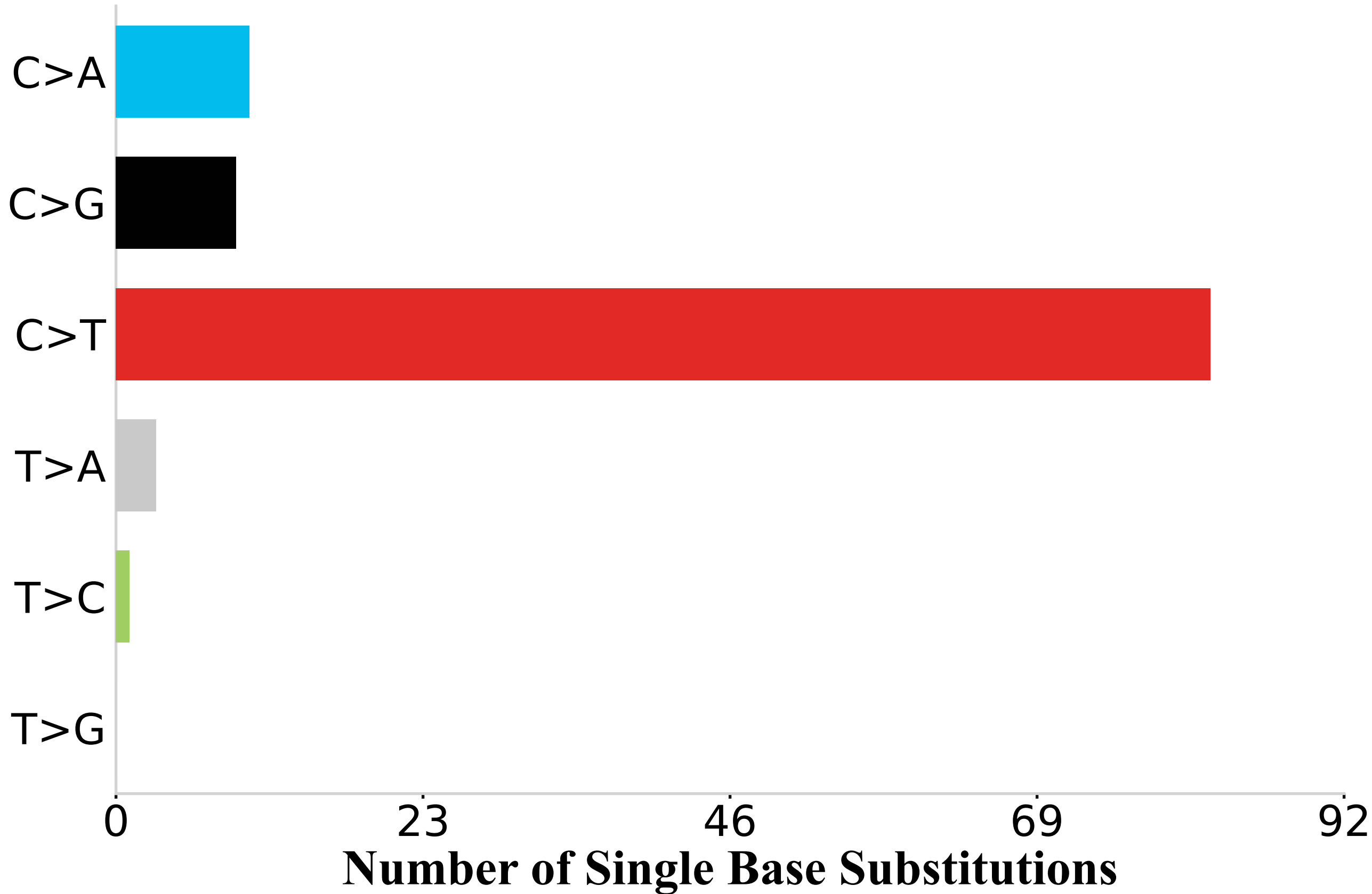
T>C

T>G

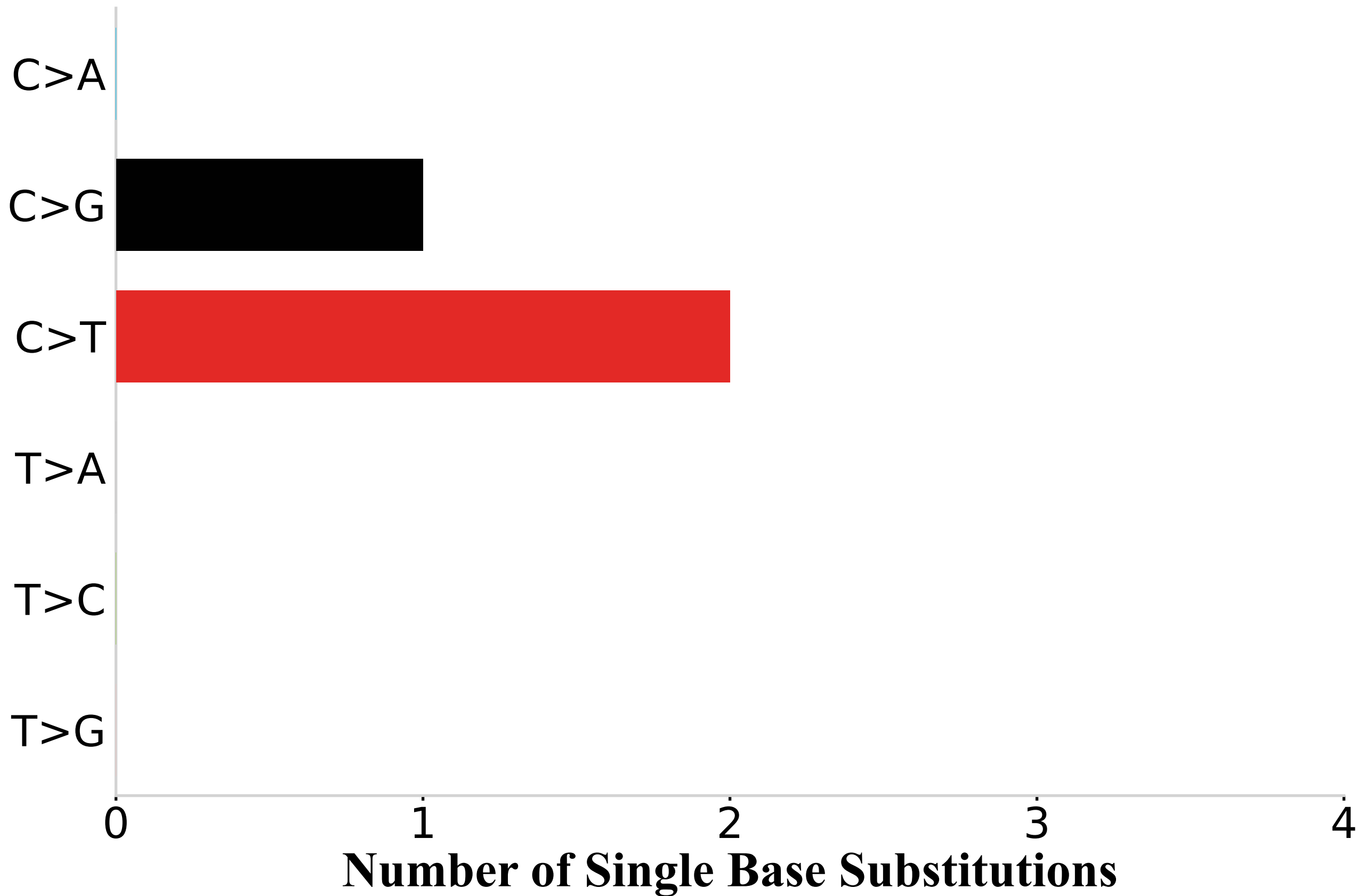


Number of Single Base Substitutions

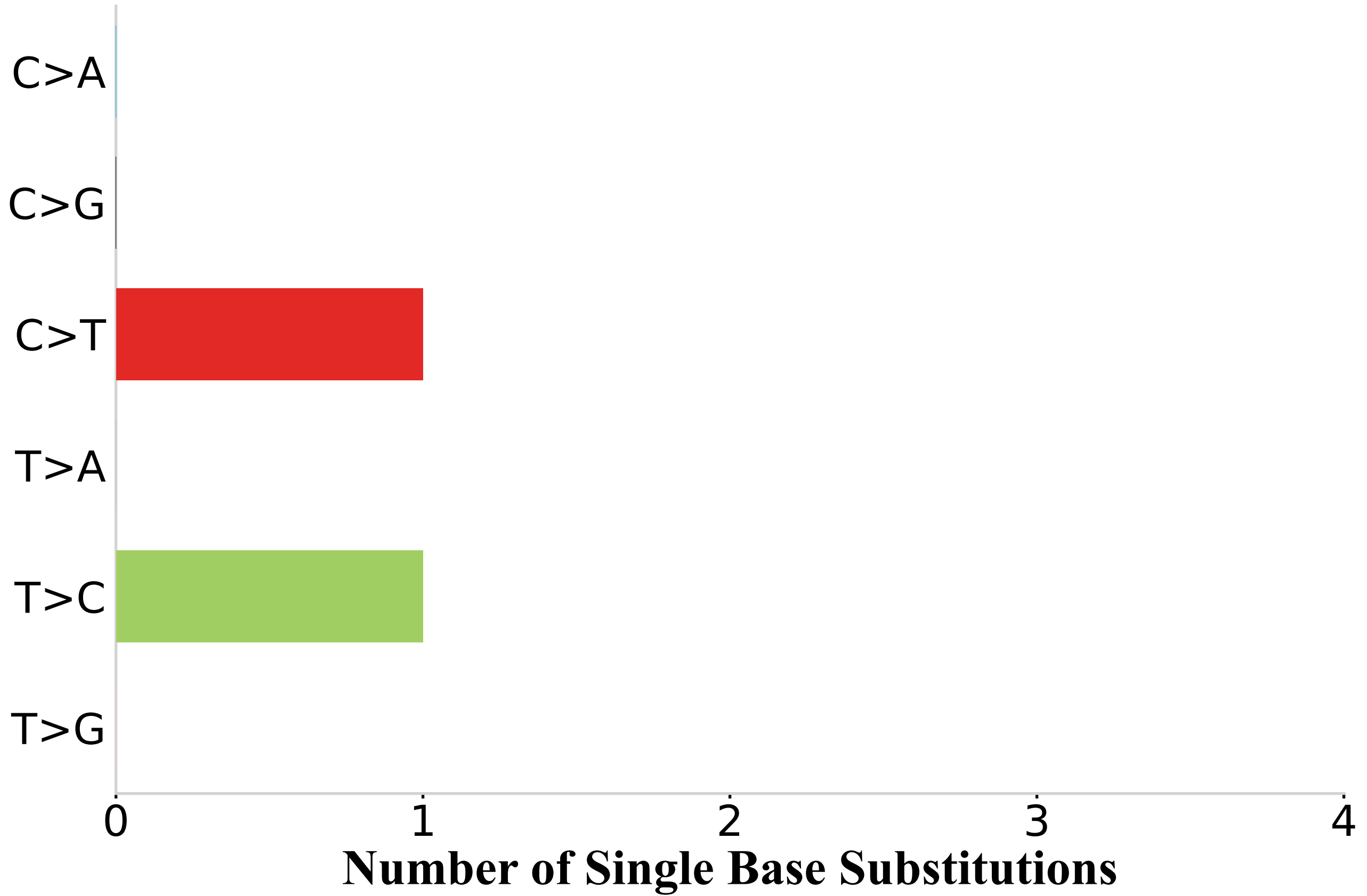
P-0037515-T01-IM6: 105 subs



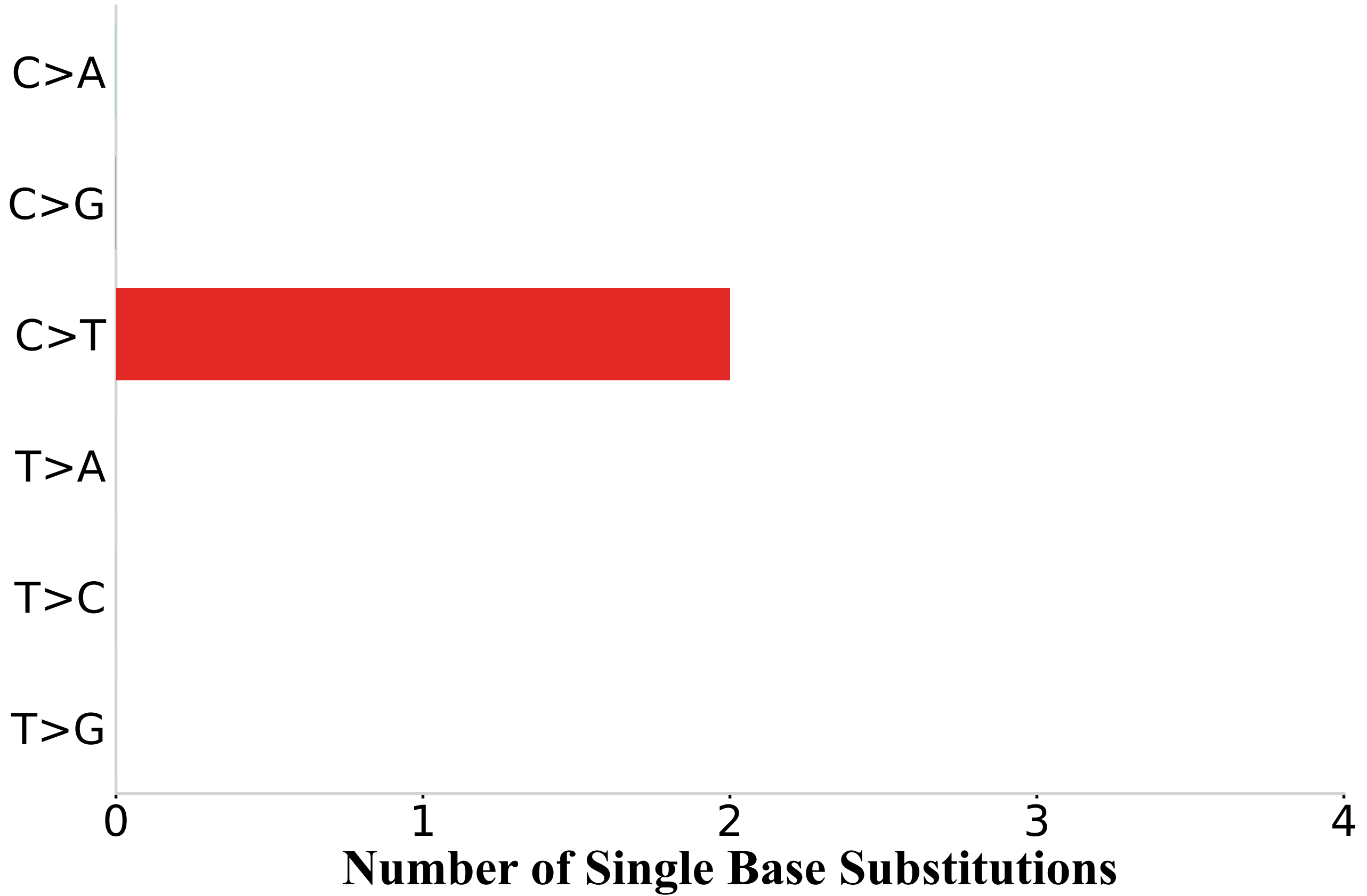
P-0037549-T01-IM6: 3 subs



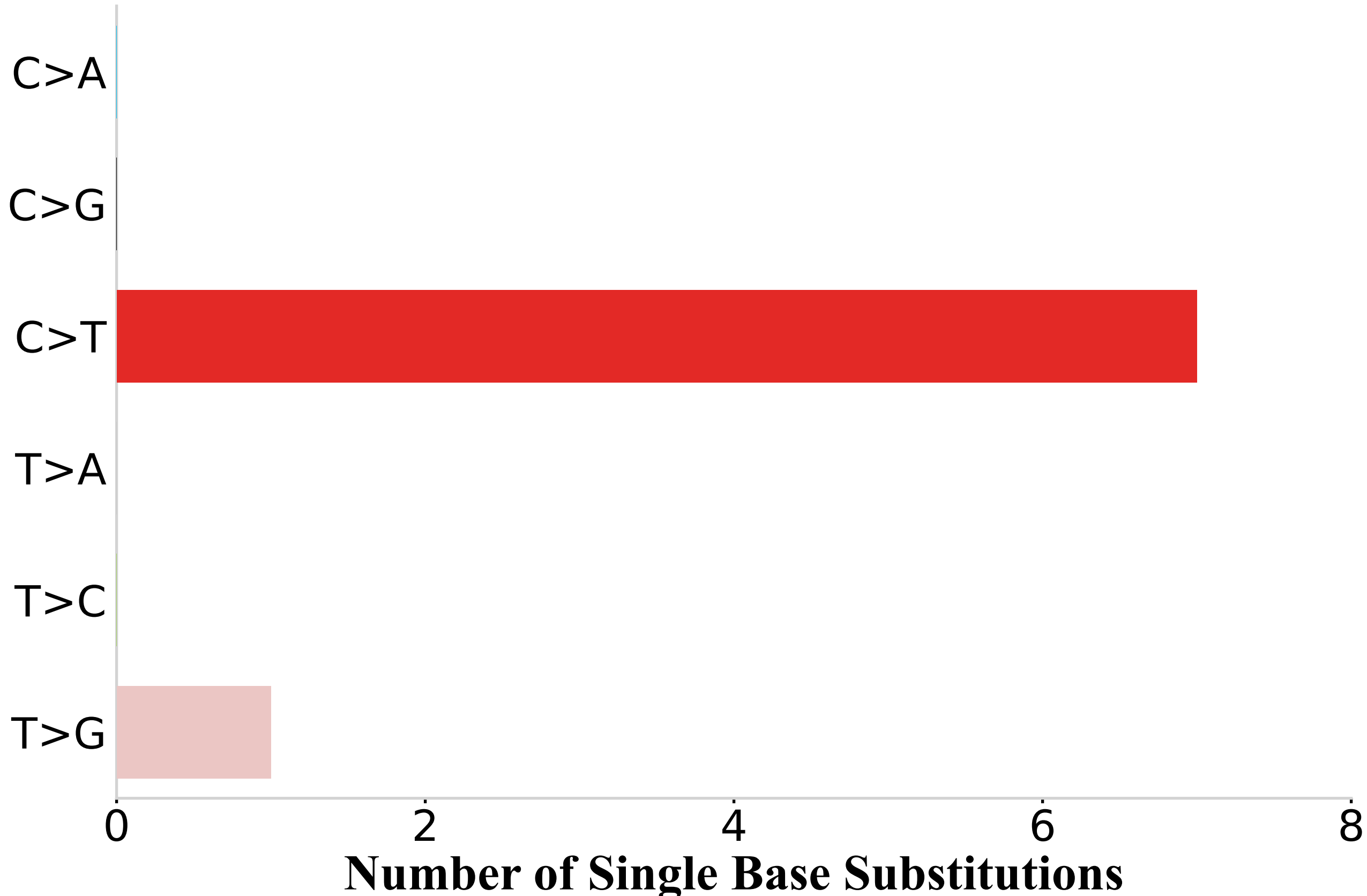
P-0037639-T01-IM6: 2 subs



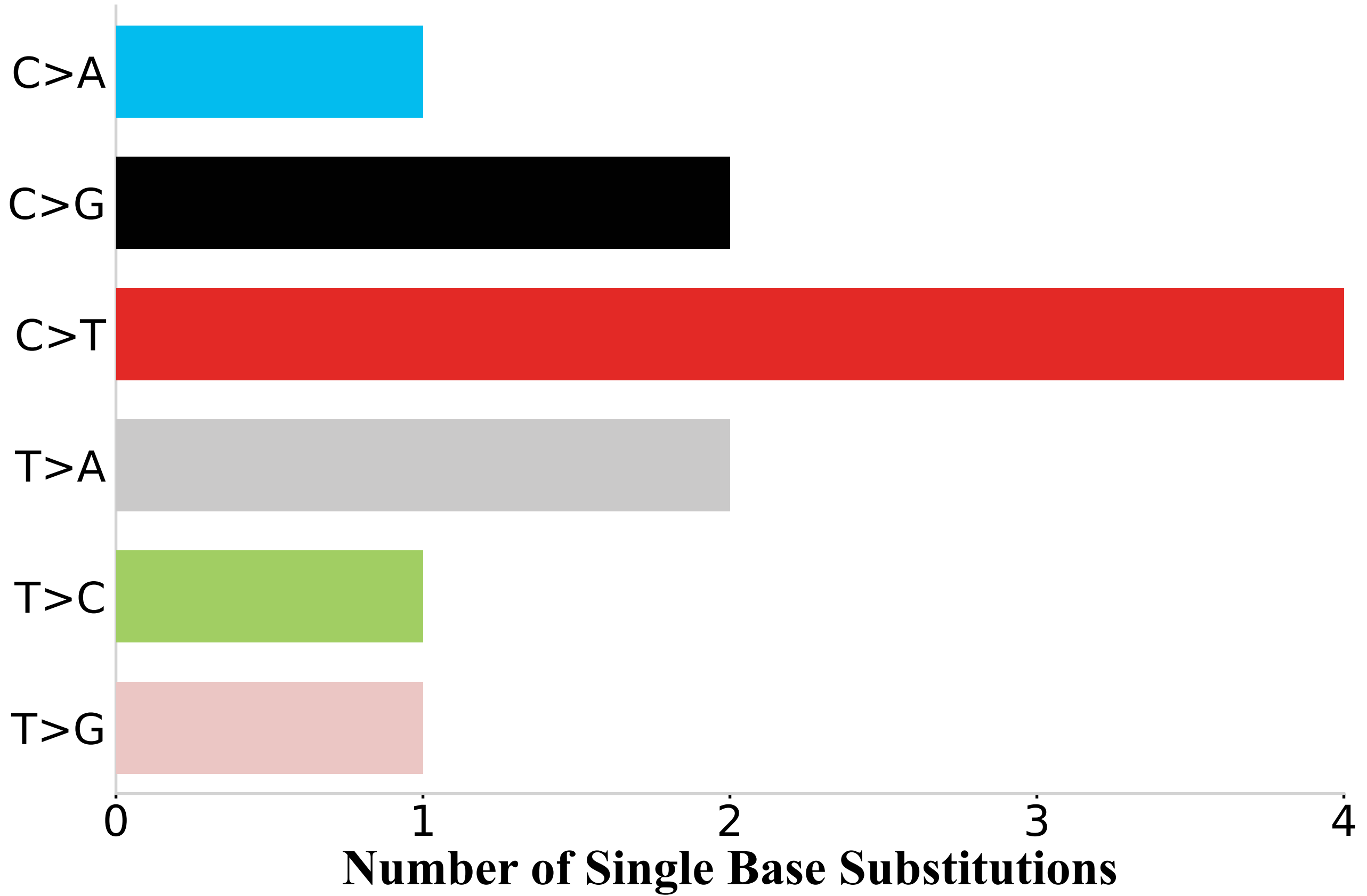
P-0037808-T01-IM6: 2 subs



P-0038264-T01-IM6: 8 subs



P-0038376-T01-IM6: 11 subs



P-0038381-T01-IM6: 2 subs

C>A

C>G

C>T

T>A

T>C

T>G

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1

2

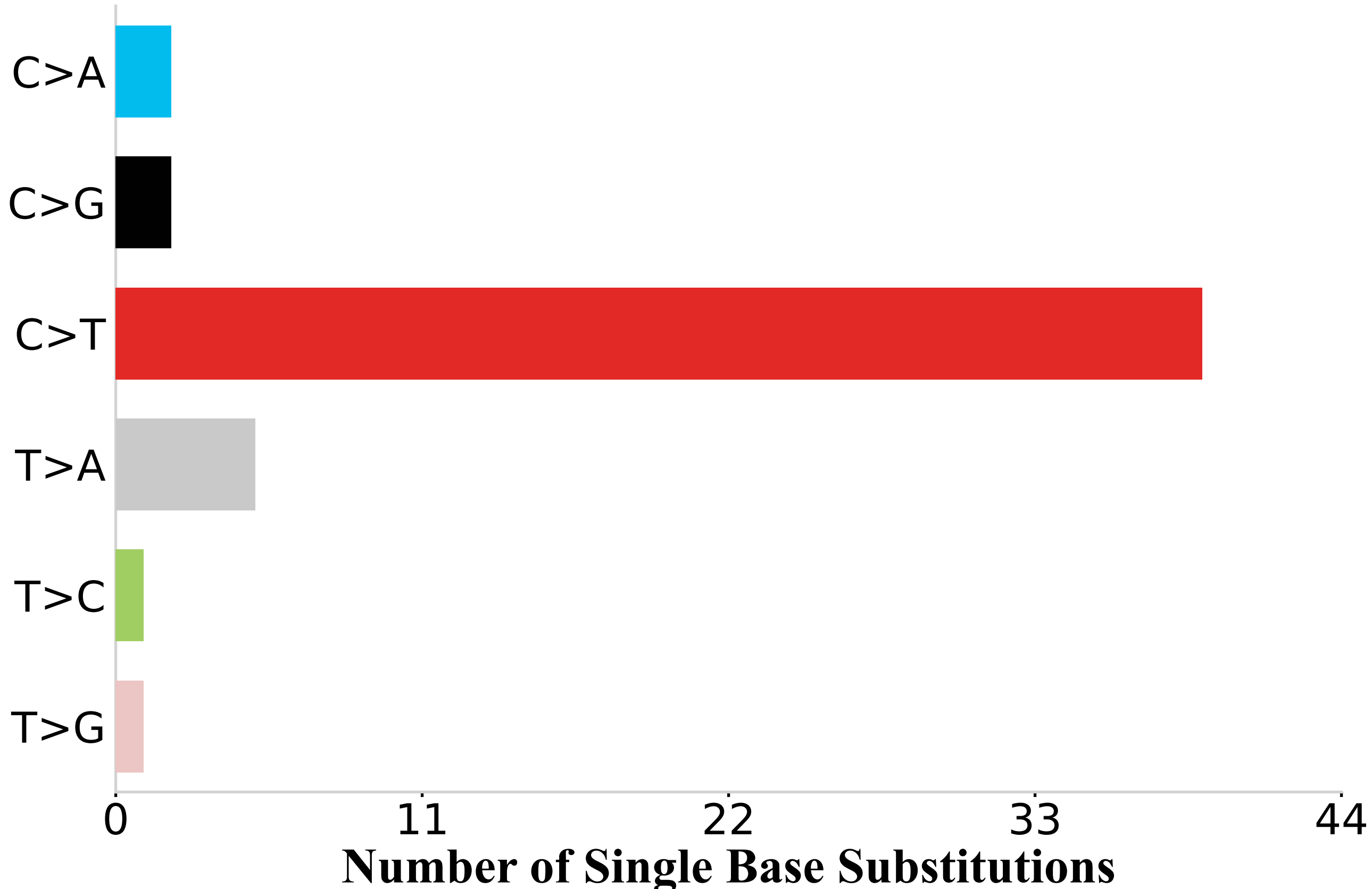
3

4

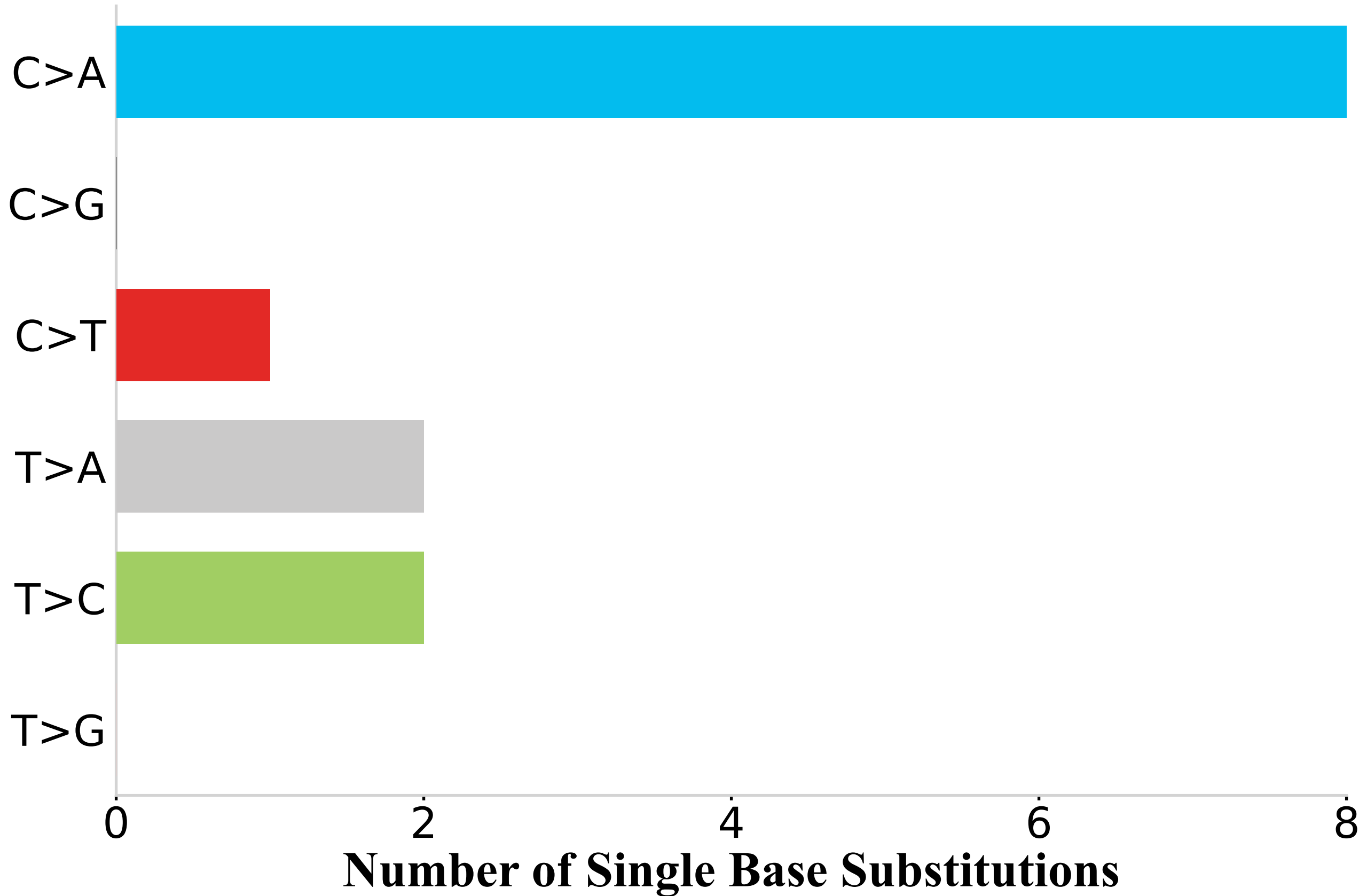
Number of Single Base Substitutions



P-0038413-T01-IM6: 50 subs



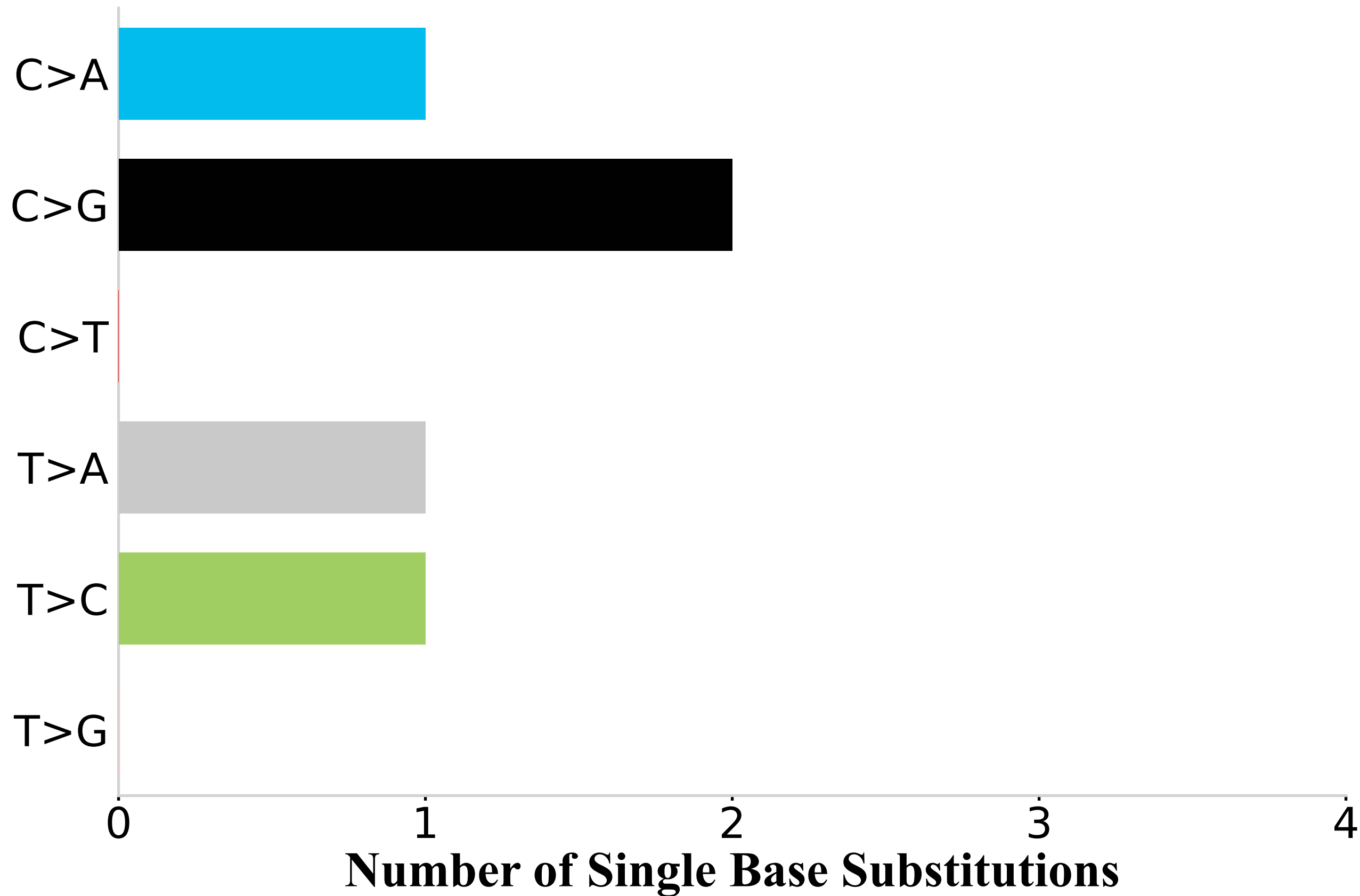
P-0038466-T01-IM6: 13 subs



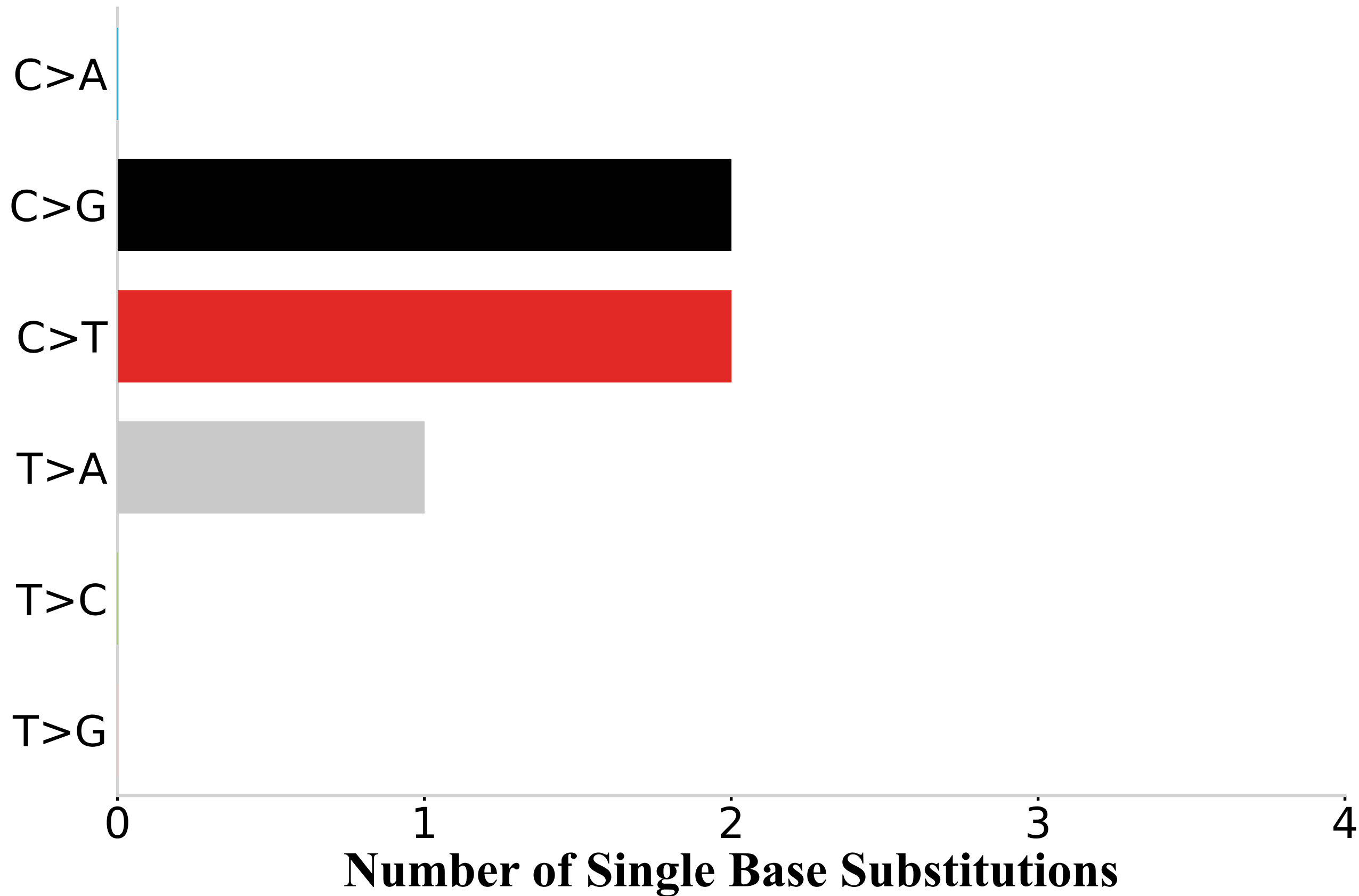
P-0038515-T01-IM6: 1 subs



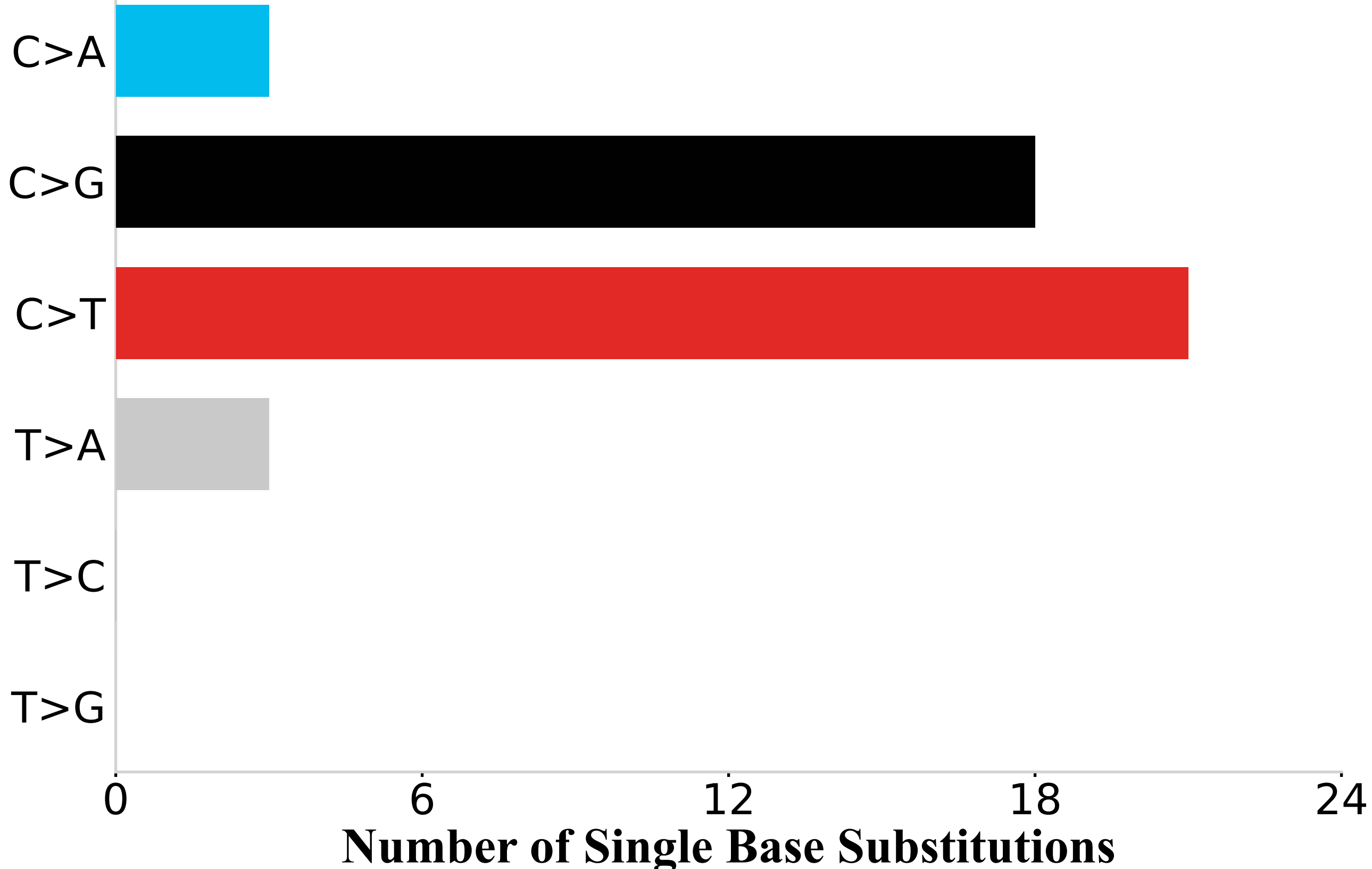
P-0038632-T01-IM6: 5 subs



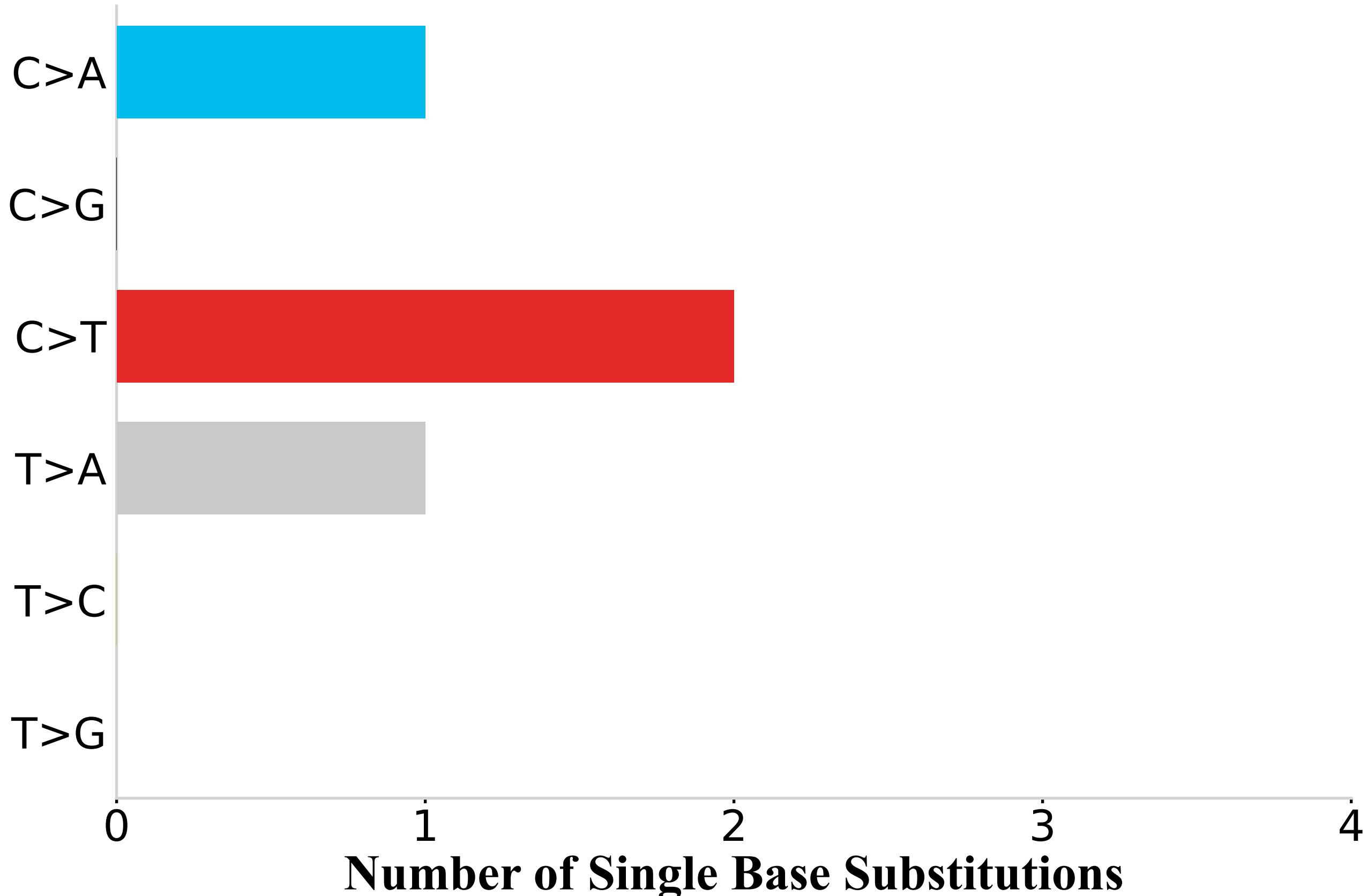
P-0038956-T01-IM6: 5 subs



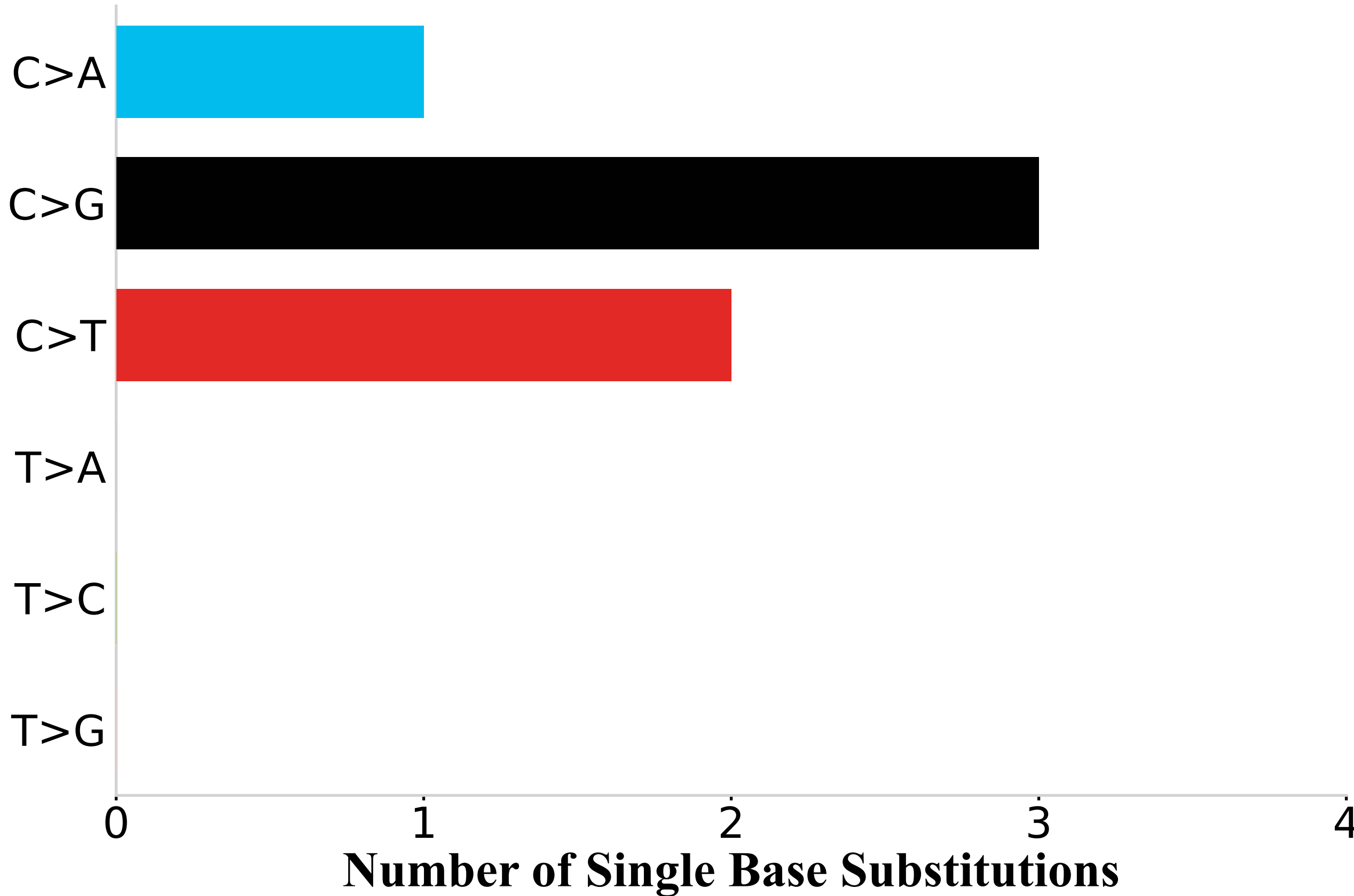
P-0038994-T01-IM6: 45 subs



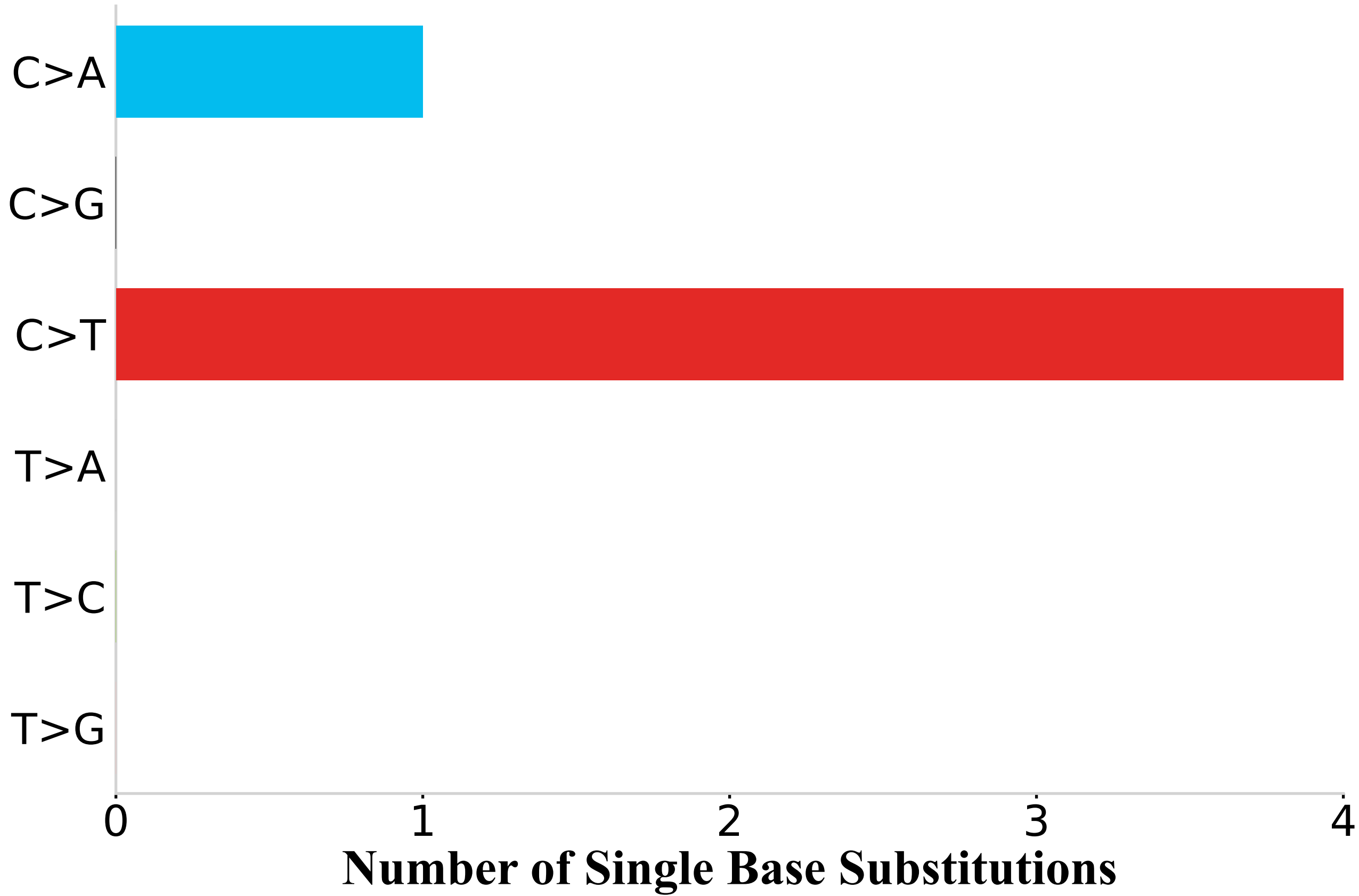
P-0039089-T02-IM6: 4 subs



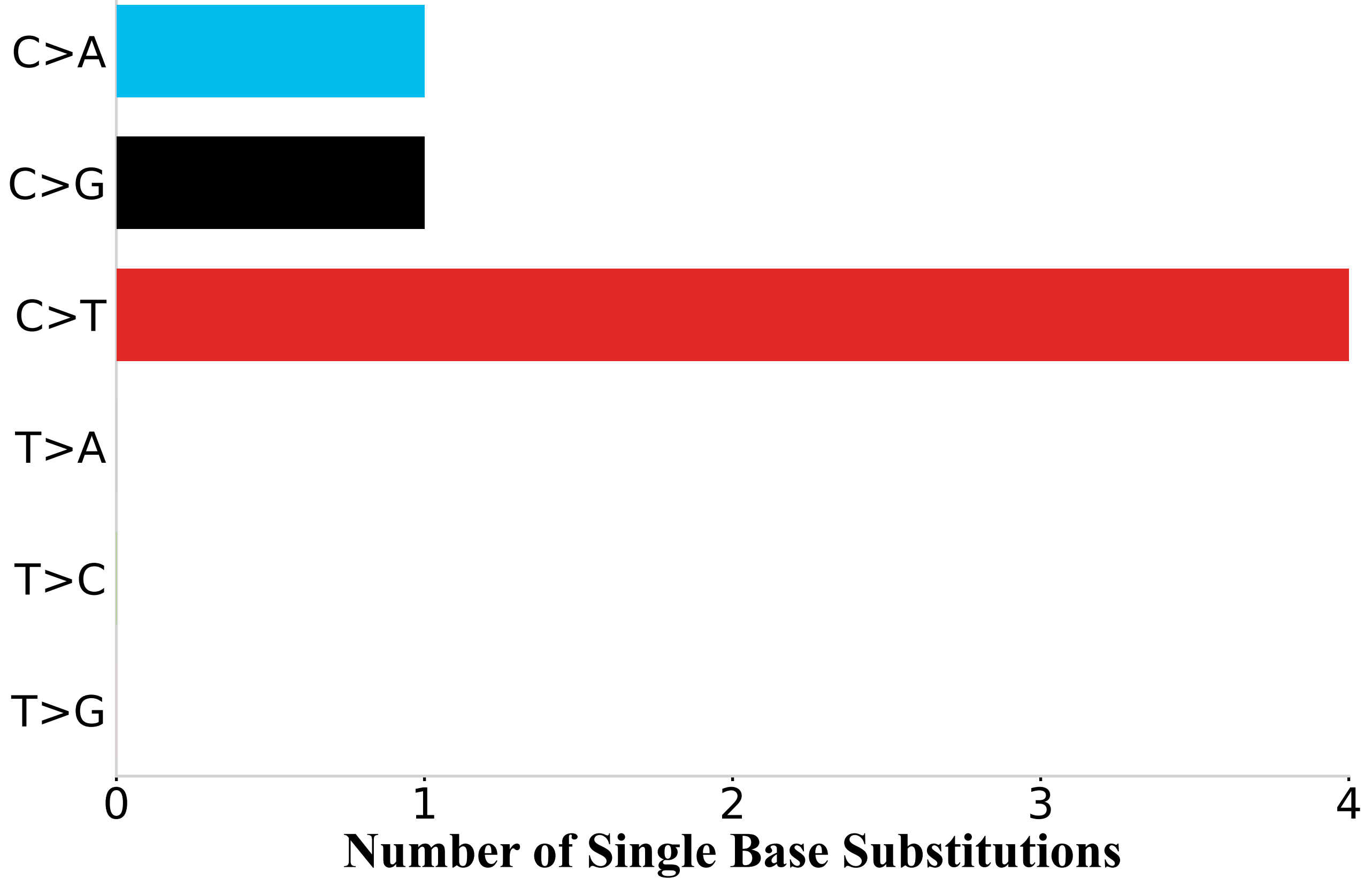
P-0039403-T01-IM6: 6 subs



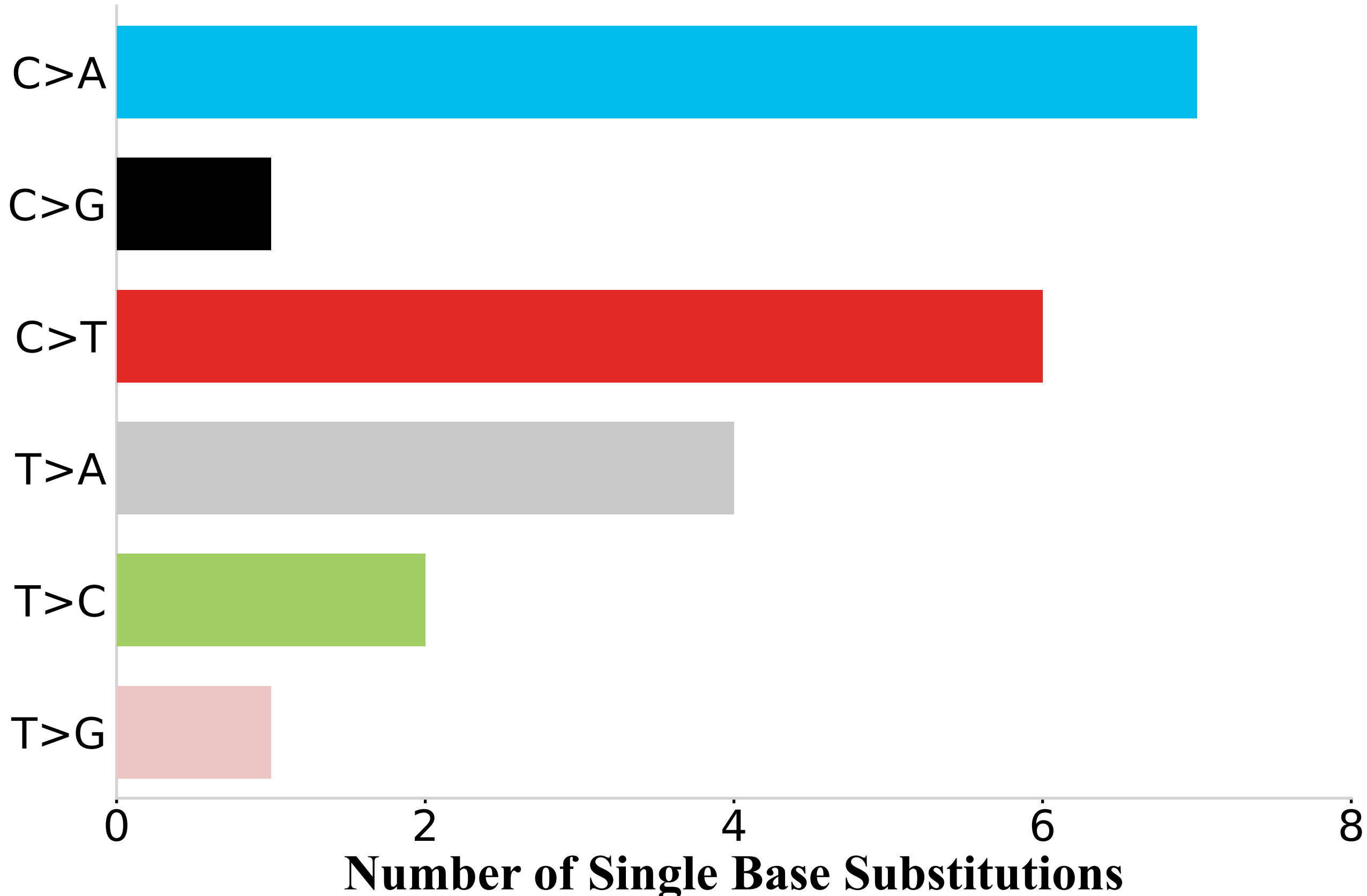
P-0039636-T01-IM6: 5 subs



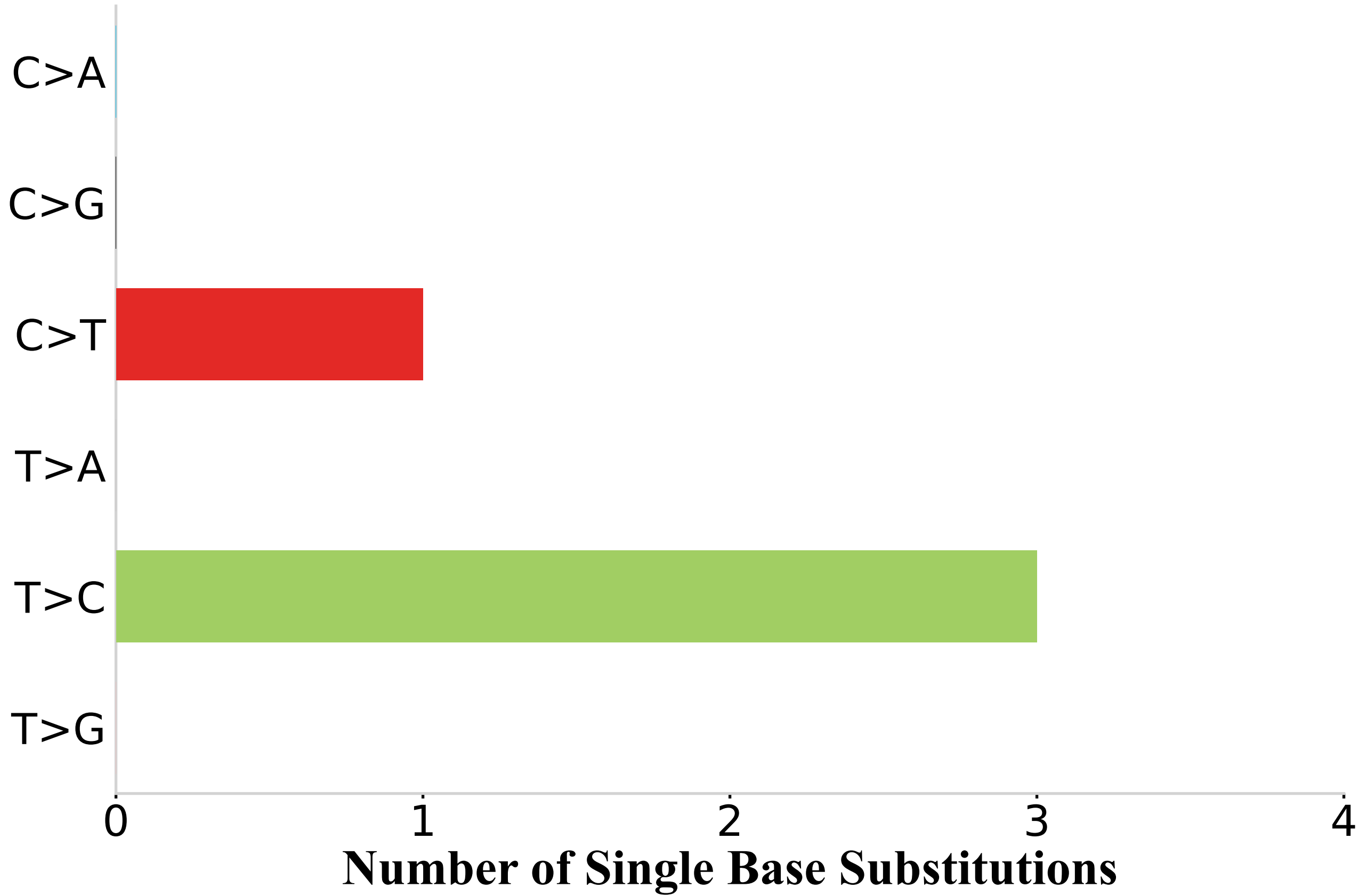
P-0039700-T01-IM6: 6 subs



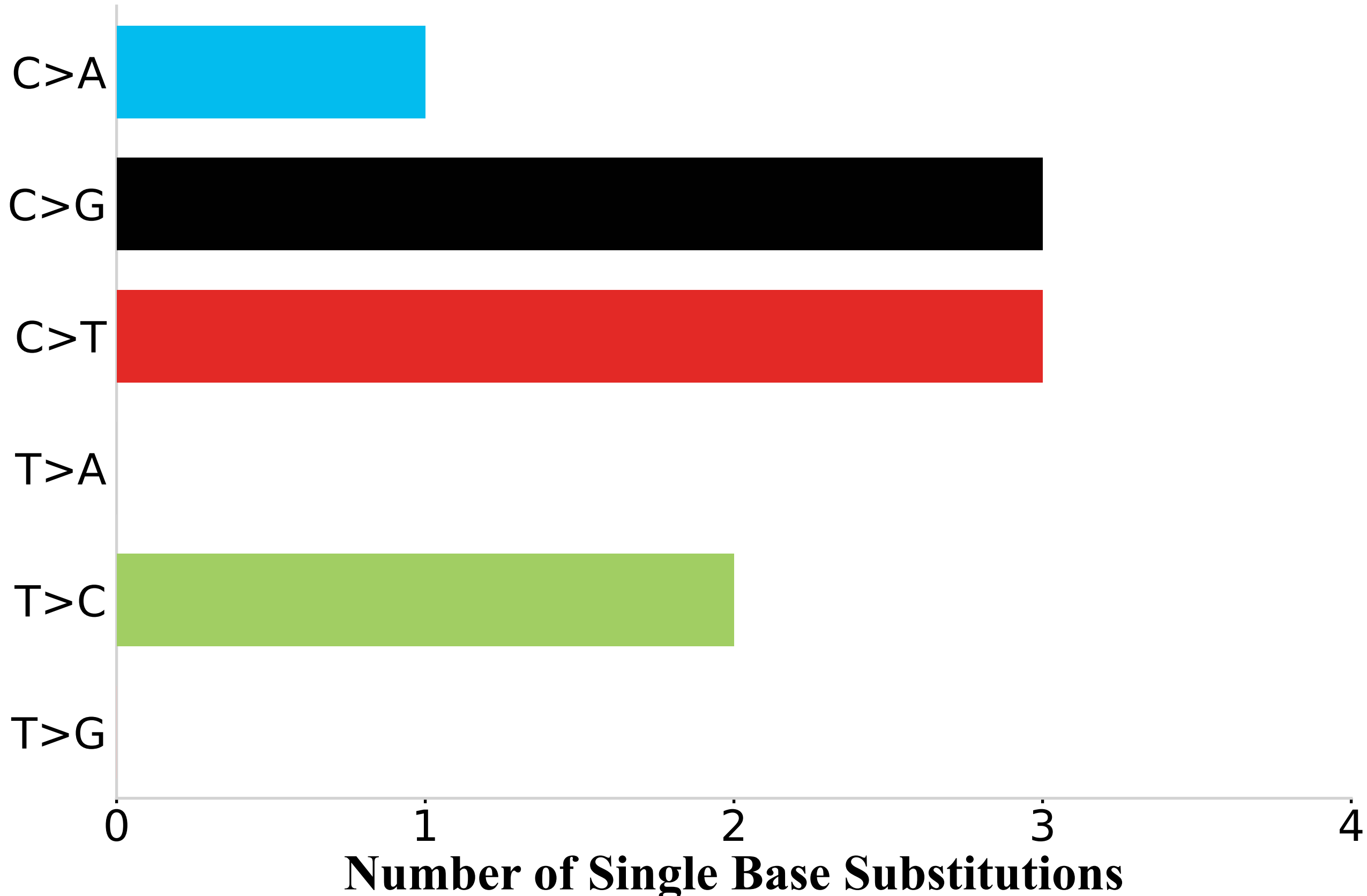
P-0039890-T01-IM6: 21 subs



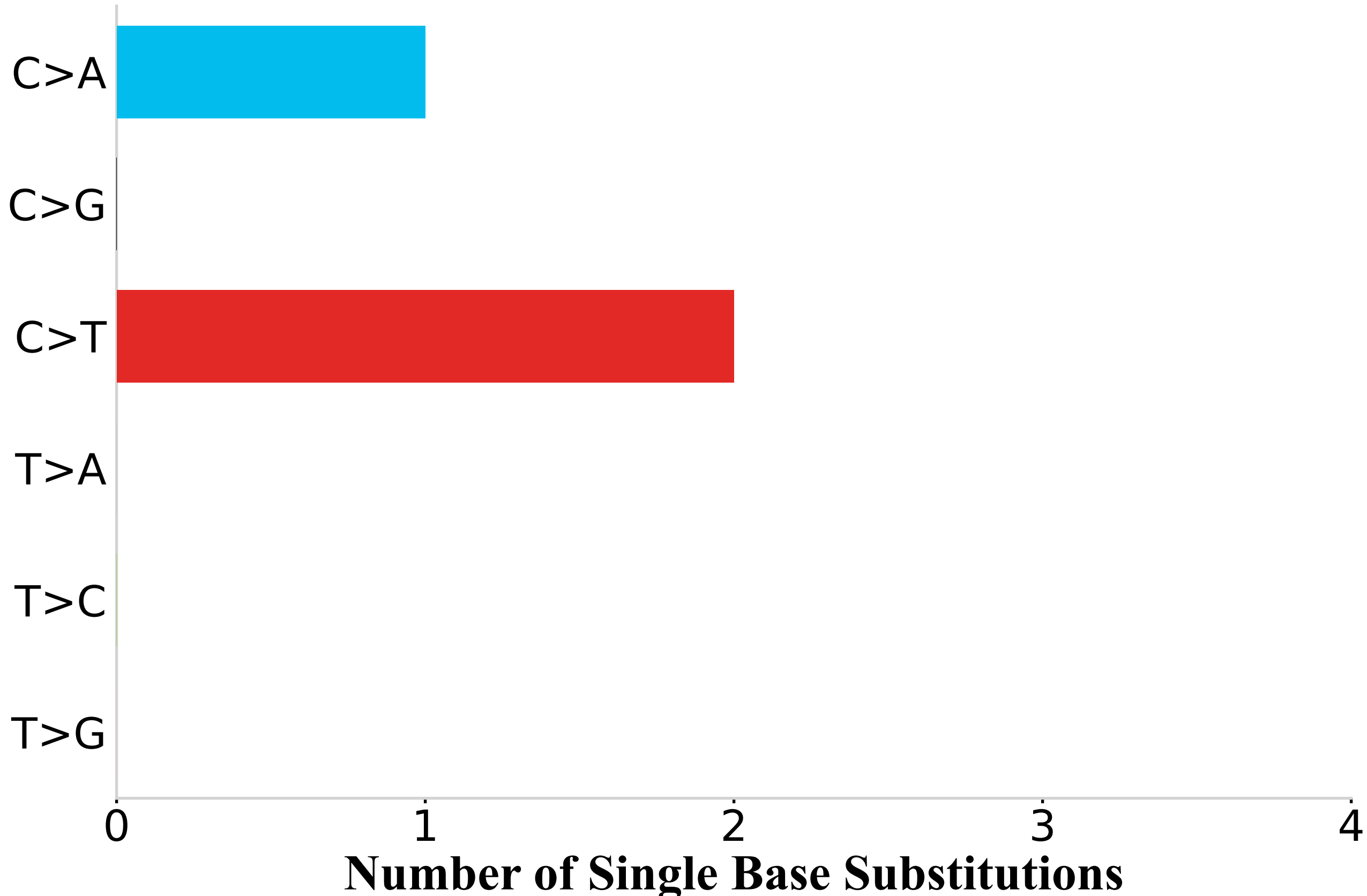
P-0040223-T01-IM6: 4 subs



P-0040443-T02-IM6: 9 subs



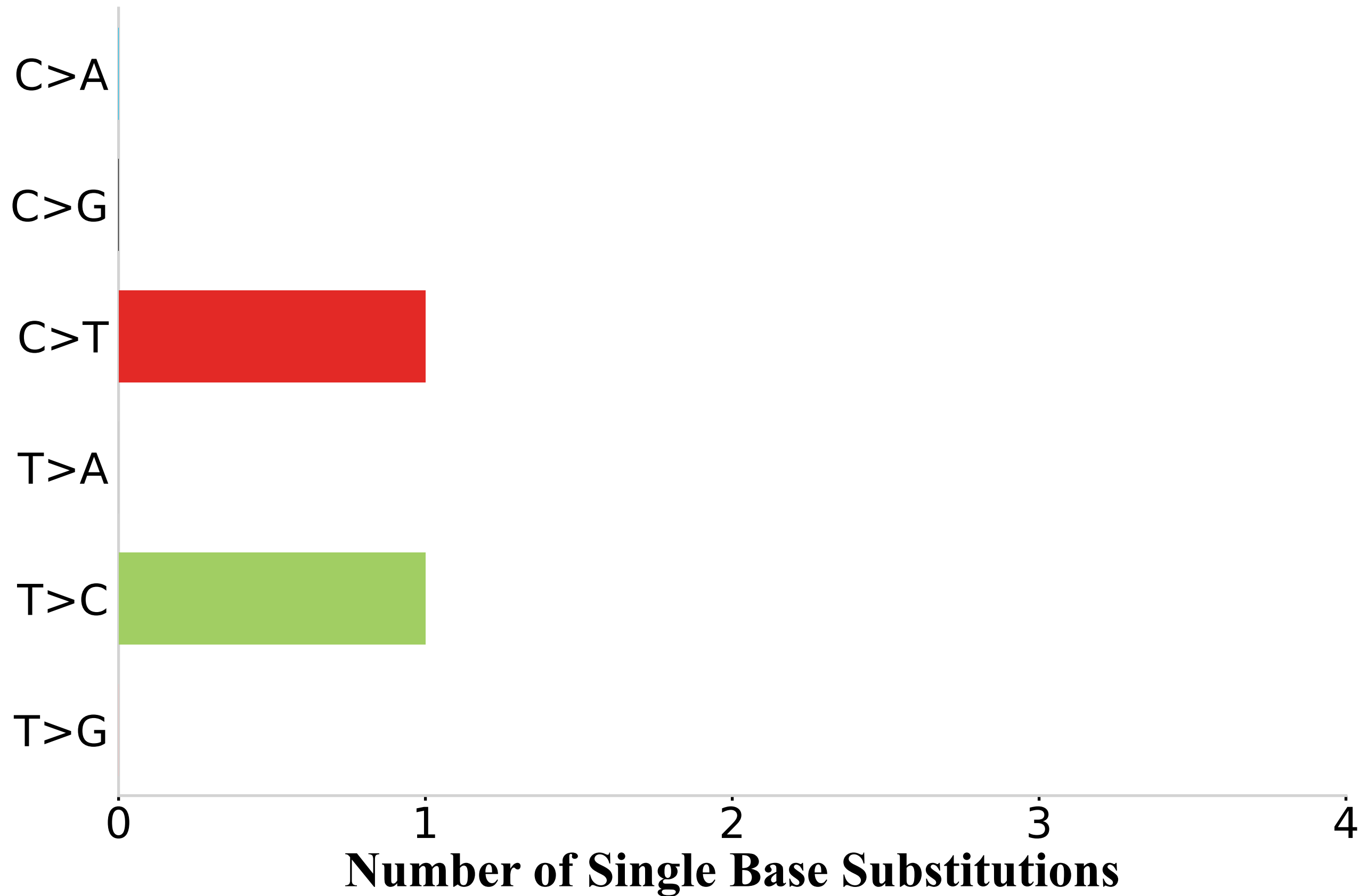
P-0040571-T01-IM6: 3 subs



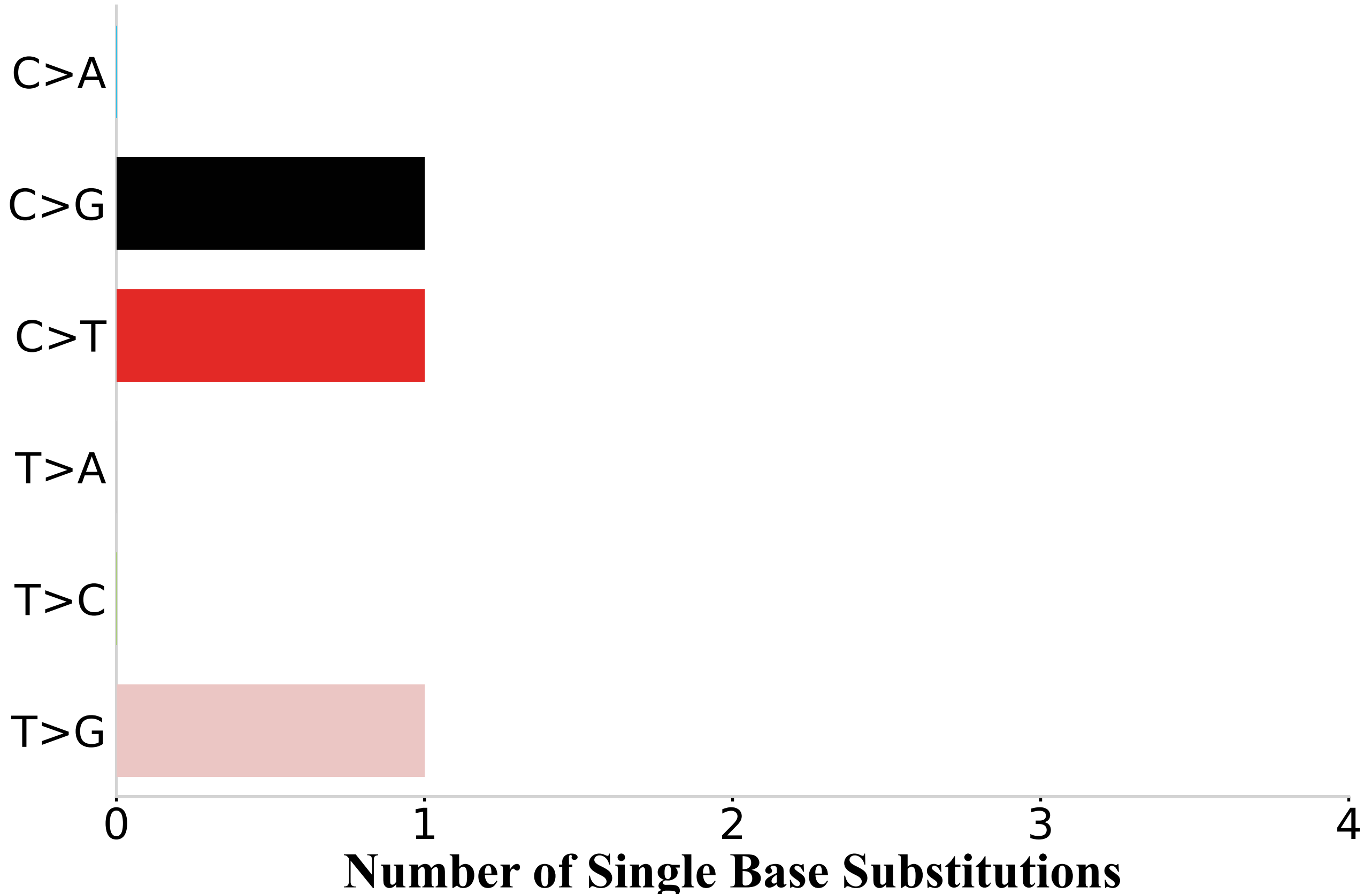
P-0040821-T01-IM6: 1 subs



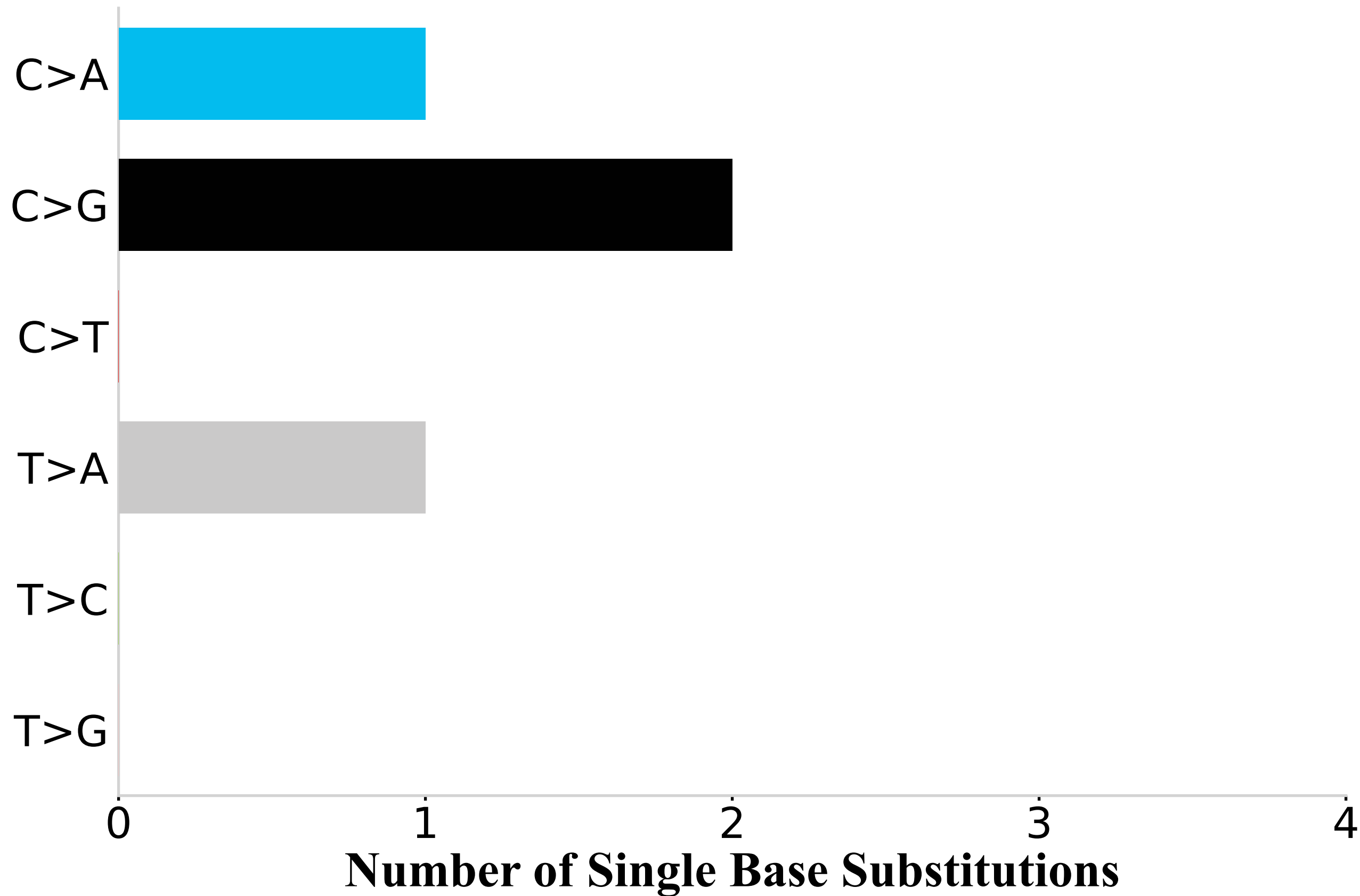
P-0042032-T01-IM6: 2 subs



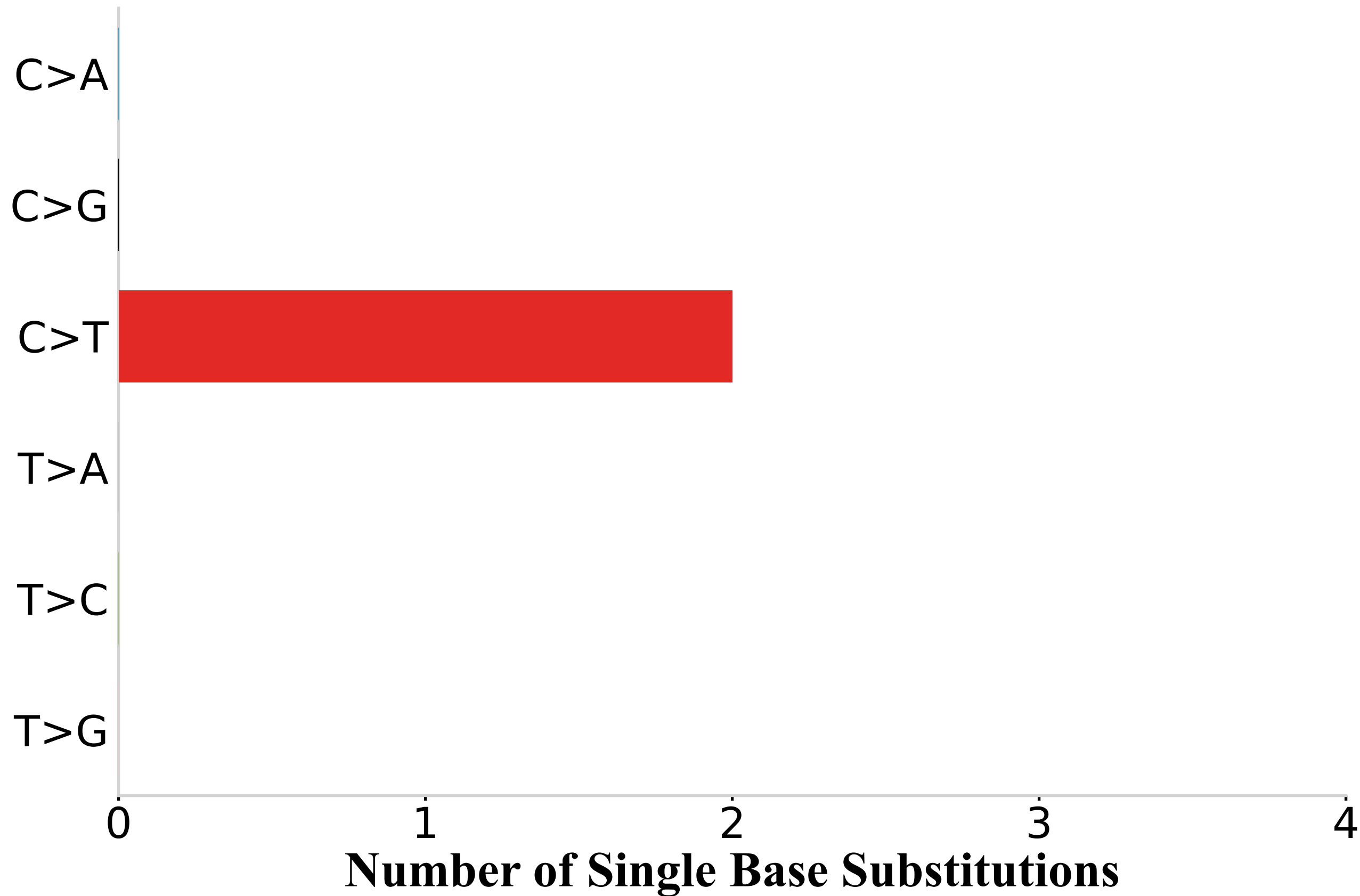
P-0042097-T01-IM6: 3 subs



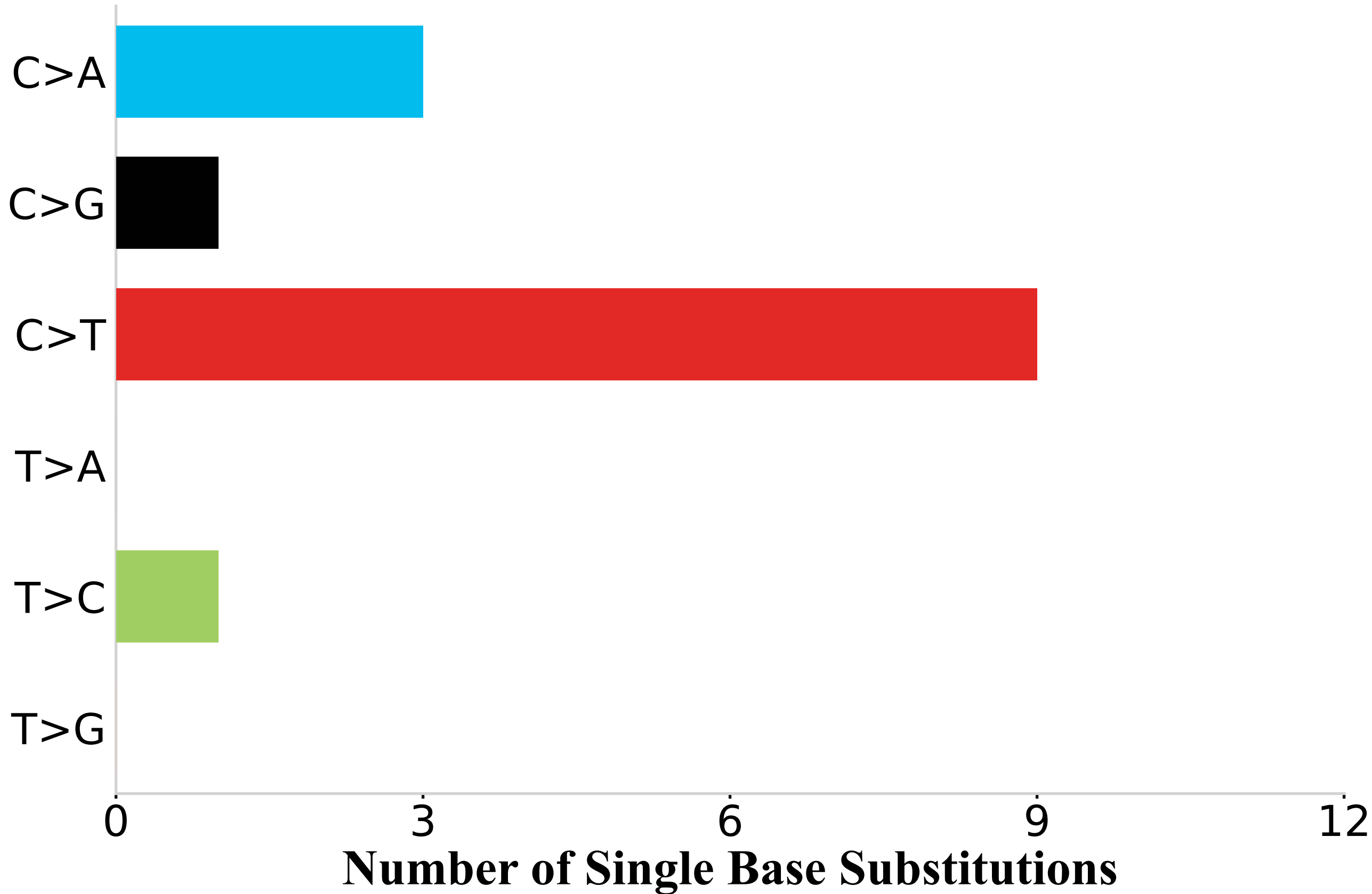
P-0042374-T01-IM6: 4 subs



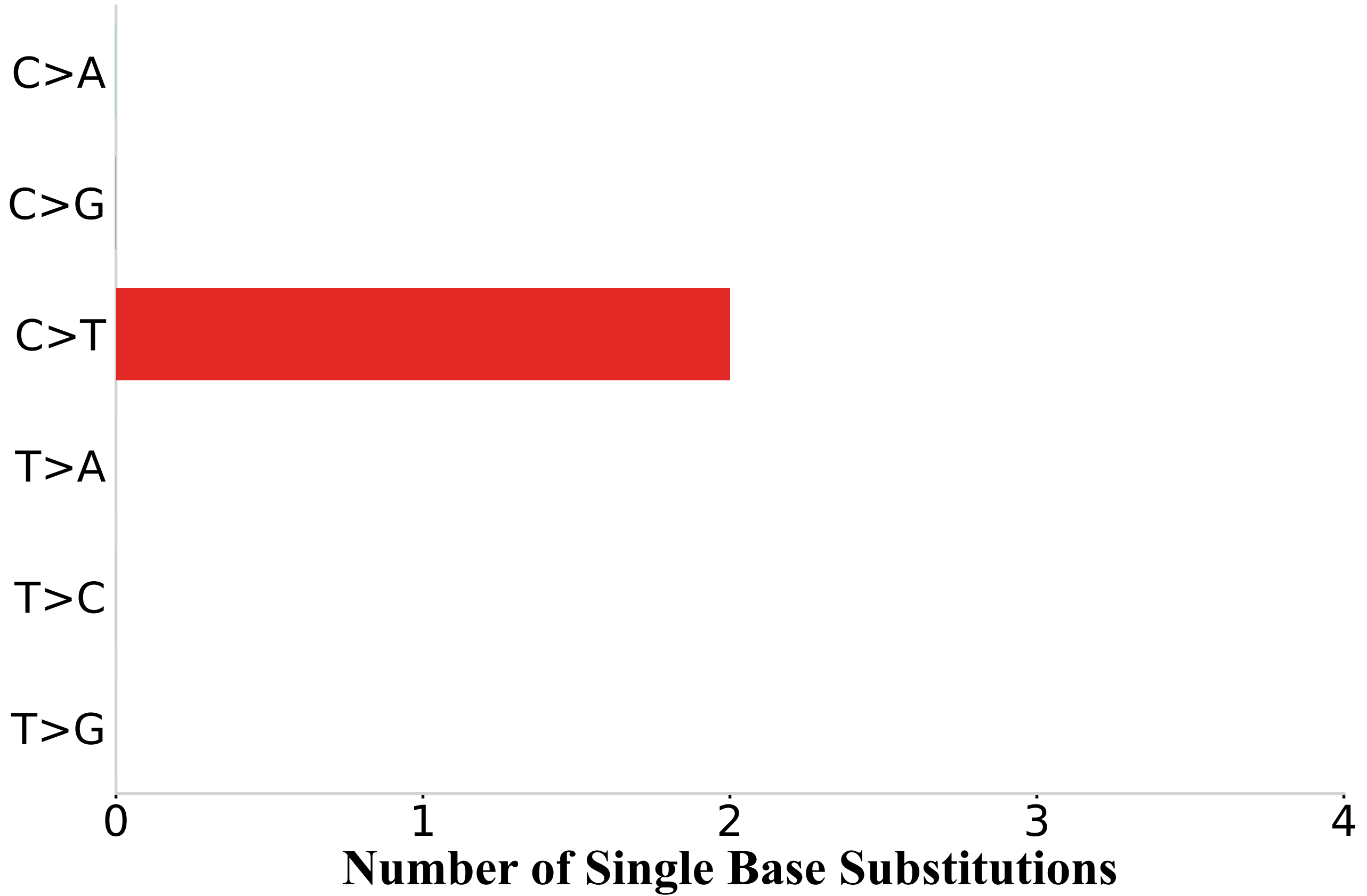
P-0042572-T02-IM6: 2 subs



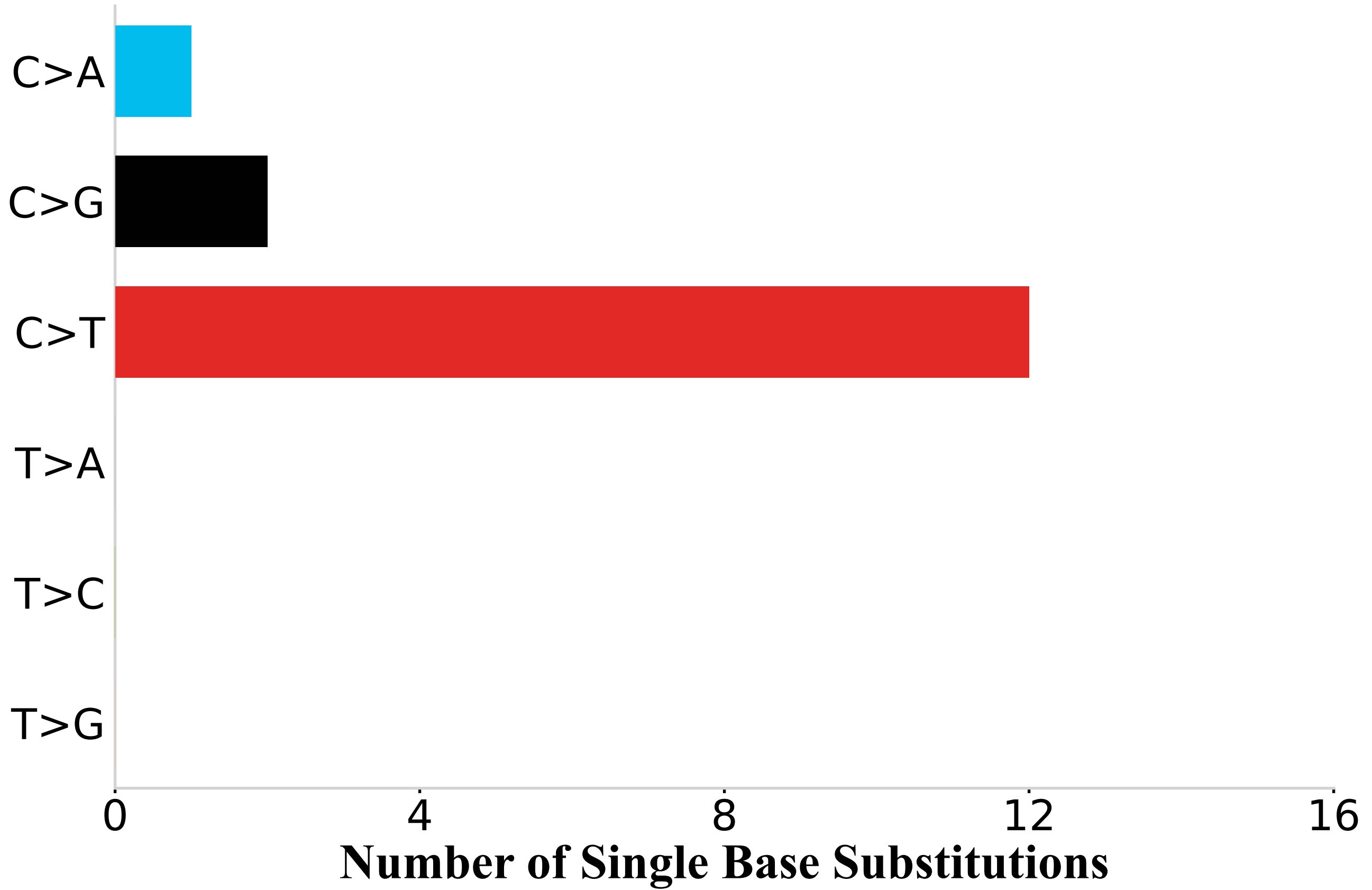
P-0042679-T01-IM6: 14 subs



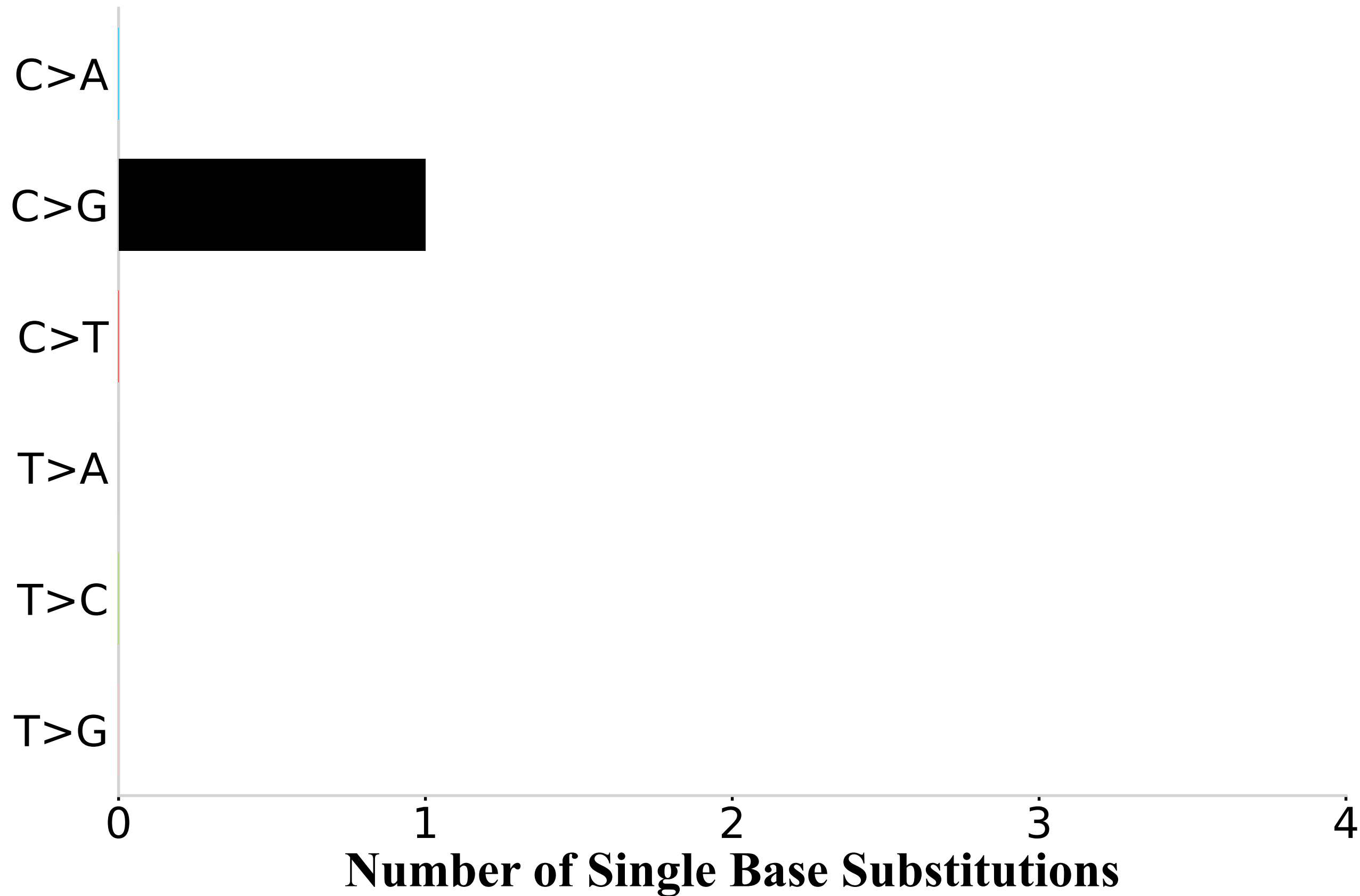
P-0042682-T01-IM6: 2 subs



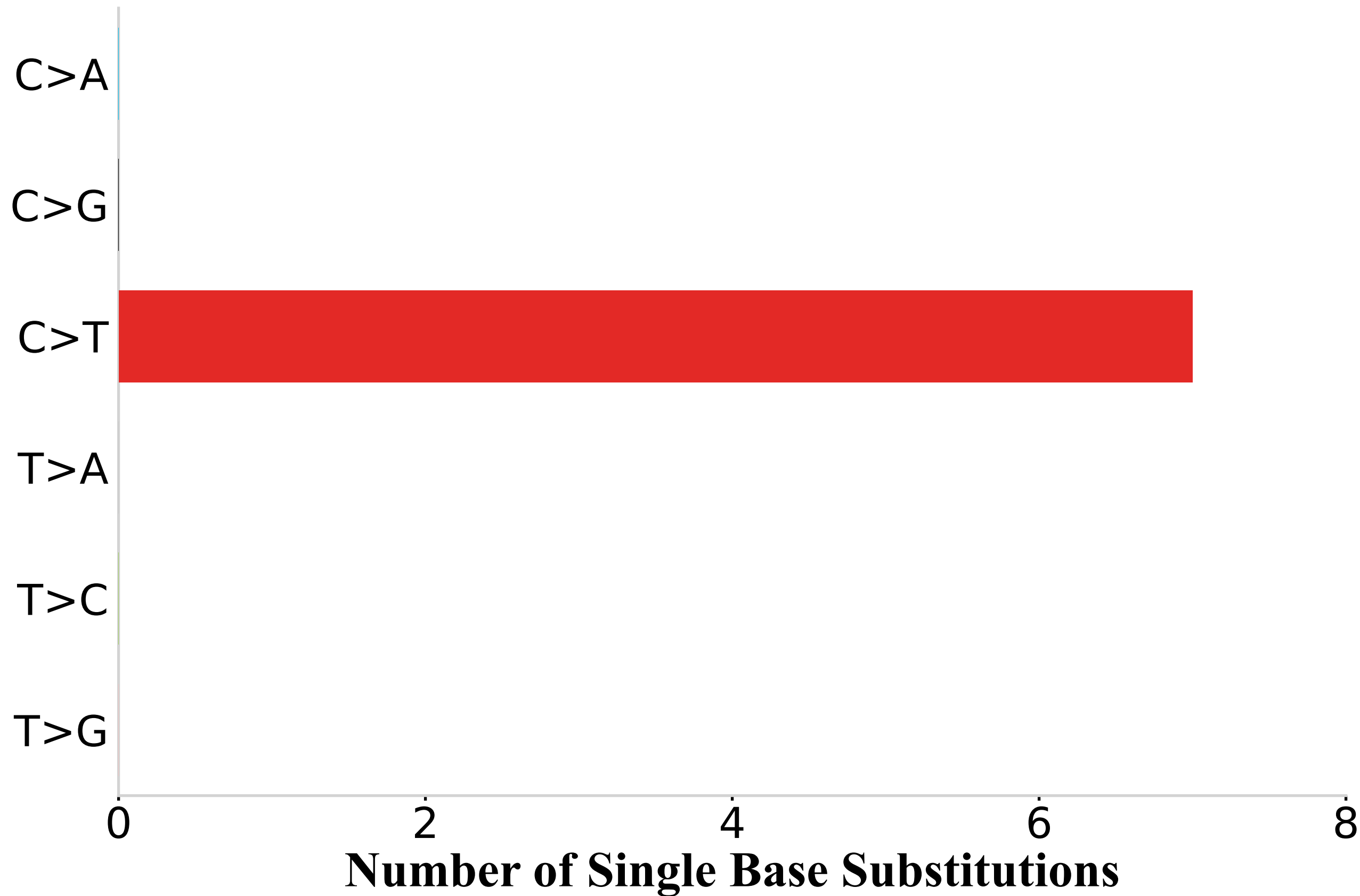
P-0042713-T01-IM6: 15 subs



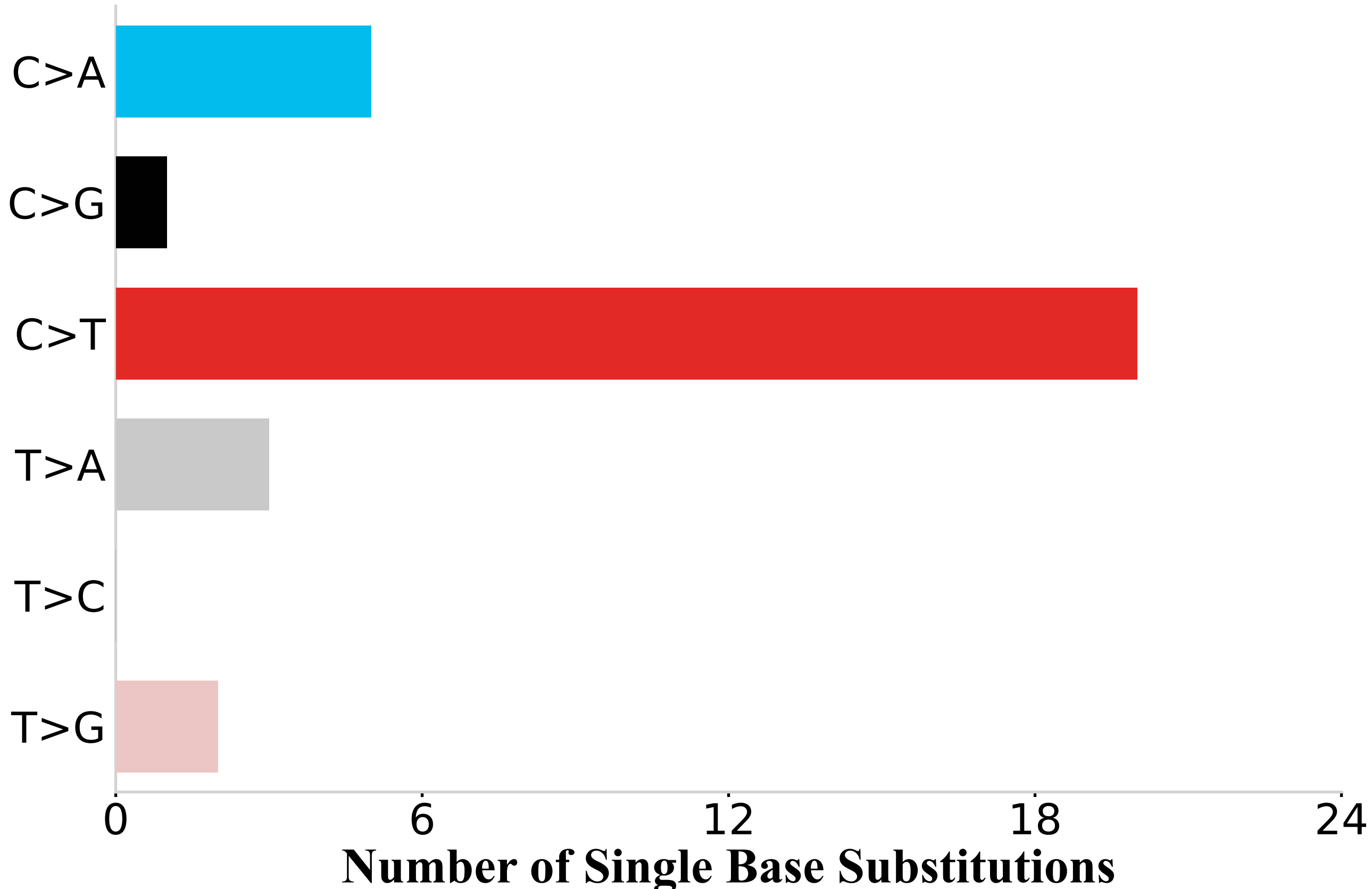
P-0042973-T01-IM6: 1 subs



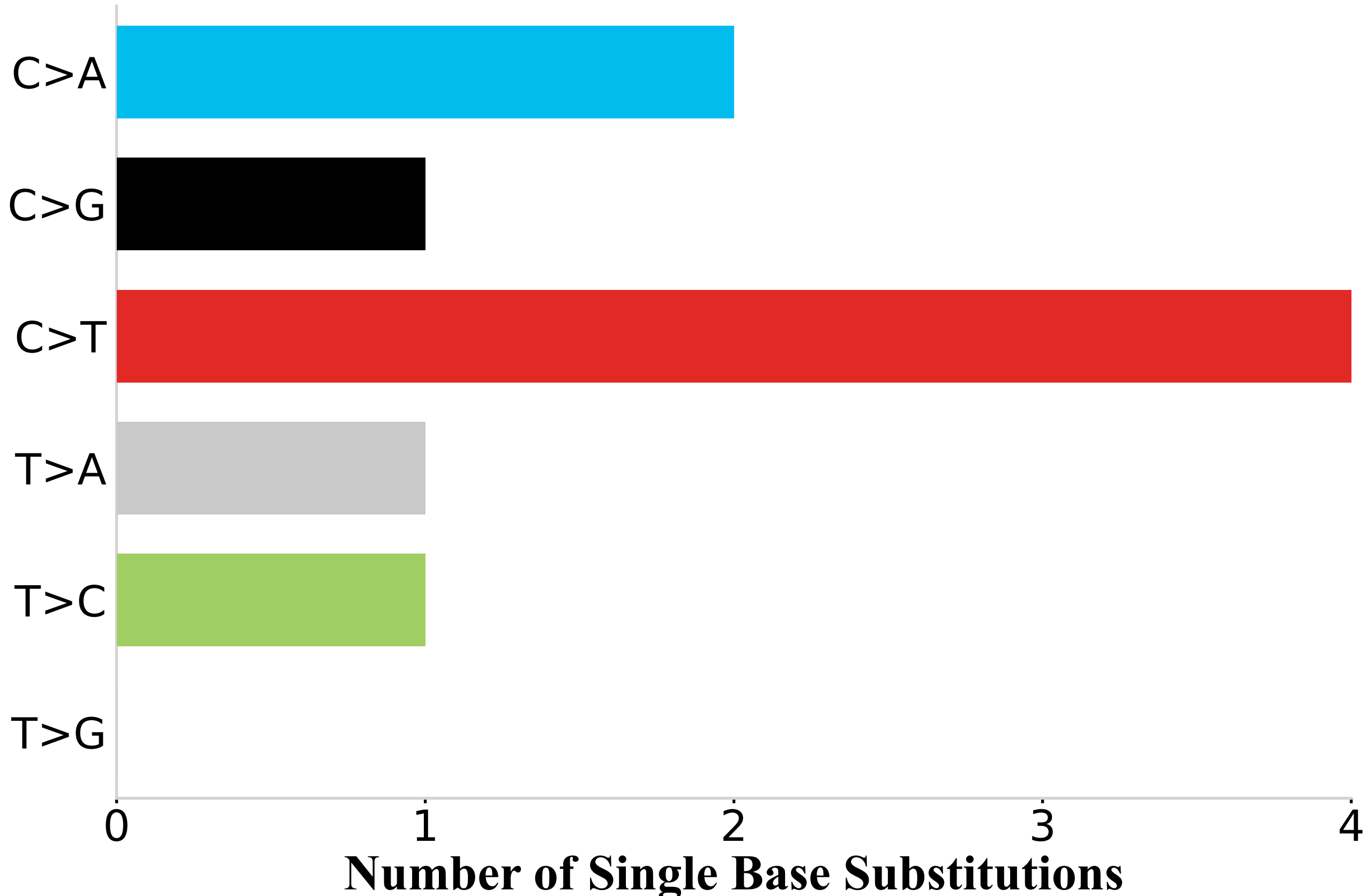
P-0042997-T01-IM6: 7 subs



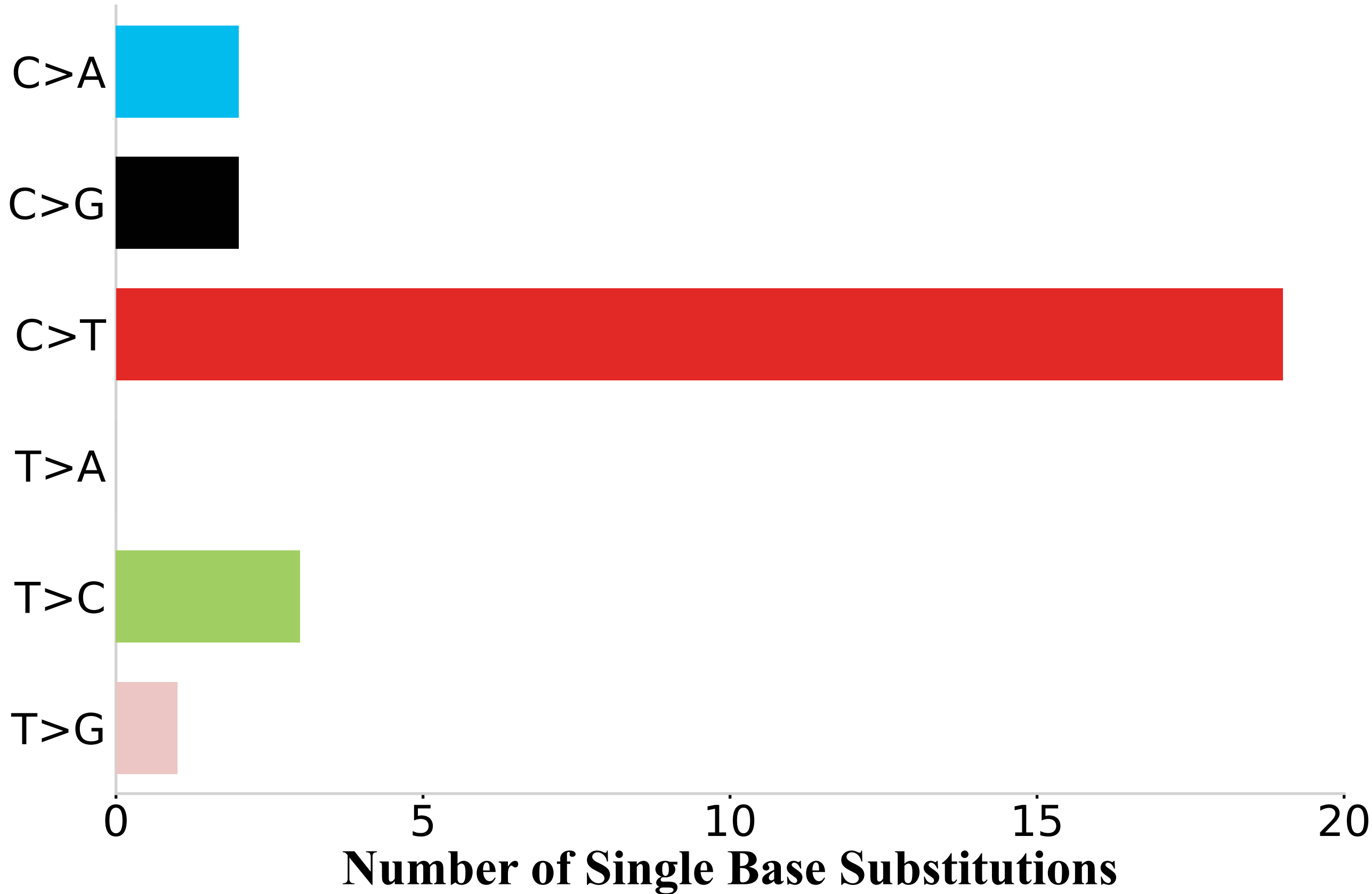
P-0043111-T01-IM6: 31 subs



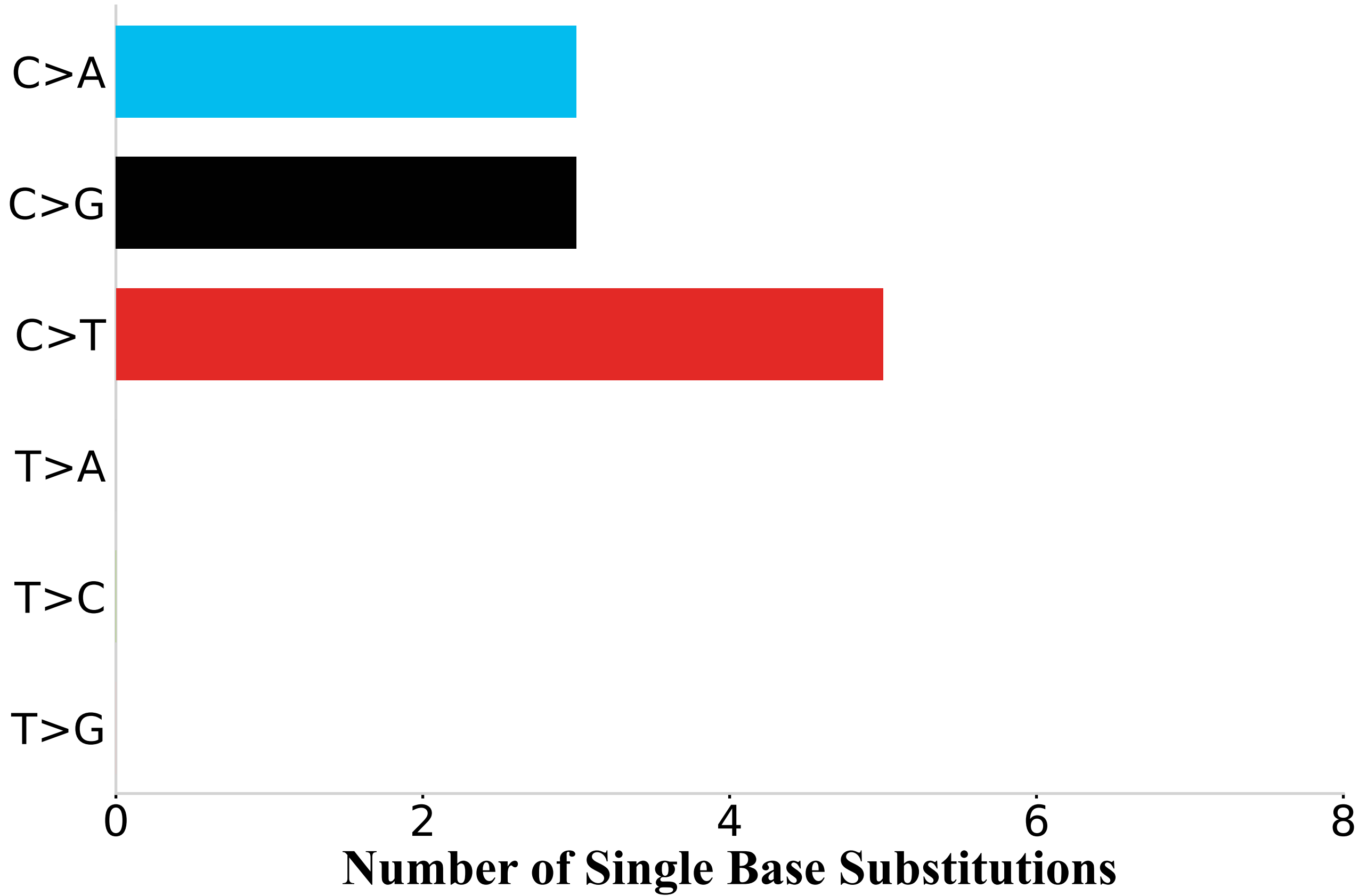
P-0043132-T01-IM6: 9 subs



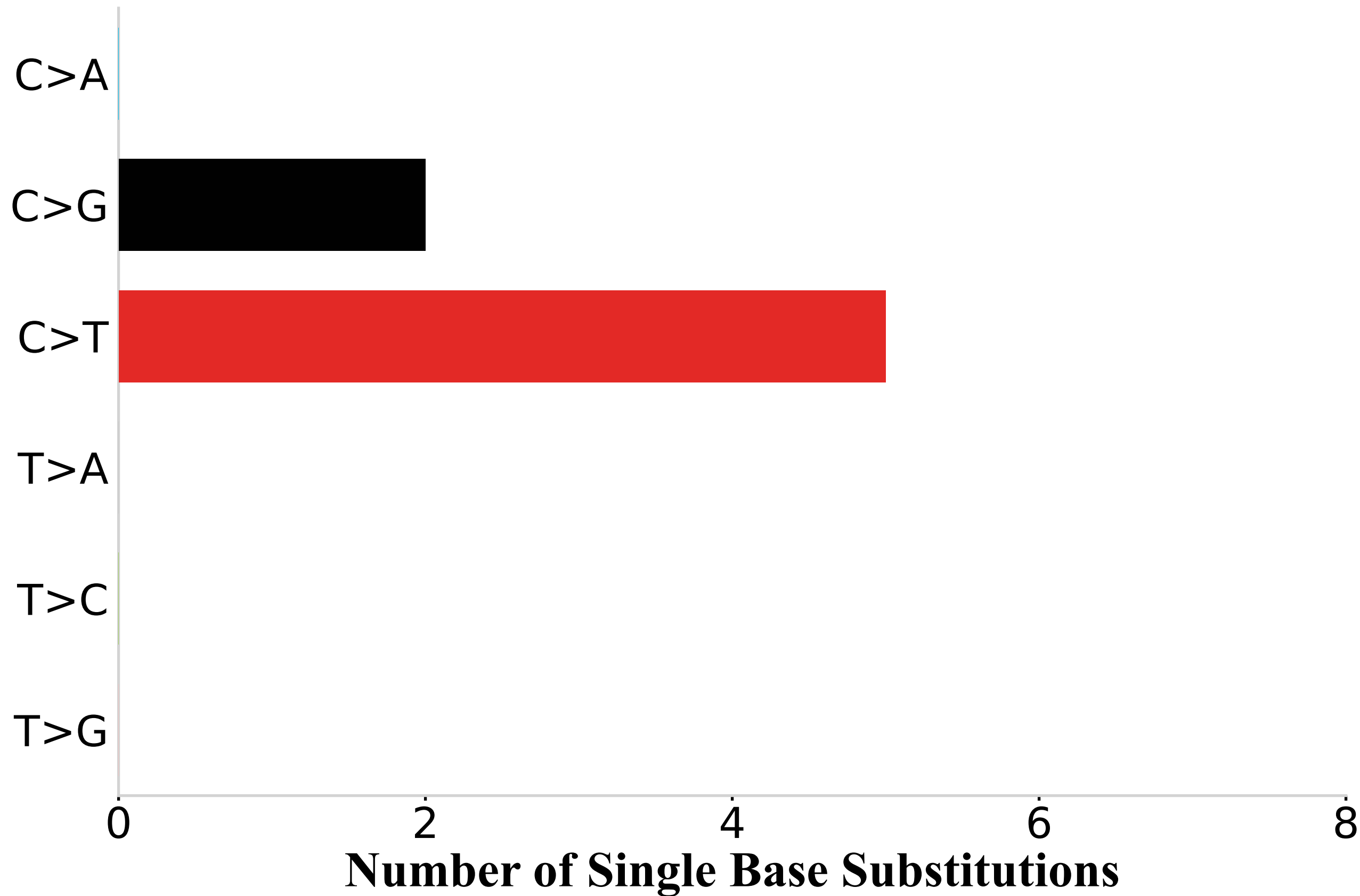
P-0043707-T01-IM6: 27 subs



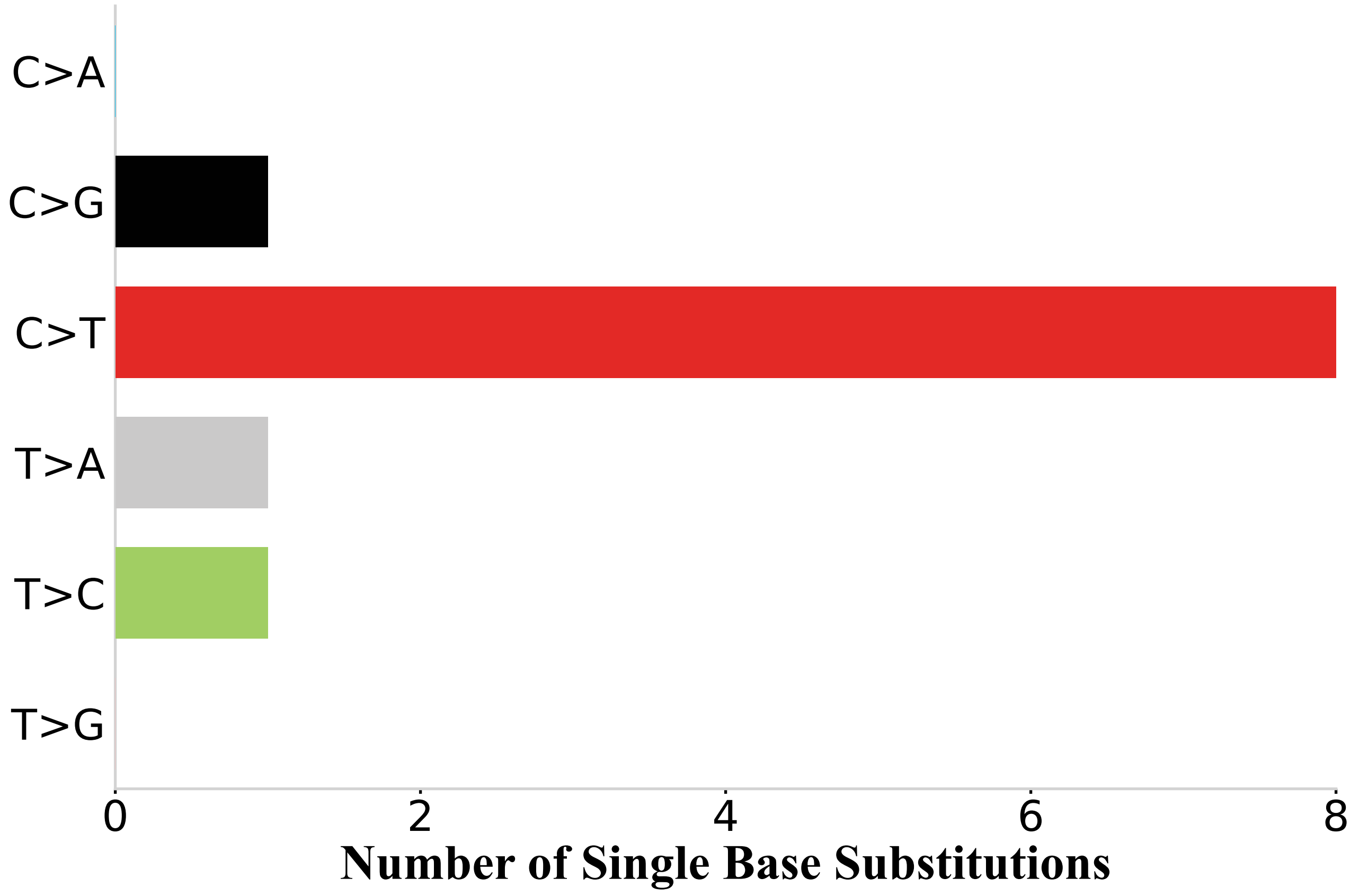
P-0043711-T01-IM6: 11 subs



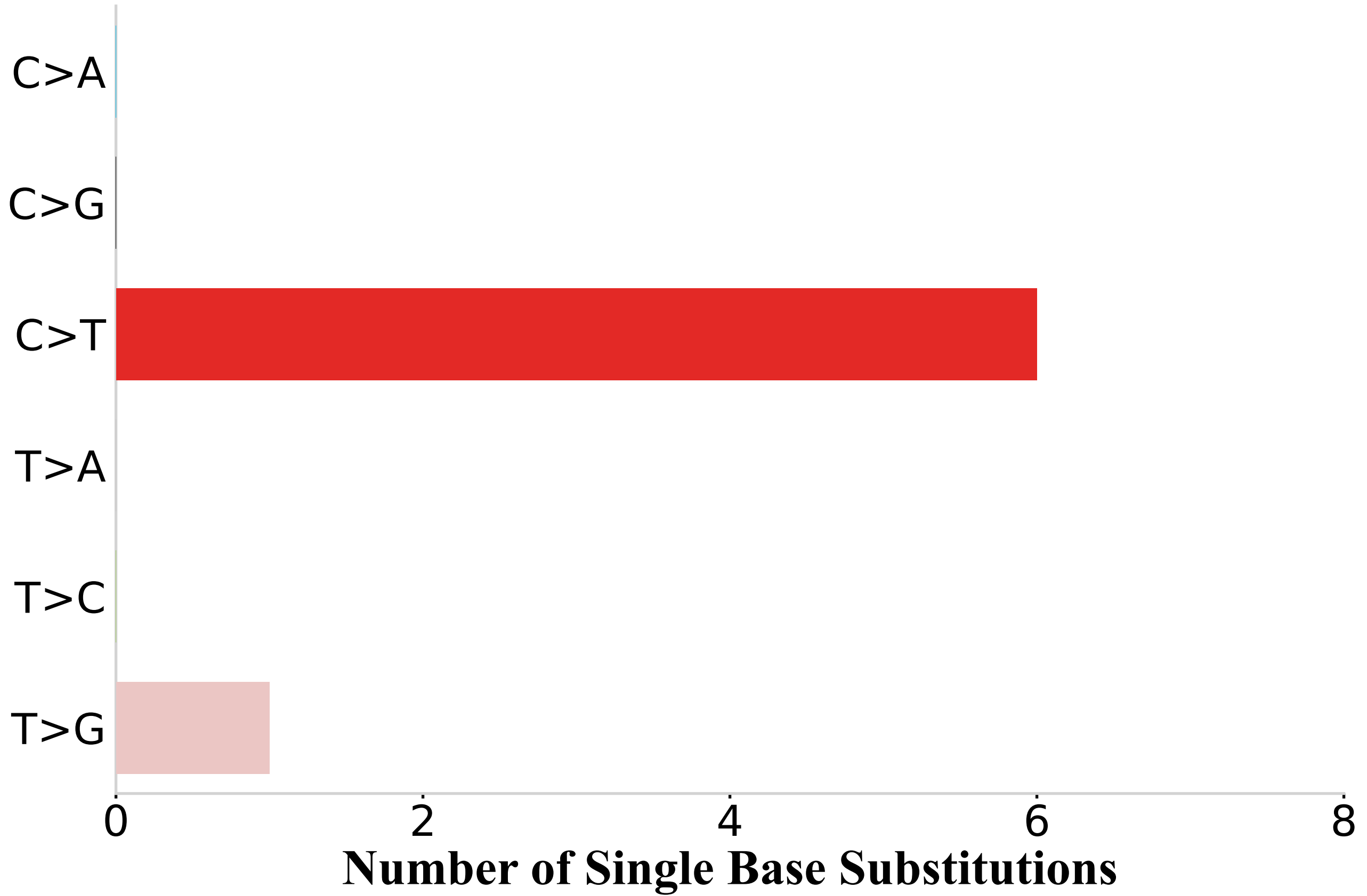
P-0044108-T02-IM6: 7 subs



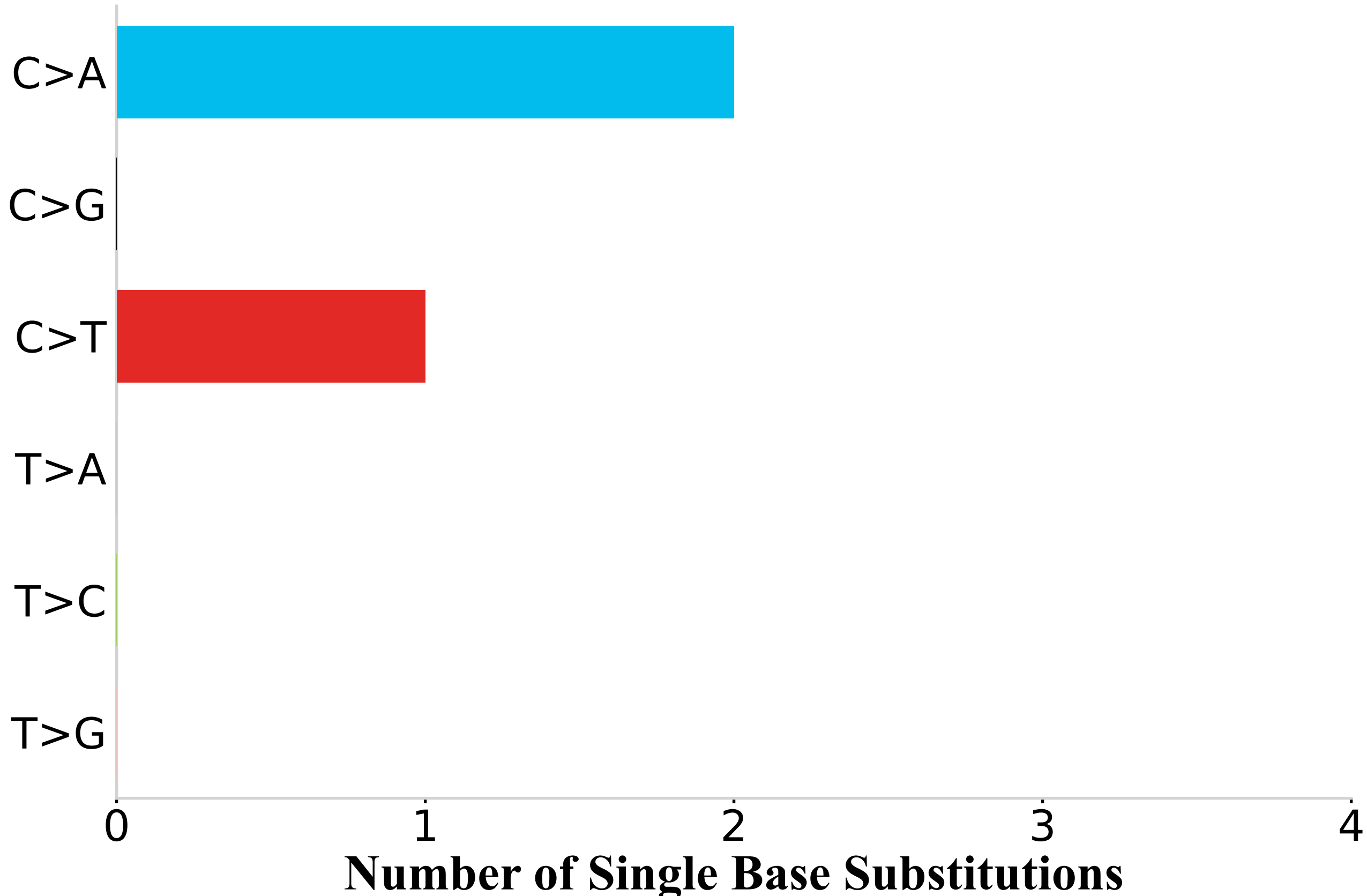
P-0044754-T02-IM6: 11 subs



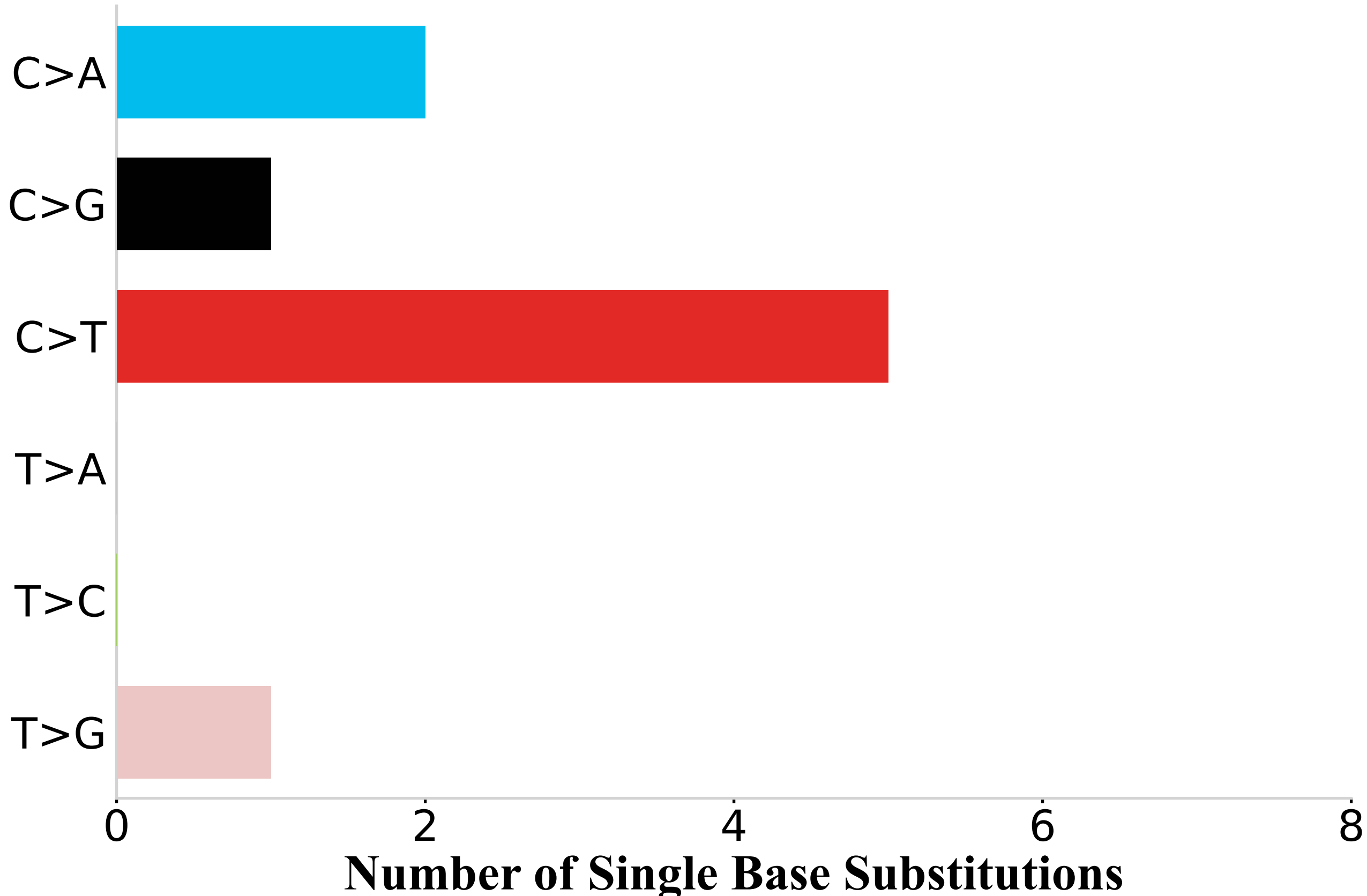
P-0044773-T01-IM6: 7 subs



P-0045294-T01-IM6: 3 subs



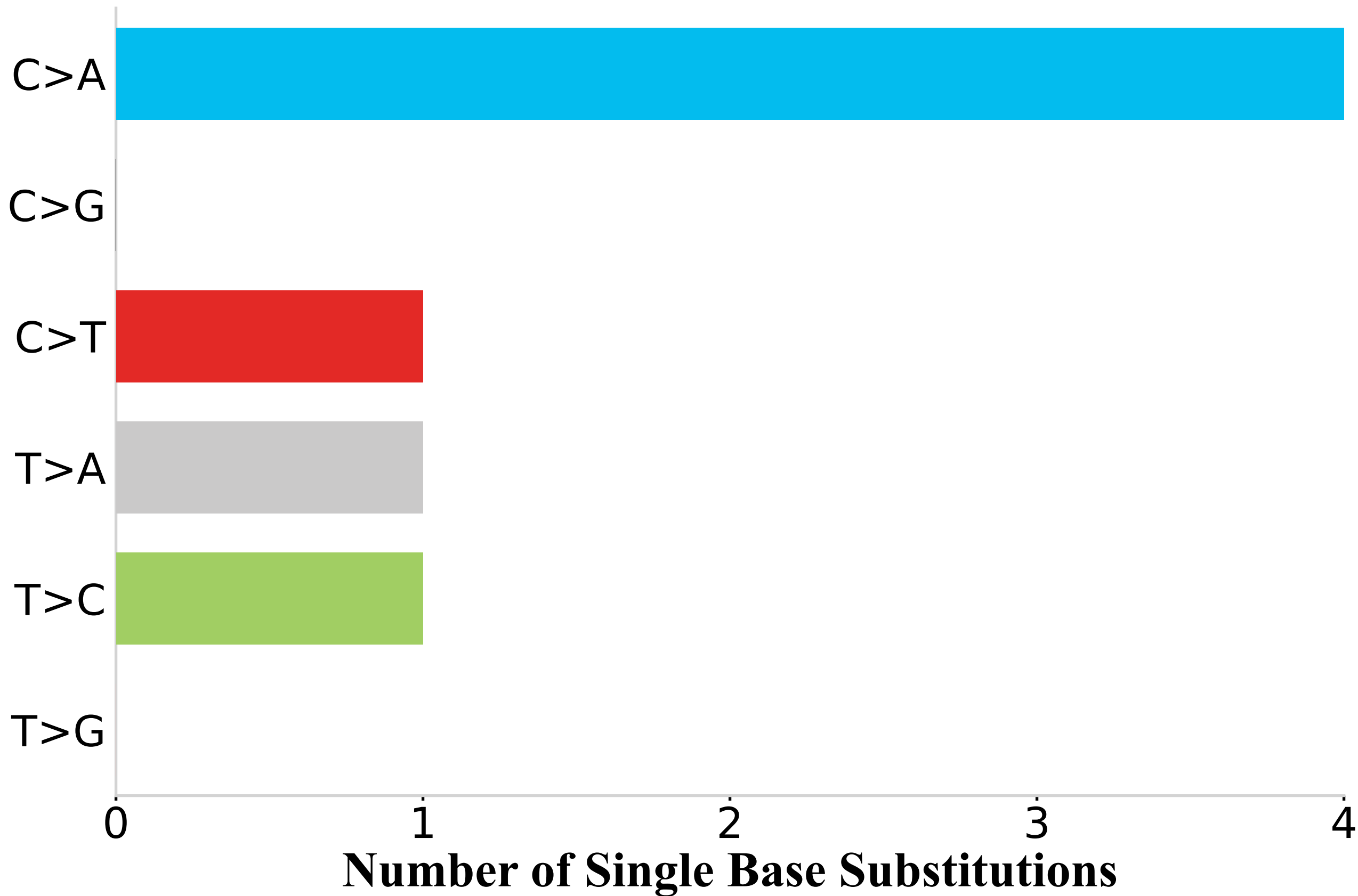
P-0045714-T01-IM6: 9 subs



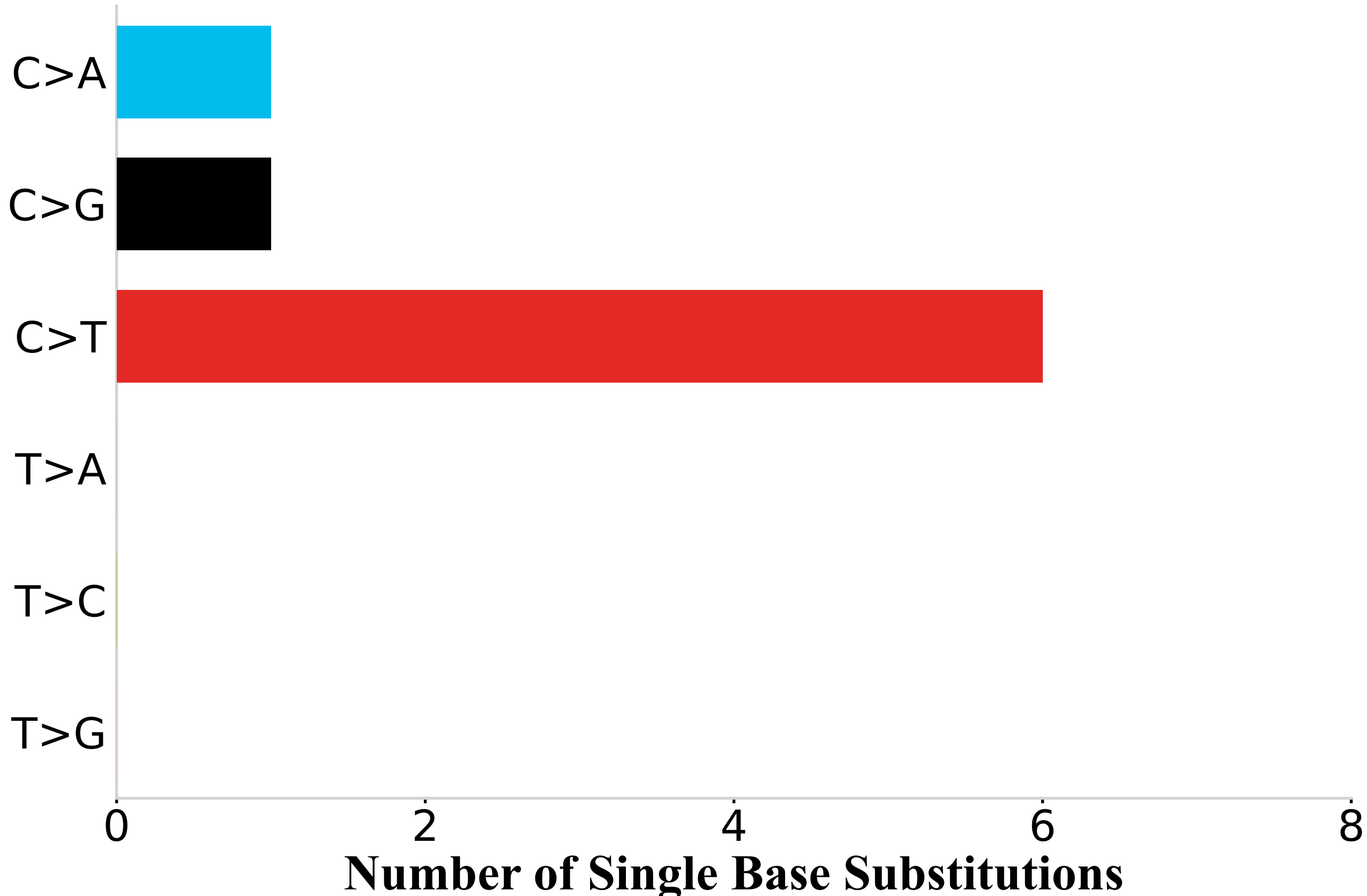
P-0045837-T01-IM6: 1 subs



P-0046021-T01-IM6: 7 subs



P-0046160-T01-IM6: 8 subs



P-0046215-T01-IM6: 0 subs

C>A

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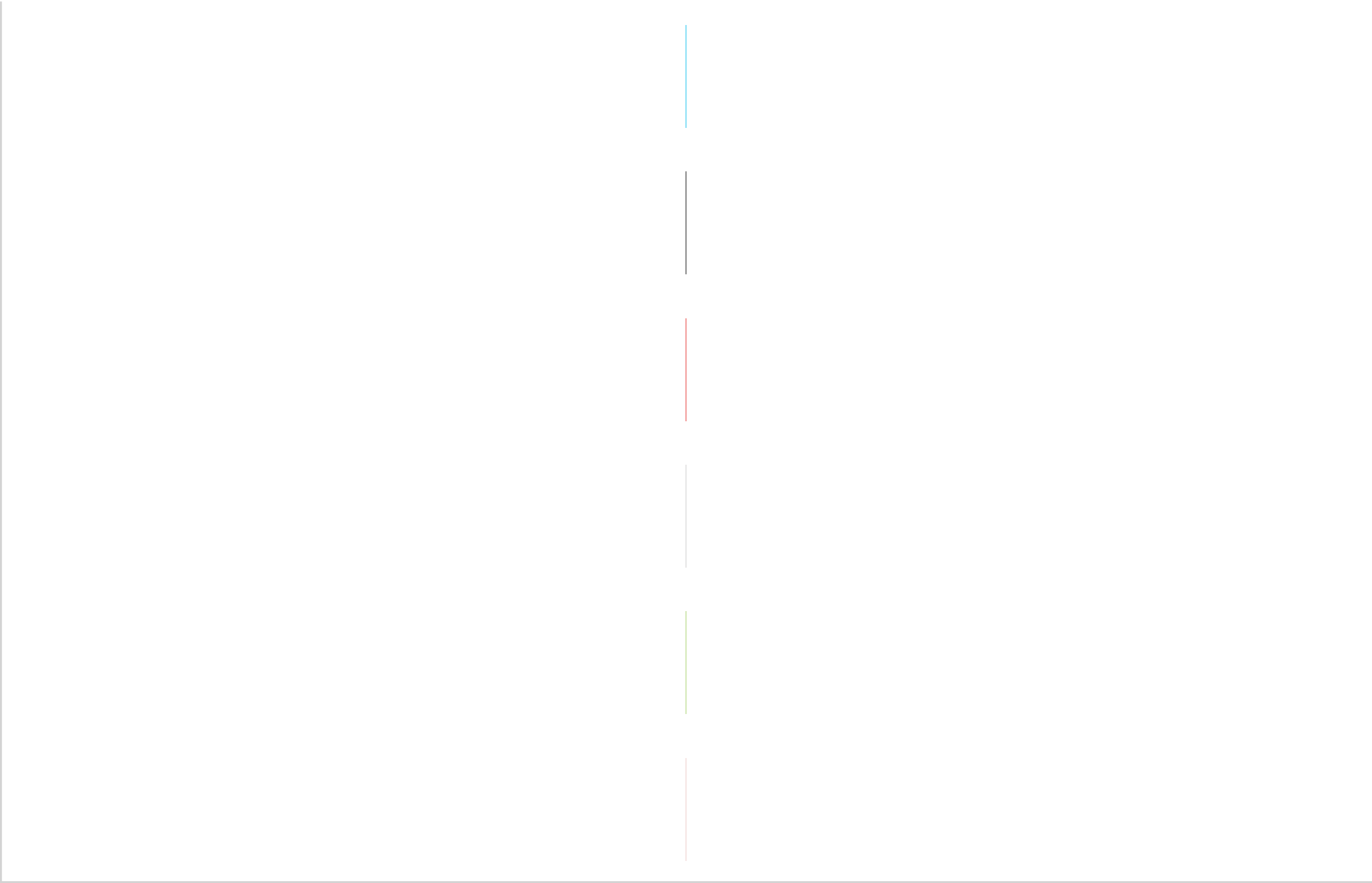
T>A

T>C

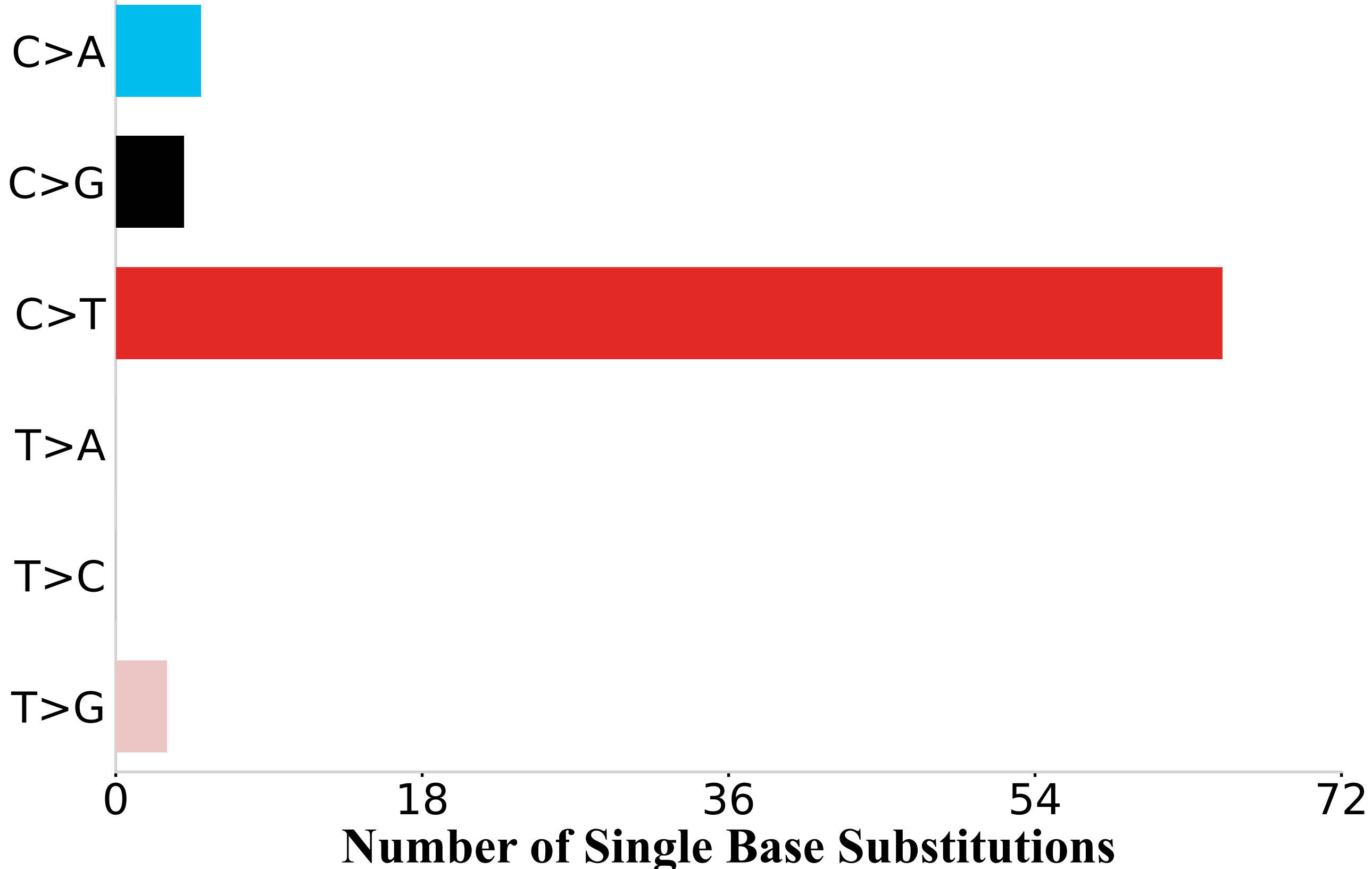
T>G

0

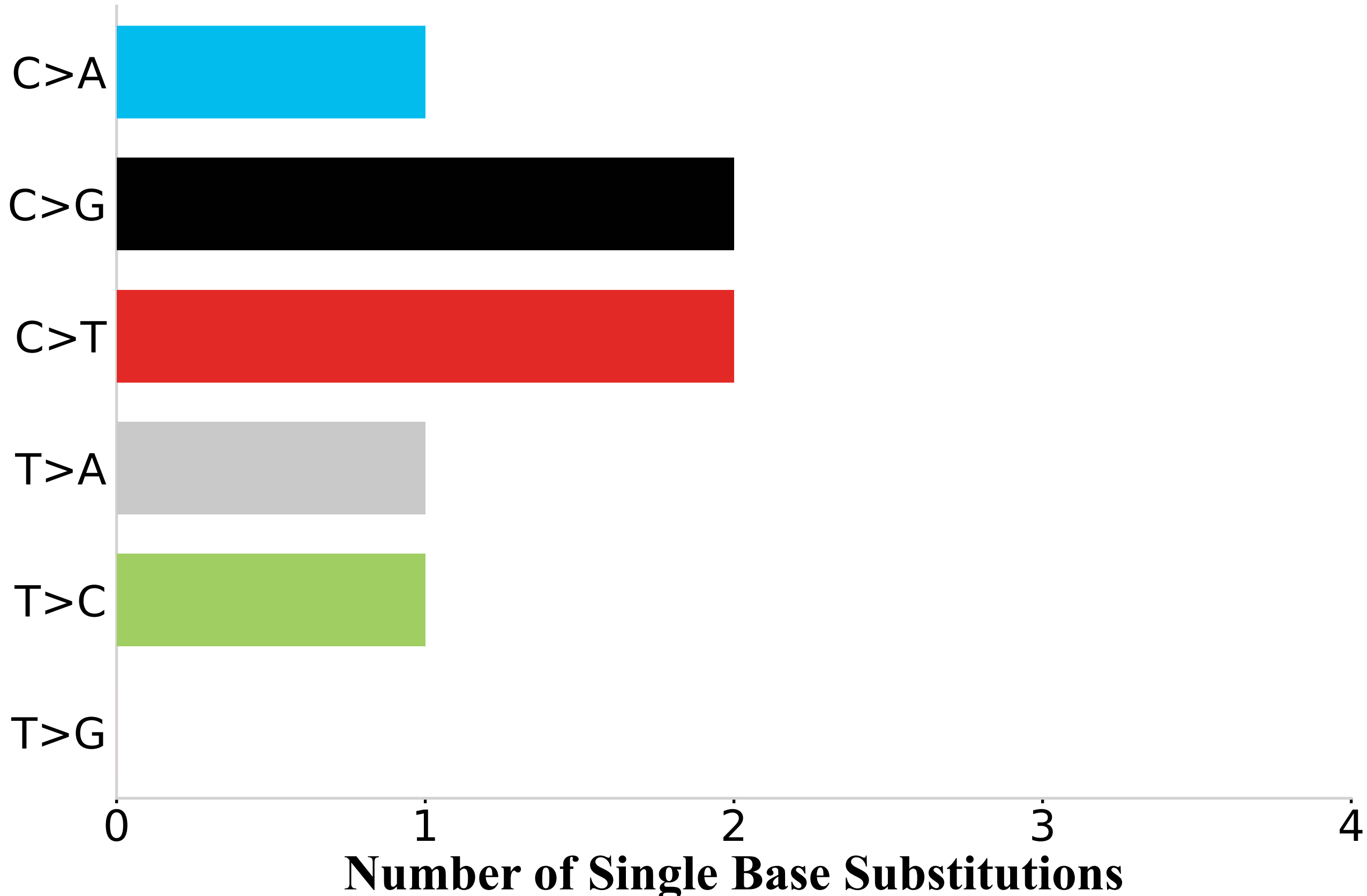
Number of Single Base Substitutions



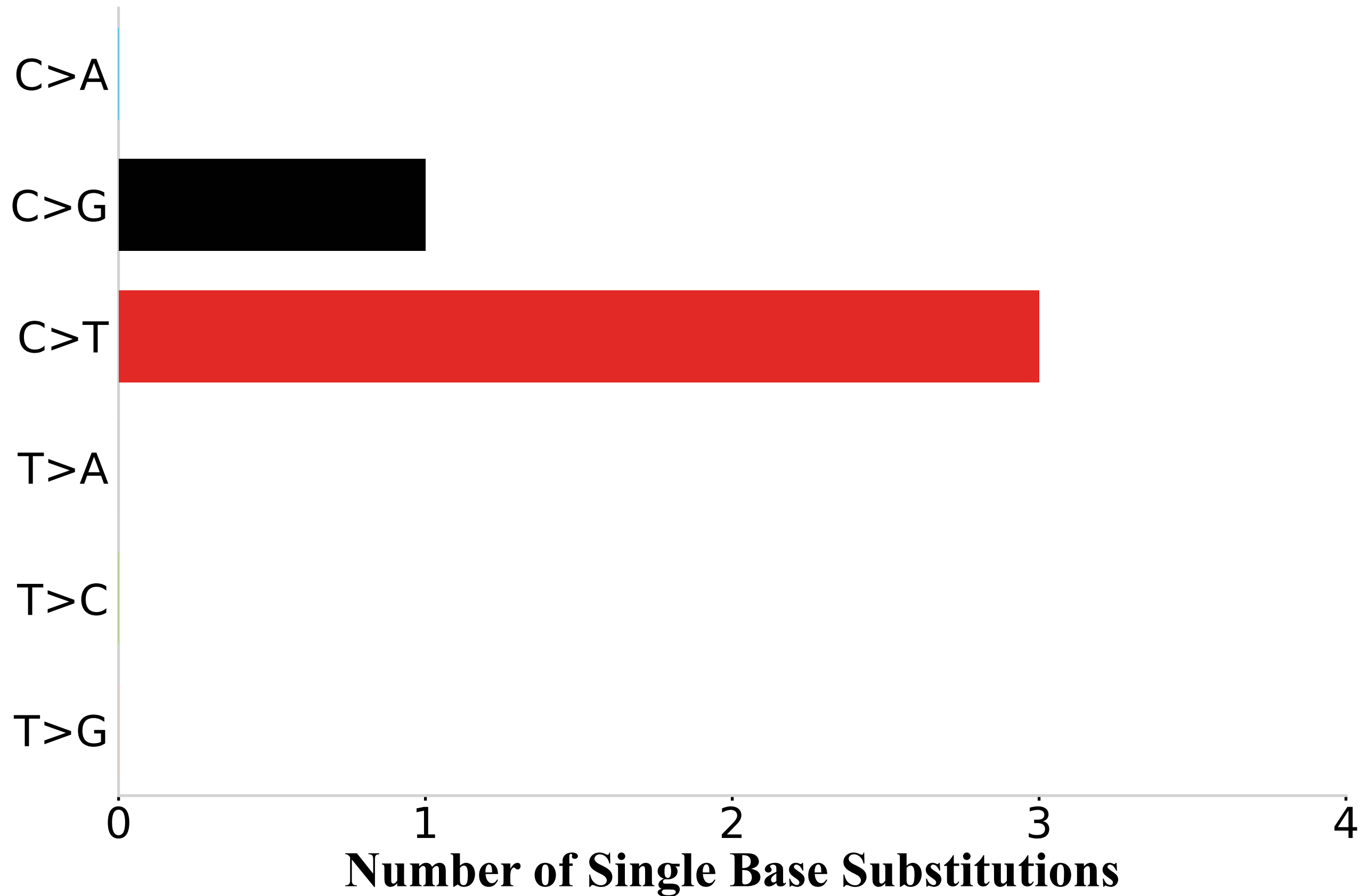
P-0046486-T01-IM6: 77 subs



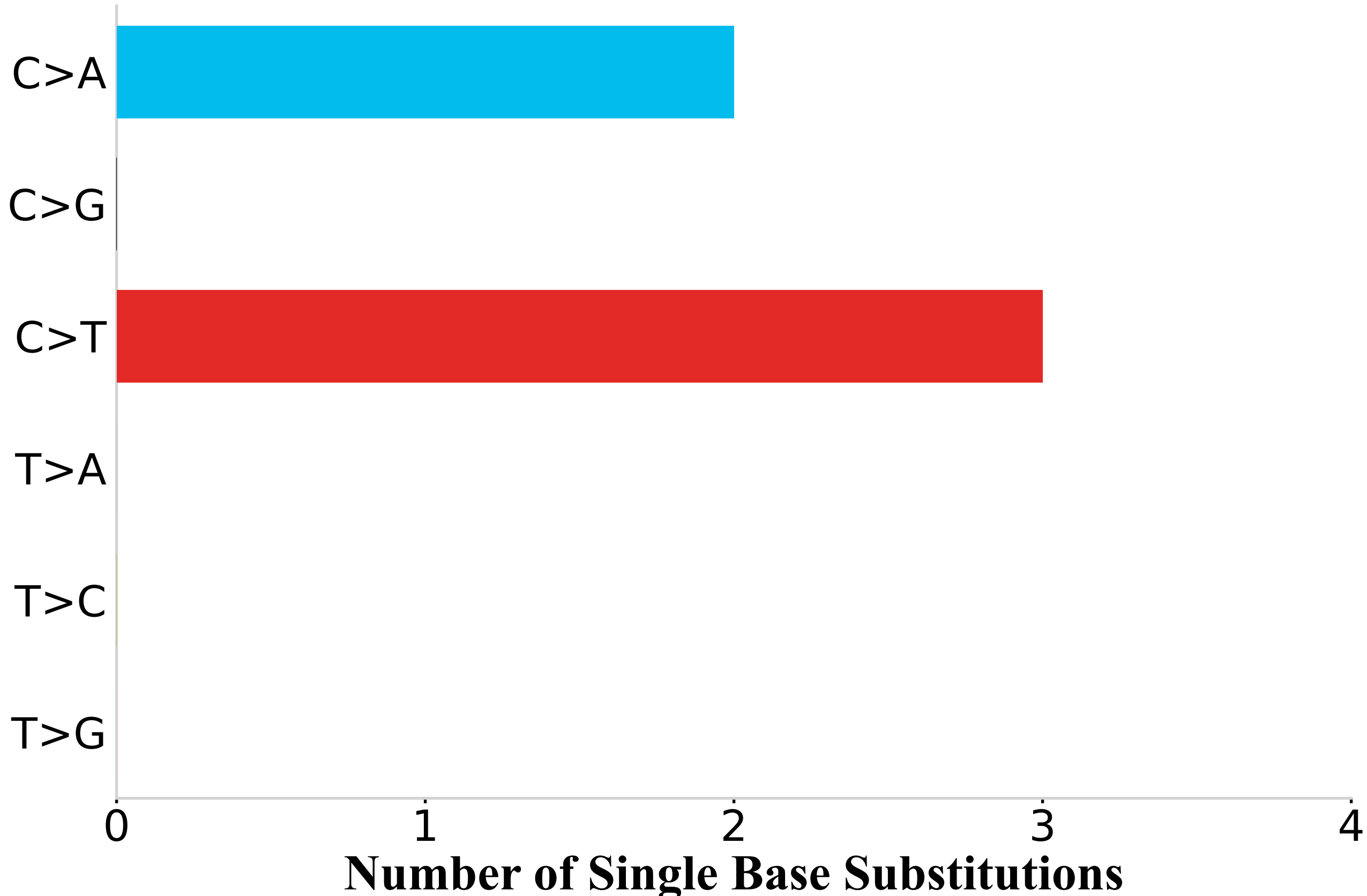
P-0046651-T01-IM6: 7 subs



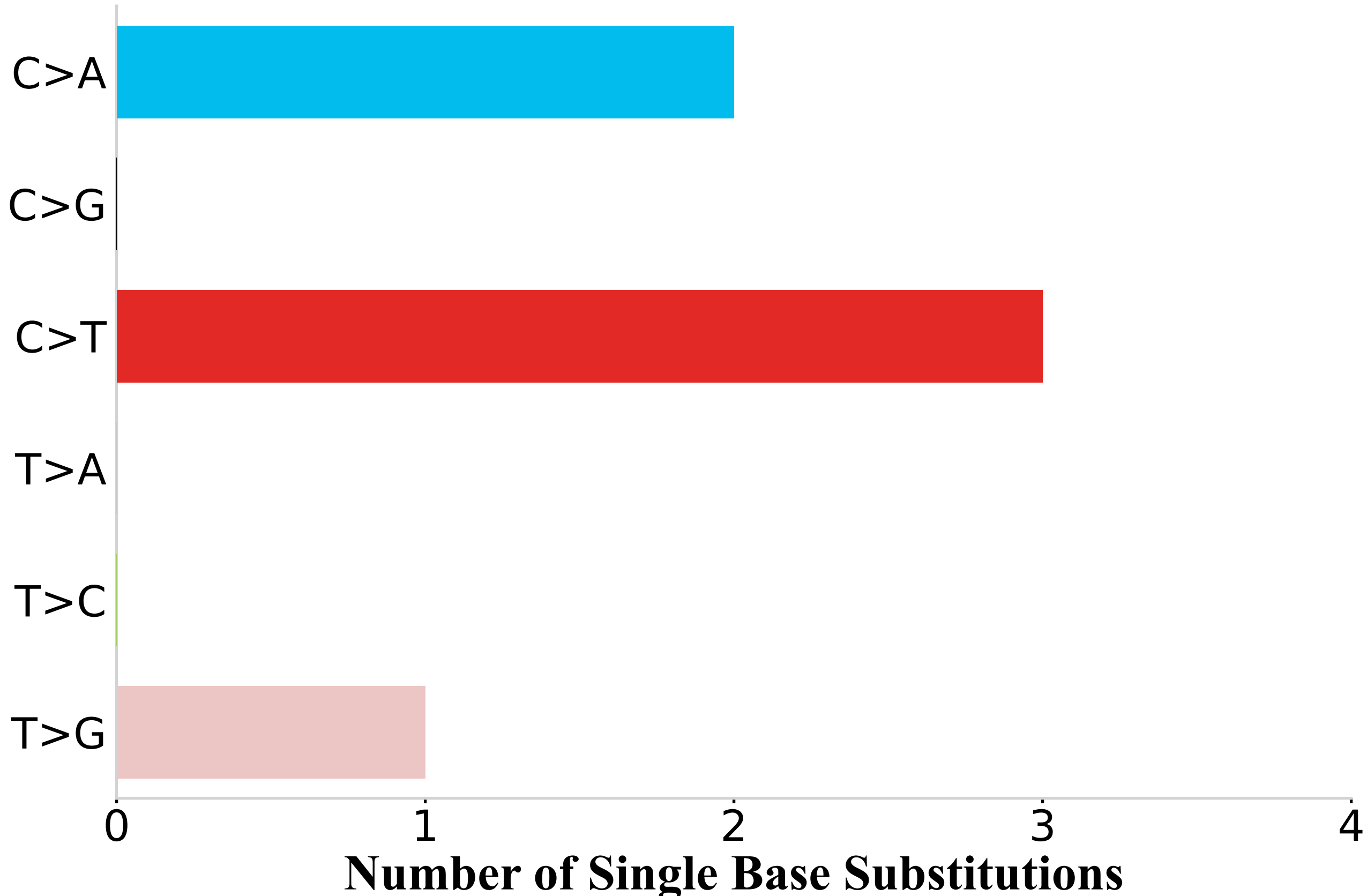
P-0046817-T01-IM6: 4 subs



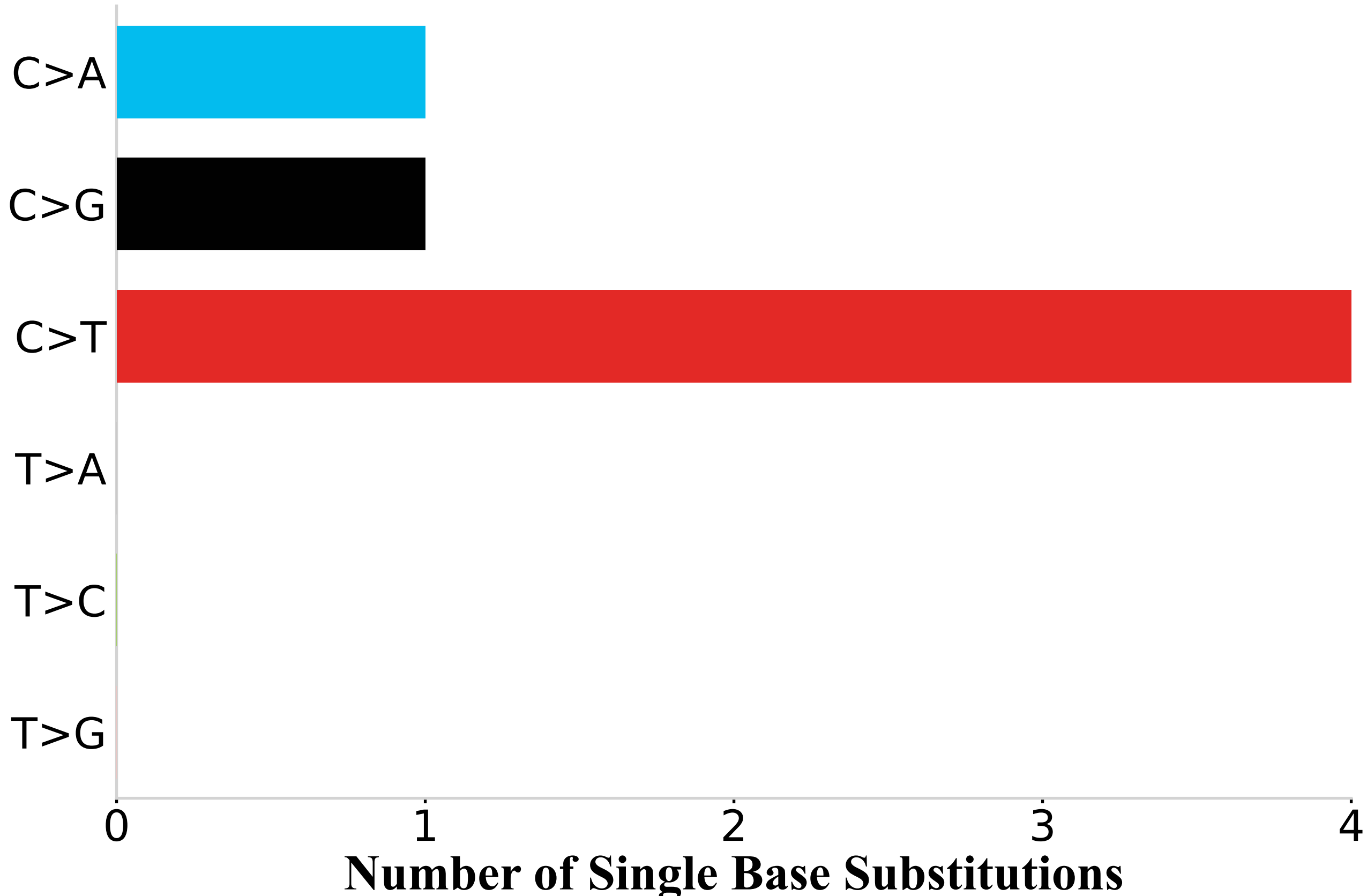
P-0047400-T02-IM6: 5 subs



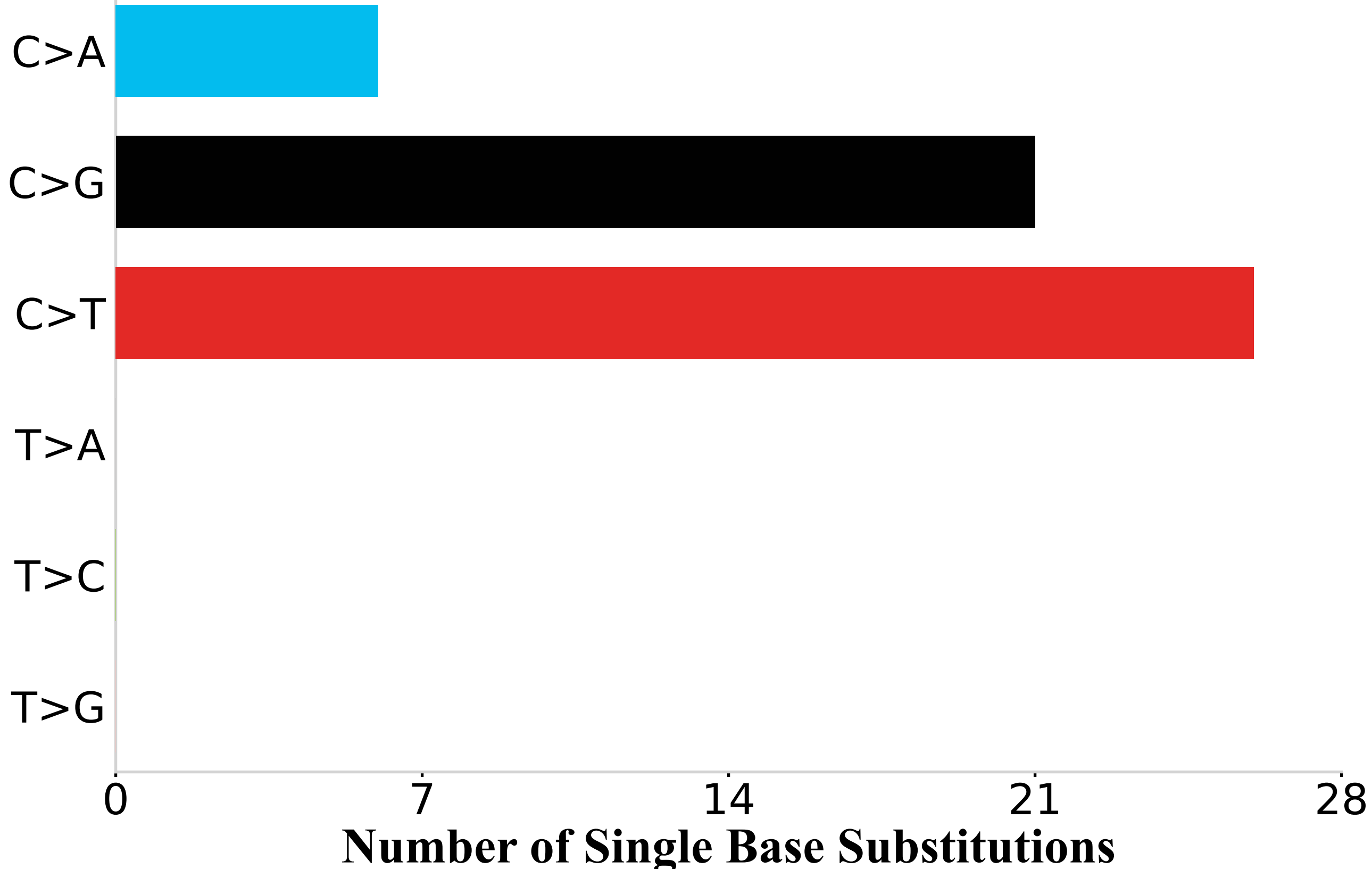
P-0047419-T01-IM6: 6 subs



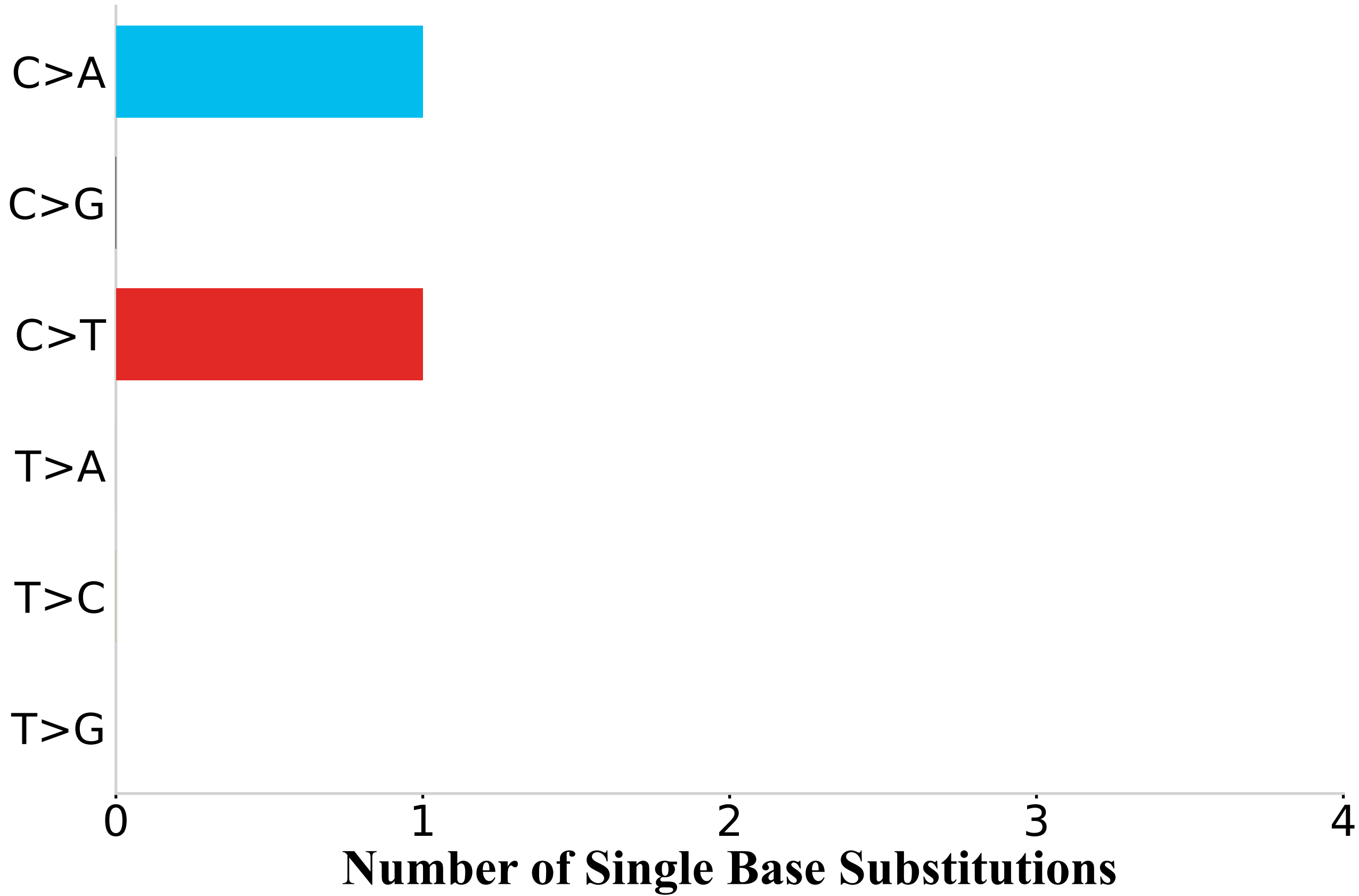
P-0047614-T01-IM6: 6 subs



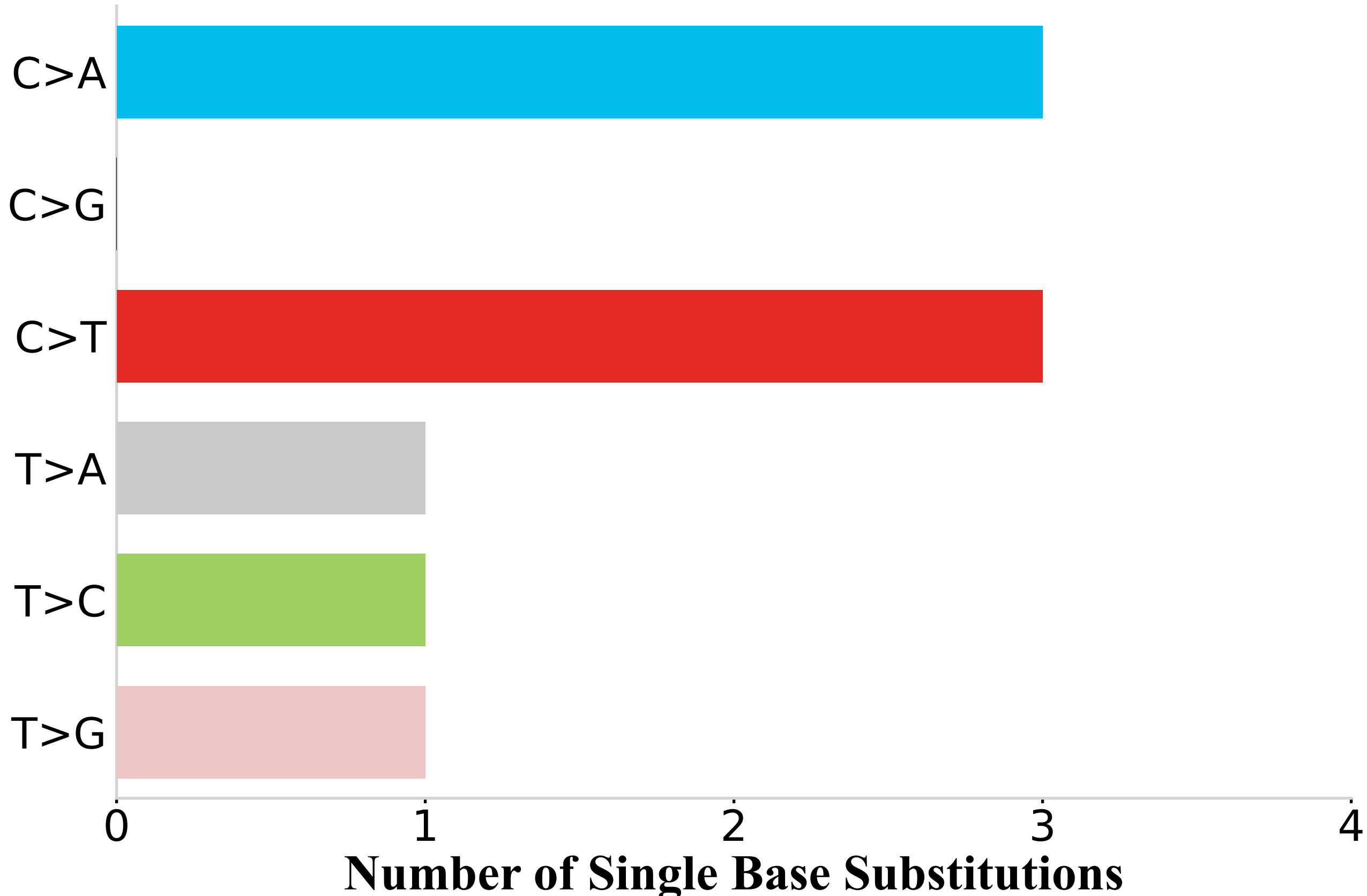
P-0047952-T01-IM6: 53 subs



P-0048630-T01-IM6: 2 subs



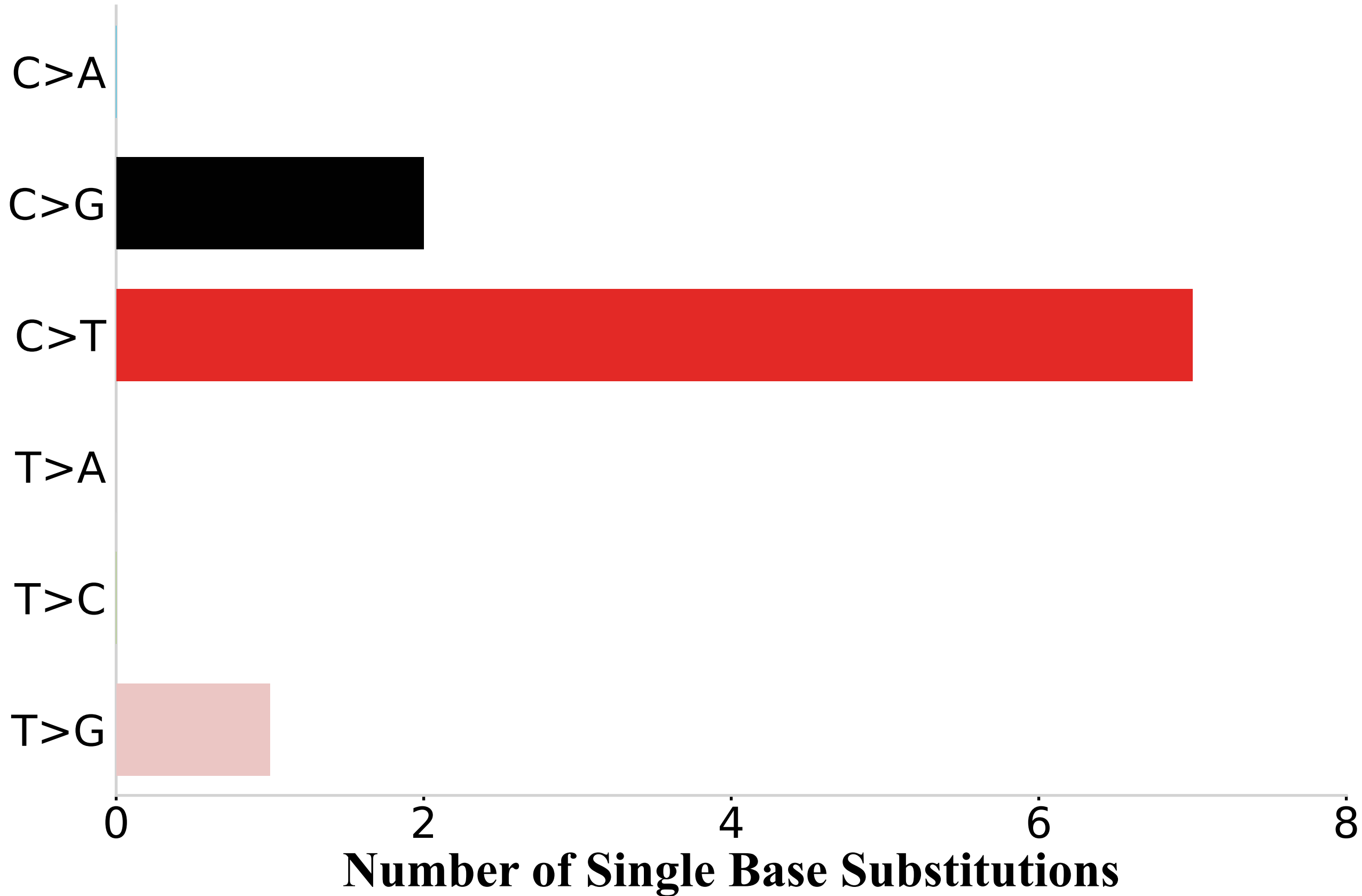
P-0049595-T01-IM6: 9 subs



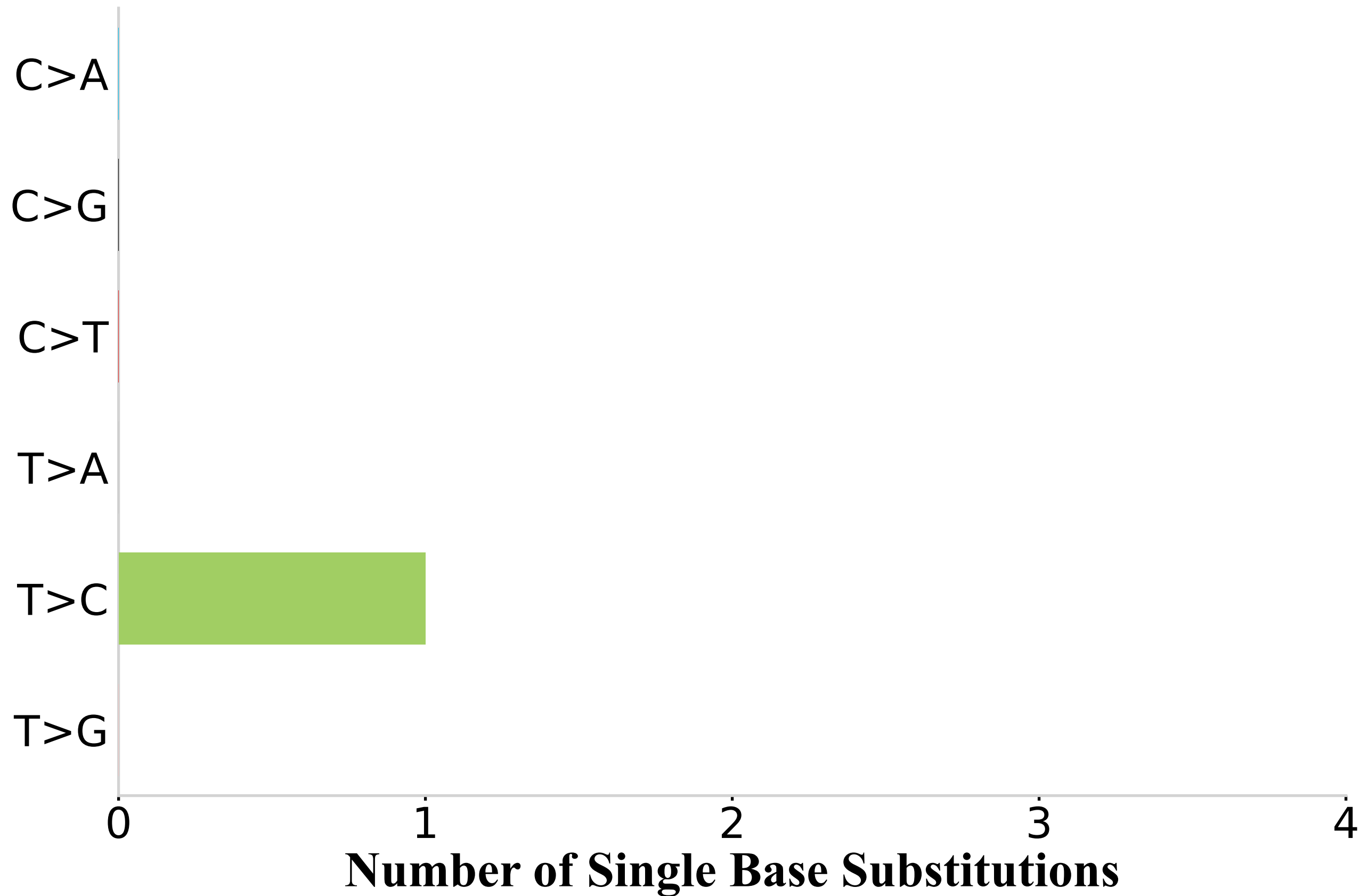
P-0049623-T01-IM6: 10 subs



P-0049840-T01-IM6: 10 subs



P-0049880-T01-IM6: 1 subs



P-0049897-T01-IM6: 1 subs



P-0050089-T01-IM6: 2 subs



P-0050235-T01-IM6: 3 subs

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C>G

C>T

T>A

T>C

T>G

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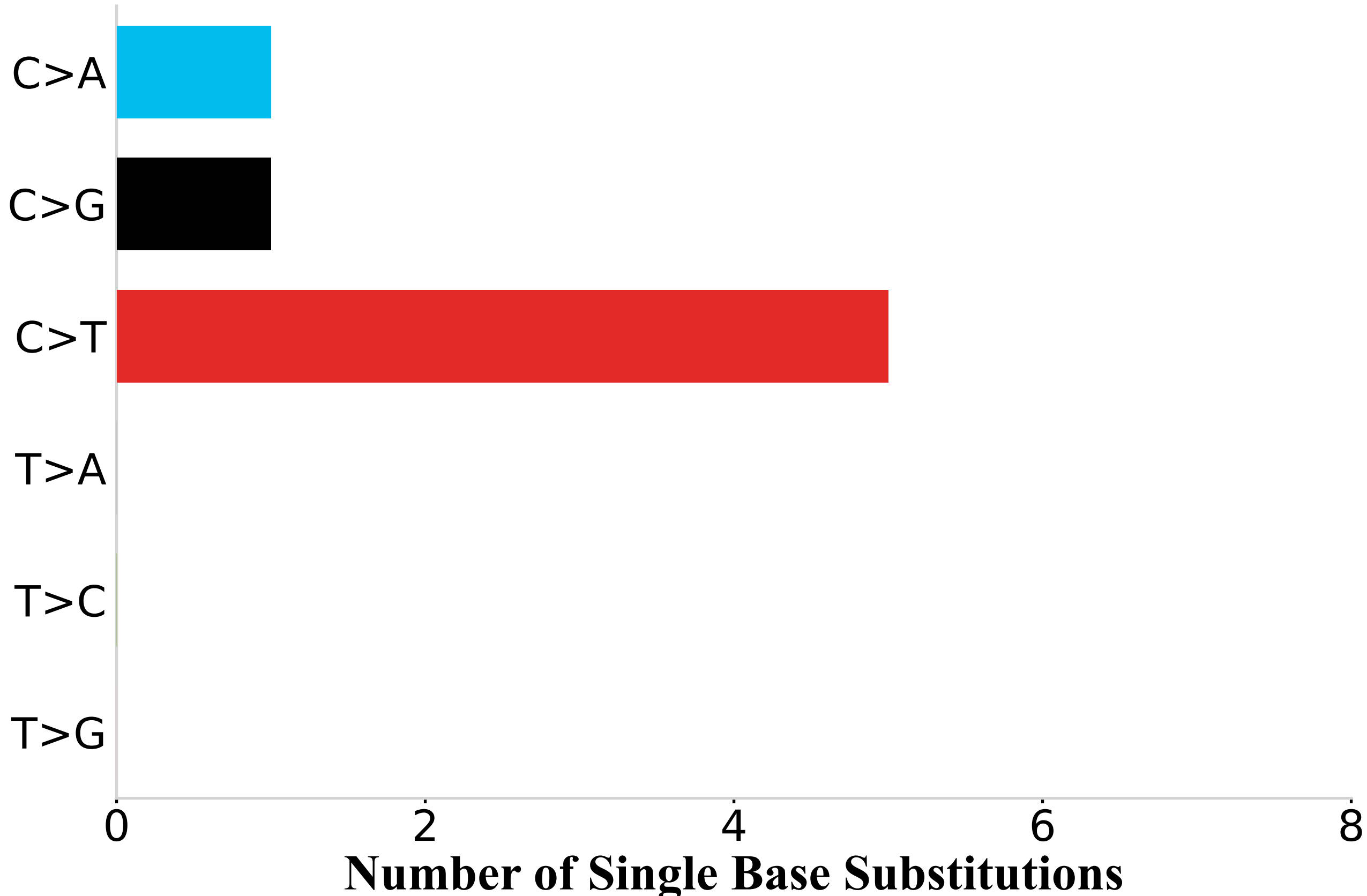
3

4

Number of Single Base Substitutions



P-0050431-T01-IM6: 7 subs



P-0050492-T01-IM6: 10 subs

