

[illegible]

| 5' | -3' | obs | |
|--|-------|-----|--------|
| | | exp | |
| uucaucaacacagaagggucaugaaaaauuggaagucuguuuagaaucacgaaucucaaaaaaucuaauuaaaugauacuuugagacucguaaaucuaaaaagacuuuguuu uucaucaacacagaagggucaugaaaaauuggaagucuguuuagaaucacgaaucucaaaaaaucuaauuaaaugauacuuugagacucguaaaucuaaaaagacuuuguuu (((((((((.....))))))....(((((((.....(((((((.....(((((((.....)))))))).)))))))).))))....))))))....))))))....)))))).... | reads | mm | sample |
|aaucacgaaucucaaaGaa..... | 3 | 1 | s08 |
|aaucacgaaucucaaaGaa..... | 3 | 1 | s08 |
|aucacgaaucucaaaGaa..... | 6 | 1 | s08 |
|gauacuuugagacucguU..... | 2 | 1 | s08 |
|gauacuuugagacucgua..... | 1 | 0 | s08 |
|gauacuuugagacucguaa..... | 5 | 0 | s08 |
|gauacuuugagGcucguaaa..... | 1 | 1 | s08 |
|gauacuuugagacucguaaC..... | 1 | 1 | s08 |
|gauacuuugagacucguaaa..... | 24 | 0 | s08 |
|gauacuuugagacucguaaaC..... | 1 | 1 | s08 |
|gauacuuugagacucguaaaU..... | 2 | 0 | s08 |
|gauacuuugagacucguaaaU..... | 1 | 1 | s08 |
|gauacuuugagacucguaaaUC..... | 1 | 1 | s08 |
|gauacuuugagacucguaaaUC..... | 1 | 0 | s08 |
|gauacuuugagacucgGa..... | 1 | 1 | s09 |
|gauacuuugagacucguaaaUC..... | 8 | 1 | s09 |
|gauacuuugagacucguaaaUCG..... | 2 | 1 | s09 |
|gauacuuugagacucguaaaUCa..... | 1 | 1 | s09 |
|uacuuugagacucguaaaUC..... | 5 | 1 | s09 |
|acuugagacucguaaaUC..... | 1 | 1 | s09 |
|gaaaauuggaagucuguuu..... | 1 | 0 | s07 |
|aaucacgaaucucaaaGaa..... | 2 | 1 | s07 |
|aaucacgaaucucaaaGaauc..... | 3 | 1 | s07 |
|aaucacgaaucucaaaGaauc..... | 1 | 1 | s07 |
|aaucacgaaucucaaaGaaucua..... | 1 | 1 | s07 |
|aucacgaaucucaaaGaa..... | 6 | 1 | s07 |
|agauacuuugagacucgu..... | 1 | 0 | s07 |
|gauacuuugagacucgGa..... | 1 | 1 | s07 |
|gauacuuugagacucgua..... | 3 | 0 | s07 |
|Aauacuuugagacucgua..... | 1 | 1 | s07 |
|gauacuuugagacucguaa..... | 1 | 0 | s07 |

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| | | | |
|---|----|---|-----|
|gauacuuugagacucguaC..... | 1 | 1 | s07 |
|gauacuuugagacucguaU..... | 1 | 1 | s07 |
|gauacuuugagacucguaaU..... | 2 | 1 | s07 |
|gauacuuugagacucguaaa..... | 1 | 0 | s07 |
|gauacuuugagacucguaaauc..... | 1 | 0 | s07 |
|gauacuuugagacucguaaaucu..... | 1 | 0 | s07 |
|gauacuuugagacucguaaaucA..... | 4 | 1 | s07 |
|gauacuuugagacucguaaaucuU..... | 1 | 1 | s07 |
| | | | |
|aaucacgaauucuaaaGaaucua..... | 2 | 1 | s06 |
|aaucacgaauucuaaaGaaucuaU..... | 1 | 1 | s06 |
|aucacgaauucuaaaGaaU..... | 2 | 1 | s06 |
|aucacgaauucuaaaGaaucua..... | 1 | 1 | s06 |
|aaauagauacuuugagacucguaaaucu..... | 1 | 0 | s06 |
|gauacuuugagacucgua..... | 1 | 0 | s06 |
|gauacuuugagacucguU..... | 2 | 1 | s06 |
|gauacuuugagacucguaU..... | 2 | 1 | s06 |
|gauacuuugagacucguaa..... | 2 | 0 | s06 |
|gauacuuugagacucguaaa..... | 11 | 0 | s06 |
|gauacuuugagacucguaaaA..... | 1 | 1 | s06 |
|gauacuuugagacucguaaauc..... | 1 | 0 | s06 |
|gauacuuugagacucguaaaucu..... | 2 | 0 | s06 |
|gauacuuugagacucguaaaucC..... | 3 | 1 | s06 |
|gauacuuugagacucguaaaucA..... | 3 | 1 | s06 |
|gauacuuugagacucguaaaucua..... | 1 | 0 | s06 |
|uacuuugagacucguaaaucA..... | 1 | 1 | s06 |
| | | | |
|aucacgaauucuaaaGaaU..... | 1 | 1 | s15 |
|uuaaaugauacuuugagacucguaaaucA..... | 1 | 1 | s15 |
|gauacuuugagacucguaaa..... | 6 | 0 | s15 |
|gauacuuugagacucguaGa..... | 1 | 1 | s15 |
|gauacuuugagacucguaaGu..... | 1 | 1 | s15 |
|gauacuuugagacucguaaaucA..... | 1 | 1 | s15 |
| | | | |
|aaucacgaauucuaaaGaaU..... | 3 | 1 | s16 |
|aucacgaauucuaaaGaaU..... | 1 | 1 | s16 |
|agauacuuugagaUucgu..... | 1 | 1 | s16 |
|gauacuuugagacucAua..... | 1 | 1 | s16 |
|gauacuuugagacucguU..... | 3 | 1 | s16 |
|gauacuuugagacucgua..... | 6 | 0 | s16 |
|gauacuuugagacucguaa..... | 8 | 0 | s16 |
|gauacuuugagacGcguaa..... | 1 | 1 | s16 |
|gauacuuugagacucguaC..... | 1 | 1 | s16 |
|gauacuuugagaUucguaaa..... | 1 | 1 | s16 |
|gauacuuugGgacucguaaa..... | 1 | 1 | s16 |
|gauacuuugagacucguaaU..... | 1 | 1 | s16 |
|gauacuuugagacucguaaa..... | 13 | 0 | s16 |
|gauacuCugagacucguaaa..... | 1 | 1 | s16 |
|gauacuuugagacucguaaaucA..... | 2 | 1 | s16 |
|gauacuuugagacucguaaaucC..... | 1 | 1 | s16 |
|gauacuuugagacucguaaaucuU..... | 1 | 1 | s16 |
|acuugagacucguaaaucA..... | 1 | 1 | s16 |
| | | | |
|aucacgaauucuaaaGaaU..... | 1 | 1 | s19 |
|aucacgaauucuaaaGaaucu..... | 1 | 1 | s19 |
|gauacuuugagacucguaa..... | 1 | 0 | s19 |
|gauacuuugagacucgCaaa..... | 1 | 1 | s19 |
|gauacuuugagacucguaaa..... | 2 | 0 | s19 |
|gauacuuugagacucguaaaucA..... | 2 | 1 | s19 |
| | | | |
|aucacgaauucuaaaGaaU..... | 1 | 1 | s14 |
|uuaaaugauacuuugagacucguaaauc..... | 1 | 0 | s14 |
|gauacuuugagacucguU..... | 4 | 1 | s14 |
|gauacuuugagacucguaa..... | 1 | 0 | s14 |
|gauacuuugagacucAuaaa..... | 1 | 1 | s14 |
|gauacuuugagacucguaaa..... | 12 | 0 | s14 |
|gauacuuugagacucguaaU..... | 1 | 1 | s14 |
|gauacuuugagacucguaaauc..... | 5 | 0 | s14 |
|gauacuuugagacucguaaaU..... | 2 | 1 | s14 |
|gauacuuugagacucguaaaucC..... | 1 | 1 | s14 |

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|---|----|---|-----|
| uucaucaacagaggucugaaaaauuggaagucuguuuagaaucacgaaucucaaaaaaucuauuaaaugauacuuugagacucguaaaaucuaaaaagacuuuguuu | | | |
|gauacuuugagacucguaaaauc..... | 6 | 0 | s14 |
|acuugagacucguaaaaA..... | 1 | 1 | s14 |
|gaaaauuggaagucuguuuag..... | 5 | 0 | s12 |
|aaaauuggaagucuguuu..... | 1 | 0 | s12 |
|aauggaagucuguuuag..... | 1 | 0 | s12 |
|auuggaagucuguuuaga..... | 2 | 0 | s12 |
|aaucacgaaucucaaaaGaauc..... | 4 | 1 | s12 |
|aaucacgaaucucaaaaGaaucua..... | 4 | 1 | s12 |
|aaucacgaaucucaaaaGaaucua..... | 2 | 1 | s12 |
|aucacgaaucucaaaaGaa..... | 2 | 1 | s12 |
|aucacgaaucucaaaaGaa..... | 6 | 1 | s12 |
|aucacgaaucucaaaaGaauc..... | 9 | 1 | s12 |
|aucacgaaucucaaaaGaaucua..... | 3 | 1 | s12 |
|gauacuuugagacucguG..... | 2 | 1 | s12 |
|gauacuuugagacucgua..... | 1 | 0 | s12 |
|gauacuuugagaUucgua..... | 2 | 1 | s12 |
|gauacuuugagacucguaa..... | 5 | 0 | s12 |
|gauacuuugagacucguaaa..... | 30 | 0 | s12 |
|gauacuuugagaUucguaaa..... | 1 | 1 | s12 |
|gauacuuugagacucguaaU..... | 3 | 1 | s12 |
|gauacuuugagacucguaaaC..... | 1 | 1 | s12 |
|gauacuuugagacucguaaa..... | 1 | 0 | s12 |
|gauacuuugagacucguaaauc..... | 2 | 0 | s12 |
|gauacuuugagacucguaaaucA..... | 3 | 1 | s12 |
|gauacuuugagacucguaaauc..... | 4 | 0 | s12 |
|gauacuuugagacucguaaaucC..... | 2 | 1 | s12 |
|gauacuuugagacucguaaaucuaUa..... | 1 | 1 | s12 |
|uacuuugagacucguaaaucA..... | 1 | 1 | s12 |
|aaucacgaaucucaaaaGaauc..... | 2 | 1 | s13 |
|aaucacgaaucucaaaaGaaucua..... | 1 | 1 | s13 |
|uuaaaugauacuuugagacucguaaauc..... | 1 | 0 | s13 |
|gauacuuugagaUucgua..... | 1 | 1 | s13 |
|gauacuuugagacucgua..... | 3 | 0 | s13 |
|gauacuuugagacucguU..... | 5 | 1 | s13 |
|gauacuuugagacucguU..... | 2 | 1 | s13 |
|gauacuuugagacucguaa..... | 4 | 0 | s13 |
|gauacuuugagacucguaaU..... | 2 | 1 | s13 |
|gauacuuugagacucguaaa..... | 13 | 0 | s13 |
|gauacuuugagacucguaaa..... | 1 | 0 | s13 |
|gauacuuugagacucguaaaA..... | 2 | 1 | s13 |
|gauacuuugagacucguaaauc..... | 4 | 0 | s13 |
|gauacuuugagacucguaaaucA..... | 5 | 1 | s13 |
|acuugagacucguaaaucA..... | 1 | 1 | s13 |
|cuuugagacucguaaauc..... | 1 | 0 | s13 |
|aaucacgaaucucaaaaGaa..... | 4 | 1 | s01 |
|aaucacgaaucucaaaaGaauc..... | 2 | 1 | s01 |
|aucacgaaucucaaaaGaa..... | 2 | 1 | s01 |
|aucacgaaucucaaaaGaa..... | 3 | 1 | s01 |
|ucacgaaucucaaaaGaauc..... | 1 | 1 | s01 |
|agauacuuugagacucgu..... | 1 | 0 | s01 |
|gauacuuugagacucgua..... | 4 | 0 | s01 |
|gauacuuugagacucguUa..... | 1 | 1 | s01 |
|gauacuuugagacucguaa..... | 1 | 0 | s01 |
|gauacuuugagacucguaaU..... | 1 | 1 | s01 |
|gauacuuugagacucguUaa..... | 1 | 1 | s01 |
|gauacuuugagacucgGaaa..... | 1 | 1 | s01 |
|gauacuuugagacucguaaa..... | 11 | 0 | s01 |
|gauacuuugagacucguaaa..... | 2 | 0 | s01 |
|gauacuuugagacucguaaaA..... | 1 | 1 | s01 |
|gauacuuugagacucguaaaucA..... | 1 | 1 | s01 |
|auacuuugagacucguaaa..... | 3 | 0 | s01 |
|aucacgaaucucaaaaGaa..... | 1 | 1 | s17 |
|gauacuuugagacucguaaaucAa..... | 1 | 1 | s17 |
|gauacuuugagaUucgua..... | 2 | 1 | s10 |
|aaucacgaaucucaaaaGaa..... | 1 | 1 | s11 |

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| | | | |
|------------------------------------|-----|---|-----|
|aaucacgaaucucuaaaGaa..... | 4 | 1 | s11 |
|gauacuuugagacucguaaa..... | 1 | 0 | s11 |
|gauacuuugagacucguaaauc..... | 1 | 0 | s11 |
|gauacuuugagacucguaaaucA..... | 1 | 1 | s11 |
|acuuugagacucguaaaucG..... | 1 | 1 | s11 |
|gaaaauuggaagucugCuua..... | 1 | 1 | s02 |
|aaaauuggaagucuguuu..... | 1 | 0 | s02 |
|aaaauuggaagucuguuua..... | 1 | 0 | s02 |
|aGaaauuggaagucuguuua..... | 1 | 1 | s02 |
|aaaauuggaagucuguuuag..... | 1 | 0 | s02 |
|aaauuggaagucuguuuag..... | 1 | 0 | s02 |
|aaucacgaaucucuaaaGaa..... | 4 | 1 | s02 |
|aaucacgaaucucuaaaGaauc..... | 2 | 1 | s02 |
|aaucacgaaucucuaaaGaaucua..... | 6 | 1 | s02 |
|aucacgaaucucuaaaGaa..... | 2 | 1 | s02 |
|aucacgaaucucuaaaGaa..... | 16 | 1 | s02 |
|aucacgaaucucuaaaGaauc..... | 11 | 1 | s02 |
|aucacgaaucucuaaaGaaucua..... | 3 | 1 | s02 |
|ucacgaaucucuaaaGaa..... | 2 | 1 | s02 |
|gauacuuugagacucguua..... | 11 | 0 | s02 |
|gauacuuugagacuUgua..... | 2 | 1 | s02 |
|gauacuuugagacucguua..... | 41 | 0 | s02 |
|gauacuuugagacucguauU..... | 1 | 1 | s02 |
|gauGcuuugagacucguua..... | 1 | 1 | s02 |
|gauacuuugagacAocguua..... | 1 | 1 | s02 |
|gauacAuugagacucguuaa..... | 1 | 1 | s02 |
|gauacuuugagacucguauUa..... | 1 | 1 | s02 |
|gauacuuugagGcucguuaa..... | 1 | 1 | s02 |
|gauacuuugagacuUguaa..... | 5 | 1 | s02 |
|gauacuuugagacucguaaG..... | 4 | 1 | s02 |
|gauacuuugagacCocguuaa..... | 3 | 1 | s02 |
|gauacuuugagacucguuaGa..... | 1 | 1 | s02 |
|gauacuuugagacucgGaaa..... | 1 | 1 | s02 |
|Uuaacuuugagacucguuaa..... | 1 | 1 | s02 |
|Auaacuuugagacucguuaa..... | 10 | 1 | s02 |
|gauacuuugagacucguaaU..... | 18 | 1 | s02 |
|gauacuuugagacAocguuaa..... | 1 | 1 | s02 |
|gauacuuugagacucguuaa..... | 263 | 0 | s02 |
|gauacuCugagacucguuaa..... | 1 | 1 | s02 |
|gauacuuugagacucUuaa..... | 1 | 1 | s02 |
|gaCacuugagacucguuaa..... | 2 | 1 | s02 |
|gauacuuugUgacucguuaa..... | 1 | 1 | s02 |
|gauacuuugagacucguuaaC..... | 3 | 1 | s02 |
|gauacuuugagacucguuaaA..... | 9 | 1 | s02 |
|gauacuuugagacucguuaaau..... | 12 | 0 | s02 |
|gauacuuugagacucguuaaG..... | 1 | 1 | s02 |
|gauacuuugagacucguuaaauU..... | 1 | 1 | s02 |
|gauacuuugagacuUguaaauc..... | 4 | 1 | s02 |
|gauacuuugagacucguuaaauC..... | 11 | 0 | s02 |
|gauacuuugagacucguuaaauC..... | 4 | 1 | s02 |
|gauacuuugagacucguuaaaucu..... | 9 | 0 | s02 |
|gauacuuugCgacucguuaaaucu..... | 2 | 1 | s02 |
|gauacuuugagacucguuaaauC..... | 33 | 1 | s02 |
|Auaacuuugagacucguuaaaucu..... | 1 | 1 | s02 |
|gauacuuugagacucguuaaauC..... | 1 | 1 | s02 |
|gauacuuugagacucguuaaauC..... | 2 | 0 | s02 |
|auacuuugagacucguuaaau..... | 1 | 0 | s02 |
|uacuuugagacucguuaaU..... | 1 | 1 | s02 |
|uacuuugagacucguuaaauC..... | 1 | 1 | s02 |
|uacuuugagacucguuaaaucu..... | 2 | 0 | s02 |
|acuuugagacucguuaaauC..... | 1 | 1 | s02 |
|gaaaauuggaagucuguuu..... | 2 | 0 | s05 |
|aaucacgaaucucuaaaGaa..... | 3 | 1 | s05 |
|aaucacgaaucucuaaaGaaucua..... | 2 | 1 | s05 |
|aucacgaaucucuaaaGaa..... | 4 | 1 | s05 |
|aucacgaaucucuaaaGaauc..... | 3 | 1 | s05 |
|aucacgaaucucuaaaGaaucua..... | 1 | 1 | s05 |
|ucacgaaucucuaaaGaa..... | 1 | 1 | s05 |

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| uucaucaacagaaggucaugaaaauuggaagucuguuuagaaucacgaaucucuaaaaaaucuaauuaaaugauacuuugagacucguaaaucuaaaaagacuuuguuu | | | |
|ucacgaaucucuaaaGaaucu..... | 1 | 1 | s05 |
|gauacuuugagacucguU..... | 2 | 1 | s05 |
|gauacuuugagacucgua..... | 2 | 0 | s05 |
|gauacuuugagacucguaU..... | 5 | 1 | s05 |
|gauacuuugagacucguaa..... | 3 | 0 | s05 |
|gauacuuugagacucguaC..... | 1 | 1 | s05 |
|gauacuuugagGcucguaaa..... | 1 | 1 | s05 |
|gauacCuugagacucguaaa..... | 1 | 1 | s05 |
|gauacuuugagacucguaaa..... | 26 | 0 | s05 |
|gauacuuugagacucguaaU..... | 2 | 1 | s05 |
|gauacuuugagacGcguaaa..... | 2 | 1 | s05 |
|gauacuuGgagacucguaaa..... | 1 | 1 | s05 |
|gauacuuugagacucguaaaA..... | 3 | 1 | s05 |
|gauacuuugagacucguaaaau..... | 3 | 0 | s05 |
|gauacuuugagacucguaaaucA..... | 7 | 1 | s05 |
|gauacuuugagacucguGaaucu..... | 3 | 1 | s05 |
|gauacuuugagacucguaaaacu..... | 1 | 0 | s05 |