

[illegible]

|  |    |   |     |
|--|----|---|-----|
| ccagcaucggccgggaugcucagggguuagagcaccucgcgccaaaucaaccuuaguggguuucgaauccaaaucgauuccuggccgaugcugugu |    |   |     |
| ..agcaucggccAggauagcucag.....  | 2  | 1 | s13 |
| ..agcaucggccgggaugcucagU.....  | 2  | 1 | s13 |
| ..agcaucggccgggaugcucagUg.....   | 2  | 1 | s13 |
| ..agcaucggccgggaugcucagUgg.....  | 7  | 1 | s13 |
| ..agcaucggccgggaugcucagCggg.....   | 1  | 1 | s13 |
| ..agcaucggccgggaugcucagUggg.....   | 4  | 1 | s13 |
| ..agcaucggccgggaugcucagUgggu.....  | 7  | 1 | s13 |
| ..agcaucggccgggaugcucagUggguu.....   | 11 | 1 | s13 |
| ..agcaucggccgggaugcucagUggguuag.....   | 20 | 1 | s13 |
| ..agcaucggccgggaugcucagCggguuaga.....  | 1  | 1 | s13 |
| ..agcaucggccgggaugcucagUggguuaga.....  | 53 | 1 | s13 |
| ..gcaucggccgggaugcu.....   | 1  | 0 | s13 |
| ..gcaucggccAggauagcucag.....   | 1  | 1 | s13 |
| ..Ucaucggccgggaugcucag.....  | 1  | 1 | s13 |
| ..gcaucggccgggaugcucag.....  | 4  | 0 | s13 |
| ..gcaucggUcgggaugcucag.....  | 1  | 1 | s13 |
| ..Acaucggccgggaugcucag.....  | 6  | 1 | s13 |
| ..gcaucggccgggaugcucCg.....  | 1  | 1 | s13 |
| ..gcaucggccgggaugcucagUg.....  | 1  | 1 | s13 |
| ..gcaucggccgggaugcucagUgg.....   | 1  | 1 | s13 |
| ..gcaucggccgggaugcucagUgggu.....   | 1  | 1 | s13 |
| ..gcaucggccgggaugcucagUggguuag.....  | 2  | 1 | s13 |
| ..gcaucggccgggaugcucagUggguuaga.....   | 3  | 1 | s13 |
| ...caucggccgggaCagcuc.....   | 1  | 1 | s13 |
| ...Aaucggccgggaugcucag.....  | 46 | 1 | s13 |
| ...caucggccgggaugcucag.....  | 5  | 0 | s13 |
| ...caucggccgggaugcucagUgg.....   | 1  | 1 | s13 |
| ...caucggccgggaugcucagUgggu.....   | 1  | 1 | s13 |
| ...caucggccgggaugcucagUggguu.....  | 1  | 1 | s13 |
| ...caucggccgggaugcucagUggguuaga.....   | 4  | 1 | s13 |
| ...caucggccgggaugcucagUggguuagagc.....   | 1  | 1 | s13 |
| ...aucggccgggaugcuAag.....   | 2  | 1 | s13 |
| ...aucggccgggCuagcucag.....  | 1  | 1 | s13 |
| ...aucggccgggaugcucag.....   | 31 | 0 | s13 |
| ...aucggccgggaugGucag.....   | 1  | 1 | s13 |
| ...aCcgccgggaugcucag.....  | 1  | 1 | s13 |
| ...aucggUcgggaugcucag.....   | 2  | 1 | s13 |
| ...aucggccgggaucGcucag.....  | 1  | 1 | s13 |
| ...aucggccgggaugcuUag.....   | 22 | 1 | s13 |
| ...aucggAcgggaugcucag.....   | 1  | 1 | s13 |
| ...aucggccgggaugcucagU.....  | 1  | 1 | s13 |
| ...aucggccgggaugcucagUg.....   | 1  | 1 | s13 |
| ...aucggccgggaugcucagUgg.....  | 1  | 1 | s13 |
| ...aucggccgggaugcucagUgggu.....  | 3  | 1 | s13 |
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| ...aucggccgggaugcucagUggguuag.....   | 2  | 1 | s13 |
| ...aucggccgggaugcucagUggguuagag.....   | 5  | 1 | s13 |
| ...aucggccgggaugcucagUggguuaga.....  | 10 | 1 | s13 |
| ...aucggccgggaugcucagUggguuagag.....   | 13 | 1 | s13 |
| ...aucggccgggaugcucagUggguuagagc.....  | 61 | 1 | s13 |
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| ...ucggccgggaugcucag.....  | 4  | 0 | s13 |
| ...ucggccgggaugcuUag.....  | 1  | 1 | s13 |
| ...Acggccgggaugcucag.....  | 1  | 1 | s13 |
| ...ucggccgggaugcucagUgggu.....   | 1  | 1 | s13 |
| ...ucggccgggaugcucagUggguuaga.....   | 2  | 1 | s13 |
| ...ucggccgggaugcucagUggguuagagc.....   | 5  | 1 | s13 |
| ...cgccgggaugcucagU.....   | 1  | 1 | s13 |
| ...cgccgggaugcucagUggguuagag.....  | 1  | 1 | s13 |
| ...cgccgggaugcucagUggguuagagc.....   | 1  | 1 | s13 |
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| ...gccgggaugcucagUggguuaga.....  | 1  | 1 | s13 |
| ...cgggauagcucagUggguuag.....  | 1  | 1 | s13 |
| ...auagcucagUggguuagagc.....   | 1  | 1 | s13 |
| ...auagGucaggguuagagca.....  | 2  | 1 | s13 |
| ...uagcucagUggguuagagc.....  | 1  | 1 | s13 |
| .....Accaaaucgauuccuggccgaugcugu..   | 1  | 1 | s13 |
| .....Acaaaucgauuccuggccgaugcugug.  | 1  | 1 | s13 |

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| ccagcaucggccgggaugcucaggguuagagcaccucgccc aaaucaaccuuaguggguuucgaauc caaauccgauuccuggccgaugcugugu |     |   |     |
| .....Aaaauccgauuccuggccgaugcugug.   | 3   | 1 | s13 |
| .....aaucgauuccuggccgaugUugug.  | 2   | 1 | s13 |
| .....aucgauuccuggccCaugcugug.   | 1   | 1 | s13 |
| .....aucgauuccAggccgaugcugug.   | 1   | 1 | s13 |
| Acagcaucggccgggaaua.....  | 4   | 1 | s35 |
| Acagcaucggccgggaugc.....  | 18  | 1 | s35 |
| Acagcaucggccgggaugcuca.....   | 1   | 1 | s35 |
| Acagcaucggccgggaugcucag.....  | 31  | 1 | s35 |
| ccagcaucggccgggaugcucagUgguu.....   | 1   | 1 | s35 |
| .Aagcaucggccgggaug.....   | 12  | 1 | s35 |
| .cagcaucggccAggaugc.....  | 1   | 1 | s35 |
| .Aagcaucggccgggaugc.....  | 106 | 1 | s35 |
| .cagcaucggccgggaugc.....  | 2   | 0 | s35 |
| .Aagcaucggccgggaugcu.....   | 8   | 1 | s35 |
| .Aagcaucggccgggaugcuc.....  | 8   | 1 | s35 |
| .Aagcaucggccgggaugcuca.....   | 1   | 1 | s35 |
| .cagcaucggccgggaugcucag.....  | 2   | 0 | s35 |
| .Aagcaucggccgggaugcucag.....  | 285 | 1 | s35 |
| .cagcaucggccggCauagcucag.....   | 1   | 1 | s35 |
| .cagcaucggccgggaugcucagUgg.....   | 2   | 1 | s35 |
| .cagcaucggccgggaugcucagUgg.....   | 2   | 1 | s35 |
| .cagcaucggccgggaugcucagUgguu.....   | 6   | 1 | s35 |
| .cagcaucggccgggaugcucagUgguu.....   | 3   | 1 | s35 |
| .Aagcaucggccgggaugcucagggguuag.....   | 2   | 1 | s35 |
| .agcaucggccgggaugc.....   | 23  | 0 | s35 |
| .agcaucggccgggauaAc.....  | 1   | 1 | s35 |
| .agcaucggUcgggaugc.....   | 1   | 1 | s35 |
| .agAaucggccgggaugcu.....  | 1   | 1 | s35 |
| .agcaucggccgggaugcu.....  | 4   | 0 | s35 |
| .agcaucggccgggaugcuc.....   | 5   | 0 | s35 |
| .agcaucggccgggaugcuca.....  | 9   | 0 | s35 |
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| .agcaucggUcgggaugcucag.....   | 4   | 1 | s35 |
| .agcaucggccgggaugcuUag.....   | 8   | 1 | s35 |
| .aUcaucggccgggaugcucag.....   | 7   | 1 | s35 |
| .agcaucggccgggaugcuAag.....   | 7   | 1 | s35 |
| .agcaucggccAggaugcucag.....   | 1   | 1 | s35 |
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| .agcaucggccgggaCagcucag.....  | 2   | 1 | s35 |
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| .aAcaucggccgggaugcucag.....   | 1   | 1 | s35 |
| .agcaucgAccgggaugcucag.....   | 1   | 1 | s35 |
| .agcaucggccgggaugcucagU.....  | 2   | 1 | s35 |
| .agcaucggccgggaugcucagUg.....   | 8   | 1 | s35 |
| .agcaucggccgggaugcucagUgg.....  | 12  | 1 | s35 |
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| .agcaucggccgggaugcucagUgguuag.....  | 28  | 1 | s35 |
| .agcaucggccgggaugcucagUgguuaga.....   | 91  | 1 | s35 |
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| ..gcaucggccgggaugcuc.....   | 1   | 0 | s35 |
| ..Acaucggccgggaugcuc.....   | 1   | 1 | s35 |
| ..gcCucggccgggaugcuc.....   | 1   | 1 | s35 |
| ..Acaucggccgggaugcuca.....  | 1   | 1 | s35 |
| ..Acaucggccgggaugcucag.....   | 9   | 1 | s35 |
| ..gcaucggccgggCuagcucag.....  | 1   | 1 | s35 |
| ..gcaucggccgggaugcucag.....   | 4   | 0 | s35 |
| ..gcaucAgccgggaugcucag.....   | 1   | 1 | s35 |
| ..gcaucggccgggaugcucagUgguu.....  | 2   | 1 | s35 |
| ..gcaucggccgggaugcucagUgguu.....  | 2   | 1 | s35 |
| ..gcaucggccgggaugcucagUgguuag.....  | 5   | 1 | s35 |
| ..gcaucggccgggaugcucagUgguuaga.....   | 8   | 1 | s35 |
| ...caucggccgggaugcuc.....   | 1   | 0 | s35 |
| ...Aaucggccgggaugcucag.....   | 55  | 1 | s35 |
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| ...caucggccgggaugcucag.....   | 3   | 0 | s35 |
| ...caucggccgggaugcucagUgguu.....  | 1   | 1 | s35 |

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|--|----|---|-----|
| ccagcaucggccgggaugcucagggguuagagcaccucgccc aaaucaaccuuaguggguuucgaauccaaaucgauuccuggccgaugcugugu |    |   |     |
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| ...caucggccgggaugcucagUgguuagag.....   | 1  | 1 | s35 |
| ...Aaucggccgggaugcucagggguuagagc.....  | 1  | 1 | s35 |
| ...aucggccgggaugcuca.....  | 1  | 0 | s35 |
| ...aucggccgggaugcucag.....   | 34 | 0 | s35 |
| ...aucggccgggaugcuUag.....   | 11 | 1 | s35 |
| ...aucggccgggaCagcucag.....  | 1  | 1 | s35 |
| ...aucgUccgggaugcucag.....   | 1  | 1 | s35 |
| ...aucggccgggaugUucag.....   | 1  | 1 | s35 |
| ...aucggUcgggaugcucag.....   | 1  | 1 | s35 |
| ...aucggccgggaugcuAag.....   | 3  | 1 | s35 |
| ...aucUgccgggaugcucag.....   | 1  | 1 | s35 |
| ...aucggccgggaugcucagU.....  | 17 | 1 | s35 |
| ...aucggccgggaugcucagUg.....   | 1  | 1 | s35 |
| ...aucggccgggaugcucagUgg.....  | 2  | 1 | s35 |
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| ...aucggccgggaugcucagUggguuaga.....  | 7  | 1 | s35 |
| ...aucggccgggaugcucagUggguuagag.....   | 8  | 1 | s35 |
| ...aucggccgggaugcucagCggguuagagc.....  | 2  | 1 | s35 |
| ...aucggccgggaugcucagUggguuagagc.....  | 79 | 1 | s35 |
| ...aucggccgggaugcucagggguuagagc.....   | 1  | 0 | s35 |
| ...aucggccgggaugcucagUggguuagagca.....   | 5  | 1 | s35 |
| ...ucggccgggCUagcucag.....   | 1  | 1 | s35 |
| ...ucggccgggaugcuUag.....  | 3  | 1 | s35 |
| ...ucggccgggaugcucag.....  | 3  | 0 | s35 |
| ...ucggccgggaCagcucag.....   | 1  | 1 | s35 |
| ...Acggccgggaugcucag.....  | 4  | 1 | s35 |
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| ...ucggccgggaugcucagUggguuagagc.....   | 5  | 1 | s35 |
| ...ucggccgggaugcucagCggguuagagcac.....   | 1  | 1 | s35 |
| ...cggccgggaugcucagU.....  | 1  | 1 | s35 |
| ...cggccgggaugcucagUggguuag.....   | 1  | 1 | s35 |
| ...cggccgggaugcucagUggguuagagc.....  | 1  | 1 | s35 |
| ...ggccgggaugcucagUggguua.....   | 1  | 1 | s35 |
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| ...gccgggaugcucagUggguua.....  | 1  | 1 | s35 |
| ...gccgggaugcucagUggguuagagc.....  | 1  | 1 | s35 |
| ...ccgggaugcucagUggguuaga.....   | 1  | 1 | s35 |
| ...ccgggaugcucagUggguuagagc.....   | 1  | 1 | s35 |
| ...auagcucagUggguuagag.....  | 1  | 1 | s35 |
| ...auagcucagUggguuagagc.....   | 1  | 1 | s35 |
| ...agcucagUggguuagagca.....  | 2  | 1 | s35 |
| ...Agguuagagcaccucgcca.....  | 1  | 1 | s35 |
| ...auUcaaaucgauuccuggccgaugcugugu  | 2  | 1 | s35 |
| ...Acaaaucgauuccuggccgaug.....   | 2  | 1 | s35 |
| ...aaaucgauuccuggccgaugcugug.....  | 1  | 0 | s35 |
| ...auUgaauuccuggccgaugcugugu   | 1  | 1 | s35 |
| ...Acgauuccuggccgaugcugug.....   | 1  | 1 | s35 |
| ...Acgauuccuggccgaugcugugu   | 1  | 1 | s35 |
| ...gauuccAggcccgaugcugug.....  | 1  | 1 | s35 |
| Acagcaucggccgggaug.....  | 1  | 1 | s85 |
| Acagcaucggccgggaugcuc.....   | 1  | 1 | s85 |
| Acagcaucggccgggaugcucag.....   | 4  | 1 | s85 |
| ccagcaucggccgggaugcucagUgggu.....  | 1  | 1 | s85 |
| ccagcaucggccgggaugcucagUggguu.....   | 1  | 1 | s85 |
| .Aagcaucggccgggaugc.....   | 7  | 1 | s85 |
| .Aagcaucggccgggaugcuca.....  | 4  | 1 | s85 |
| .Aagcaucggccgggaugcucag.....   | 49 | 1 | s85 |
| .cagcaucggccgggaugcucagUggguu.....   | 1  | 1 | s85 |
| .agcaucggccgggaugc.....  | 1  | 0 | s85 |
| .agcaucggccgggaugcuc.....  | 1  | 0 | s85 |
| .agcaucggcAggggaugcuc.....   | 1  | 1 | s85 |

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|--|----|---|-----|
| ccagcaucggccgggaugcucagggguuagagcaccucgccc aaaucaaccuuaguggguuucgaauc caaauccgauuccuggccgaugcugugu |    |   |     |
| ..agcaucggccgggaugcucua.....   | 3  | 0 | s85 |
| ..agcauGggccgggaugcucua.....   | 1  | 1 | s85 |
| ..agcaucUgccgggaugcucag.....   | 1  | 1 | s85 |
| ..agcaucggccgggaugcuUag.....   | 1  | 1 | s85 |
| ..agcaucggccgggaugcuAag.....   | 1  | 1 | s85 |
| ..aUcaucggccgggaugcucag.....   | 1  | 1 | s85 |
| ..agcaucggccgggaugcucag.....   | 10 | 0 | s85 |
| ..agcaucggccgggaugcucagUg.....   | 6  | 1 | s85 |
| ..agcaucggccgggaugcucagUgggu.....  | 2  | 1 | s85 |
| ..agcaucggccgggaugcucagUggguu.....   | 2  | 1 | s85 |
| ..agcaucggccgggaugcucagUggguua.....  | 2  | 1 | s85 |
| ..agcaucggccgggaugcucagUgguuag.....  | 13 | 1 | s85 |
| ..agcaucggccgggaugcucagUgguuaga.....   | 32 | 1 | s85 |
| ...Acaucggccgggaugcu.....  | 1  | 1 | s85 |
| ...gcaucggccgggaugcuc.....   | 1  | 0 | s85 |
| ...Acaucggccgggaugcucua.....   | 1  | 1 | s85 |
| ...gcaucggccgggaCagcucag.....  | 1  | 1 | s85 |
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| ...gcaucggccgggaugcucagUgg.....  | 1  | 1 | s85 |
| ...gcaucggccgggaugcucagUgguuaga.....   | 3  | 1 | s85 |
| ...caucggccgggaCagcuc.....   | 1  | 1 | s85 |
| ...caucggccgggaugcucag.....  | 1  | 0 | s85 |
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| ...aucggccgggaugUuca.....  | 1  | 1 | s85 |
| ...aucggccgggaugcucag.....   | 4  | 0 | s85 |
| ...aucggccgggaugcucagUg.....   | 7  | 1 | s85 |
| ...aucggccgggaugcucagUgggu.....  | 1  | 1 | s85 |
| ...aucggccgggaugcucagUggguu.....   | 1  | 1 | s85 |
| ...aucggccgggaugcucagUgguuag.....  | 1  | 1 | s85 |
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| ...aucggccgggaugcucagUgguuagag.....  | 2  | 1 | s85 |
| ...aucggccgggaugcucagUgguuagagc.....   | 18 | 1 | s85 |
| ...aucggccgggaugcucagUgguuagagca.....  | 3  | 1 | s85 |
| ...Acggccgggaugcucag.....  | 1  | 1 | s85 |
| ...ucggccgggaugcucagUg.....  | 1  | 1 | s85 |
| ...ucggccgggaugcucagUggguua.....   | 1  | 1 | s85 |
| ...ucggccgggaugcucagUgguuagagc.....  | 2  | 1 | s85 |
| .....uuagagcaccCcgcccaa.....   | 1  | 1 | s85 |
| .....uUcaaaucgauuccuggccgaugcugugu.....  | 1  | 1 | s85 |
| .....Acgauuccuggccgaugcugugu.....  | 1  | 1 | s85 |

|                                      |    |   |     |
|--------------------------------------|----|---|-----|
| Acagcaucggccgggaugc.....             | 3  | 1 | s72 |
| Acagcaucggccgggaugcu.....            | 1  | 1 | s72 |
| Acagcaucggccgggaugcuc.....           | 5  | 1 | s72 |
| Acagcaucggccgggaugcucua.....         | 1  | 1 | s72 |
| Acagcaucggccgggaugcucag.....         | 13 | 1 | s72 |
| ccagcaucggccgggaugcucagUgggu.....    | 1  | 1 | s72 |
| ..Aagcaucggccgggaug.....             | 7  | 1 | s72 |
| ..Aagcaucggccgggaugc.....            | 17 | 1 | s72 |
| ..Aagcaucggccgggaugcuc.....          | 4  | 1 | s72 |
| ..cCgcaucggccgggaugcuc.....          | 1  | 1 | s72 |
| ..Aagcaucggccgggaugcucua.....        | 10 | 1 | s72 |
| ..Aagcaucggccgggaugcucag.....        | 73 | 1 | s72 |
| ..cagcaucggccgggaugcucagUgg.....     | 1  | 1 | s72 |
| ..cagcaucggccgggaugcucagUgggu.....   | 1  | 1 | s72 |
| ..cagcaucggccgggaugcucagUggguu.....  | 3  | 1 | s72 |
| ..cagcaucggccgggaugcucagUggguua..... | 1  | 1 | s72 |
| ..Aagcaucggccgggaugcucagggguuag..... | 1  | 1 | s72 |
| ..agcaucggccgggaugc.....             | 3  | 0 | s72 |
| ..agcaucggccgggaugcu.....            | 1  | 0 | s72 |
| ..agcaucggccgggaugcuc.....           | 2  | 0 | s72 |
| ..agcaucggccAggaugcucua.....         | 1  | 1 | s72 |
| ..agcaucggccgggaugcucua.....         | 3  | 0 | s72 |
| ..agcCucggccgggaugcucua.....         | 1  | 1 | s72 |
| ..aUcaucggccgggaugcucag.....         | 4  | 1 | s72 |
| ..agcaucggUcgggaugcucag.....         | 2  | 1 | s72 |
| ..agcaucggccgggaugcucalU.....        | 2  | 1 | s72 |
| ..agcaucggccgggaugcuUag.....         | 6  | 1 | s72 |

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|---|-----|---|-----|
| ccagcaucggccgggaugcucagggguuagagcaccucgccc aaaucaaccuuaguggguuucgaauc caaaucgauuccuggccgaugcugugu |     |   |     |
| ..agcaucggccgggaugcucac   | 2   | 1 | s72 |
| ..agcaucggccgggaCagcucag  | 1   | 1 | s72 |
| ..agcaucggccAgggaugcucag  | 3   | 1 | s72 |
| ..agcaucggccgggaugcuAag   | 1   | 1 | s72 |
| ..agUaucggccgggaugcucag   | 1   | 1 | s72 |
| ..agcaucggccgggaugcucag   | 14  | 0 | s72 |
| ..agcaucggccgggaugcucagU  | 3   | 1 | s72 |
| ..agcaucggccgggaugcucagUg   | 1   | 1 | s72 |
| ..agcaucggccgggaugcucagUgg  | 1   | 1 | s72 |
| ..agcaucggccgggaugcucagUgggu  | 2   | 1 | s72 |
| ..agcaucggccgggaugcucagUggguu   | 3   | 1 | s72 |
| ..agcaucggccgggaugcucagUggguua  | 8   | 1 | s72 |
| ..agcaucggccgggaugcucagUggguuag   | 14  | 1 | s72 |
| ..agcaucggccgggaugcucagUggguuaga  | 29  | 1 | s72 |
| ..agcaucggccgggaugcucagggguuaga   | 1   | 0 | s72 |
| ..gcaucggccgggaugcuc  | 1   | 0 | s72 |
| ..gcaucggccgggaugcucag  | 1   | 0 | s72 |
| ..gcaucggccggUauagcucag   | 1   | 1 | s72 |
| ..gcaucggccgggaugcucagU   | 1   | 1 | s72 |
| ..gcaucggccgggaugcucagUggguuag  | 1   | 1 | s72 |
| ..gcaucggccgggaugcucagUggguuaga   | 2   | 1 | s72 |
| ...caucggccgggaugcuc  | 1   | 0 | s72 |
| ...caucggccgggaugcucag  | 3   | 0 | s72 |
| ...Aaucggccgggaugcucag  | 18  | 1 | s72 |
| ...caucggccgggaugcucagUggguuaga   | 2   | 1 | s72 |
| ...aucggccgggaUAcuca  | 1   | 1 | s72 |
| ...aucggcAggggaugcucac  | 1   | 1 | s72 |
| ...aucggccgggaugcucac   | 6   | 0 | s72 |
| ...aucggccgggaugcuUag   | 11  | 1 | s72 |
| ...aucggccgggaugcucag   | 8   | 0 | s72 |
| ...aucggccgAgaugcucag   | 1   | 1 | s72 |
| ...aucggccgggaugcucagU  | 7   | 1 | s72 |
| ...aucggccgggaugcucagUg   | 2   | 1 | s72 |
| ...aucggccgggaugcucagUgg  | 2   | 1 | s72 |
| ...aucggccgggaugcucagUggguua  | 1   | 1 | s72 |
| ...aucggccgggaugcucagUggguuaga  | 2   | 1 | s72 |
| ...aucggccgggaugcucagUgguuagag  | 5   | 1 | s72 |
| ...aucggccgggaugcucagUgguuagagc   | 26  | 1 | s72 |
| ...aucggccgggaugcucagCgguuagagc   | 3   | 1 | s72 |
| ...aucggccgggaugcucagUgguuagagca  | 5   | 1 | s72 |
| ...Acggccgggaugcucag  | 2   | 1 | s72 |
| ...ucggccgggaugcucagU   | 1   | 1 | s72 |
| ...ucggccgggaugcucagUg  | 1   | 1 | s72 |
| ...ucggccgggaugcucagUgguuagagc  | 2   | 1 | s72 |
| ...ucggccgggaugcucagUgguuagagca   | 1   | 1 | s72 |
| ...ggccgggaugcucagUgguuagag   | 1   | 1 | s72 |
| ...agcucagUgguuagagca   | 1   | 1 | s72 |
| ...auUcaaaucgauuccuggccgaugcugug  | 1   | 1 | s72 |
| ...auccaaaucgauuccuggccgaugcugug  | 1   | 0 | s72 |
| ...Acgauuccuggccgaugcugug   | 1   | 1 | s72 |
| ...Acgauuccuggccgaugcugugu  | 2   | 1 | s72 |
| Acagcaucggccgggaug  | 3   | 1 | s23 |
| ccagcaucggccgggaugcucag   | 1   | 0 | s23 |
| Acagcaucggccgggaugcucag   | 76  | 1 | s23 |
| ccagcaucggccgggaugcucagUgg  | 1   | 1 | s23 |
| .Aagcaucggccgggaug  | 6   | 1 | s23 |
| .Aagcaucggccgggaugc   | 15  | 1 | s23 |
| .cagcaucggccgggaAagcu   | 1   | 1 | s23 |
| .Aagcaucggccgggaugcu  | 4   | 1 | s23 |
| .cagcaucggccgggaugcuc   | 1   | 0 | s23 |
| .Aagcaucggccgggaugcuca  | 4   | 1 | s23 |
| .cagcaucggccgggaugcucag   | 9   | 0 | s23 |
| .Aagcaucggccgggaugcucag   | 317 | 1 | s23 |
| .cagcaucggccgggaugcucagUgggu  | 1   | 1 | s23 |
| .cagcaucggccgggaugcucagUggguu   | 6   | 1 | s23 |
| .cagcaucggccgggaugcucagUggguua  | 4   | 1 | s23 |
| ..agcaucggccgggaugc   | 3   | 0 | s23 |
| ..agcUcggccgggaugc  | 1   | 1 | s23 |
| ..agcaucggccgggaugcu  | 1   | 0 | s23 |

|   |     |   |     |
|---|-----|---|-----|
| ccagcaucggccgggaugcucagggguuagagcaccucgccc aaaucaaccuuaguggguuucgaauccaaauccgauuccuggccgaugcugugu |     |   |     |
| ..agcaucggccgggaugcuc.....  | 4   | 0 | s23 |
| ..agcaucggccgggaauaAcuc.....  | 1   | 1 | s23 |
| ..agcaucggccgggaugcucA.....   | 3   | 0 | s23 |
| ..agcaucggccgggaugcucG.....   | 1   | 1 | s23 |
| ..agcaucggccAggaugcucag.....  | 7   | 1 | s23 |
| ..agcaucggccgggaugcucag.....  | 68  | 0 | s23 |
| ..agcaucggccgggaugcuUag.....  | 3   | 1 | s23 |
| ..Cgcaucggccgggaugcucag.....  | 1   | 1 | s23 |
| ..agcaucggccgggaugcCcag.....  | 1   | 1 | s23 |
| ..agcaucggUcgggaugcucag.....  | 7   | 1 | s23 |
| ..agcaucggccgggaCagcucag.....   | 3   | 1 | s23 |
| ..agcaucggccgggaauaAcucag.....  | 1   | 1 | s23 |
| ..aUcaucggccgggaugcucag.....  | 5   | 1 | s23 |
| ..agcaucggccgggaugcuAag.....  | 6   | 1 | s23 |
| ..agcaucggccgggaugcucagU.....   | 7   | 1 | s23 |
| ..agcaucggccgggaugcucagUg.....  | 5   | 1 | s23 |
| ..agcaucggccgggaugcucagUgg.....   | 4   | 1 | s23 |
| ..agcaucggccgggaugcucagUgguu.....   | 20  | 1 | s23 |
| ..agcaucggccgggaugcucagUgguu.....   | 11  | 1 | s23 |
| ..agcaucggccgggaugcucagUgguuu.....  | 23  | 1 | s23 |
| ..agcaucggccgggaugcucagUgguuag.....   | 58  | 1 | s23 |
| ..agcaucggccgggaugcucagCgguuag.....   | 1   | 1 | s23 |
| ..agcaucggccgggaugcucagggguuag.....   | 1   | 0 | s23 |
| ..agcaucggccgggaugcucagggguuaga.....  | 1   | 0 | s23 |
| ..agcaucggccgggaugcucagUgguuaga.....  | 124 | 1 | s23 |
| ...gcaucggccgggaugcuc.....  | 1   | 0 | s23 |
| ...Acucggccgggaugcuc.....   | 1   | 1 | s23 |
| ...Ucaucggccgggaugcucag.....  | 1   | 1 | s23 |
| ...gcaucggccgggaauaAcucag.....  | 1   | 1 | s23 |
| ...gcaucggUcgggaugcucag.....  | 1   | 1 | s23 |
| ...Acucggccgggaugcucag.....   | 9   | 1 | s23 |
| ...gcaucggccgggaugcucag.....  | 4   | 0 | s23 |
| ...gcaucUgccgggaugcucag.....  | 1   | 1 | s23 |
| ...gcaucggccgggaugcucagUg.....  | 1   | 1 | s23 |
| ...gcaucggccgggaugcucagUgguuu.....  | 2   | 1 | s23 |
| ...gcaucggccgggaugcucagUgguuag.....   | 4   | 1 | s23 |
| ...gcaucggccgggaugcucagCgguuaga.....  | 1   | 1 | s23 |
| ...gcaucggccgggaugcucagUgguuaga.....  | 9   | 1 | s23 |
| ...caucggccgggaugcuc.....   | 1   | 0 | s23 |
| ...Aaucggccgggaugcucag.....   | 39  | 1 | s23 |
| ...caAcggccgggaugcucag.....   | 1   | 1 | s23 |
| ...caucggccgggaugcuAag.....   | 1   | 1 | s23 |
| ...caucggccgggCuagcucag.....  | 1   | 1 | s23 |
| ...caucggccgggaugcucag.....   | 3   | 0 | s23 |
| ...caucggccgggaugcucagUgguuu.....   | 1   | 1 | s23 |
| ...caucggccgggaugcucagUgguuag.....  | 3   | 1 | s23 |
| ...caucggccgggaugcucagUgguuaga.....   | 5   | 1 | s23 |
| ...caucggccgggaugcucagUgguuagag.....  | 1   | 1 | s23 |
| ...Aaucggccgggaugcucagggguuagagc.....   | 1   | 1 | s23 |
| ...caucggccgggaugcucagUgguuagagc.....   | 2   | 1 | s23 |
| ...aucggccgggaugcucA.....   | 3   | 0 | s23 |
| ...aucggccgggaugcucag.....  | 36  | 0 | s23 |
| ...aucggccgggaCagcucag.....   | 1   | 1 | s23 |
| ...aucggccgggaugcuUag.....  | 10  | 1 | s23 |
| ...aucggccgggCuagcucag.....   | 1   | 1 | s23 |
| ...aucggccgggaugcuAag.....  | 2   | 1 | s23 |
| ...aucggccgggaugcucagU.....   | 5   | 1 | s23 |
| ...aucggccgggaugcucagUgguu.....   | 4   | 1 | s23 |
| ...aucggccgggaugcucagUgguu.....   | 3   | 1 | s23 |
| ...aucggccgggaugcucagUgguuu.....  | 4   | 1 | s23 |
| ...aucggccgggaugcucagUgguuag.....   | 5   | 1 | s23 |
| ...aucggccgggaugcucagUgguuaga.....  | 10  | 1 | s23 |
| ...aucggccgggaugcucagUgguuagag.....   | 5   | 1 | s23 |
| ...aucggccgggaugcucagUgguuagagc.....  | 138 | 1 | s23 |
| ...aucggccgggaugcucagCgguuagagc.....  | 2   | 1 | s23 |
| ...aucggccgggaugcucagUgguuagagca.....   | 15  | 1 | s23 |
| .....ucggccgggaCagcucag.....  | 1   | 1 | s23 |
| .....ucggccgggaugcucag.....   | 5   | 0 | s23 |
| .....ucggccgggaugcucagU.....  | 1   | 1 | s23 |
| .....ucggccgggaugcucagUgguu.....  | 1   | 1 | s23 |

|  |     |   |     |
|--|-----|---|-----|
| ccagcaucggccgggaugcucagggguuagagcaccucgccccaaaucaaccuuaguggguuucgaaucacaaucgauuccuggccgaugcugugu |     |   |     |
| .....ucggccgggaugcucagUggguua.....   | 1   | 1 | s23 |
| .....ucggccgggaugcucagUggguuag.....  | 3   | 1 | s23 |
| .....ucggccgggaugcucagggguuagaUc.....  | 1   | 1 | s23 |
| .....ucggccgggaugcucagUggguuagagc.....   | 10  | 1 | s23 |
| .....ucggccgggaugcucagUggguuagagca.....  | 1   | 1 | s23 |
| .....ucggccgggaugcucagUggguuagagcac.....   | 1   | 1 | s23 |
| .....cggccgggaugcucagUggguuaga.....  | 2   | 1 | s23 |
| .....cggccgggaugcucagUggguuagagc.....  | 4   | 1 | s23 |
| .....cggccgggaugcucagUggguuagagcac.....  | 2   | 1 | s23 |
| .....ggccgggaugcucagUggguuag.....  | 1   | 1 | s23 |
| .....gcgggaugcucagUggguuaga.....   | 1   | 1 | s23 |
| .....ccgggaugcucagUggguua.....   | 1   | 1 | s23 |
| .....ccgggaugcucagUggguuagag.....  | 1   | 1 | s23 |
| .....ccgggaugcucagUggguuagagc.....   | 1   | 1 | s23 |
| .....cgggaugcucagUggguuaga.....  | 1   | 1 | s23 |
| .....gggaugcucagUggguuaga.....   | 1   | 1 | s23 |
| .....gggaugcucagUggguuaga.....   | 2   | 1 | s23 |
| .....Acaaaucgauuccuggccgaugcugug.....  | 2   | 1 | s23 |
| .....Aaaaucgauuccuggccgaugcugug.....   | 1   | 1 | s23 |
| .....Aaaaucgauuccuggccgaugcugug.....   | 1   | 1 | s23 |
| .....aaucgauuccUggccgaugcugug.....   | 2   | 1 | s23 |
| .....aaucgauuccuggccgaugcugCgu.....  | 1   | 1 | s23 |
| .....aucgauuccuggccgaugcugug.....  | 1   | 0 | s23 |
| .....Acgauuccuggccgaugc.....   | 1   | 1 | s23 |
| .....cgauuccuggccgaugcuA.....  | 1   | 1 | s23 |
| .....cgauuccuggUcgauugcugug.....   | 1   | 1 | s23 |
| .....Agauuccuggccgaugcugugu.....   | 1   | 1 | s23 |
| Acagcaucggccgggaua.....  | 1   | 1 | s52 |
| Acagcaucggccgggaug.....  | 1   | 1 | s52 |
| Acagcaucggccgggaugc.....   | 5   | 1 | s52 |
| Acagcaucggccgggaugcuc.....   | 2   | 1 | s52 |
| Acagcaucggccgggaugcuca.....  | 2   | 1 | s52 |
| Acagcaucggccgggaugcucag.....   | 29  | 1 | s52 |
| ccagcaucggccgggaugcuUag.....   | 1   | 1 | s52 |
| .Aagcaucggccgggaug.....  | 5   | 1 | s52 |
| .Aagcaucggccgggaugc.....   | 51  | 1 | s52 |
| .Aagcaucggccgggaugcuc.....   | 5   | 1 | s52 |
| .Aagcaucggccgggaugcuca.....  | 3   | 1 | s52 |
| .Aagcaucggccgggaugcucag.....   | 213 | 1 | s52 |
| .cagcaucggccgggaugcucag.....   | 3   | 0 | s52 |
| .Aagcaucggccgggaugcucaggg.....   | 1   | 1 | s52 |
| .cagcaucggccgggaugcucagUgggu.....  | 1   | 1 | s52 |
| .cagcaucggccgggaugcucagUggguu.....   | 7   | 1 | s52 |
| .Aagcaucggccgggaugcucagggguua.....   | 1   | 1 | s52 |
| .cagcaucggccgggaugcucagUggguua.....  | 3   | 1 | s52 |
| .aUcaucggccgggaugc.....  | 3   | 1 | s52 |
| .agcaucggccgggUaagc.....   | 1   | 1 | s52 |
| .agcaucggccgggaugc.....  | 11  | 0 | s52 |
| .agcaucggccgggaugcu.....   | 10  | 0 | s52 |
| .agcUcggccgggaugcuc.....   | 1   | 1 | s52 |
| .agcaucggUcgggaugcuc.....  | 2   | 1 | s52 |
| .agcaucggccgggaugcuc.....  | 2   | 0 | s52 |
| .agcaucggccgggaugcuca.....   | 7   | 0 | s52 |
| .agcaucggccgggauaAcuca.....  | 1   | 1 | s52 |
| .agcaucggUcgggaugcucag.....  | 1   | 1 | s52 |
| .agcaucggccgggaugcuUag.....  | 6   | 1 | s52 |
| .agcaucggccgggaugcucag.....  | 46  | 0 | s52 |
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| .agcaucggccAggaugcucag.....  | 1   | 1 | s52 |
| .agcaucggccgggaCagcucag.....   | 1   | 1 | s52 |
| .aUcaucggccgggaugcucag.....  | 2   | 1 | s52 |
| .agcaucggccggAaagcucag.....  | 1   | 1 | s52 |
| .aAcaucggccgggaugcucag.....  | 1   | 1 | s52 |
| .agcaucggccgggaugcucagU.....   | 7   | 1 | s52 |
| .agcaucggccgggaugcucagUg.....  | 5   | 1 | s52 |
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| .agcaucggccgggaugcucagUgggu.....   | 11  | 1 | s52 |
| .agcaucggccgggaugcucagUggguu.....  | 6   | 1 | s52 |
| .agcaucggccgggaugcucagUggguua.....   | 20  | 1 | s52 |



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|  |     |   |     |
|--|-----|---|-----|
| ..agcaucggccgggaugcucagggguuag.....      | 1   | 0 | s52 |
| ..agcaucggccgggaugcucagUggguuag.....     | 51  | 1 | s52 |
| ..agcaucggccgggaugcucagUggguuaga.....    | 106 | 1 | s52 |
| ...Acaucggccgggaugcuc.....               | 1   | 1 | s52 |
| ...Acaucggccgggaugcuc.....               | 1   | 1 | s52 |
| ...gcaucggccgggaugcucag.....             | 5   | 0 | s52 |
| ...Acaucggccgggaugcucag.....             | 2   | 1 | s52 |
| ...Ucaucggccgggaugcucag.....             | 1   | 1 | s52 |
| ...gcaucggccgggaugcucagUgggu.....        | 3   | 1 | s52 |
| ...gcaucggccgggaugcucagUggguu.....       | 1   | 1 | s52 |
| ...gcaucggccgggaugcucagUggguua.....      | 5   | 1 | s52 |
| ...gcaucggccgggaugcucagUggguuag.....     | 2   | 1 | s52 |
| ...gcaucggccgggaugcucagUggguuaga.....    | 13  | 1 | s52 |
| ...caucggccgggaugcuc.....                | 1   | 0 | s52 |
| ...Aaucggccgggaugcuc.....                | 1   | 1 | s52 |
| ...caucggccgggaucGcucag.....             | 1   | 1 | s52 |
| ...caucggccgggaugcucag.....              | 1   | 0 | s52 |
| ...Aaucggccgggaugcucag.....              | 28  | 1 | s52 |
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| ...caucggccgggaugcucagUggguua.....       | 2   | 1 | s52 |
| ...caucggccgggaugcucagUggguuag.....      | 5   | 1 | s52 |
| ...caucggccgggaugcucagUggguuaga.....     | 4   | 1 | s52 |
| ...caucggccgggaugcucagUggguuagag.....    | 1   | 1 | s52 |
| ...Aaucggccgggaugcucagggguuagag.....     | 1   | 1 | s52 |
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| ...aucggccgggaugcucUag.....              | 6   | 1 | s52 |
| ...aucggccgggaugcucag.....               | 16  | 0 | s52 |
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| ...aucggccgggaugcucagUg.....             | 3   | 1 | s52 |
| ...aucggccgggaugcucagUgg.....            | 1   | 1 | s52 |
| ...aucggccgggaugcucagUggguuag.....       | 1   | 1 | s52 |
| ...aucggccgggaugcucagUggguuaga.....      | 6   | 1 | s52 |
| ...aucggccgggaugcucagUggguuagag.....     | 9   | 1 | s52 |
| ...aucggccgggaugcucagUggguuagagc.....    | 74  | 1 | s52 |
| ...aucggccgggaugcucagCggguuagagc.....    | 3   | 1 | s52 |
| ...aucggccgggaugcucagggguuagagc.....     | 1   | 0 | s52 |
| ...aucggccgggaugcucagUggguuagagca.....   | 10  | 1 | s52 |
| ...ucggccgggaugcucag.....                | 3   | 0 | s52 |
| ...ucggccgggaugcucUag.....               | 2   | 1 | s52 |
| ...ucggcAggggaugcucag.....               | 1   | 1 | s52 |
| ...Acggccgggaugcucag.....                | 2   | 1 | s52 |
| ...ucggccgggaugcucagUggguuag.....        | 1   | 1 | s52 |
| ...ucggccgggaugcucagUggguuagag.....      | 2   | 1 | s52 |
| ...ucggccgggaugcucagUggguuagagc.....     | 4   | 1 | s52 |
| ...ucggccgggaugcucagUggguuagagca.....    | 1   | 1 | s52 |
| ...ucggccgggaugcucagUggguuagagcac.....   | 2   | 1 | s52 |
| ...cgccgggaugcucagUgggu.....             | 1   | 1 | s52 |
| ...cgccgggaugcucagUggguuag.....          | 1   | 1 | s52 |
| ...cgccgggaugcucagUggguuagagc.....       | 3   | 1 | s52 |
| ...cgccgggaugcucagCggguuagagcac.....     | 1   | 1 | s52 |
| ...ggccgggaugcucagUggguuaga.....         | 1   | 1 | s52 |
| ...ccgggaugcucagUggguuagag.....          | 1   | 1 | s52 |
| ...cggaugcucagUggguua.....               | 1   | 1 | s52 |
| ...auagcucagUggguuagagcac.....           | 1   | 1 | s52 |
| ...agcucagggguuagagcac.....              | 1   | 0 | s52 |
| .....Auuucgaauccaaaucgauuccuggccg.....   | 1   | 1 | s52 |
| .....auccaaaucgauuccuggccgaugcuguU.....  | 1   | 1 | s52 |
| .....auUcaaaucgauuccuggccgaugcugugu..... | 2   | 1 | s52 |
| .....aaaucgauuccuggccgaugcuguU.....      | 1   | 1 | s52 |
| .....Acgauuccuggccgaugcugu.....          | 1   | 1 | s52 |
| .....Acgauuccuggccgaugcugug.....         | 1   | 1 | s52 |
| .....Acgauuccuggccgaugcugugu.....        | 5   | 1 | s52 |
| .....cgauuccuggccgaugcugug.....          | 1   | 0 | s52 |
| .....cgauuccuggccgaugcugugu.....         | 1   | 0 | s52 |
| .....gauuccuUgccgaugcugug.....           | 1   | 1 | s52 |
| Acagcaucggccgggaua.....                  | 3   | 1 | s09 |

|  |     |   |     |
|--|-----|---|-----|
| ccagcaucggccgggaugacucaggguuagagcaccucgcaccaauucaaccuuaguggguuucgaauccaaaucgauuccuggccgaugcugugu |     |   |     |
| Acagcaucggccgggaug. ....   | 1   | 1 | s09 |
| Acagcaucggccgggaugacuca. ....  | 1   | 1 | s09 |
| Acagcaucggccgggaugacucag. ....   | 19  | 1 | s09 |
| .Aagcaucggccgggaug. ....   | 4   | 1 | s09 |
| .cagcaucggccgggaug. ....   | 1   | 0 | s09 |
| .Aagcaucggccgggaugc. ....  | 7   | 1 | s09 |
| .Aagcaucggccgggaugcuc. ....  | 4   | 1 | s09 |
| .cagcaucggccgggaugacucag. ....   | 4   | 0 | s09 |
| .Aagcaucggccgggaugacucag. ....   | 117 | 1 | s09 |
| .cagcaucggccgggaugacucagUgg. ....  | 2   | 1 | s09 |
| .cagcaucggccgggaugacucagUgggu. ....  | 2   | 1 | s09 |
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| .Aagcaucggccgggaugacucagggguu. ....  | 1   | 1 | s09 |
| .cagcaucggccgggaugacucagUggguua. ....  | 4   | 1 | s09 |
| .agcaucggccgggaugc. ....   | 3   | 0 | s09 |
| .agcaucggccgggaugcA. ....  | 1   | 1 | s09 |
| .agcaucggccgggaugcuc. ....   | 1   | 0 | s09 |
| .agcaucggccgggaugcuc. ....   | 1   | 0 | s09 |
| .agcaucggUcgggaugacuca. ....   | 1   | 1 | s09 |
| .agcaucgAccgggaugacucag. ....  | 1   | 1 | s09 |
| .agcaucggccgggaugacucag. ....  | 28  | 0 | s09 |
| .agcaucggccgggaugacuAag. ....  | 2   | 1 | s09 |
| .agcaucggccgggaugacuUag. ....  | 8   | 1 | s09 |
| .agcaucggUcgggaugacucag. ....  | 2   | 1 | s09 |
| .agcaucggccAggaugacucag. ....  | 2   | 1 | s09 |
| .agcaucggccgggaugacucagU. ....   | 4   | 1 | s09 |
| .agcaucggccgggaugacucagUg. ....  | 11  | 1 | s09 |
| .agcaucggccgggaugacucaggA. ....  | 1   | 1 | s09 |
| .agcaucggccgggaugacucagUgg. ....   | 2   | 1 | s09 |
| .agcaucggccgggaugacucagUgggu. ....   | 4   | 1 | s09 |
| .agcaucggccgggaugacucagUggguu. ....  | 9   | 1 | s09 |
| .agcaucggccgggaugacucagUggguua. ....   | 12  | 1 | s09 |
| .agcaucggccgggaugacucagUggguuag. ....  | 36  | 1 | s09 |
| .agcaucggccgggaugacucagUggguuaga. ....   | 57  | 1 | s09 |
| ..gcaucggccgggaugacuU. ....  | 1   | 1 | s09 |
| ..gcaucggccgggaugacucag. ....  | 3   | 0 | s09 |
| ..Acacggccgggaugacucag. ....   | 4   | 1 | s09 |
| ..gcaucggccgggaugacucagUg. ....  | 1   | 1 | s09 |
| ..gcaucggccgggaugacucagUggguua. ....   | 1   | 1 | s09 |
| ..gcaucggccgggaugacucagUggguuag. ....  | 1   | 1 | s09 |
| ..gcaucggccgggaugacucagUggguuaga. ....   | 4   | 1 | s09 |
| ...Aaucggccgggaugacuca. ....   | 1   | 1 | s09 |
| ...caucggccgggaugacucag. ....  | 2   | 0 | s09 |
| ...Aaucggccgggaugacucag. ....  | 19  | 1 | s09 |
| ...caucggccgggaugacucagUggguuag. ....  | 1   | 1 | s09 |
| ...caucggccgggaugacucagUggguuaga. ....   | 2   | 1 | s09 |
| ...caucggccgggaugacucagUggguuagagc. ....   | 1   | 1 | s09 |
| ...aucggccgggaugacucag. ....   | 15  | 0 | s09 |
| ...aucggccgggaugagUucag. ....  | 1   | 1 | s09 |
| ...aucggccgggaugacuAag. ....   | 2   | 1 | s09 |
| ...aucggccgggaugacuUag. ....   | 8   | 1 | s09 |
| ...aucggccgggaugacucCg. ....   | 1   | 1 | s09 |
| ...aucggccgggaugacucagUgggu. ....  | 2   | 1 | s09 |
| ...aucggccgggaugacucagUggguu. ....   | 1   | 1 | s09 |
| ...aucggccgggaugacucagUggguuaga. ....  | 4   | 1 | s09 |
| ...aucggccgggaugacucagUggguuagag. ....   | 5   | 1 | s09 |
| ...aucggccgggaugacucagUggguuagagc. ....  | 56  | 1 | s09 |
| ...aucggccgggaugacucagCggguuagagc. ....  | 1   | 1 | s09 |
| ...aucggccgggaugacucagCggguuagagca. ....   | 1   | 1 | s09 |
| ...aucggccgggaugacucagUggguuagagca. ....   | 6   | 1 | s09 |
| ....ucggccgggaugacuAag. ....   | 1   | 1 | s09 |
| ....ucggccgggaugacucag. ....   | 1   | 0 | s09 |
| ....ucggccgggaugacuUag. ....   | 1   | 1 | s09 |
| ....Acggccgggaugacucag. ....   | 3   | 1 | s09 |
| ....ucggccgggaugacucagUggguuag. ....   | 1   | 1 | s09 |
| ....ucggccgggaugacucagCggguuagagc. ....  | 1   | 1 | s09 |
| ....ucggccgggaugacucagUggguuagagca. ....   | 1   | 1 | s09 |
| ....cgggccgggaugacucagUggguuagagcac. ....  | 1   | 1 | s09 |
| ....ggccgggaugacucagUggguuagag. ....   | 1   | 1 | s09 |
| ....ggccgggaugacucagUggguuagagc. ....  | 1   | 1 | s09 |

|   |     |   |     |
|---|-----|---|-----|
| ccagcagcggccgggaugcucagggguuagagcaccucgcgccaaaucaaccuuaguggguuucgaaucgaaucggaucuccuggccgaugcugugu |     |   |     |
| .....ccgggaugcucagUggguuagagc.....  | 1   | 1 | s09 |
| .....ggggaugcucagUggguuag.....  | 1   | 1 | s09 |
| .....Acaaaucgaaucuccuggccgaugcugug..  | 1   | 1 | s09 |
| .....Ucaaaucgaaucuccuggccgaugcugug.   | 1   | 1 | s09 |
| .....Acaaaucgaaucuccuggccgaugcugug.   | 4   | 1 | s09 |
| .....Aaaaucgaaucuccuggccgaugcugug.  | 3   | 1 | s09 |
| .....aaaucgaaucuccuggccgaugUugug.   | 1   | 1 | s09 |
| .....aaaucgaaucuccUggccgaugcugug.   | 1   | 1 | s09 |
| .....aaucgaaucuccgAccgaugcugug.   | 1   | 1 | s09 |
| .....aucgaaucuccGggccgaugcugug..  | 1   | 1 | s09 |
| .....Acgaaucuccggccgaugcu....   | 1   | 1 | s09 |
| Acagcaucggccgggaaua.....  | 2   | 1 | s60 |
| Acagcaucggccgggaug.....   | 1   | 1 | s60 |
| Acagcaucggccgggaugc.....  | 10  | 1 | s60 |
| Acagcaucggccgggaugcuc.....  | 1   | 1 | s60 |
| Acagcaucggccgggaugcucag.....  | 37  | 1 | s60 |
| .Aagcaucggccgggaug.....   | 8   | 1 | s60 |
| .Aagcaucggccgggaugc.....  | 58  | 1 | s60 |
| .cagcaucggccgggaugc.....  | 1   | 0 | s60 |
| .Aagcaucggccgggaugcu.....   | 5   | 1 | s60 |
| .cagcaucggccgggaugcuc.....  | 1   | 0 | s60 |
| .Aagcaucggccgggaugcuc.....  | 4   | 1 | s60 |
| .Aagcaucggccgggaugcuca.....   | 4   | 1 | s60 |
| .Aagcaucggccgggaugcucag.....  | 249 | 1 | s60 |
| .cagcaucggccgggaugcucag.....  | 3   | 0 | s60 |
| .cagcaucggccgggaugcucagUgg.....   | 1   | 1 | s60 |
| .cagcaucggccgggaugcucagUgggu.....   | 1   | 1 | s60 |
| .cagcaucggccgggaugcucagUgguu.....   | 2   | 1 | s60 |
| .agcaucggccgggaugc.....   | 12  | 0 | s60 |
| .agcaucggUcgggaugc.....   | 2   | 1 | s60 |
| .agcaucggccgggGuagc.....  | 1   | 1 | s60 |
| .aAcaucggccgggaugcu.....  | 1   | 1 | s60 |
| .agcaucggccgggaugcu.....  | 3   | 0 | s60 |
| .agcaucggccgggGuagcu.....   | 1   | 1 | s60 |
| .agcaucggccgggaugcuc.....   | 9   | 0 | s60 |
| .agcaucggccgggauaAcuc.....  | 1   | 1 | s60 |
| .agcaucggUcgggaugcuc.....   | 2   | 1 | s60 |
| .agcaucggccgggaugcuca.....  | 3   | 0 | s60 |
| .agcaucggccgggGuagcuca.....   | 1   | 1 | s60 |
| .agcaucggccggAauagcuca.....   | 2   | 1 | s60 |
| .agcaucggccgggaugcAcag.....   | 2   | 1 | s60 |
| .agAaucggccgggaugcucag.....   | 1   | 1 | s60 |
| .agcaucggccAggaugcucag.....   | 7   | 1 | s60 |
| .agcaucggccgggCuagcucag.....  | 1   | 1 | s60 |
| .agcaucggccgggaugcuAag.....   | 3   | 1 | s60 |
| .agcaucggccgggaugcucag.....   | 68  | 0 | s60 |
| .agcaucggccgggaugcucaU.....   | 1   | 1 | s60 |
| .agcaucggccgggaGagcucag.....  | 1   | 1 | s60 |
| .agcaucggccgggaugcucaC.....   | 1   | 1 | s60 |
| .aUcaucggccgggaugcucag.....   | 4   | 1 | s60 |
| .agcaucAagccgggaugcucag.....  | 2   | 1 | s60 |
| .agcaucggccgggaCagcucag.....  | 2   | 1 | s60 |
| .agcCucggccgggaugcucag.....   | 1   | 1 | s60 |
| .agcaucggccgggGuagcucag.....  | 4   | 1 | s60 |
| .agcaucggccggAauagcucag.....  | 2   | 1 | s60 |
| .aAcaucggccgggaugcucag.....   | 1   | 1 | s60 |
| .agcaucggUcgggaugcucag.....   | 10  | 1 | s60 |
| .agcaucggccgggaugcuUag.....   | 12  | 1 | s60 |
| .agcaucggccgggaugcucagU.....  | 3   | 1 | s60 |
| .agcaucggccgggaugcucagUg.....   | 3   | 1 | s60 |
| .agcaucggccgggaugcucagUgg.....  | 6   | 1 | s60 |
| .agcaucggccgggaugcucagUgggu.....  | 12  | 1 | s60 |
| .agcaucggccgggaugcucagUgguu.....  | 5   | 1 | s60 |
| .agcaucggccgggaugcucagUgguuu.....   | 6   | 1 | s60 |
| .agcaucggccgggaugcucagUgguuag.....  | 14  | 1 | s60 |
| .agcaucggccgggaugcucagUgguuaga.....   | 48  | 1 | s60 |
| ..gAaucggccgggaugcuc.....   | 1   | 1 | s60 |
| ..Acucggccgggaugcuc.....  | 1   | 1 | s60 |
| ..gcaucggccgggauaAcuc.....  | 1   | 1 | s60 |

|   |    |   |     |
|---|----|---|-----|
| ccagcaucggccgggaugcucagggguuagagcaccucgccc aaaucaaccuuaguggguuucgaauccaaauccgauuccuggccgaugcugugu |    |   |     |
| ...Ucaucggccgggaugcucag.....  | 1  | 1 | s60 |
| ...Acaucggccgggaugcucag.....  | 7  | 1 | s60 |
| ...gcaucggccgggaugcucag.....  | 1  | 1 | s60 |
| ...gcaucggccgggaugcuUag.....  | 3  | 1 | s60 |
| ...gcaucggccgggaugcucag.....  | 2  | 0 | s60 |
| ...gcaucggccgggaugcucagUg.....  | 1  | 1 | s60 |
| ...gcaucggccgggaugcucagUgggu.....   | 1  | 1 | s60 |
| ...gcaucggccgggaugcucagUggguuag.....  | 2  | 1 | s60 |
| ...gcaucggccgggaugcucagUggguuaga.....   | 1  | 1 | s60 |
| ...Aaucggccgggaugcuc.....   | 1  | 1 | s60 |
| ...Aaucggccgggaugcuca.....  | 1  | 1 | s60 |
| ...Aaucggccgggaugcucag.....   | 63 | 1 | s60 |
| ...caucggccgggaugcucag.....   | 2  | 0 | s60 |
| ...caucggUcggaugcucag.....  | 1  | 1 | s60 |
| ...caucggccgggaugcuUag.....   | 1  | 1 | s60 |
| ...caucggccgggaugcucagUgg.....  | 1  | 1 | s60 |
| ...caucggccgggaugcucagUggguuag.....   | 1  | 1 | s60 |
| ...caucggccgggaugcucagUggguuaga.....  | 4  | 1 | s60 |
| ...caucggccgggaugcucagUggguuagagc.....  | 1  | 1 | s60 |
| ...Aaucggccgggaugcucagggguuagagc.....   | 2  | 1 | s60 |
| ...aucggccgggaugcuca.....   | 2  | 0 | s60 |
| ...aucggccgggaugcuUag.....  | 14 | 1 | s60 |
| ...aucggccgggaucGgcucag.....  | 1  | 1 | s60 |
| ...aucggccgggGuagcucag.....   | 1  | 1 | s60 |
| ...aucggccgggaugcuAag.....  | 4  | 1 | s60 |
| ...aucggccgggaugcucag.....  | 53 | 0 | s60 |
| ...aucggccgggaugGgcucag.....  | 1  | 1 | s60 |
| ...aucggccgggaugcucagU.....   | 12 | 1 | s60 |
| ...aucggccgggaugcucagUg.....  | 2  | 1 | s60 |
| ...aucggccgggaugcucagUgg.....   | 3  | 1 | s60 |
| ...aucggccgggaugcucagUgggu.....   | 2  | 1 | s60 |
| ...aucggccgggaugcucagUggguua.....   | 3  | 1 | s60 |
| ...aucggccgggaugcucagUggguuaga.....   | 4  | 1 | s60 |
| ...aucggccgggaugcucagUggguuagag.....  | 4  | 1 | s60 |
| ...aucggccgggaugcucagUggguuagagc.....   | 41 | 1 | s60 |
| ...aucggccgggaugcucagggguuagagc.....  | 2  | 0 | s60 |
| ...aucggccgggaugcucagUggguuagagca.....  | 5  | 1 | s60 |
| ...ucggccgggaugcucag.....   | 3  | 0 | s60 |
| ...ucggccgggGuagcucag.....  | 1  | 1 | s60 |
| ...ucggUcggaugcucag.....  | 1  | 1 | s60 |
| ...ucggccgggaugcuAag.....   | 1  | 1 | s60 |
| ...ucggccgggaugcucagUggguuagagc.....  | 2  | 1 | s60 |
| ...ucggccgggaugcucagUggguuagagca.....   | 1  | 1 | s60 |
| ...ucggccgggaugcucagUggguuagagcac.....  | 1  | 1 | s60 |
| ...cgccgggaugcucagCggguuagagcac.....  | 1  | 1 | s60 |
| ...cgccgggaugcucagUggguuagagcac.....  | 1  | 1 | s60 |
| ...ggccgggaugcucagUggguuagagc.....  | 1  | 1 | s60 |
| ...gccgggaugcucagUggguuaga.....   | 1  | 1 | s60 |
| .....gguuagagcaccCcgcccaau.....   | 1  | 1 | s60 |
| .....aucgauuGcuggccgaugcu.....  | 1  | 1 | s60 |
| .....Acgauuccuggccgaugcugug.....  | 1  | 1 | s60 |