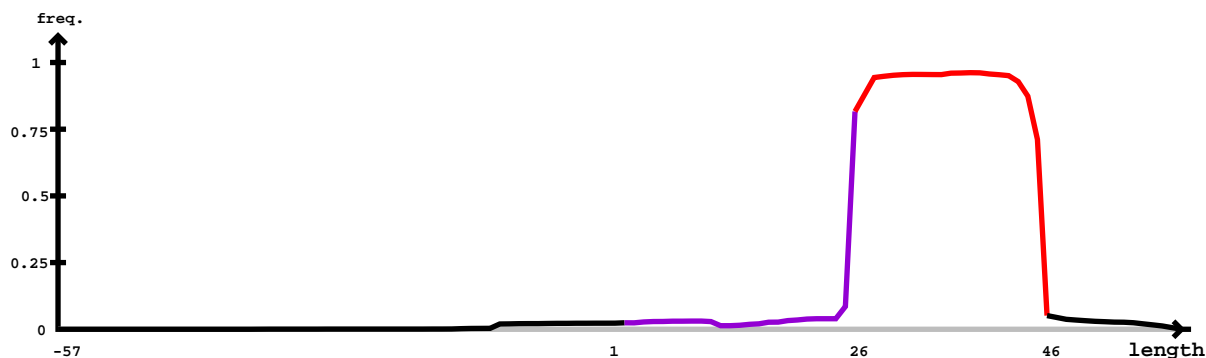


The diagram shows a double-stranded DNA molecule. The top strand (purple) has a loop containing the sequence 5'-c-a-a-u-g-3'. The bottom strand (red) has a bulge containing the sequence 3'-a-a-c-u-u-g-5'. The two strands are connected by base pairs: g-c, u-a, a-g, c-g, g-c, u-c, c-u, g-a, a-g, a-c, u-a, g-a. The 5' and 3' ends are labeled on the left side of the strands.

[illegible]

Star Mature

guuucuccaguuuuuacaagggaacaaagaucgccucugaguggacuccgugggcgcaaugguagcgcgucugacuccagaucaagaaggcugcgugucaagucacgucggggg

| | | | |
|--|-----|---|-----|
|Agacuccagaucaagaaggcugcgug..... | 1 | 1 | s60 |
|Agacuccagaucaagaaggcugcgugu..... | 1 | 1 | s60 |
|Aacuccagaucaagaaggcugcgugucaag..... | 2 | 1 | s60 |
|acuccagaucaagaaggcugc..... | 1 | 0 | s60 |
|acuccagaucaagaaggcugcg..... | 2 | 0 | s60 |
|acuccGaucagaaggcugcgug..... | 1 | 1 | s60 |
|acuccagaucaagaaggcugcgugu..... | 2 | 0 | s60 |
|acuccagaucaagaaggcugcguguu..... | 1 | 0 | s60 |
|acuccagaucaagaaggcugcguguuca..... | 1 | 0 | s60 |
|acuccagaucaagaaggcugcguguucaag..... | 1 | 0 | s60 |
|Accagaucaagaaggcugc..... | 2 | 1 | s60 |
|Accagaucaagaaggcugcg..... | 3 | 1 | s60 |
|Accagaucaagaaggcugcgugu..... | 2 | 1 | s60 |
|uccagaucaagaaggcugcguguu..... | 1 | 0 | s60 |
|ccagaucaagaaggcugcg..... | 1 | 0 | s60 |
|Acagaucaagaaggcugcgug..... | 1 | 1 | s60 |
|ccagaucaagCaggcugcgugu..... | 1 | 1 | s60 |
|Aaucagaaggcugcgugu..... | 28 | 1 | s60 |
|Aaucagaaggcugcguguu..... | 9 | 1 | s60 |
|Aaucagaaggcugcguguuc..... | 2 | 1 | s60 |
|Aaucagaaggcugcguguuca..... | 10 | 1 | s60 |
|aucagaaggcugcguguu..... | 39 | 0 | s60 |
|aucGgaaggcugcguguuc..... | 1 | 1 | s60 |
|aucagaaggcugcguguuc..... | 70 | 0 | s60 |
|aucagaaggcugcguguuA..... | 1 | 1 | s60 |
|aucGgaaggcugcguguuca..... | 3 | 1 | s60 |
|aucagaagCcgcguguuca..... | 1 | 1 | s60 |
|aucagaaggcugcguguuca..... | 288 | 0 | s60 |
|aucagaaAgcugcguguuca..... | 2 | 1 | s60 |
|aucagaCggcugcguguuca..... | 2 | 1 | s60 |
|aucagCaggcugcguguuca..... | 2 | 1 | s60 |
|aucagaaggcCgcguguuca..... | 1 | 1 | s60 |
|aucagaaggcugcguguucaag..... | 5 | 0 | s60 |
|aucagaaggcugcguguucaaguc..... | 1 | 0 | s60 |
|Acagaaggcugcguguuc..... | 7 | 1 | s60 |
|ucagaaggcugcguguuA..... | 1 | 1 | s60 |
|ucagaaggcugcguguuc..... | 6 | 0 | s60 |
|ucagaaggcugcguguuca..... | 20 | 0 | s60 |
|Acagaaggcugcguguuca..... | 18 | 1 | s60 |
|Acagaaggcugcguguucaagucac..... | 1 | 1 | s60 |
|Aagaaggcugcguguuca..... | 12 | 1 | s60 |
|cagaaggcugcguguuca..... | 5 | 0 | s60 |
|cagaaggcugcguguucaagu..... | 1 | 0 | s60 |
|agaaggcugcguguucaagu..... | 1 | 0 | s60 |
|agaaggcugcguguucaaguca..... | 2 | 0 | s60 |
|agaaggcugcguguucaagucacgucg..... | 2 | 0 | s60 |
|Aaaggcugcguguucaag..... | 1 | 1 | s60 |
|Aaaggcugcguguucaagucacg..... | 1 | 1 | s60 |
|Aaaggcugcguguucaagucacgucggg..... | 1 | 1 | s60 |
|aaggcugcguguucaagucacg..... | 1 | 0 | s60 |
|aaggcugcgugCucaagucacgucgggu..... | 1 | 1 | s60 |
|Agcguguucaagucacgucggg..... | 1 | 1 | s60 |
|Agcguguucaagucacgucgggu..... | 1 | 1 | s60 |
|Acguguucaagucacgucgg..... | 1 | 1 | s60 |
|Aguguucaagucacgucgg..... | 1 | 1 | s60 |
|Aaagguagcgcgucugac..... | 1 | 1 | s13 |
|Agacuccagaucaagaaggcugcguguuc..... | 1 | 1 | s13 |
|Aacuccagaucaagaaggcugcguguuc..... | 1 | 1 | s13 |
|Aaucagaaggcugcguguu..... | 2 | 1 | s13 |
|Aaucagaaggcugcguguuc..... | 1 | 1 | s13 |
|Aaucagaaggcugcguguuca..... | 8 | 1 | s13 |
|aucagaaggcugcguguu..... | 7 | 0 | s13 |
|aucagaaAgcugcguguuc..... | 1 | 1 | s13 |
|aucagaagAcugcguguuc..... | 1 | 1 | s13 |
|aucGgaaggcugcguguuc..... | 1 | 1 | s13 |
|aucagaaggcugcguguuc..... | 45 | 0 | s13 |
|aucagaaggAgcguguuca..... | 1 | 1 | s13 |
|aucGgaaggcugcguguuca..... | 1 | 1 | s13 |
|aucagaaggcugcguguucC..... | 1 | 1 | s13 |

Star Mature

guuucuccaguuuuuacaagggaacaaagauccgccucuaugggacuccguggcgcaaugguagcgcgcugacuccagaucaagaaggcugcguguucaaagucacgucgggggu

| | | | |
|--|-----|---|-----|
|aucagCaggcugcguguuua..... | 1 | 1 | s13 |
|aucagaaggcCgcguguuua..... | 1 | 1 | s13 |
|aucagaCggcugcguguuua..... | 3 | 1 | s13 |
|aucagaaggcugcguguuua..... | 222 | 0 | s13 |
|aucagaaggcugcguguucaaag..... | 3 | 0 | s13 |
|ucagaaggcugcguguuuc..... | 3 | 0 | s13 |
|ucagaaggAugcguguuuc..... | 1 | 1 | s13 |
|Acagaaggcugcguguuuc..... | 3 | 1 | s13 |
|ucagaaggcugcguguuua..... | 22 | 0 | s13 |
|Acagaaggcugcguguuua..... | 28 | 1 | s13 |
|ucagCaggcugcguguuua..... | 1 | 1 | s13 |
|Acagaaggcugcguguucaaagu..... | 1 | 1 | s13 |
|ucagaaggcugcguguuuaGgucacgucg..... | 1 | 1 | s13 |
|Aagaaggcugcguguuua..... | 23 | 1 | s13 |
|cagaaggcugcguguuua..... | 1 | 0 | s13 |
|Aagaaggcugcguguucaaag..... | 1 | 1 | s13 |
|cagaaggcugcguguucaaagu..... | 1 | 0 | s13 |
|Aagaaggcugcguguucaaagucac..... | 1 | 1 | s13 |
|Aagaaggcugcguguucaaagucacguc..... | 1 | 1 | s13 |
|agaaggcugcguguucaaag..... | 2 | 0 | s13 |
|Aaaggcugcguguucaaag..... | 1 | 1 | s13 |
|gaaggcugcguguuuaGgucacgucg..... | 1 | 1 | s13 |
|Agcguguucaaagucacgucgggg..... | 2 | 1 | s13 |
|Agcguguucaaagucacgucgggggu..... | 2 | 1 | s13 |
|Acguguucaaagucacgucgggg..... | 1 | 1 | s13 |
|Acugacuccagaucaagaaggc..... | 1 | 1 | s09 |
|Aaucagaaggcugcgugu..... | 2 | 1 | s09 |
|Aaucagaaggcugcguguu..... | 1 | 1 | s09 |
|Aaucagaaggcugcguguuua..... | 2 | 1 | s09 |
|aucagaaggcugcguguu..... | 3 | 0 | s09 |
|aucCgaaggcugcguguuuc..... | 1 | 1 | s09 |
|aucagaaggcugcguguuuc..... | 18 | 0 | s09 |
|aucCgaaggcugcguguuua..... | 1 | 1 | s09 |
|aucaAaaggcugcguguuua..... | 1 | 1 | s09 |
|aucagaaggcugcguguuua..... | 151 | 0 | s09 |
|aucagaCggcugcguguuua..... | 1 | 1 | s09 |
|aucagaaggcugcguguucaaag..... | 2 | 0 | s09 |
|aucagaaggcugcguguucaaagucac..... | 1 | 0 | s09 |
|ucagaaggcugcguguuuc..... | 1 | 0 | s09 |
|ucagaaggcugcguguuua..... | 11 | 0 | s09 |
|Acagaaggcugcguguuua..... | 17 | 1 | s09 |
|cagaaggcugcguguuua..... | 2 | 0 | s09 |
|Aagaaggcugcguguuua..... | 7 | 1 | s09 |
|Aagaaggcugcguguucaaagucacgucgg..... | 1 | 1 | s09 |
|agaaggcugcguguucaaag..... | 2 | 0 | s09 |
|Aaaggcugcguguucaaagucacgucgggg..... | 1 | 1 | s09 |
|gaaggcugcguguucaaagucacgucgggggu..... | 1 | 0 | s09 |
|Agcguguucaaagucacgucgggg..... | 2 | 1 | s09 |
|Agcguguucaaagucacgucgggggu..... | 1 | 1 | s09 |
|Acguguucaaagucacgucgggggu..... | 1 | 1 | s09 |
|Aguguucaaagucacgucgggg..... | 2 | 1 | s09 |
|Aguguucaaagucacgucgggggu..... | 1 | 1 | s09 |
|Aguucaaagucacgucgggg..... | 2 | 1 | s09 |
|Aaguggacuccguggcgcaaugguagcg..... | 1 | 1 | s72 |
|agGggacuccguggcgcaaugguag..... | 1 | 1 | s72 |
|Agacuccguggcgcaaugguag..... | 2 | 1 | s72 |
|Agacuccguggcgcaaugguagc..... | 18 | 1 | s72 |
|Agacuccguggcgcaaugguagcg..... | 1 | 1 | s72 |
|Agacuccguggcgcaaugguagcgcgucu..... | 1 | 1 | s72 |
|gacuccguggcgcaaugguagc..... | 3 | 0 | s72 |
|acuccguggcgcaaugguagc..... | 1 | 0 | s72 |
|cuccguggcgcaaugguagc..... | 1 | 0 | s72 |
|Acguggcgcaaugguagcgcgucugac..... | 1 | 1 | s72 |
|Aggcgcaaugguagcgcgucugacucc..... | 1 | 1 | s72 |
|aaugguagcgcgucugacucc..... | 1 | 0 | s72 |
|augguagcgcAucugacu..... | 1 | 1 | s72 |
|augguagcgcgucugacucc..... | 1 | 0 | s72 |
|augguagcgcgucugacuccaga..... | 1 | 0 | s72 |

Star Mature

| | | | |
|---|-----|---|-----|
| guuuuacaccaguuuuuacaagggaaacaaagaucgccucuauguggacuccgugggcgcaaugguagcgcgucugacuccagaucaagaaggcugcguguucaaagucacgucggggg | | | |
|Agguagcgcgucugacucca..... | 1 | 1 | s72 |
|Auagcgcgucugacuccaga..... | 2 | 1 | s72 |
|agcgcgucugacuccagaucaagaaggu..... | 1 | 0 | s72 |
|Aucugacuccagaucaagaaggu..... | 1 | 1 | s72 |
|Acugacuccagaucaagaaggcugcguguu..... | 4 | 1 | s72 |
|Augacuccagaucaagaaggcugcgug..... | 1 | 1 | s72 |
|Augacuccagaucaagaaggcugcgugu..... | 1 | 1 | s72 |
|Augacuccagaucaagaaggcugcguguu..... | 1 | 1 | s72 |
|Agacuccagaucaagaaggcugcgug..... | 1 | 1 | s72 |
|Agacuccagaucaagaaggcugcgugu..... | 1 | 1 | s72 |
|Agacuccagaucaagaaggcugcguguu..... | 1 | 1 | s72 |
|Agacuccagaucaagaaggcugcguguuc..... | 1 | 1 | s72 |
|Aacuccagaucaagaaggcugcgugu..... | 1 | 1 | s72 |
|acuccagaucaagaaggcugcg..... | 2 | 0 | s72 |
|acuccaUaucagaaggcugcgug..... | 2 | 1 | s72 |
|acuccagaucaagaaggcugcguguuc..... | 1 | 0 | s72 |
|Auccagaucaagaaggcugcg..... | 1 | 1 | s72 |
|Accagaucaagaaggcugcgugu..... | 1 | 1 | s72 |
|Accagaucaagaaggcugcguguu..... | 1 | 1 | s72 |
|Accagaucaagaaggcugcguguuca..... | 1 | 1 | s72 |
|Aagaucaagaaggcugcguguu..... | 1 | 1 | s72 |
|agaucagaaggcugcguguuca..... | 2 | 0 | s72 |
|Aaucagaaggcugcgugu..... | 19 | 1 | s72 |
|Aaucagaaggcugcguguu..... | 8 | 1 | s72 |
|Aaucagaaggcugcguguuc..... | 2 | 1 | s72 |
|Aaucagaaggcugcguguuca..... | 11 | 1 | s72 |
|Aaucagaaggcugcguguucaag..... | 1 | 1 | s72 |
|Aaucagaaggcugcguguucaagu..... | 1 | 1 | s72 |
|aucagaaggcugcguguu..... | 66 | 0 | s72 |
|aucagaaggcuUcguguu..... | 1 | 1 | s72 |
|aucCgaaggcugcguguu..... | 3 | 1 | s72 |
|aucagaaggcugcguguG..... | 1 | 1 | s72 |
|aucagCaggcugcguguuc..... | 1 | 1 | s72 |
|aucCgaaggcugcguguuc..... | 1 | 1 | s72 |
|aucagaaggcugcguguuc..... | 88 | 0 | s72 |
|aucagaagUcugcguguuca..... | 1 | 1 | s72 |
|aucagaaAgcugcguguuca..... | 1 | 1 | s72 |
|aucCgaaggcugcguguuca..... | 2 | 1 | s72 |
|aucagaaggcugcguguuca..... | 444 | 0 | s72 |
|aucagCaggcugcguguuca..... | 1 | 1 | s72 |
|aucagaCggcugcguguuca..... | 4 | 1 | s72 |
|aucagaaggcuUcguguuca..... | 2 | 1 | s72 |
|aucagaaggcugcguguucaag..... | 3 | 0 | s72 |
|aucagaaggcugcguguucaagucacg..... | 1 | 0 | s72 |
|aucagaaggcugcguguucaGgucacguc..... | 1 | 1 | s72 |
|aucagaaggcugcguguucaGgucacgucg..... | 2 | 1 | s72 |
|aucagaaggcugcguguucaagucacgucg..... | 2 | 0 | s72 |
|Acagaaggcugcguguuc..... | 15 | 1 | s72 |
|ucagaaggcugcguguuc..... | 4 | 0 | s72 |
|ucagaaggcugcguguuca..... | 34 | 0 | s72 |
|ucagCaggcugcguguuca..... | 1 | 1 | s72 |
|Acagaaggcugcguguuca..... | 17 | 1 | s72 |
|Acagaaggcugcguguucaaguca..... | 1 | 1 | s72 |
|cagaaggcugcguguuca..... | 1 | 0 | s72 |
|cagaCggcugcguguuca..... | 1 | 1 | s72 |
|Aagaaggcugcguguuca..... | 6 | 1 | s72 |
|cagaaggcugcguguucaagucacgucggg..... | 1 | 0 | s72 |
|agaaggcugcguguucaag..... | 2 | 0 | s72 |
|agaaggcugcguguucaagucac..... | 1 | 0 | s72 |
|agaaggcugcguguucaUgucacgucgg..... | 1 | 1 | s72 |
|agaaggcugcguguucaagucacgucgggg..... | 1 | 0 | s72 |
|Aaaggcugcguguucaagu..... | 1 | 1 | s72 |
|Aaaggcugcguguucaagucacg..... | 1 | 1 | s72 |
|Augcguguucaagucacgucggggg..... | 1 | 1 | s72 |
|Agcguguucaagucacgucggg..... | 1 | 1 | s72 |
|Auguucaagucacgucggggg..... | 2 | 1 | s72 |
|Aguucaagucacgucggggg..... | 1 | 1 | s72 |
|Auucaagucacgucggggg..... | 1 | 1 | s72 |
|aAaaagaucgccucuaug..... | 1 | 1 | s52 |

Star Mature

| | | | |
|---|-----|---|-----|
| guuuccuaccaguuuuuacaagggaacaagaucgccucuaugggacuccgugggcgcaauugguagcgcgucugacuccagaucaagaaggcguguguucaagucacgucggggg | | | |
|Aaguggacuccgugggcg..... | 3 | 1 | s52 |
|aguggacuccgugggcgcaauuggua..... | 1 | 0 | s52 |
|aguggaUuccgugggcgcaauugguagcgcg..... | 1 | 1 | s52 |
|guggacuccgugggcgcaauugguag..... | 1 | 0 | s52 |
|Aggacuccgugggcgcaauuggu..... | 1 | 1 | s52 |
|Agacuccgugggcgcaauugguag..... | 4 | 1 | s52 |
|Agacuccgugggcgcaauugguagc..... | 20 | 1 | s52 |
|Agacuccgugggcgcaauugguagcg..... | 1 | 1 | s52 |
|Agacuccgugggcgcaauugguagcgcguc..... | 3 | 1 | s52 |
|gacuccgugggcgcaauugguagc..... | 2 | 0 | s52 |
|acuccgugggcgcaauugguag..... | 1 | 0 | s52 |
|gcaauugguagcgcgucugacuccaga..... | 1 | 0 | s52 |
|Aaaugguagcgcgucugacuccagauc..... | 1 | 1 | s52 |
|augguagcgcgucugacuccagauc..... | 2 | 0 | s52 |
|Auagcgcgucugacuccagacagaa..... | 1 | 1 | s52 |
|agcgcgucugacuccagacagaaaggcg..... | 2 | 0 | s52 |
|Aucugacuccagacagaaaggcguguu..... | 1 | 1 | s52 |
|ucugacuccagacagaaaggcg..... | 1 | 0 | s52 |
|Acugacuccagacagaaaggcg..... | 1 | 1 | s52 |
|Acugacuccagacagaaaggcgugug..... | 1 | 1 | s52 |
|Acugacuccagacagaaaggcguguguc..... | 1 | 1 | s52 |
|Augacuccagacagaaaggcgugug..... | 1 | 1 | s52 |
|Augacuccagacagaaaggcguguguu..... | 1 | 1 | s52 |
|Augacuccagacagaaaggcguguguca..... | 1 | 1 | s52 |
|Agacuccagacagaaaggcgugug..... | 2 | 1 | s52 |
|Agacuccagacagaaaggcgugug..... | 1 | 1 | s52 |
|Agacuccagacagaaaggcgugug..... | 1 | 1 | s52 |
|Agacuccagacagaaaggcguguguca..... | 1 | 1 | s52 |
|Aacuccagacagaaaggcg..... | 1 | 1 | s52 |
|Aacuccagacagaaaggcgugugucaag..... | 1 | 1 | s52 |
|acuccagacagaaaggcgugug..... | 2 | 0 | s52 |
|acuccagCucagaaggcgugug..... | 1 | 1 | s52 |
|acuccagacagaaaggcgugug..... | 1 | 0 | s52 |
|acuccagacagaaaggcgugug..... | 1 | 0 | s52 |
|acuccagacagaaaggcgugug..... | 1 | 0 | s52 |
|acuccagacagaaaggcgugug..... | 1 | 0 | s52 |
|acuccagacagaaaggcgugug..... | 1 | 0 | s52 |
|acuccagacagaaaggcgugug..... | 1 | 1 | s52 |
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|acuccagacagaaaggcgugug..... | 1 | 0 | s52 |
|Auccagacagaaaggcgugug..... | 1 | 1 | s52 |
|Auccagacagaaaggcgugug..... | 2 | 1 | s52 |
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|cuccagacagaaaggcgugug..... | 1 | 0 | s52 |
|Auccagacagaaaggcgugug..... | 1 | 1 | s52 |
|Auccagacagaaaggcgugugucaaguc..... | 1 | 1 | s52 |
|uccagacagaaaggcgugug..... | 1 | 0 | s52 |
|Accagacagaaaggcgugug..... | 1 | 1 | s52 |
|Accagacagaaaggcgugug..... | 1 | 1 | s52 |
|Accagacagaaaggcgugug..... | 1 | 1 | s52 |
|Aucagaaggcgugugug..... | 8 | 1 | s52 |
|Aucagaaggcgugugug..... | 3 | 1 | s52 |
|Aucagaaggcgugugug..... | 2 | 1 | s52 |
|Aucagaaggcguguguguca..... | 5 | 1 | s52 |
|aucagaaggcgugugug..... | 12 | 0 | s52 |
|aucagaaggcguguguuU..... | 1 | 1 | s52 |
|aucagaCggcguguguguc..... | 1 | 1 | s52 |
|aucagaaggcgugugCuc..... | 1 | 1 | s52 |
|aucagaaggcguguguguc..... | 72 | 0 | s52 |
|aucCgaaggcguguguguca..... | 3 | 1 | s52 |
|auAgaaggcguguguguca..... | 1 | 1 | s52 |
|aucagaaAgcguguguguca..... | 1 | 1 | s52 |
|aucagaaggcguguguguca..... | 224 | 0 | s52 |
|aucagaaggcguguguucaa..... | 1 | 0 | s52 |
|aucagaaggcguguguucaaag..... | 1 | 0 | s52 |
|aucagaaggcguguguucaaaguc..... | 1 | 0 | s52 |
|aucagaaggcguguguucaaagucacguc..... | 1 | 1 | s52 |
|aucagaaggcguguguucaaagucacgucg..... | 1 | 0 | s52 |
|ucagaaggcguguguguc..... | 5 | 0 | s52 |
|Acagaaggcguguguguc..... | 2 | 1 | s52 |
|ucagaaggcguguguuU..... | 1 | 1 | s52 |
|ucagaaggcguguguguca..... | 17 | 0 | s52 |
|Acagaaggcguguguguca..... | 14 | 1 | s52 |

Star Mature

| | | | |
|---|-----|---|-----|
| guuuuacccaguuuuuacaagggaaacaagaucgccucuaguggacuccgugcgcaauugguagcgcgucugacuccagau | 1 | 0 | s52 |
|ucagaaggcugcguguucaagucacgucgg... | 12 | 1 | s52 |
|Aagaaggcugcguguuca..... | 6 | 0 | s52 |
|cagaaggcugcguguuca..... | 1 | 1 | s52 |
|Aagaaggcugcguguucaagucac..... | 1 | 0 | s52 |
|agaaggcugcguguucaa..... | 1 | 0 | s52 |
|agaaggcugcguguucaagucacg..... | 1 | 0 | s52 |
|agaaggcugcguguucaagucacgu..... | 3 | 1 | s52 |
|Aaaggcugcguguucaagu..... | 1 | 1 | s52 |
|aaggcugcguguucaagu..... | 1 | 0 | s52 |
|aaggcugcguguucaagucacgucggg..... | 1 | 0 | s52 |
|aggcugcguguucaagucac..... | 2 | 0 | s52 |
|aggcugcguguucaagucacgucggggu..... | 2 | 0 | s52 |
|Acguguucaagucacgucgg..... | 3 | 1 | s52 |
|Acguguucaagucacgucggggu..... | 2 | 1 | s52 |
|Aguguucaagucacgucggggu..... | 1 | 1 | s52 |
|Aguucaagucacgucggg..... | 2 | 1 | s52 |
|Auucaagucacgucggg..... | 1 | 1 | s52 |
|cuaguggaUuccgugcgcaauugguag..... | 1 | 1 | s23 |
|Aaguggacuccgugcgcaauugguagc..... | 1 | 1 | s23 |
|Agguagcgcgucugacuccagau..... | 1 | 1 | s23 |
|Agcgucugacuccagaucaaggcugcg..... | 1 | 1 | s23 |
|Agacuccagaucaaggcugcg..... | 2 | 1 | s23 |
|Aacuccagaucaaggcugcgug..... | 2 | 1 | s23 |
|acuccagaucaaggc..... | 1 | 0 | s23 |
|acuccagaucaaggcugcg..... | 1 | 0 | s23 |
|acuccagaucaaggcugcgug..... | 1 | 0 | s23 |
|acuccagaucaaggcugcguguu..... | 2 | 0 | s23 |
|Auccagaucaaggcugcguguu..... | 1 | 1 | s23 |
|Acagaucaaggcugcgug..... | 2 | 1 | s23 |
|aAaucagaaggcugcguguuca..... | 2 | 1 | s23 |
|Aaucagaaggcugcgug..... | 6 | 1 | s23 |
|Aaucagaaggcugcguguu..... | 2 | 1 | s23 |
|Aaucagaaggcugcguguu..... | 1 | 1 | s23 |
|Aaucagaaggcugcguguuca..... | 15 | 1 | s23 |
|aucagaaggcugcguguu..... | 1 | 0 | s23 |
|aucagaaggcugcguguu..... | 16 | 0 | s23 |
|aucagaCggcugcguguu..... | 1 | 1 | s23 |
|aucagaaggcugcguguuca..... | 162 | 0 | s23 |
|aucagaCggcugcguguuca..... | 1 | 1 | s23 |
|aucagaagUcugcguguuca..... | 1 | 1 | s23 |
|aucagaaggcugcguguucaag..... | 1 | 0 | s23 |
|aucagaaggcugcguguucaaguc..... | 3 | 0 | s23 |
|aucagaaggcugcguguucaagucacgucg..... | 2 | 0 | s23 |
|Acagaaggcugcguguu..... | 10 | 1 | s23 |
|Acagaaggcugcguguuca..... | 30 | 1 | s23 |
|ucagaaggcugcguguuca..... | 13 | 0 | s23 |
|ucagaCggcugcguguuca..... | 1 | 1 | s23 |
|Acagaaggcugcguguuca..... | 3 | 1 | s23 |
|Acagaaggcugcguguucaag..... | 1 | 1 | s23 |
|Acagaaggcugcguguucaagucacgucg..... | 1 | 1 | s23 |
|cagaaggcugcguguuca..... | 5 | 0 | s23 |
|Aagaaggcugcguguuca..... | 10 | 1 | s23 |
|agaaggcugcguguucaag..... | 1 | 0 | s23 |
|agaaggcugcguguucaagucacgucgg..... | 1 | 0 | s23 |
|gaaggcugcguguucaagucacgucggggu..... | 1 | 0 | s23 |
|aaggcugcguguucaagucac..... | 1 | 0 | s23 |
|aaggcugcguguucaagucacgucggggu..... | 2 | 0 | s23 |
|Acugcguguucaagucacgucggggu..... | 1 | 1 | s23 |
|Agcguguucaagucacgucgg..... | 1 | 1 | s23 |
|Agcguguucaagucacgucggg..... | 1 | 1 | s23 |
|Agcguguucaagucacgucggggu..... | 5 | 1 | s23 |
|gcguguucaagucacgucggggu..... | 1 | 0 | s23 |
|Aguucaagucacgucggggu..... | 1 | 1 | s23 |
|aagggaacaagaucgccucuagug..... | 1 | 0 | s35 |
|Aaguggacuccgugcgcaauugguagc..... | 1 | 1 | s35 |
|aguggacuccgugcgcaauugguagcgcg..... | 1 | 0 | s35 |

Star Mature

guuuccuaccaguuuuuacaagggaacaaagauccgccucuaugggacuccgugggcgcaaugguagcgcgucugacuccagaucaagaaggcgugugucaagucacgucggggu

| | | | |
|---|-----|---|-----|
|Agacuccgugggcgcaaugguagc..... | 1 | 1 | s35 |
|Agacuccgugggcgcaaugguagcguc..... | 1 | 1 | s35 |
|Aguggcgcaaugguagcg..... | 1 | 1 | s35 |
|Acgcaaugguagcgcgucug..... | 1 | 1 | s35 |
|Aaaugguagcgcgucugacuccaga..... | 1 | 1 | s35 |
|augguagcgcgucugacuccaAa..... | 1 | 1 | s35 |
|augguagcgcgucugacuccagaucc..... | 1 | 0 | s35 |
|augguagcgcgucugacuccagaucaag..... | 1 | 0 | s35 |
|ugguagcgcgucugacucc..... | 1 | 0 | s35 |
|Agguagcgcgucugacuccagaucc..... | 1 | 1 | s35 |
|Agguagcgcgucugacuccagaucaag..... | 3 | 1 | s35 |
|gguagcgcgucugacuccagaucaag..... | 1 | 1 | s35 |
|Agucugacuccagaucaagaaggcgug..... | 1 | 1 | s35 |
|Agucugacuccagaucaagaaggcgug..... | 1 | 1 | s35 |
|Agucugacuccagaucaagaaggcgug..... | 1 | 1 | s35 |
|Aucugacuccagaucaagaaggcgug..... | 2 | 1 | s35 |
|Aucugacuccagaucaagaaggcgug..... | 1 | 1 | s35 |
|Acugacuccagaucaagaaggcgug..... | 2 | 1 | s35 |
|Augacuccagaucaagaaggcgug..... | 1 | 1 | s35 |
|Augacuccagaucaagaaggcgug..... | 1 | 1 | s35 |
|Agacuccagaucaagaaggcgug..... | 2 | 1 | s35 |
|Agacuccagaucaagaaggcgug..... | 3 | 1 | s35 |
|Agacuccagaucaagaaggcgug..... | 2 | 1 | s35 |
|ugacuccagaucaagaaggcgug..... | 1 | 0 | s35 |
|acuccagaucaagaaggcgug..... | 2 | 0 | s35 |
|acuccagaucaagaaggcguguuA..... | 1 | 1 | s35 |
|Auccagaucaagaaggcgug..... | 1 | 1 | s35 |
|Auccagaucaagaaggcguguucaaguc..... | 1 | 1 | s35 |
|cuccagaucaagaaggcguguucaaguc..... | 1 | 0 | s35 |
|Accagaucaagaaggcgug..... | 1 | 1 | s35 |
|Accagaucaagaaggcgug..... | 2 | 1 | s35 |
|uccagaucaagaaggcguguu..... | 1 | 0 | s35 |
|ccagaucaagaaggcgug..... | 1 | 0 | s35 |
|Acagaucaagaaggcgug..... | 2 | 1 | s35 |
|agaucaagaaggcgug..... | 2 | 0 | s35 |
|Aaucagaaggcgug..... | 1 | 1 | s35 |
|Aaucagaaggcguguu..... | 2 | 1 | s35 |
|Aaucagaaggcguguuca..... | 7 | 1 | s35 |
|Aaucagaaggcguguucaag..... | 1 | 1 | s35 |
|aucagaaggcguguu..... | 5 | 0 | s35 |
|aucagaaggcguguuU..... | 2 | 1 | s35 |
|aucagaaggcguguuuc..... | 50 | 0 | s35 |
|aucagaaggcguguuU..... | 1 | 1 | s35 |
|aucagaaggcguguuuca..... | 239 | 0 | s35 |
|aucagaaggcuAcguguuca..... | 1 | 1 | s35 |
|aucagaaggcgugCguuca..... | 1 | 1 | s35 |
|aucagaaAgcuguguuca..... | 1 | 1 | s35 |
|aucagaCggcguguguuca..... | 2 | 1 | s35 |
|aucagaaggcguguguucaa..... | 1 | 0 | s35 |
|aucagaCggcguguguucaag..... | 1 | 1 | s35 |
|aucagaaggcguguguucaag..... | 1 | 0 | s35 |
|aucagaaggcguguguucaaguc..... | 3 | 0 | s35 |
|aucagaaggcguguguucaaguca..... | 2 | 0 | s35 |
|aucagaaggcguguguucaagucacg..... | 2 | 0 | s35 |
|aucagaaggcguguguucaagucacgu..... | 1 | 0 | s35 |
|aucagaaggcguguguucaagucacguc..... | 3 | 0 | s35 |
|ucagaaggcguguguuuc..... | 1 | 0 | s35 |
|Acagaaggcguguguuuc..... | 10 | 1 | s35 |
|Acagaaggcguguguuuca..... | 26 | 1 | s35 |
|ucagaaggcguguguuuca..... | 16 | 0 | s35 |
|Acagaaggcguguguuucaagucacgucg..... | 1 | 1 | s35 |
|Acagaaggcguguguuucaagucacgucg..... | 3 | 1 | s35 |
|Aagaaggcguguguuuca..... | 17 | 1 | s35 |
|cagaaggcguguguuuca..... | 1 | 0 | s35 |
|Aagaaggcguguguuucaag..... | 1 | 1 | s35 |
|Aagaaggcguguguuucaagu..... | 3 | 1 | s35 |
|Aagaaggcguguguuucaaguc..... | 1 | 1 | s35 |
|cagaaggcguguguuucaagucacgucg..... | 1 | 0 | s35 |
|Aagaaggcguguguuucaagucacgucg..... | 1 | 1 | s35 |

Star Mature

guuucuaaccaguuuuuacaagggaacaaagauccgcccuauguggacuccguggcgcaaugguagcgcgucugacuccagaucaagaaggcugcguguucaagucacgucgggggu

| | | | |
|---|-----|---|-----|
|agaaggcugcguguucaag..... | 2 | 0 | s35 |
|agaaggcugcguguucaaguc..... | 1 | 0 | s35 |
|agaaggcugcguguucaUgucacgucggg.. | 3 | 1 | s35 |
|Aaaggcugcguguucaaguca..... | 1 | 1 | s35 |
|gaaggcugcguguucaagucacgucgggggu | 1 | 0 | s35 |
|aaggcugcguguucaagucacgucggg... | 1 | 0 | s35 |
|Agcguguucaagucacgucggg... | 2 | 1 | s35 |
|Agcguguucaagucacgucggg.. | 3 | 1 | s35 |
|Agcguguucaagucacgucgggg.. | 2 | 1 | s35 |
|Aguguucaagucacgucggg... | 1 | 1 | s35 |
|Aguguucaagucacgucgggg.. | 2 | 1 | s35 |
|Aguguucaagucacgucgggggu | 1 | 1 | s35 |
|Aguucaagucacgucggg.. | 2 | 1 | s35 |
|Aguucaagucacgucgggg.. | 1 | 1 | s35 |
|Agacuccguggcgcaaugguagc..... | 4 | 1 | s85 |
|Agacuccguggcgcaaugguagcg..... | 1 | 1 | s85 |
|Aguggcgcaaugguagcgcgu..... | 1 | 1 | s85 |
|augguagcgcgucugacuc..... | 1 | 0 | s85 |
|augguagcgcgucugacucca..... | 1 | 0 | s85 |
|ugguagcgcgucugacucca..... | 1 | 0 | s85 |
|Auagcgcgucugacucca..... | 1 | 1 | s85 |
|Auagcgcgucugacuccaga..... | 1 | 1 | s85 |
|Acgcgucugacuccagaucaagaaggcugcg... | 1 | 1 | s85 |
|Aucugacuccagaucaagaaggcugcgugu.. | 1 | 1 | s85 |
|Acugacuccagaucaagaaggcugcgugu.. | 1 | 1 | s85 |
|Acugacuccagaucaagaaggcugcgugu.. | 3 | 1 | s85 |
|Augacuccagaucaagaaggcugcg... | 1 | 1 | s85 |
|Augacuccagaucaagaaggcugcgugu.. | 1 | 1 | s85 |
|Agacuccagaucaagaaggcu..... | 1 | 1 | s85 |
|Agacuccagaucaagaaggcugcg... | 1 | 1 | s85 |
|Agacuccagaucaagaaggcugcgug... | 2 | 1 | s85 |
|Agacuccagaucaagaaggcugcgug... | 1 | 1 | s85 |
|Agacuccagaucaagaaggcugcgugu.. | 1 | 1 | s85 |
|acuccagaucaagaaggcugcguguuu.. | 1 | 0 | s85 |
|acuccagaucaagaaggcugcguguuca.. | 1 | 0 | s85 |
|Accagaucaagaaggcugcg..... | 1 | 1 | s85 |
|Accagaucaagaaggcugcguguuca.. | 1 | 1 | s85 |
|Agaucagaagaaggcugcguguuca.. | 1 | 1 | s85 |
|Aaucagaaggcugcgugu.. | 24 | 1 | s85 |
|Aaucagaaggcugcguguuu.. | 18 | 1 | s85 |
|AaucagaaggcugcguguuC..... | 11 | 1 | s85 |
|Aaucagaaggcugcguguuca..... | 26 | 1 | s85 |
|Aaucagaaggcugcguguucaagucacg... | 1 | 1 | s85 |
|Aaucagaaggcugcguguucaagucacguc... | 2 | 1 | s85 |
|aucCgaaggcugcgugu.. | 1 | 1 | s85 |
|aucagaCggcugcgugu.. | 1 | 1 | s85 |
|aucagaaggcugcgugu.. | 73 | 0 | s85 |
|aucagaaAgcugcguguuc..... | 1 | 1 | s85 |
|aucagaaggcugcguguuuU..... | 5 | 1 | s85 |
|aucagCaggcugcguguuc..... | 3 | 1 | s85 |
|aucagaaggcugcguguuc..... | 313 | 0 | s85 |
|aucagaCggcugcguguuc..... | 2 | 1 | s85 |
|aucCgaaggcugcguguuc..... | 2 | 1 | s85 |
|aucCgaaggcugcguguuca..... | 5 | 1 | s85 |
|aCcagaaggcugcguguuca..... | 1 | 1 | s85 |
|aucagaaggcuUcguguuca..... | 1 | 1 | s85 |
|aucagaaggAUGCguguuca..... | 1 | 1 | s85 |
|aucaAaaggcugcguguuca..... | 2 | 1 | s85 |
|aucagaaggcugUguguuca..... | 1 | 1 | s85 |
|aucagaaggcugcguAuca..... | 1 | 1 | s85 |
|aucagCaggcugcguguuca..... | 6 | 1 | s85 |
|aucagaaAgcugcguguuca..... | 1 | 1 | s85 |
|aucagaaggcCgcguguuca..... | 2 | 1 | s85 |
|aucagaaggcugcguguuca..... | 973 | 0 | s85 |
|aucagaaggcuAcguguuca..... | 1 | 1 | s85 |
|aucagaCggcugcguguuca..... | 5 | 1 | s85 |
|aucagaaggcugcguguucaa..... | 1 | 0 | s85 |
|aucagaaggcugcguguucaCg..... | 1 | 1 | s85 |
|aucagaaggcugcguguucaag..... | 18 | 0 | s85 |

Star Mature

| | | | | |
|--|--|----|---|-----|
| guuuccuaccaguuuuuacaagggaacaaagauccgccucuaugggacuccgugggcgcaaugguagcgcgucugacuccagau | cagaagggcugcguguucaaagucacguc | 1 | 0 | s85 |
| ..... | .....aucagaagggcugcguguucaaagucacguc..... | 5 | 0 | s85 |
| ..... | .....aucagaagggcugcguguucaaagucacgucg..... | 24 | 0 | s85 |
| ..... | .....ucagaagggcugcguguuc..... | 10 | 1 | s85 |
| ..... | .....Acagaagggcugcguguuc..... | 2 | 1 | s85 |
| ..... | .....ucagCagggcugcguguuca..... | 1 | 1 | s85 |
| ..... | .....ucagaagggcugcguguuGa..... | 1 | 1 | s85 |
| ..... | .....ucagaagggcugcguguucC..... | 59 | 0 | s85 |
| ..... | .....ucagaagggcugcguguuca..... | 2 | 1 | s85 |
| ..... | .....ucCgaagggcugcguguuca..... | 42 | 1 | s85 |
| ..... | .....Acagaagggcugcguguuca..... | 1 | 0 | s85 |
| ..... | .....ucagaagggcugcguguucaag..... | 1 | 1 | s85 |
| ..... | .....Acagaagggcugcguguucaag..... | 1 | 1 | s85 |
| ..... | .....Acagaagggcugcguguucaaguc..... | 1 | 1 | s85 |
| ..... | .....ucagaagggcugcguguucaGgucacgucg..... | 1 | 1 | s85 |
| ..... | .....ucagaagggcugcguguucaGgucacgucgg..... | 13 | 0 | s85 |
| ..... | .....cagaagggcugcguguuca..... | 1 | 1 | s85 |
| ..... | .....cagCagggcugcguguuca..... | 8 | 1 | s85 |
| ..... | .....Aagaagggcugcguguuca..... | 1 | 0 | s85 |
| ..... | .....cagaagggcugcguguucaGgucacgucg..... | 1 | 1 | s85 |
| ..... | .....cagaagggcugcguguucaGgucacgucg..... | 1 | 0 | s85 |
| ..... | .....cagaagggcugcguguucaag..... | 3 | 0 | s85 |
| ..... | .....agaagggcugcguguucaag..... | 1 | 0 | s85 |
| ..... | .....agaagggcugcguguucaaguca..... | 1 | 0 | s85 |
| ..... | .....agaagggcugcguguucaagucacgucggg..... | 1 | 0 | s85 |
| ..... | .....agaagggcugcguguucaGgucacgucgggg..... | 3 | 1 | s85 |
| ..... | .....Aaagggcugcguguucaag..... | 1 | 0 | s85 |
| ..... | .....gaagggcugcguguucaag..... | 1 | 1 | s85 |
| |Aaagggcugcguguucaagucacgucgggg..... | 1 | 0 | s85 |
| |aagggcugcguguucaaguca..... | 1 | 0 | s85 |
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| |aagggcugcguguucaagucacgucgggg..... | 1 | 0 | s85 |
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| |Agcguguucaagucacgucgggg..... | 1 | 1 | s85 |
| |Agcguguucaagucacgucgggg..... | 3 | 1 | s85 |
| |Agcguguucaagucacgucgggg..... | 3 | 1 | s85 |
| ..... | .....Acguguucaagucacgucgggg..... | 1 | 1 | s85 |
| ..... | .....Aguguucaagucacgucgg..... | 1 | 1 | s85 |
| ..... | .....Aguguucaagucacgucgggg..... | 2 | 1 | s85 |
| ..... | .....Aguucaagucacgucgggg..... | 2 | 1 | s85 |