



| 5'- | ccagcaucggcgcggaugagcucaggguuagagcacucugcccaauucaacuuaguggguuuuucgaauccaauucggaucuccuggccgaugcugugu | -3' | exp | |
|-----|---|-----|-------|-----|
| | .((((((((((((((((.....(((((((((.((((.(.....)))))))))).))))).))))))))).....)))))))))..... | | reads | mm |
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| | AAagcaucggUcgggauag..... | 1 | 3 | s35 |
| | ccagcGucggccAgggaugc..... | 1 | 2 | s35 |
| | AAagcaucggcgcggaugagU..... | 1 | 3 | s35 |
| | AcagcaucggcgcggauaAA..... | 1 | 3 | s35 |
| | Acagcaucggcgcggaugagc..... | 18 | 1 | s35 |
| | AAagcaucggcgcggaugagc..... | 11 | 2 | s35 |
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| | AAggaucggcgcggaugagc..... | 1 | 3 | s35 |
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| | AcagcaucggcgcggaugagcuU..... | 1 | 2 | s35 |
| | AAagcaucggUcggaugagcuc..... | 1 | 3 | s35 |
| | AcagcaucggUcggaugagcuca..... | 1 | 2 | s35 |
| | AcagcaucggcgcggaugagcucU..... | 2 | 2 | s35 |
| | Acagcaucggcgcggaugagcuca..... | 1 | 1 | s35 |
| | AcagcaucgAcgggaugagcucag..... | 1 | 2 | s35 |
| | AcagcaucggcgcggaugagcuUag..... | 1 | 2 | s35 |
| | AAagcaucgAcgggaugagcucag..... | 2 | 3 | s35 |
| | AcagcaucggcAgggaugagcucag..... | 1 | 2 | s35 |
| | Acagcaucggcgcgguagcucag..... | 1 | 2 | s35 |
| | AUagcaucggcgcggaugagcucag..... | 1 | 2 | s35 |
| | Acagcaucggcgcggaugagcucag..... | 31 | 1 | s35 |
| | AAagcaucggUcggaugagcucag..... | 14 | 3 | s35 |
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| | AAagcaucggcgcggaugagcucag..... | 29 | 2 | s35 |
| | AcagcaucggcAgggaugagcucagU..... | 1 | 3 | s35 |
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| | AcagcaucggcgcggaugagcucagUg..... | 8 | 2 | s35 |
| | ccagcaucggUcggaugagcucagUgg..... | 1 | 2 | s35 |
| | AcagcaucggccAgggaugagcucagUgg..... | 1 | 3 | s35 |
| | AcagcaucggcgcggaugagcucaUUgg..... | 1 | 3 | s35 |
| | AAagcaucggcgcggaugagcucagUgg..... | 7 | 3 | s35 |
| | AcagcaucggcgcggaugagcucagUgg..... | 10 | 2 | s35 |
| | AcagcaucggcgcggaugagcucagUggu..... | 18 | 2 | s35 |

| | | | |
|--|-----|---|-----|
| ccagcaucggccgggaugcucagggguuagagcaccucgccc aaaucaaccuuaguggguuucgaauc aaauccggaucgugcugugu | | | |
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| AcagcaucggccgggaugcucUagUgggu..... | 3 | 3 | s35 |
| AcagcaucggUcgggaugcucagUgggu..... | 1 | 3 | s35 |
| ccagcaucggUcgggaugcucagUgggu..... | 1 | 2 | s35 |
| AGagcaucggccgggaugcucagUgggu..... | 1 | 3 | s35 |
| AcagcaucggccgggaugcucUagUgggu..... | 7 | 3 | s35 |
| AAagcaucggccgggaugcucagUgggu..... | 36 | 3 | s35 |
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| AUagcaucggccgggaugcucagUgggu..... | 1 | 3 | s35 |
| GcagcaucggccgggaugcucagUgggu..... | 1 | 2 | s35 |
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| AcagcaucUgcgggaugcucagUgggu..... | 1 | 3 | s35 |
| ccagcaucggccgggaugcucagUgggu..... | 1 | 1 | s35 |
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| AcagcaucggccgggaugcucagUggguu..... | 47 | 2 | s35 |
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| .AagcaucggccgggaugU..... | 1 | 2 | s35 |
| .cagcaucggccgggaugc..... | 2 | 0 | s35 |
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| .AagcaucggUgggaugcucag..... | 1 | 2 | s35 |
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| .AagcaucUgcgggaugcucag..... | 1 | 2 | s35 |
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| .AagcaucggUcgggaugcucag..... | 29 | 2 | s35 |
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| .AagcaucgAccgggaugcucag..... | 3 | 2 | s35 |
| .AagcaucggccAggaugcucag..... | 6 | 2 | s35 |
| .AagcaucggccggAUagcucag..... | 1 | 2 | s35 |
| .cagcaucggccggCAuagcucag..... | 1 | 1 | s35 |
| .AagcaucggccgggaugcucGg..... | 1 | 2 | s35 |
| .AAUcaucggccgggaugcuAag..... | 2 | 3 | s35 |

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|--|-----|---|-----|
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| .AaAcaucggccgggaugcuUag | 3 | 3 | s35 |
| .AagcaucgCcgggaugcucag | 1 | 2 | s35 |
| .AaAcaucggccgggaugcuAag | 1 | 3 | s35 |
| .ACgcaucggccgggaugcucag | 1 | 2 | s35 |
| .AagcaucggAegggauagcucag | 1 | 2 | s35 |
| .Aagcaucggccgggaugcucag | 285 | 1 | s35 |
| .AagcaucggUcgggaugcucagU | 4 | 3 | s35 |
| .AagcaucggccgggaugcucagU | 20 | 2 | s35 |
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| .AagcaucggccgggaugcuUagU | 2 | 3 | s35 |
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| .cagcaucggccgggaugcucagUgg | 6 | 1 | s35 |
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| .AagcaucggccgggaugcucalUgg | 8 | 3 | s35 |
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| .cagcaucggccgggaugcucagUgg | 3 | 1 | s35 |

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| .cagcaucggUcggggaugcucagUgguuuA..... | 1 | 2 | s35 |
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| .agcaucggUcggggaugcucagUgg..... | 1 | 2 | s35 |
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| .agAaucggccAgggaugcucagUgg..... | 1 | 3 | s35 |

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|---|----|---|-----|
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| . . agcaucggccgggaugcucagUgggu | 8 | 1 | s35 |
| . . aUcaucggccgggaugcucagUgggu | 1 | 2 | s35 |
| . . agcaucggccgggaugcucagUggC | 1 | 2 | s35 |
| . . aAcaucggccgggaugcuUagUgggu | 1 | 3 | s35 |
| . . agcaucggccgggaugcuUagUgggu | 1 | 2 | s35 |
| . . agcaucggccAgggaugcucagUggguu | 1 | 2 | s35 |
| . . agcaucggccgggaugcucagUggguu | 5 | 1 | s35 |
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| . . agcaucgAccgggaugcuUagUggguua | 1 | 3 | s35 |
| . . agcaucggUcgggaugcucagUggguua | 2 | 2 | s35 |
| . . agcaucggccgggaugcuUagUggguua | 1 | 2 | s35 |
| . . agcaucggccgggaugcuUagUggguua | 1 | 2 | s35 |
| . . agcaucggccgggaugcucagUgAuuU | 1 | 3 | s35 |
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| . . aUcaucggccgggaugcucagUggguua | 2 | 2 | s35 |
| . . agcaucggccgggaugcucagUggguua | 14 | 1 | s35 |
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| . . agcaucggccgggaugcuUagUggCuag | 1 | 3 | s35 |
| . . agcaucggccAgggaugcucagUggguuag | 1 | 2 | s35 |
| . . aUcaucggccgggaugcucagUggguuag | 5 | 2 | s35 |
| . . agcaucggccgggaugcuUagUggguuag | 3 | 2 | s35 |
| . . agcaucggccgggaugcucagUggguuaA | 1 | 2 | s35 |
| . . agcaucggccgggaugcucagUggguuaC | 9 | 2 | s35 |
| . . agcaucggUcgggaugcucagUggguuag | 2 | 2 | s35 |
| . . agcaucggccgggaugcucagUggguuag | 28 | 1 | s35 |
| . . agcaCcgccgggauaUcucagUggguuag | 1 | 3 | s35 |
| . . agcaucggccgggaCagcucagUggguuag | 1 | 2 | s35 |
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| . . aAcaucggccgggaugcuUagUggguuag | 4 | 3 | s35 |
| . . agcCucggccgggaugcucagUggguuaC | 1 | 3 | s35 |
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| . . aUcaucggccgggCuagcucagUggguuag | 1 | 3 | s35 |
| . . agcaCcgccgggaugcucagUggguuaga | 1 | 2 | s35 |
| . . aUcaucggccgggaugcuUagUggguuaga | 1 | 3 | s35 |
| . . agcaucggccgggauaAacucagUgguuaga | 10 | 3 | s35 |
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| . . agcaucggccgggaugcucagUggguuaga | 91 | 1 | s35 |
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| . . aAcaucggccgggaugcuUagUggguuaga | 4 | 3 | s35 |
| . . agcaucggccgggaugcucagUggguuagC | 22 | 2 | s35 |
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| . . agcaucggccgggaugcuUagUggguuaga | 3 | 2 | s35 |
| . . agAaucggccgggaugcucagUggguuaga | 2 | 2 | s35 |
| . . aAcaucggUcgggaugcucagUggguuaga | 3 | 3 | s35 |
| . . aUcaucggccgggaugcuUagUggguuaga | 8 | 3 | s35 |
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| . . agcaucggccAgggaugcAcagUggguuaga | 1 | 3 | s35 |
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| ...ACucggccgggaugacuuUag..... | 1 | 3 | s35 |
| ...AaucggccgggaugacuuUag..... | 22 | 2 | s35 |
| ...caucggUcgggaugacucag..... | 1 | 1 | s35 |
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|aaucgaaucgAgccgaugcuguU. | 2 | 2 | s35 |
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|aaucgaaucGaggccgaugUugugu | 1 | 3 | s35 |
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| .AagcaucgCccgggaugcucagUgg..... | 1 | 3 | s52 |
| .AagcaucggccAGgaugcucagUgg..... | 11 | 3 | s52 |

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| .AagcaucggccgggaugacucagUggAua | | 1 | 3 | s52 |
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| .Aagcaucggccgggaugacucagggguua | | 1 | 1 | s52 |
| .cagcaucggccgggaugacucagUggguua | | 3 | 1 | s52 |
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| .AagcaucggccgggaAaAcucagUggguua | | 1 | 3 | s52 |
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| .AagcaucggccgggaugacucagUgguuAa | | 3 | 3 | s52 |
| .AagcauUggccgggaugacucagUgguuag | | 1 | 3 | s52 |
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| . . agcaucggUcgggaugcucag | 1 | 1 | s52 |
| . . agcaucggccgggaugcuUag | 6 | 1 | s52 |
| . . agcaucggccgggaACgcucag | 1 | 2 | s52 |
| . . agcaucggccgggaugcucag | 46 | 0 | s52 |
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| . . agcaucggUggAauagcucag | 1 | 3 | s52 |
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| . . aUcaucggccgggaugcucag | 2 | 1 | s52 |
| . . agcaucggccgggaugcuAagU | 1 | 2 | s52 |
| . . agcaucggccgggaugcucagU | 7 | 1 | s52 |
| . . agcaucggccgggaugcucagUg | 5 | 1 | s52 |
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| . . CgcaucggccgggaugcucagUg | 1 | 2 | s52 |
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| . . agcaucggccgggaugcucagUgg | 4 | 1 | s52 |
| . . agcaucggcAgggaaugcucagUgg | 1 | 2 | s52 |
| . . agcaucggccgggaugcuUagUgg | 1 | 2 | s52 |
| . . agcaucggccgggaugcucagUgg | 11 | 1 | s52 |
| . . agcaucggccgggaugcucagUggC | 1 | 2 | s52 |
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| . . agcaucggcAgAgaugcucagUgg | 1 | 3 | s52 |
| . . agcaucggccgggaugcuAaUgg | 1 | 2 | s52 |
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| . . agcaucggccgggaugcucagUgg | 1 | 2 | s52 |
| . . agcaucggccgggaugcucagUgg | 20 | 1 | s52 |
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| . . agcaucggccgggaugcuUagUggCu | 1 | 3 | s52 |
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| . . agcaucggccgggaugcucagUgg | 51 | 1 | s52 |
| . . aAcaucggccgggaugcuUagUgg | 13 | 3 | s52 |
| . . agcaucggccgggaugcuAaUgg | 5 | 2 | s52 |
| . . agcaUggccgggaugcucagUgg | 1 | 2 | s52 |
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| . . agcaucggccgggaugcuAaUgg | 5 | 2 | s52 |
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| ..gcaucggccAggaugcucagUgguuaga..... | 2 | 2 | s52 |

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| ...AaucggccgggaugacuAagUgguuagag..... | 4 | 3 | s52 |
| ...AaucggccgggaCagcucagUgguuagag..... | 8 | 3 | s52 |
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|---|-----|---|-----|
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|Acgaauccuggcgaugcugugu | 5 | 1 | s52 |
|AcgaauGcuggUcgaugcugugu | 1 | 3 | s52 |
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|AgauuGAuggccgaugcugug. | 1 | 3 | s52 |
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| . . .AUaucggccgggaugcucag. | 1 | 2 | s13 |
| . . .AcaucggccgggaugcAacag. | 1 | 2 | s13 |
| . . .Acaucggccgggaugcucag. | 6 | 1 | s13 |
| . . .gcaucggccAaggaugcucag. | 1 | 1 | s13 |
| . . .gcaucggccgggaugcucagUg. | 1 | 1 | s13 |
| . . .AcaucggccgggaugcuAagUg. | 1 | 3 | s13 |
| . . .gcaucggccgggaugcucagUgg. | 1 | 1 | s13 |
| . . .gcaucggUUGgggaugcucagUgg. | 1 | 3 | s13 |
| . . .gcaucggccgggaugcucagUgg. | 1 | 1 | s13 |
| . . .gcaucggccgggaugcucagUggCu. | 1 | 2 | s13 |
| . . .gcaucggccgggaugcucagUggAC. | 1 | 3 | s13 |
| . . .gcaucggccgggaugcucagUgguu. | 1 | 1 | s13 |
| . . .AcaucggccgggaugcucagUgguuU. | 2 | 3 | s13 |
| . . .gcaucggccgggaugcuACgUgguuuag. | 1 | 3 | s13 |
| . . .AcaucggccgggaugcuUagUgguuuag. | 1 | 3 | s13 |
| . . .gcaucggccAaggaugcucagUgguuuag. | 1 | 2 | s13 |
| . . .gcaucggccgggaugcucagUgguuuag. | 2 | 1 | s13 |
| . . .AcaucggccgggaugcucagUgguuuag. | 1 | 2 | s13 |
| . . .UcaucggccgggaugcucagUgguuuag. | 2 | 2 | s13 |
| . . .AcaucggccgggaugcucagUggCuaga. | 2 | 3 | s13 |
| . . .AUaucggccgggaugcucagUgguuuaga. | 1 | 3 | s13 |
| . . .AcaucggcAggggaugcucagUgguuuaga. | 1 | 3 | s13 |
| . . .gcaucgAccgggaugcucagUgUuaga. | 1 | 3 | s13 |
| . . .UcaucggccgggaugcucagUgguuuaga. | 1 | 2 | s13 |

ccagcaucggccgggaugcucagggguuagagcaccucgccc aaaucaaccuuaguggguuucgaauccaaauccggaucuccuggccgaugcugugu

| | | | |
|--|----|---|-----|
| ...UcaucggccgggaugcuaAgUgguuaga..... | 1 | 3 | s13 |
| ...gcaucggccgggaugcucagUgguuaga..... | 3 | 1 | s13 |
| ...AcaucggccgggaugcucagUgguuaga..... | 7 | 2 | s13 |
| ...AcaucggccgggaugcucagUggAuaaga..... | 1 | 3 | s13 |
| ...AcaucggccAgggaugcucagUgguuaga..... | 2 | 3 | s13 |
| ...AcaucggccgggaugcuaAgUgguuaga..... | 2 | 3 | s13 |
| ...AcaucggccgggaugcucagUgguuagag..... | 3 | 2 | s13 |
| ...AcauUggccgggaugcucagUgguuagag..... | 1 | 3 | s13 |
| ...caucggccgggaCagcuc..... | 1 | 1 | s13 |
| ...AaucggccgggaugcuaUG..... | 2 | 3 | s13 |
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| ...AaucggcGgggaugcucag..... | 1 | 2 | s13 |
| ...AaucggccgAgauagcuaUag..... | 1 | 3 | s13 |
| ...AaucggcAgggaugcuaUag..... | 1 | 3 | s13 |
| ...AaucggccgggaCagcucag..... | 1 | 2 | s13 |
| ...AauUAgccgggaugcucag..... | 2 | 3 | s13 |
| ...AaucggccAgggaugcucag..... | 1 | 2 | s13 |
| ...AaucggccgggCuagcuaUag..... | 1 | 3 | s13 |
| ...AaucggccgggaugcuaAag..... | 7 | 2 | s13 |
| ...Aaucggccgggaugcucag..... | 46 | 1 | s13 |
| ...AaucggccgggaugcuaUag..... | 21 | 2 | s13 |
| ...ACucggccgggaugcucag..... | 1 | 2 | s13 |
| ...ACucggccgggaugcuaUag..... | 1 | 3 | s13 |
| ...caucggccgggaugcucag..... | 5 | 0 | s13 |
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| ...AaucggccgggaugcucagUgguuag..... | 5 | 2 | s13 |
| ...caucggccgggaugcucagUgguuA..... | 1 | 2 | s13 |
| ...AaucggccgggaugcucagUgguuagC..... | 1 | 3 | s13 |
| ...AaucggccAgggaugcucagUgguuaga..... | 1 | 3 | s13 |
| ...AaucggccgggaugcucagUgguuaga..... | 8 | 2 | s13 |
| ...caucggccgggaugcucagUgguuaga..... | 4 | 1 | s13 |
| ...AaucggccgggaugcuaUagUgguuaga..... | 1 | 3 | s13 |
| ...caucggccgggaAaAcucagUgguuaga..... | 1 | 3 | s13 |
| ...AaucggccgggaugcuaUagUgguuagag..... | 4 | 3 | s13 |
| ...AaucggccgggaugcuaAagUgguuagag..... | 1 | 3 | s13 |
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| ...AaucggccgggaugcucagUgguuagCg..... | 1 | 3 | s13 |
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| ...AaucggcUgggaugcucagUgguuagagc..... | 15 | 3 | s13 |
| ...ACucggccgggaugcucagUgguuagagc..... | 3 | 3 | s13 |
| ...AaucggccgggaugcucaAUGuuuagagc..... | 2 | 3 | s13 |

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|---|-----|---|-----|
| ccagcaucggccgggaugcucagggguuagagcaccucgcgccaaaucaaccuuaguggguuucgaauccaaucgauuccuggccgaugcugugu | | | |
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| ...AaucggccgggaugcucagUggguuAagc..... | 3 | 3 | s13 |
| ...caucggccgggaugcucagUggguuagagc..... | 1 | 1 | s13 |
| ...AaucggccgggaugcAacagUggguuagagc..... | 9 | 3 | s13 |
| ...AaucggccgggaugcucagUggguuagagA..... | 1 | 3 | s13 |
| ...caucggUcgggaugcucagUggguuagagA..... | 1 | 3 | s13 |
| ...AaucggccgggaugcucUgUggguuagagc..... | 4 | 3 | s13 |
| ...AaucAgccgggaugcucagUggguuagagc..... | 1 | 3 | s13 |
| ...AaucggccgggaugcucagUggguuagagU..... | 15 | 3 | s13 |
| ...AaucggccgggaugcUagUggguuagagc..... | 259 | 3 | s13 |
| ...AaucggccgggaugcucaUggguuagagc..... | 1 | 3 | s13 |
| ...caucggccgggaugcUagUggguuagagc..... | 1 | 3 | s13 |
| ...AaucggccgggaugcuAagUggguuagagc..... | 95 | 3 | s13 |
| ...AaucggccgggaugUucagUggguuagagc..... | 5 | 3 | s13 |
| ...AaucggccgggaugGucagUggguuagagc..... | 2 | 3 | s13 |
| ...AaucggccgggaugcucagUggguuagagc..... | 158 | 2 | s13 |
| ...AaucggccgggaugcucagUggguuagaAc..... | 8 | 3 | s13 |
| ...AaucggccgggaucAucagUggguuagagc..... | 1 | 3 | s13 |
| ...AaucggccgggaugcucagUggguuagCgc..... | 39 | 3 | s13 |
| ...AaucggccgggaugcucagUggguuacagc..... | 58 | 3 | s13 |
| ...AaucggccgggaugcucagUggguuagaUc..... | 62 | 3 | s13 |
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| ...aucggUcgggaugcucag..... | 2 | 1 | s13 |
| ...aucggccgggaugcuUag..... | 22 | 1 | s13 |
| ...aucggccgggaugcucag..... | 31 | 0 | s13 |
| ...aucggAcgggaugcucag..... | 1 | 1 | s13 |
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| ...aCggccgggaugcucag..... | 1 | 1 | s13 |
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| ...aucggcAgggauagcuUag..... | 2 | 2 | s13 |
| ...aucggccgggaugcucagU..... | 1 | 1 | s13 |
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| ...aucggccgggaugcucagUgg..... | 1 | 1 | s13 |
| ...aucggccgggaugcuAagUgggu..... | 1 | 2 | s13 |
| ...aucggccgggaugcucagUgggu..... | 3 | 1 | s13 |
| ...aucggccgggaugcuUagUgggu..... | 2 | 2 | s13 |
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| ...aucggccgggaugcucagUgggu..... | 4 | 1 | s13 |
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| ...aucggccgggaugcucagUggguuag..... | 5 | 1 | s13 |
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| ...aucggccgggaugcucagUggguuagCac..... | 5 | 3 | s13 |
| ...aucggccAggaugcuUagUggguuagagc..... | 2 | 3 | s13 |
| ...aucggccgggaugcucagUggguuacagc..... | 18 | 2 | s13 |
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| ...aucggccAggaugcucagUggguuagagc..... | 1 | 2 | s13 |
| ...aucggccgggaugcuAagUggguuagagc..... | 31 | 2 | s13 |
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| ...aucggccgggaugcuAagUggguuagaAc..... | 1 | 3 | s13 |

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|--|-------------------|------------------------------|--------|------------|------------------|--|--|--|
| ccagcaucggccgggaugacucagg | ggguuagagcaccucgc | cccauucaaccuuaguggguuucgaauc | caaacg | auuccggauc | ccuggcgaugcugugu | | | |
|aucggccgggaugacucagUggguuagaUc..... | 62 | 2 | s13 | | | | | |
|aucggccgggaugacucagCggguuagagc..... | 2 | 1 | s13 | | | | | |
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|aucggccgggaugacucUagUggguuagagc..... | 202 | 2 | s13 | | | | | |
|aucggccgggaugacucGgUggguuagagc..... | 2 | 2 | s13 | | | | | |
|aucggccgggaugacucagUggguuagagc..... | 61 | 1 | s13 | | | | | |
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|aucAgccgggaugacucUagUggguuagagc..... | 3 | 3 | s13 | | | | | |
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|aucggccgggaugagGucagUggguuagagc..... | 4 | 2 | s13 | | | | | |
|aucggccgggaugacucagUggguuagagc..... | 15 | 2 | s13 | | | | | |
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|aucggccgggaugacucagUggguuagagA..... | 2 | 2 | s13 | | | | | |
|aucggccgggaugacucAaCgUggguuagagc..... | 1 | 3 | s13 | | | | | |
|aucggcUgggaugacucagUggguuagagc..... | 2 | 2 | s13 | | | | | |
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|aucggccgggaugacucagUggCuagaAca..... | 1 | 3 | s13 | | | | | |
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|aucggccgggaugacucagUggguuagaUca..... | 20 | 2 | s13 | | | | | |
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|aucggccgggaugacucUagUggguuagagca..... | 11 | 2 | s13 | | | | | |
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|aucggccgggaugacucUagUggguuagagUa..... | 1 | 3 | s13 | | | | | |
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|aucggccgggaugacucagUggguuagagCgca..... | 2 | 2 | s13 | | | | | |
|auUggccgggaugacucagUggguuagaUca..... | 1 | 3 | s13 | | | | | |
|aucggcAggggaugacucagUggguuagagUa..... | 1 | 3 | s13 | | | | | |
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|aucggccgggaugacucagUggguuagagca..... | 8 | 1 | s13 | | | | | |
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|aucggccgggaugacucaUggguuagagGa..... | 4 | 3 | s13 | | | | | |
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|ucggccgggCuagcUaagUggguuagagc..... | 1 | 3 | s13 | | | | | |
|ucggccgggaugacucagUggguuagagc..... | 2 | 2 | s13 | | | | | |
|ucggccgggaugacucagUggguuagaUc..... | 6 | 2 | s13 | | | | | |
|ucggccgggaugacAcagUggguuagagc..... | 1 | 3 | s13 | | | | | |
|AcggccgggaugacUaagUggguuagagc..... | 2 | 3 | s13 | | | | | |
|ucggccgggaugacAcagUggguuagagc..... | 1 | 2 | s13 | | | | | |
|AcggccgggaugacucagUggguuagaUc..... | 3 | 3 | s13 | | | | | |
|ucggccgggaugacucagUggguuagCUC..... | 1 | 3 | s13 | | | | | |

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|---|----|---|-----|
| ccagcaucggccgggaugcucagggguuagagcaccucgcccacaaaucaaccuuaguggguuucgaaucacaaucgauuccuggccgaugcugugu | | | |
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|ucggUcgggaugcucagUggguuagagc..... | 1 | 2 | s13 |
|ucggccgggaugcucUagUggguuagagc..... | 11 | 2 | s13 |
|ucggccgggaugcucUagUggguuagagc..... | 3 | 2 | s13 |
|ucggccgggaugcucagUggguuagagc..... | 5 | 1 | s13 |
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|AgggccgggaugcucagUgggu..... | 2 | 2 | s13 |
|AgggccgggaugcucagUggguu..... | 1 | 2 | s13 |
|AgggccgggaugcucagUggguuag..... | 3 | 2 | s13 |
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|cgggccgggaucGgcucagUggguuaga..... | 1 | 2 | s13 |
|AgggccgggaugcucagUggguuaga..... | 1 | 2 | s13 |
|cgggccgggaugcucagUggguuagag..... | 1 | 1 | s13 |
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|AgggccgggaugcucUagUggguuagagc..... | 1 | 3 | s13 |
|cgggccgggaugcucagUggguuagagc..... | 1 | 1 | s13 |
|AgggccgggaugcucagUggguuagaUc..... | 2 | 3 | s13 |
|cgggccgggaugcucUagUggCuagagc..... | 1 | 3 | s13 |
|cgggccgggaugcucCgUggguuagaUca..... | 1 | 3 | s13 |
|cgggccgggaugcucUagUggguuagagcac..... | 1 | 2 | s13 |
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|AgcccgCgaugcucagUg..... | 12 | 3 | s13 |
|AgccgggaugcucagUUG..... | 1 | 3 | s13 |
|AgccgggaugcucagUgg..... | 1 | 2 | s13 |
|AaccgggaugcucagUggguuag..... | 1 | 3 | s13 |
|AgccgggaugcucagUggguuaga..... | 4 | 2 | s13 |
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|AgccgggaugcucagUggCuaga..... | 1 | 3 | s13 |
|AgccgggaugcucagUggguuagagc..... | 1 | 2 | s13 |
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|auagcucagUggguuagagc..... | 1 | 1 | s13 | | |
|auagcucagUCgGuagagc..... | 8 | 3 | s13 | | |
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|auagGucagggguuagagca..... | 2 | 1 | s13 | | |
|auagcucagUCgGuagagca..... | 1 | 3 | s13 | | |
|auagcucagUUGGuagagcac..... | 2 | 3 | s13 | | |
|auagcucagUggguuagagcaUcCcg..... | 1 | 3 | s13 | | |
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|ccaaaucgCCuccuggccgUugcugug..... | 1 | 3 | s13 | | |

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|AaaaucgauuUcuggccgaugcuUu.. | 1 | 3 | s13 |
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|AcgauuccuUgccgaugcugugu | 1 | 2 | s13 |
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|AgauuccuggUcgauugcugug. | 1 | 2 | s13 |
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|AgauuccCggcAgaugcugugu | 1 | 3 | s13 |
|AgauuccuggGcgUugcugugu | 3 | 3 | s13 |
|cgaauucGAggccgaugUugugu | 1 | 3 | s13 |
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|gaAuccuggAcgaugcugu.. | 1 | 2 | s13 |
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| | .auucGuggcUgaugUugugu | 1 | 3 | s13 |
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| AAagcaucggccgggaua..... | | 1 | 2 | s60 |
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| .Aagcaucggccggggaugcuc..... | 4 | 1 | s60 |
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| .cagcaucgAccggggaugcucagUggguA..... | 1 | 3 | s60 |

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| .AagcaucggccgggGuagcucagUgguu..... | 2 | 3 | s60 |
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| .AagcaucggUcgggaugcucagUgguu..... | 5 | 3 | s60 |
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| .AagcaucggccAgggaugcucagUgguuag..... | 11 | 3 | s60 |
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| .AagcaucggccgggaCagcucagUgguuag..... | 5 | 3 | s60 |
| .AagcaucggccgggaugcuUgUgguuag..... | 6 | 3 | s60 |
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| ..agAaucggccgggaugcucag..... | 1 | 1 | s60 |
| ..aUcaucggccgggaugcuAag..... | 3 | 2 | s60 |
| ..aAcaucggccgggaugcuUag..... | 6 | 2 | s60 |

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| . . agcaucggccgggGuagcucag | 4 | 1 | s60 |
| . . agcaucggccgggaCagcucag | 2 | 1 | s60 |
| . . agcaucggccgggaugcucag | 68 | 0 | s60 |
| . . agcaucggccgggaugcucaC | 1 | 1 | s60 |
| . . agcaucggccgggaugcucaU | 1 | 1 | s60 |
| . . agcaucggccgggaGagcucag | 1 | 1 | s60 |
| . . aUcaucggccgggaugcucag | 4 | 1 | s60 |
| . . agcaucggUcggACuagcucag | 1 | 3 | s60 |
| . . agcaucggccgggaugcucagU | 3 | 1 | s60 |
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| . . agcaucggccgggaugcucagUg | 3 | 1 | s60 |
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| . . agcaucggccgggaugcucagUgg | 6 | 1 | s60 |
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| . . agcaucggccAggaugcucagUgggu | 1 | 2 | s60 |
| . . aUcaucggccgggaugcuAagUgggu | 1 | 3 | s60 |
| . . agcaucggccgggaugcucagUgggu | 12 | 1 | s60 |
| . . agcaucggccgggaugcucagUggguu | 5 | 1 | s60 |
| . . agcaucggccgggaugcuAagUggguA | 1 | 3 | s60 |
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| . . agcaucggccgggaUcucagUggguua | 1 | 2 | s60 |
| . . agcaucggccgggaugcucagUggguua | 6 | 1 | s60 |
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| . . agcaucggccgggaugcucaCUggguuag | 1 | 2 | s60 |
| . . agcaucggUcgggaugcuUagUggguuag | 1 | 3 | s60 |
| . . agcaucggccgggaugcucagUggguuag | 14 | 1 | s60 |
| . . agcaucggccgggaugcucagUggguuaC | 3 | 2 | s60 |
| . . agcaucggccgggGuagcucagUggguuag | 1 | 2 | s60 |
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| . . agcaucggccgggaugcuUagUggguuag | 4 | 2 | s60 |
| . . agcaucggccgggaUcucagUggguuaC | 1 | 3 | s60 |
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| . . aAcaucggccgggaugcuUagUggguuag | 4 | 3 | s60 |
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| . . agcaucggccAggaugcucagUgAuuaga | 2 | 3 | s60 |
| . . agcaucggcAgggauagcucagUggguuaga | 1 | 2 | s60 |
| . . agcaucggccgggaugcucaAUggguuaga | 1 | 2 | s60 |
| . . agcaucggccgggGuagcucagUggguuagC | 2 | 3 | s60 |
| . . agcaucggccgggaugcucCgUggguuaga | 1 | 2 | s60 |
| . . agcaucggccAggaugcuUagUggguuaga | 2 | 3 | s60 |
| . . aAcaucggccgggaugcuUagUggguuaga | 6 | 3 | s60 |
| . . agcaucggccgggaugcuUagUggguuagC | 1 | 3 | s60 |
| . . agcaucggccgggaUcucagUggguuaga | 2 | 2 | s60 |
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| . . agcaucggccgggaugcuAagUggguuaga | 2 | 3 | s60 |
| . . agcaUggccgggaugcucagUggguuaga | 1 | 2 | s60 |
| . . agcaucggccgggaUcucagUggguuaga | 4 | 3 | s60 |
| . . agcaucggccgggaugcucaCUggguuaga | 4 | 2 | s60 |
| . . agcaucggccAggaugcucagUggguuaga | 7 | 2 | s60 |
| . . agcaucggccgggaugcucagUggguuaga | 48 | 1 | s60 |
| . . agcaucggccgggaugcuUagUggguuaga | 13 | 2 | s60 |
| . . agcaucgAccgggaugcucagUgAuuaga | 1 | 3 | s60 |

ccagcaucggccgggaugcucagggguuagagcaccucgccc aaaucaaccuuaguggguuucgaauccaaauccggaucuccuggccgaugcugugu

| | | | |
|--|----|---|-----|
| .aUcaucggccgggaugcucagUggguuaga..... | 9 | 2 | s60 |
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| .agcaucggccgggaugcucagUggguuaga..... | 1 | 2 | s60 |
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| .aAcaucggccgggaugcuAagUggguuaga..... | 3 | 3 | s60 |
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| .agAaucggccAggaugcucagUggguuaga..... | 4 | 3 | s60 |
| .agcaucggccgggGuagcucagUggguuaga..... | 1 | 2 | s60 |
| .agcaucggccgggaugcucagUggguuagC..... | 10 | 2 | s60 |
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| .agcaucggccgggCuagcucagUggguuaga..... | 1 | 2 | s60 |
| .agcaucggccgggaugcucagUggCuaga..... | 25 | 2 | s60 |
| .agcaucggccAggaugcucacUggguuaga..... | 1 | 3 | s60 |
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| ..Acaucggccgggaugcuc..... | 1 | 1 | s60 |
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| ..Acaucggccgggaugcucag..... | 7 | 1 | s60 |
| ...gcaucggccgggaugcuUag..... | 3 | 1 | s60 |
| ..Ucaucggccgggaugcucag..... | 1 | 1 | s60 |
| ..AcaucggccgggaugcuUag..... | 5 | 2 | s60 |
| ..AcaucggccgggaugcuAag..... | 1 | 2 | s60 |
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| ...gcaucggccgggaugcuUcagUggguuaga..... | 1 | 2 | s60 |
| ..UcaucggccgggGuagcucagUggguuaga..... | 1 | 3 | s60 |
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| ...AaucUgcgggaugcu..... | 2 | 2 | s60 |
| ...ACucggccgggaugcucag..... | 1 | 2 | s60 |
| ...AaucggccgggaCagcuAag..... | 1 | 3 | s60 |

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|---|----|---|-----|
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| ...AaucggccggGAuagcucag..... | 1 | 2 | s60 |
| ...ACucggccgggaugcuUag..... | 1 | 3 | s60 |
| ...caucggccgggaugcucag..... | 2 | 0 | s60 |
| ...AaucggcAgggCuagcucag..... | 1 | 3 | s60 |
| ...AaucggccgggaugcuAag..... | 14 | 2 | s60 |
| ...AaucggccgggaugcuUag..... | 28 | 2 | s60 |
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| ...AaucggccgggGuagcucag..... | 4 | 2 | s60 |
| ...AaucggccgggaugUucag..... | 1 | 2 | s60 |
| ...AaucggccgggaUucucagU..... | 1 | 3 | s60 |
| ...AaucggccgggaugcucagU..... | 14 | 2 | s60 |
| ...AaucggccgggaugcuUagU..... | 1 | 3 | s60 |
| ...AaucggccgggaugcuAagU..... | 1 | 3 | s60 |
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| ...caucggccgggaugcucagUggCuagaAc..... | 1 | 3 | s60 |
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|------------------------------------|-------------------|------------------------------|--------|--------|--------|---------------|--|--|--|
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| ...AaucggccgggaugacuUagUggguuagagc | | 212 | 3 | s60 | | | | | |
| ...aucggccgggaugacu | | 2 | 0 | s60 | | | | | |
| ...aucggccgggaugacuAag | | 4 | 1 | s60 | | | | | |
| ...aucggccgggaugacuUag | | 14 | 1 | s60 | | | | | |
| ...aucggccgggaucGgcucag | | 1 | 1 | s60 | | | | | |
| ...aucggccgggGuagcucag | | 1 | 1 | s60 | | | | | |
| ...aucggccgggaugcucag | | 53 | 0 | s60 | | | | | |
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| .cagcaucggccgggaugcucag | 4 | 0 | s09 |
| .AagcaucggccgggaugcucagU | 18 | 2 | s09 |
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