

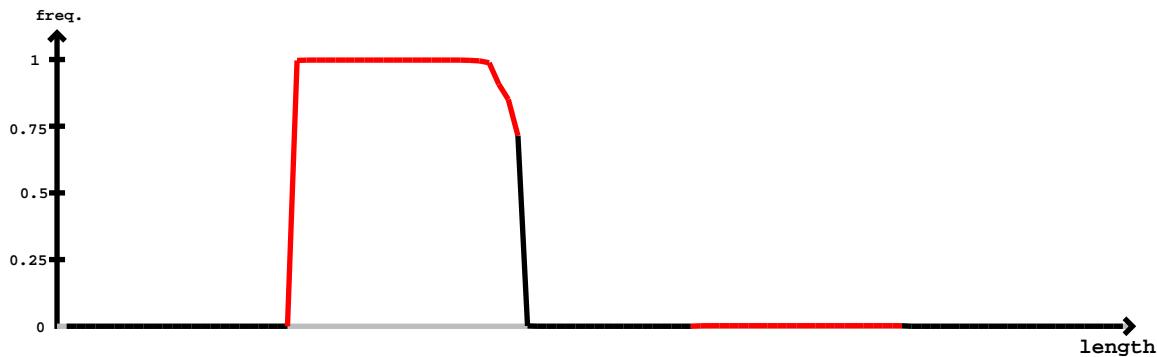
miRBase precursor : hsa-mir-7-1

Total read count : 95267

hsa-miR-7-5p read count : 95071

hsa-miR-7-1-3p read count : 193

remaining reads : 3



hsa-miR-7-5p

5'	-3'	exp	sample
.....	1	z1_
.....	14	z1_
.....	21	z1_
.....	1	z1_
.....	9	z1_
.....	1	z1_
.....	1	z1_
.....	1	z1_
.....	1	z1_
.....	1	z1_
.....	1	z1_
.....	1	z1_
.....	1	z1_
.....	1	z1_
.....	1	z1_
.....	1	z1_
.....	1	z1_
.....	2	z1_
.....	5	z1_
.....	3	z1_
.....	4	z1_
.....	2	z1_
.....	9	z1_
.....	7	z1_
.....	4	z1_
.....	3	z1_
.....	7	z1_
.....	3	z1_
.....	2	z1_
.....	3	z1_
.....	1	z1_
.....	850	z1_
.....	2	z1_
.....	1	z1_
.....	1	z1_
.....	5	z1_
.....	3	z1_
.....	1	z1_
.....	2	z1_

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uggauguuuggccuaaguuucuguguggaagacuagugauuuugguuuuagauaacuaaaucga**caacaaaaucacagcugccaua**uggcacaggccaugccucuacag

.....uggaagGcuagugauuuuggu.....	5	1	z1_
.....uggaagacuagugauuuuggu <u>C</u>	73	1	z1_
.....uggaagacuagugau <u>C</u>	3	1	z1_
.....uggaagacuagugau <u>C</u>	2	1	z1_
.....uggaagacuag <u>A</u>	1	1	z1_
.....uggaCgacuagugauuuuggu.....	3	1	z1_
.....uggaagacuagugauuuugg <u>G</u>	1	1	z1_
.....uggaagacuagugauuuugg <u>C</u>	2	1	z1_
.....uggaUgacuagugauuuuggu.....	1	1	z1_
.....uggaGgacuagugauuuuggu.....	3	1	z1_
.....uggaagacuagugau <u>C</u>	2	1	z1_
.....uggaagacuagugauuuugg <u>A</u>	28	1	z1_
.....uggaagacuagugauuuugg <u>A</u>	1	1	z1_
.....uggaagacuagug <u>G</u>	2	1	z1_
.....uggaagacuag <u>G</u>	1	1	z1_
.....Aggaagacuagugauuuugg.....	1	1	z1_
.....uggaagacuagugauu <u>C</u>	1	1	z1_
.....Cggagacuagugauuuugg.....	2	1	z1_
.....uggaagacuag <u>U</u>	1	1	z1_
.....uggaagacuag <u>G</u>	1	1	z1_
.....uggaagacuagugauuuugg.....	577	0	z1_
.....uggaaga <u>U</u>	1	1	z1_
.....uggaagacuagugauuuugg <u>G</u>	6	1	z1_
.....uggaagGcuagugauuuugg.....	3	1	z1_
.....uggaagacuaguga <u>U</u>	2	1	z1_
.....uggaagacuagugauuuugg <u>U</u>	6	1	z1_
.....uggaagacu <u>G</u>	2	1	z1_
.....uggaagacuag <u>U</u>	1	1	z1_
.....uggGagacuagugauuuugg.....	3	1	z1_
.....uggaagac <u>G</u>	4	1	z1_
.....ugg <u>U</u>	1	1	z1_
.....uggaagacuagugauuuugg <u>G</u>	1	1	z1_
.....uggaagacuagugauuu <u>A</u>	1	1	z1_
.....Aggaagacuagugauuuugg.....	4	1	z1_
.....uggaagacuagugauuuugg <u>C</u>	6	1	z1_
.....uggaagacuagugauuuugg <u>C</u>	3	1	z1_
.....uggaagacuagugauuuugg <u>A</u>	101	1	z1_
.....uggaagacuagugauuuugg <u>A</u>	6	1	z1_
.....uggaagacuagugauuuugg <u>A</u>	2	1	z1_
.....uggaagacuagugauuuugg <u>G</u>	9	1	z1_
.....uggaagacuagugauuuugg <u>A</u>	2	1	z1_
.....uggaagacuagugau <u>C</u>	4	1	z1_
.....uggaagacuagugauuuugg <u>C</u>	1	1	z1_
.....uggaagacuagugauuuugg <u>G</u>	6	1	z1_
.....uggaagacuagugauuuugg <u>U</u>	2	1	z1_
.....uggaagacuagugauuuugg <u>U</u>	4	1	z1_
.....uggaagacuagugauuuugg <u>U</u>	2	1	z1_
.....uggaagGcuagugauuuugg.....	15	1	z1_
.....uggaagacuaguga <u>U</u>	1	1	z1_
.....uggaagacuagugauuuugg <u>C</u>	2	1	z1_
.....uggaagacu <u>G</u>	2	1	z1_
.....Cggagacuagugauuuugg.....	4	1	z1_
.....ugga <u>A</u>	1	1	z1_
.....uggaagacuag <u>G</u>	6	1	z1_
.....uggaagacuagugauuuugg <u>C</u>	6	1	z1_
.....uggaagacu <u>U</u>	2	1	z1_
.....uggaGacuagugauuuugg.....	8	1	z1_
.....uggGagacuagugauuuugg.....	7	1	z1_
.....uggaagacuagugauuuugg <u>A</u>	22	1	z1_
.....ugg <u>U</u>	1	1	z1_
.....u <u>A</u>	2	1	z1_
.....uggaagac <u>G</u>	1	1	z1_
.....uggaagac <u>A</u>	1	1	z1_
.....uggaaga <u>U</u>	1	1	z1_
.....ugg <u>C</u>	3	1	z1_
.....ug <u>A</u>	1	1	z1_
.....uggaagacuag <u>G</u>	7	1	z1_
.....uggaagacuag <u>G</u>	1	1	z1_
.....ugga <u>U</u>	4	1	z1_
.....uggaagacuag <u>U</u>	1303	0	z1_
.....uggaagacuag <u>U</u>	3	1	z1_

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uggauguuuggccuaaguuucuguguggaagacuagugauuuugguuuuuagauaacuaaaucga**caacaaaucacagcugccaua**uggcacaggccaugccucuacag

.....uggaa <u>U</u> acuagugauuuugguuu.	2	1	z1_
.....uggaagacuagugauuu <u>C</u> guuguu.	45	1	z1_
.....uggaagac <u>A</u> gugauuuugguuu.	5	1	z1_
.....uggaagacuagugauuuu <u>u</u> gguuu.	37	1	z1_
.....uggaagacuagugauuu <u>u</u> gg <u>C</u> u.	47	1	z1_
.....uggaagacuagugau <u>C</u> uugguuu.	46	1	z1_
.....uggaag <u>C</u> cuagugauuuugguuu.	1	1	z1_
.....ugg <u>G</u> acuagugauuuugguuu.	63	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>G</u> uu.	1	1	z1_
.....ugg <u>G</u> acuagugauuuugguuu.	1	1	z1_
.....ugga <u>G</u> acuagugauuuugguuu.	53	1	z1_
.....uggaagacuagugauu <u>C</u> guuguu.	35	1	z1_
.....uggaagac <u>C</u> agugauuuugguuu.	44	1	z1_
.....G <u>gg</u> aagacuagugauuuugguuu.	2	1	z1_
.....uggaag <u>G</u> cuagugauuuugguuu.	58	1	z1_
.....u <u>G</u> aa <u>g</u> acuagugauuuu <u>u</u> gguu.	9	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>C</u> .	689	1	z1_
.....uggaagacuagugauuu <u>A</u> guuguu.	9	1	z1_
.....C <u>gg</u> aagacuagugauuuugguuu.	68	1	z1_
.....uggaagacuagugauuu <u>A</u> guuguu.	1	1	z1_
.....ug <u>A</u> agacuagugauuuugguuu.	13	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>G</u> uu.	1	1	z1_
.....Ag <u>g</u> aagacuagugauuuugguuu.	22	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>G</u> .	11	1	z1_
.....ugg <u>C</u> acuagugauuuugguuu.	37	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>A</u> u.	1	1	z1_
.....uggaagacuagug <u>C</u> uuuugguuu.	3	1	z1_
.....u <u>C</u> gaagacuagugauuuugguuu.	1	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>G</u> .	29	1	z1_
.....u <u>A</u> gaagacuagugauuuuugguuu.	18	1	z1_
.....uggaagacuagug <u>C</u> uuuugguuu.	48	1	z1_
.....uggaagacuagu <u>A</u> uuuugguuu.	9	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>G</u> uu.	1	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>A</u> uu.	2	1	z1_
.....uggaagacu <u>C</u> gugauuuugguuu.	2	1	z1_
.....uggaagacua <u>A</u> ugauuuugguuu.	11	1	z1_
.....uggaagacu <u>U</u> gugauuuugguuu.	6	1	z1_
.....uggaa <u>A</u> cuagugauuuuugguuu.	9	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>A</u> .	169	1	z1_
.....ugg <u>A</u> gacuagugauuuuugguuu.	7	1	z1_
.....uggaagacuagugauuuuugguuu <u>A</u> uu.	12	1	z1_
.....uggaagacuagugauuuu <u>A</u> uuguu.	6	1	z1_
.....uggaagacu <u>G</u> gugauuuugguuu.	41	1	z1_
.....uggaagacuaguga <u>A</u> uuuugguuu.	2	1	z1_
.....uggaagacuagugau <u>G</u> uuguuu.	1	1	z1_
.....uggaagacuag <u>A</u> ggauuuugguuu.	3	1	z1_
.....ug <u>A</u> agacuagugauuuuugguuu.	4	1	z1_
.....uggaagacua <u>U</u> gauuuuugguuu.	1	1	z1_
.....uggaagac <u>G</u> agugauuuuugguuu.	7	1	z1_
.....uggaagacuagug <u>G</u> uuuugguuu.	59	1	z1_
.....uggaaga <u>A</u> uagugauuuuugguuu.	2	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>U</u> uu.	2	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>A</u> uu.	10	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>G</u> uu.	2	1	z1_
.....uggaagacuagugauuuuugguuu.	9534	0	z1_
.....uggaagacuagugau <u>A</u> uuuguuu.	11	1	z1_
.....uggaagacu <u>C</u> gauuuuugguuu.	67	1	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>C</u> uu.	21	1	z1_
.....uggaagacuag <u>G</u> gauuuuugguuu.	5	1	z1_
.....uggaagacuagu <u>C</u> auuuuugguuu.	1	1	z1_
.....uggaaga <u>U</u> agugauuuuugguuu.	9	1	z1_
.....ugg <u>G</u> acuagugauuuuugguuu.	9	1	z1_
.....uggaag <u>U</u> cugugauuuuugguuu.	5	1	z1_
.....uggaagacuagugauuuuugguuu.	9	0	z1_
.....uggaagacuagugauuuu <u>u</u> gg <u>A</u> .	5	1	z1_
.....uggaagacuagugauuuuugguuuu.	3	0	z1_
.....u <u>A</u> gaagacuagugauuuuugguuuu.	1	1	z1_
.....U <u>g</u> aagacuagugauuuuugguuug.	1	1	z1_
.....U <u>g</u> aagacuagugauuuuugguuu.	2	1	z1_

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uggauguuuggccuaquucuguguggaagacuagugauuuugguuuuagauaacuaaaucga**caacaaaucacagcugccaua**uggcacaggccaugccucuacag

.....ggaagacuagugauuuugguu.....	1	0	z1_
.....Ugaagacuagugauuuugguu.....	6	1	z1_
.....gaagacuagugauuuugguu.....	1	0	z1_
.....caacaaaucacagcugcc.....	1	0	z1_
.....caacaaaucacagcugccau.....	2	0	z1_
.....caacaaaucacagcugccaua.....	9	0	z1_
.....caacaaGucacagcugccaua.....	1	1	z1_
.....caacaaaucacagcugccau.....	7	1	z1_
.....aacaauacagcugccaua.....	6	0	z1_
.....aacaauacagcugccau.....	4	1	z1_
.....auguuggccuaquucuguA.....	1	1	z2_
.....auguuggccuaquucugug.....	2	0	z2_
.....uggaagacuagugauuuC.....	1	1	z2_
.....uggaagacuagugauuu.....	11	0	z2_
.....uggaagacuaAugaauuu.....	1	1	z2_
.....uggaagacuagugauuuuA.....	1	1	z2_
.....uggaagacuagugauuuuug.....	28	0	z2_
.....uggaagacuagugauuuuAg.....	3	1	z2_
.....uggaUgacuagugauuuuug.....	1	1	z2_
.....uggaagacuagugauuuuugu.....	107	0	z2_
.....uggaGacuagugauuuuugu.....	4	1	z2_
.....uggaagacuagugauuuuugA.....	2	1	z2_
.....uggaagacuagugauuuuugG.....	1	1	z2_
.....uggaagacuagugauGuugu.....	1	1	z2_
.....uggUgacuagugauuuuugu.....	1	1	z2_
.....uggaagacuagugauuuuugC.....	9	1	z2_
.....uggaagGcuagugauuuuugu.....	2	1	z2_
.....uggaagacuagugauuuuuguC.....	63	1	z2_
.....uggaagacuagugauuuuugu.....	4	1	z2_
.....uggaagacuagugauuuuAguu.....	1	1	z2_
.....uggGagacuagugauuuuugu.....	8	1	z2_
.....uggaagacuagugauuuuuguA.....	13	1	z2_
.....uAgaagacuagugauuuuuguu.....	2	1	z2_
.....uggaGacuagugauuuuuguu.....	13	1	z2_
.....uggaagacuGgugauuuuuguu.....	3	1	z2_
.....uggaagacAagugauuuuuguu.....	1	1	z2_
.....uggaagacuagugauuuuGguu.....	4	1	z2_
.....Cggaaagacuagugauuuuuguu.....	10	1	z2_
.....Aggaagacuagugauuuuuguu.....	2	1	z2_
.....uggaagacuagugauuuuGguu.....	1	1	z2_
.....uggaagacuagugGuuuuuguu.....	6	1	z2_
.....uggaagacuaguAuuuuuuguu.....	2	1	z2_
.....uggaagacCagugauuuuuguu.....	4	1	z2_
.....uggaagacuagCgauuuuuguu.....	6	1	z2_
.....uggaaAacuagugauuuuuguu.....	1	1	z2_
.....uCgaagacuagugauuuuuguu.....	1	1	z2_
.....uggaagacuagugauCuuguu.....	5	1	z2_
.....uggaagacuagugauuuuCguu.....	3	1	z2_
.....uggaagacuagugauuuuugGu.....	3	1	z2_
.....uggaUacuagugauuuuuguu.....	1	1	z2_
.....uggaagacuagugauuuuuguu.....	1073	0	z2_
.....uggaagacuagugauuuuugCu.....	6	1	z2_
.....uggaagacuagugauuuuuguG.....	8	1	z2_
.....uggaagacuagAguuuuuguu.....	1	1	z2_
.....ugUaagacuagugauuuuuguu.....	1	1	z2_
.....uggaagacuagugauuuuugCug.....	9	1	z2_
.....uggaagacuagugauCuuguuw.....	3	1	z2_
.....Cggaaagacuagugauuuuuguug.....	11	1	z2_
.....uggaagGcuagugauuuuuguug.....	9	1	z2_
.....uggaagacuagCgauuuuuguug.....	6	1	z2_
.....uggaGacuagugauuuuuguug.....	13	1	z2_
.....uggaagacCagugauuuuuguug.....	2	1	z2_
.....Aggaagacuagugauuuuuguug.....	2	1	z2_
.....uggaagacuagugauuuuuguCg.....	6	1	z2_
.....uAgaagacuagugauuuuuguug.....	3	1	z2_
.....uggaagacuGgugauuuuuguug.....	3	1	z2_
.....uggaagacuagugauuuuuguA.....	52	1	z2_
.....uggaagacuagugGuuuuuguug.....	2	1	z2_

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uggauguuuggccuaaguuucuguguggaagacuagugauuuugguuuuagauaacuaaaucga**caacaaaaucacagcugccaua**uggcacaggccaugccucuacag

.....uggCagacuagugauuuuggug.....	1	1	z2_
.....uggaagacuUgugauuuuggug.....	4	1	z2_
.....uggaagacuagugauuuuAuuug.....	1	1	z2_
.....uggaagacuagAgauuuuggug.....	1	1	z2_
.....uggaUgacuagugauuuuggug.....	1	1	z2_
.....uggaagacAagugauuuuggug.....	2	1	z2_
.....uggaagacuagugauuuugguuC.....	2	1	z2_
.....uggaagacuaguAauuuuggug.....	3	1	z2_
.....uggaagacuagugauuuugguuU.....	3	1	z2_
.....uggaagacuagugauuuuggug.....	13	1	z2_
.....uggaagacuagugauuuuggug.....	1169	0	z2_
.....uggaagacuagugauuuugguuCguug.....	3	1	z2_
.....uggGagacuagugauuuuggug.....	6	1	z2_
.....uggaagaUuagugugauuuuggug.....	3	1	z2_
.....uggaaAacuagugauuuuggug.....	1	1	z2_
.....uggaagacuagugauuChguug.....	5	1	z2_
.....uggUgacuagugauuuuggug.....	3	1	z2_
.....uggaagacuagugauuuugguuCguug.....	23	1	z2_
.....uggaagacuagugauCuuggugu.....	20	1	z2_
.....uggaagacuagugauuuuggugC.....	205	1	z2_
.....uggaagacuagugaAuuuggugu.....	3	1	z2_
.....uggaagacuagugaCuuuggugu.....	12	1	z2_
.....uggaagacAAGugauuuuggugu.....	1	1	z2_
.....uggaagacuagugauuuugguuU.....	1	1	z2_
.....uggaagacuagugauuuugguggu.....	2	1	z2_
.....uggaagCguagugauuuuggugu.....	16	1	z2_
.....uggaagacuagugauAuuuggugu.....	5	1	z2_
.....uggaagacuagugauuuuggugA.....	41	1	z2_
.....uggaagacuGgugauuuuggugu.....	13	1	z2_
.....uggaagacuagugauuChguugu.....	8	1	z2_
.....ugUaagacuagugauuuuggugu.....	1	1	z2_
.....uggaagUcuagugauuuuggugu.....	1	1	z2_
.....uggaagacuagugauuuAguugu.....	1	1	z2_
.....uggaagacCagugauuuuggugu.....	6	1	z2_
.....uggaGacuagugauuuuggugu.....	19	1	z2_
.....Aggaagacuagugauuuuggugu.....	4	1	z2_
.....Gggaaagacuagugauuuuggugu.....	3	1	z2_
.....uggaagacuagugauuuugAgu.....	1	1	z2_
.....uggaagacuUgugauuuuggugu.....	12	1	z2_
.....uggaagaUuagugauuuuggugu.....	1	1	z2_
.....Cggaaagacuagugauuuuggugu.....	9	1	z2_
.....uggaagacuagugGuuuuggugu.....	15	1	z2_
.....uggaagacuagAgauuuuggugu.....	5	1	z2_
.....uggaagacuagugauuuuggugu.....	2695	0	z2_
.....uggaagacuagugauuuuguCgu.....	13	1	z2_
.....uggaagacuagCgauuuuggugu.....	6	1	z2_
.....uggaagacuaUugauuuuggugu.....	3	1	z2_
.....uggaagacuaAuggauuuuggugu.....	5	1	z2_
.....uggaagacuagugauuuuggugG.....	12	1	z2_
.....uggaagacuagugauGuuggugu.....	1	1	z2_
.....uggGagacuagugauuuuggugu.....	24	1	z2_
.....uggaagacuagugauuuugguuA.....	3	1	z2_
.....uggaagacuagugauuuuggCgu.....	13	1	z2_
.....uggCagacuagugauuuuggugu.....	1	1	z2_
.....uggaagacuagugauuuugguuCu.....	3	1	z2_
.....uggaagacuagugauuuAuuugu.....	3	1	z2_
.....uggaagacuagugauuuGguugu.....	1	1	z2_
.....uggaagaGuagugauuuuggugu.....	2	1	z2_
.....ugAaagacuagugauuuuggugu.....	7	1	z2_
.....uAgaagacuagugauuuuggugu.....	2	1	z2_
.....uggaaAacuagugauuuuggugu.....	2	1	z2_
.....uggUgacuagugauuuuggugu.....	6	1	z2_
.....uggaagacuaguAuuuggugu.....	3	1	z2_
.....uggUgacuagugauuuuggugu.....	4	1	z2_
.....uggUgacuagugauuuuggugu.....	5	1	z2_
.....uggaagacuagAgauuuuggugu.....	5	1	z2_
.....uggGagacuagugauuuuggugu.....	75	1	z2_
.....uggaaCacuagugauuuuggugu.....	1	1	z2_
.....uggUgacuagugauuuuggugu.....	12	1	z2_

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uggauguuuggccuaaguuucuguguggaagacuagugauuuugguuuuuagauaacuaaaucga**caacaaaaucacagcugccauauggcacaggccaugccucuacag**

.....uggaagacCagugauuuugguuu.....	62	1	z2_
.....uggaagaAauagugauuuugguuu.....	8	1	z2_
.....uggaagacuagugauCuuugguu.....	73	1	z2_
.....uggaGgacuagugauuuugguuu.....	74	1	z2_
.....uggaaAacuagugauuuugguuu.....	13	1	z2_
.....uggaagacuagugauGuugguu.....	8	1	z2_
.....ugAaagacuagugauuuugguuu.....	22	1	z2_
.....uggaagacuagugaGuugguuu.....	7	1	z2_
.....uggaagacuagugauuuuggAguu.....	4	1	z2_
.....uggaagacuagugauuuuggCguu.....	41	1	z2_
.....uggaagaUuagugauuuugguuu.....	7	1	z2_
.....uggaagacuagugauuuugguuC.....	957	1	z2_
.....uggaagacuUggugauuuugguuu.....	19	1	z2_
.....Cggaaagacuagugauuuugguuu.....	54	1	z2_
.....uggaagacuagugauuuGguugguu.....	4	1	z2_
.....uggaagacuaguAauuuugguuu.....	15	1	z2_
.....uggaagacuagugauuuuggAguu.....	18	1	z2_
.....uggaagacuGgugauuuugguuu.....	52	1	z2_
.....uggaagacuagugauuuugguuu.....	14845	0	z2_
.....uggaaUacuagugauuuugguuu.....	3	1	z2_
.....uggaagacuagugauuuAuuuggu.....	21	1	z2_
.....uCggaaagacuagugauuuugguuu.....	2	1	z2_
.....uggaagacuaguUauuuugguuu.....	2	1	z2_
.....uggaagGcuagugauuuugguuu.....	62	1	z2_
.....uggaagacuagugauuuugguugAu.....	5	1	z2_
.....uggaagacuagugauuuuCuugguu.....	4	1	z2_
.....uggaagacuagugauuuugguuAuu.....	15	1	z2_
.....uggaagacuagugaCuuugguuu.....	49	1	z2_
.....uggaagacuaCugauuuugguuu.....	1	1	z2_
.....uggaagacuagugauuuCguugguu.....	94	1	z2_
.....uggaagUcuagugauuuugguuu.....	12	1	z2_
.....uggaagacuagugGuuuugguuu.....	57	1	z2_
.....uggaagacuagugauuuuggCguu.....	56	1	z2_
.....uggaagacuagugauuuAguuggu.....	16	1	z2_
.....uggaagacuCgugauuuugguuu.....	2	1	z2_
.....uUgaagacuagugauuuugguuu.....	6	1	z2_
.....uggaCgacuagugauuuugguuu.....	1	1	z2_
.....uggaagacuaUugauuuugguuu.....	2	1	z2_
.....uggaagacuagugauuuugguuA.....	193	1	z2_
.....uggaagacuaAugauuuugguuu.....	9	1	z2_
.....uggaagacuagugauuuugguuUuu.....	2	1	z2_
.....uggaagacuagugauuuuugguu.....	11	1	z2_
.....uggaagacuagugauuuuggCu.....	64	1	z2_
.....uggaagacuagugauuuuggGuu.....	1	1	z2_
.....Aggaagacuagugauuuugguuu.....	43	1	z2_
.....uggaagacuagCgauuuugguuu.....	75	1	z2_
.....uggaagacuagugauuuuggGuu.....	2	1	z2_
.....uggaagacuagugauuuGuugguu.....	2	1	z2_
.....uggaagaGuagugauuuugguuu.....	1	1	z2_
.....uggaagacuagugaAuuugguuu.....	4	1	z2_
.....uAgaagacuagugauuuugguuu.....	21	1	z2_
.....uggCgacuagugauuuugguuu.....	1	1	z2_
.....uggaagacuagGgauuuugguuu.....	3	1	z2_
.....uggaagacuagugauuAugguuu.....	6	1	z2_
.....uggaagacAAGugauuuugguuu.....	10	1	z2_
.....uggaagacuagugCuuugguuu.....	1	1	z2_
.....uggaagacGagugauuuugguuu.....	4	1	z2_
.....uggaagacuagugauuCuugguu.....	65	1	z2_
.....uggaagacuagugauuuugguuG.....	47	1	z2_
.....uggaagacuagugauuuuggGu.....	16	1	z2_
.....Gggaaagacuagugauuuugguuu.....	5	1	z2_
.....uggaagacuagugaCuuugguuu.....	1	1	z2_
.....uggaagacuagugauuuCguugguuu.....	1	1	z2_
.....uggaagacuagugauuuugguuu.....	26	0	z2_
.....uggaagacuagugauuuugguuA.....	18	1	z2_
.....ggaaagacuagugauuuugguu.....	6	0	z2_
.....Ugaagacuagugauuuugguu.....	2	0	z2_
.....ggaaagacuagugauuuugguuu.....	4	0	z2_

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uggauguuuggccuaquucuguguggaagacuagugauuuuuguuuuuagauaacuaaaucga**caacaaaucacagcugccaua**uggcacaggccaucucuacag

..... <u>Ugaaagacuagugauuuuuguu.</u>	23	1	Z2_
..... <u>caacaaaucacagcugccau.</u>	2	0	Z2_
..... <u>caacaaaCcacagcugccau.</u>	1	1	Z2_
..... <u>caacaaaucacagcugccauC.</u>	1	1	Z2_
..... <u>caacaaaucacagcugccauU.</u>	7	1	Z2_
..... <u>caacaaaucacagcugccau.</u>	17	0	Z2_
..... <u>caacaaaucacagcugccau.</u>	3	0	Z2_
..... <u>aacaaaucacagcugccaua.</u>	4	0	Z2_
..... <u>acaaaucacagcugccaua.</u>	1	0	Z2_
 <u>Uggaaagacuagugauuuuuguu.</u>	6	1	GDM
..... <u>Uggaaagacuagugauuuuuguu.</u>	1	1	GDM
..... <u>uggaaagacuagugCuuu.</u>	1	1	GDM
..... <u>uggaaagacuagugauuuu.</u>	58	0	GDM
..... <u>uggaGgacuagugauuuu.</u>	2	1	GDM
..... <u>uggaagacuagugauuuC.</u>	5	1	GDM
..... <u>uggaagacuagugauuuu.</u>	58	0	GDM
..... <u>uggaagacuagugauuuCu.</u>	1	1	GDM
..... <u>uggaagacuagugauuuuG.</u>	1	1	GDM
..... <u>uggaagacuagugauuuC.</u>	5	1	GDM
..... <u>uggaagGcuagugauuuu.</u>	2	1	GDM
..... <u>uggaagacuagugauuuu.</u>	58	0	GDM
..... <u>uggaagacCagugauuuu.</u>	1	1	GDM
..... <u>uggaagacuGgugauuuu.</u>	1	1	GDM
..... <u>uggaagacuagugauuuug.</u>	107	0	GDM
..... <u>uggaagacuagugauuuug.</u>	107	0	GDM
..... <u>uggaagacuagugauuuuA.</u>	2	1	GDM
..... <u>uggaagacuagugauuuuA.</u>	2	1	GDM
..... <u>uggaagacuagugauuuuCug.</u>	1	1	GDM
..... <u>Aggaagacuagugauuuug.</u>	1	1	GDM
..... <u>uggaGgacuagugauuuug.</u>	1	1	GDM
..... <u>uggaagacuagugauuuug.</u>	107	0	GDM
..... <u>uggGgacuagugauuuug.</u>	1	1	GDM
..... <u>uggaGacuagugauuuuugu.</u>	3	1	GDM
..... <u>uggaagacuagCgauuuuugu.</u>	4	1	GDM
..... <u>uggaagacuagugaAuuugu.</u>	1	1	GDM
..... <u>uggaagacuagugauuuuugu.</u>	359	0	GDM
..... <u>uggaGacuagugauuuuugu.</u>	6	1	GDM
..... <u>uggaagacCagugauuuuugu.</u>	1	1	GDM
..... <u>uggaagacuagugauuuuugC.</u>	19	1	GDM
..... <u>uggaGgacuagugauuuuugu.</u>	6	1	GDM
..... <u>uggaagacuagCgauuuuugu.</u>	4	1	GDM
..... <u>uggGgacuagugauuuuugu.</u>	2	1	GDM
..... <u>uggaGacuagugauuuuugu.</u>	3	1	GDM
..... <u>uggaagacuagugauuuuugu.</u>	359	0	GDM
..... <u>uggaagacuagugauuuugG.</u>	1	1	GDM
..... <u>Aggaagacuagugauuuuugu.</u>	1	1	GDM
..... <u>uggaagacuagugauuuuUu.</u>	1	1	GDM
..... <u>uggaagacuagugauuuuugC.</u>	19	1	GDM
..... <u>uggaagacuagugauuuuugC.</u>	19	1	GDM
..... <u>uggaagacuagugauuuuugu.</u>	359	0	GDM
..... <u>uggaagacuaUugauuuuugu.</u>	1	1	GDM
..... <u>uggaagacuagugauuuuugA.</u>	11	1	GDM
..... <u>uggaagacuagugGuuuuugu.</u>	3	1	GDM
..... <u>uggGgacuagugauuuuugu.</u>	2	1	GDM
..... <u>uggaagacuagugauuuuAu.</u>	1	1	GDM
..... <u>uggaagacuagugauuuuugA.</u>	11	1	GDM
..... <u>uggaagacuaAuggauuuuugu.</u>	6	1	GDM
..... <u>uggaGacuagugauuuuugu.</u>	13	1	GDM
..... <u>uggaagacuagugaCuuuugu.</u>	24	1	GDM
..... <u>uggaagacCagugauuuuugu.</u>	15	1	GDM
..... <u>uggaagacuagugauuuuugu.</u>	3563	0	GDM
..... <u>uggaagacuUgugauuuuugu.</u>	6	1	GDM
..... <u>uggaagacuagugauuuuugG.</u>	20	1	GDM
..... <u>uggaagacuagugGuuuuugu.</u>	23	1	GDM
..... <u>uggaGgacuagugauuuuugu.</u>	4	1	GDM
..... <u>uggaagacuaguAauuuuugu.</u>	5	1	GDM
..... <u>uggaagacuagugauuuuAu.</u>	3	1	GDM
..... <u>uggaagacuagugauuuCuguu.</u>	6	1	GDM

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uggauguuuggccuaaguuucuguguggaagacuagugauuuugguuuuuagauaacuaaaucga**caacaaaaucacagcugccaua**uggcacaggccaugccucuacag

.....uAgaagacuagugauuuugguu.....	10	1	GDM
.....Aggaagacuagugauuuugguu.....	12	1	GDM
.....uggaagacuGgugauuuugguu.....	5	1	GDM
.....uggaagacCagugauuuugguu.....	15	1	GDM
.....uggaagacuGgugauuuugguu.....	5	1	GDM
.....uggaagacuagugauuuAuu.....	3	1	GDM
.....uggaagacuagCgauuuugguu.....	10	1	GDM
.....uggaagGcuagugauuuugguu.....	24	1	GDM
.....ugAaagacuagugauuuugguu.....	5	1	GDM
.....uggaagacuagugauuuugCu.....	21	1	GDM
.....uggaagacuagugauuuCguu.....	8	1	GDM
.....uggaagacGagugauuuugguu.....	2	1	GDM
.....uggGagacuagugauuuugguu.....	20	1	GDM
.....uggaagacuaUugauuuugguu.....	1	1	GDM
.....uggaagacuagugauuuugCu.....	21	1	GDM
.....uggaagacuagugauuuAguu.....	1	1	GDM
.....Gggaaagacuagugauuuugguu.....	1	1	GDM
.....uggUagacuagugauuuugguu.....	3	1	GDM
.....uggGagacuagugauuuugguu.....	20	1	GDM
.....Aggaagacuagugauuuugguu.....	12	1	GDM
.....uggaagacuagugauuuugguC.....	244	1	GDM
.....uggaagacuaAugauuuugguu.....	6	1	GDM
.....uggaagacuagugaCuuugguu.....	24	1	GDM
.....uAgaagacuagugauuuugguu.....	10	1	GDM
.....uggaagacuagugaAuuugguu.....	2	1	GDM
.....uggaagacuagugauuCuguu.....	6	1	GDM
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.....uggaagacuagAgaauuuugguu.....	4	1	GDM
.....Aggaagacuagugauuuugguu.....	12	1	GDM
.....uggaaAacuagugauuuugguu.....	5	1	GDM
.....uggaagacuagugauuuAuu.....	3	1	GDM
.....uggaagacuagugGuuugguu.....	23	1	GDM
.....ugAaagacuagugauuuugguu.....	5	1	GDM
.....uggaagacuagugaCuuugguu.....	24	1	GDM
.....uggaagacuagugauuuCguu.....	8	1	GDM
.....uggaagacuagugauuAguu.....	9	1	GDM
.....uggaagacuagugauuuugguG.....	20	1	GDM
.....uggaagacAagugauuuugguu.....	2	1	GDM
.....uggaagacuagugauuuugguC.....	244	1	GDM
.....uggaagacuagugauCuguu.....	26	1	GDM
.....uggaagacuagugauuuuggAu.....	1	1	GDM
.....uggaUgacuagugauuuugguu.....	4	1	GDM
.....uggaagacuCgugauuuugguu.....	3	1	GDM
.....uggaagacuagugauuGuguu.....	2	1	GDM
.....uggaagacuagCgauuuugguu.....	10	1	GDM
.....uggaagacuagugauuuugguu.....	3563	0	GDM
.....uggaagCcuagugauuuugguu.....	1	1	GDM
.....uggaagacuagugauuuAguu.....	1	1	GDM
.....uggaaCacuagugauuuugguu.....	1	1	GDM
.....uggaagacAagugauuuugguu.....	2	1	GDM
.....uggaagacuagCgauuuugguu.....	10	1	GDM
.....uggaagacuagugGuuugguu.....	23	1	GDM
.....uggaagacuagugauuuugguA.....	71	1	GDM
.....uggaagacuagugauuCuguu.....	6	1	GDM
.....Cggaaagacuagugauuuugguu.....	17	1	GDM
.....uggaUgacuagugauuuugguu.....	4	1	GDM
.....uggaGgacuagugauuuugguu.....	22	1	GDM
.....uggaagacuaAugauuuugguu.....	6	1	GDM
.....uggaagacuagugauuGuguu.....	2	1	GDM
.....uggaagacuagugauuAguu.....	9	1	GDM
.....uggGagacuagugauuuugguu.....	20	1	GDM
.....uggaagacuUgugauuuugguu.....	6	1	GDM
.....uggaagacGagugauuuugguu.....	2	1	GDM
.....uggaagacuagugauCuguu.....	26	1	GDM
.....Cggaaagacuagugauuuugguu.....	17	1	GDM
.....uggaagacuaguAauuuugguu.....	5	1	GDM
.....uggaagGcuagugauuuugguu.....	24	1	GDM
.....uggaagacuagugauuuuggCu.....	21	1	GDM

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uggauguuuggccuaaguuucuguguggaagacuagugauuuuuguuuuagauaacuaaaucga**caacaaaaucacagcugccaua**uggcacaggccaugccucuacag

.....Cggaagacuagugauuuuuguu.....	17	1	GDM
.....uggaagacuagugauuuuuguuG.....	20	1	GDM
.....uggUagacuagugauuuuuguu.....	3	1	GDM
.....uggaagacuGgugauuuuuguu.....	5	1	GDM
.....uggaagacuagAgauuuuuguu.....	4	1	GDM
.....uggaagacuagugauuuuuguA.....	71	1	GDM
.....uggaagacuagugauuuuugGu.....	1	1	GDM
.....uggaaAacuagugauuuuuguu.....	5	1	GDM
.....uggaagacuagugauCuuguu.....	26	1	GDM
.....uggaagGcuagugauuuuuguu.....	24	1	GDM
.....uggaagacuagugauuuuuguA.....	71	1	GDM
.....uggaagacuagugauuuuuguu.....	3563	0	GDM
.....uggaGgacuagugauuuuuguu.....	22	1	GDM
.....uggaCgacuagugauuuuuguu.....	13	1	GDM
.....uggaagacuUggugauuuuuguu.....	6	1	GDM
.....uggaagacuagugauuuuuguu.....	8	1	GDM
.....uggaagacuagugauAuuguu.....	9	1	GDM
.....uggaagacuagugauuuuuguC.....	244	1	GDM
.....ugAaagacuagugauuuuuguu.....	5	1	GDM
.....uggaagacCagugauuuuuguu.....	10	1	GDM
.....uggaagacuagugauuuuuguuA.....	15	1	GDM
.....Aggaagacuagugauuuuuguu.....	128	1	GDM
.....uggaagacuCgugauuuuuguu.....	7	1	GDM
.....uggaagacuagugauAuuguuug.....	1	1	GDM
.....uggaagacuagugauAuuguuug.....	3	1	GDM
.....uggaagacAagugauuuuuguu.....	6	1	GDM
.....uggaagacuagugGuuuuuguu.....	12	1	GDM
.....uggaagUcuagugauuuuuguu.....	3	1	GDM
.....uggaagacuagugauuuuuguu.....	13	1	GDM
.....uggaagacuagCgauuuuuguu.....	11	1	GDM
.....uggaagacuagCgauuuuuguu.....	11	1	GDM
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.....uggaagacuagugauuuuuguu.....	8	1	GDM
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.....uggaagacuagugauuuuuguuC.....	2	1	GDM
.....uggaagacuagugaCuuuuuguu.....	4	1	GDM
.....uggaagaUuagugauuuuuguu.....	4	1	GDM
.....uggaUgacuagugauuuuuguu.....	4	1	GDM
.....uggaGgacuagugauuuuuguu.....	15	1	GDM
.....Aggaagacuagugauuuuuguu.....	7	1	GDM
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.....uggaagacuagugauuuuuguuA.....	128	1	GDM
.....uggaagacuagugauuuuugug.....	8	1	GDM
.....uggaagacuagugauuuuuguu.....	13	1	GDM
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.....uggaagacuagGgauuuuuguu.....	1	1	GDM
.....uggGgacuagugauuuuuguu.....	11	1	GDM
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.....uggaagacuagugauuuuuguuU.....	13	1	GDM
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.....uggaagacuUggugauuuuuguu.....	2	1	GDM
.....uggGgacuagugauuuuuguu.....	11	1	GDM
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.....uggaGgacuagugauuuuuguu.....	15	1	GDM
.....uggaagacuaUugauuuuuguu.....	1	1	GDM
.....uggaagacuagugauuuuAguug.....	2	1	GDM
.....uggaagUcuagugauuuuuguu.....	3	1	GDM

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uuggaauguuuggccuaaguuucuguguggaagacuagugauuuugguuuuagauaacuaaaucga**caacaaaaucacagcugccauauggcacaggccaucuccuacag**

.....uggaagacuagugauuuCguug.....	8	1	GDM
.....uggaagacuagugaCuuuggug.....	4	1	GDM
.....uggaagacuagugauuuugguA.....	128	1	GDM
.....uggaagGcuagugauuuuggug.....	7	1	GDM
.....uggaagacuagugauuuugguC.....	2	1	GDM
.....uggaagacuagugauuuuguCg.....	14	1	GDM
.....uggaagacuagugauuuuguCg.....	14	1	GDM
.....uggaagacuGgugauuuuggug.....	8	1	GDM
.....uggaagacuagugauCuuuggug.....	7	1	GDM
.....uggaagacuaguAauuuuggug.....	5	1	GDM
.....uggaagacuagugauuuAuuug.....	2	1	GDM
.....uggaUgacuagugauuuuggug.....	4	1	GDM
.....uggaagGcuagugauuuuggug.....	7	1	GDM
.....uggaagaGuagugauuuuggug.....	1	1	GDM
.....uAgaagacuagugauuuuggug.....	3	1	GDM
.....uggaagacuagugauuuCguug.....	8	1	GDM
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.....uggaagacuagugauuuuggug.....	2273	0	GDM
.....uggGagacuagugauuuuggug.....	11	1	GDM
.....uggaagaUuagugauuuuggug.....	4	1	GDM
.....uggaagacuagugauuuuggugG.....	60	1	GDM
.....uggaagacuagugauuuuggugCug.....	13	1	GDM
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.....uggaagacuagAgauuuuggug.....	2	1	GDM
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.....uggaagaUuagugauuuuggug.....	4	1	GDM
.....uggaagacuagugauuuuggugCug.....	13	1	GDM
.....uggaagacAagugauuuuggug.....	6	1	GDM
.....uggaagacuagugauGuuuggug.....	2	1	GDM
.....uggaagacacugugauuuuggug.....	9	1	GDM
.....uggaagacuagugauuuugguuU.....	13	1	GDM
.....Cggaaagacuagugauuuuggug.....	4	1	GDM
.....uggaagacuagugauuuuggugCg.....	14	1	GDM
.....uggaGacuagugauuuuggug.....	15	1	GDM
.....uggaagacuagugauuuuggug.....	2273	0	GDM
.....uggaCgacuagugauuuuggug.....	5	1	GDM
.....uggaagacuagugauCuuuggug.....	7	1	GDM
.....uggaagacuagugauuuuggugCug.....	13	1	GDM
.....uggaagacuagugaGuuuggug.....	1	1	GDM
.....uggaaAacuagugauuuuggug.....	4	1	GDM
.....uggaagacuagugauAuuggug.....	3	1	GDM
.....uggaagacuGgugauuuuggug.....	8	1	GDM
.....Cggaaagacuagugauuuuggug.....	4	1	GDM
.....uggaagacuagugauuuAuuugg.....	2	1	GDM
.....uggaagacuagugaAuuuggug.....	1	1	GDM
.....uggaagacuagugauAuuggug.....	1	1	GDM
.....uggaagacuaguAauuuuggug.....	5	1	GDM
.....uggaagacuagugauuuugguAgu.....	3	1	GDM
.....uggaagacuagugGuuuggugu.....	27	1	GDM
.....uggaagacuagugauuuuggugA.....	136	1	GDM
.....uggUgacuagugauuuuggugu.....	5	1	GDM
.....uggaagacuUgugauuuuggugu.....	9	1	GDM
.....uggaagacCagugauuuuggugu.....	18	1	GDM
.....uggaagacuagugauuuuggugC.....	419	1	GDM
.....uggUagacuagugauuuuggugu.....	5	1	GDM
.....uggaagUcuagugauuuuggugu.....	5	1	GDM
.....uggaagacuagugauuuAigugu.....	6	1	GDM
.....uggaagacuagugauuuuggugu.....	5276	0	GDM
.....uggaagacuaguUauuuuggugu.....	2	1	GDM
.....uggaCgacuagugauuuuggugu.....	17	1	GDM
.....uggaagacuGgugauuuuggugu.....	16	1	GDM
.....Gggaaagacuagugauuuuggugu.....	1	1	GDM
.....uggaagacuagugaCuuuggugu.....	25	1	GDM
.....uggaagacuagugauuuuggugAgu.....	5	1	GDM
.....uggaagacuagugauGuuuggu.....	1	1	GDM
.....uggaagacuagugauAuuggugu.....	6	1	GDM
.....uggaagacuaguAauuuuggugu.....	3	1	GDM
.....uCggaaagacuagugauuuuggugu.....	2	1	GDM

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uuggauguuuggccuaaguuucuguguggaagacuagugauuuugguuuuuagauaacuaaaucga**caacaaaaucacagcugccauauggcacaggccaugccucuacag**

.....uggGagacuagugauuuugguu.....	33	1	GDM
.....uggaaga <u>U</u> agugauuuugguu.....	2	1	GDM
.....uggaagacuag <u>C</u> gauuuugguu.....	26	1	GDM
.....uggaagac <u>A</u> agugauuuugguu.....	1	1	GDM
.....ugga <u>U</u> acuagugauuuugguu.....	2	1	GDM
.....ugg <u>C</u> acuagugauuuugguu.....	17	1	GDM
.....uggaagacu <u>A</u> ugauuuugguu.....	3	1	GDM
.....ugg <u>G</u> acuagugauuuugguu.....	45	1	GDM
.....uggaagacuagugauuu <u>C</u> guu.....	33	1	GDM
.....uggaagacuagugauuu <u>A</u> uuu.....	5	1	GDM
.....ug <u>A</u> agacuagugauuuugguu.....	4	1	GDM
.....uggaagacuagugau <u>A</u> uugguu.....	4	1	GDM
.....uggaagacuagugauuu <u>A</u> uuggu.....	5	1	GDM
.....Aggaagacuagugauuuugguu.....	11	1	GDM
.....ugga <u>U</u> agugauuuugguu.....	2	1	GDM
.....Aggaagacuagugauuuugguu.....	11	1	GDM
.....uggaagacuagugauuuugguu.....	4	1	GDM
.....ugg <u>G</u> acuagugauuuugguu.....	45	1	GDM
.....u <u>A</u> agacuagugauuuugguu.....	8	1	GDM
.....uggaagacu <u>G</u> gugauuuugguu.....	16	1	GDM
.....uggaagac <u>G</u> gugauuuugguu.....	9	1	GDM
.....uggaagacuagugauuu <u>C</u> guu.....	33	1	GDM
.....ugg <u>G</u> acuagugauuuugguu.....	45	1	GDM
.....uggaagacuagugauuuugg <u>A</u>	136	1	GDM
.....uggaagacuagugauuuugg <u>C</u>	419	1	GDM
.....uggaagacu <u>A</u> ugauuuugguu.....	3	1	GDM
.....uggaagacu <u>G</u> gugauuuugguu.....	16	1	GDM
.....Aggaagacuagugauuuugguu.....	11	1	GDM
.....uggaagacuagugauuuugg <u>A</u> gu.....	3	1	GDM
.....uggaagacuagug <u>G</u> uugguu.....	27	1	GDM
.....ugg <u>G</u> acuagugauuuugguu.....	1	1	GDM
.....uggaag <u>G</u> cuagugauuuugguu.....	19	1	GDM
.....uggaagacuagugauuuugg <u>G</u>	23	1	GDM
.....ugg <u>G</u> acuagugauuuugguu.....	17	1	GDM
.....uggaagacuagugauuu <u>A</u> guu.....	9	1	GDM
.....uggaagacu <u>U</u> gugauuuugguu.....	9	1	GDM
.....uggaagacuagugauuuugg <u>G</u>	419	1	GDM
.....ugg <u>U</u> agacuagugauuuugguu.....	5	1	GDM
.....uggaagacu <u>A</u> gauuuugguu.....	4	1	GDM
.....uggaagacuagugauuu <u>G</u> guu.....	2	1	GDM
.....uggaagacuag <u>G</u> gauuuugguu.....	1	1	GDM
.....uggaagac <u>G</u> gugauuuugguu.....	9	1	GDM
.....uggaagacuagug <u>C</u> uuugguu.....	2	1	GDM
.....uggaagacuagugauuuugg <u>U</u> gu.....	9	1	GDM
.....uggaagacuagugauuuugg <u>C</u> gu.....	37	1	GDM
.....uggaagacuagugauuuugg <u>G</u>	23	1	GDM
.....uggaagacuagugauuuugg <u>C</u> gu.....	37	1	GDM
.....uggaagacuagugauuuugg <u>A</u> gu.....	5	1	GDM
.....uggaagac <u>C</u> gugauuuugguu.....	18	1	GDM
.....uggaagacuagug <u>C</u> uuugguu.....	25	1	GDM
.....uggaagacuagugau <u>C</u> uuugguu.....	25	1	GDM
.....uggaagacuagugau <u>C</u> uuugguu.....	25	1	GDM
.....uggaagacuagugauuuugguu.....	5276	0	GDM
.....uggaagacuagugauuu <u>A</u> uuu.....	5	1	GDM
.....uggaagacuagugauuu <u>U</u> uuu.....	2	1	GDM
.....C <u>g</u> gaagacuagugauuuugguu.....	34	1	GDM
.....uggaagacuagugau <u>A</u> uugguu.....	4	1	GDM
.....uggaagacu <u>A</u> gauuuugguu.....	4	1	GDM
.....uggaagacuagugauuuugg <u>G</u>	23	1	GDM
.....uggaagac <u>C</u> gugauuuugguu.....	18	1	GDM
.....uggaag <u>G</u> cuagugauuuugguu.....	19	1	GDM
.....uggaagacuagugauuuugg <u>C</u> u.....	31	1	GDM
.....u <u>U</u> gaagacuagugauuuugguu.....	1	1	GDM

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uggauguuuggccuaaguuucuguguggaagacuagugauuuuuguuuuuagauaacuaaaucga**caacaaaaucacagcugccauauggcacaggccaugccucuacag**

.....uggaagacuagugauuuuugCugu.....	37	1	GDM
.....uggGagacuagugauuuuuguu.....	33	1	GDM
.....uggaagacuagugauuuuugguA.....	136	1	GDM
.....uggaagacuagugauuuuuggu.....	5276	0	GDM
.....uggaagacuagugauuuuAgugu.....	9	1	GDM
.....Cggaagacuagugauuuuuggu.....	34	1	GDM
.....uggaagacuaguAaaaauggu.....	3	1	GDM
.....Cggaagacuagugauuuuuggu.....	34	1	GDM
.....uggaagacuaguAaaaaugguAgu.....	3	1	GDM
.....uggaagacGagugauuuuuggu.....	9	1	GDM
.....uggaagGcuagugauuuuuggu.....	19	1	GDM
.....uggaagacuagugauuuuuggu.....	33	1	GDM
.....uggaagacuUggugauuuuuggu.....	9	1	GDM
.....uggaagacuagugauuuuugguAu.....	4	1	GDM
.....uggaagacuagCgauuuuuggu.....	26	1	GDM
.....uggaagacuagugauuuuugguCgu.....	31	1	GDM
.....uggaagacuagugauuCuugu.....	23	1	GDM
.....uggaagacuagugauuuuugAgu.....	5	1	GDM
.....uggaaAacuagugauuuuuggu.....	2	1	GDM
.....uggaagacuagCgauuuuuggu.....	26	1	GDM
.....uggaagaGuagugauuuuuggu.....	1	1	GDM
.....uggaagacuagugauCuugu.....	25	1	GDM
.....ugAaagacuagugauuuuuggu.....	4	1	GDM
.....uggaagUcuagugauuuuuggu.....	5	1	GDM
.....uggaagacuagugauuuuuggu.....	23	1	GDM
.....uggGagacuagugauuuuuggu.....	33	1	GDM
.....uggaagacuagugauuuuugguCgu.....	31	1	GDM
.....uggaagacuagugauuuuuggu.....	23	1	GDM
.....uggaagacuagugauuuuuggu.....	2	1	GDM
.....uggaagacuGgugauuuuuggu.....	85	1	GDM
.....uggaagacuagugaCuuuuggu.....	121	1	GDM
.....uggaagacuagCgauuuuuggu.....	104	1	GDM
.....uggaagaAaagugauuuuuggu.....	5	1	GDM
.....uggaagacuagugauuCuugu.....	103	1	GDM
.....uggaUgacuagugauuuuuggu.....	27	1	GDM
.....uggaagacuaUugauuuuuggu.....	13	1	GDM
.....uggaagacuagugauuuuuggu.....	12	1	GDM
.....uggaagacuagugauuGuugu.....	8	1	GDM
.....uggaagacuaguUaaaauggu.....	3	1	GDM
.....Gggaaagacuagugauuuuuggu.....	9	1	GDM
.....uggaagacuagugauuuuugguAgu.....	10	1	GDM
.....uggaagUcuagugauuuuuggu.....	12	1	GDM
.....Cggaagacuagugauuuuuggu.....	125	1	GDM
.....uggaagacuagugauGuugu.....	4	1	GDM
.....uggaagacuagugaAuuuuggu.....	8	1	GDM
.....uggaagacuagugauuuuuggu.....	106	1	GDM
.....uggGagacuagugauuuuuggu.....	128	1	GDM
.....uggaagacuagugauuuuCuugu.....	4	1	GDM
.....uggaagacuagAgaauuuuuggu.....	21	1	GDM
.....uggaagacuGgugauuuuuggu.....	85	1	GDM
.....uggaagacuagugauuuuAggu.....	31	1	GDM
.....ugAaagacuagugauuuuuggu.....	29	1	GDM
.....uggaagacuagugauuuuugguC.....	124	1	GDM
.....uggaagacuagugauuuuugguA.....	10	1	GDM
.....uggaagacuagugauuuuugguUuu.....	4	1	GDM
.....uggaGacuagugauuuuuggu.....	189	1	GDM
.....uggaagacuagugauuuuugGu.....	4	1	GDM
.....uggaagacuagugauuuuuggu.....	23119	0	GDM
.....uggaUgacuagugauuuuuggu.....	27	1	GDM
.....uggaagacuagugauuuuugguG.....	31	1	GDM
.....uggaagacuagugauuuuAggu.....	16	1	GDM
.....uggaagacuagugGuuuuuggu.....	115	1	GDM
.....uggaagacuagugauuuuuggu.....	23119	0	GDM
.....uggaagacuagugauuuuAauggu.....	21	1	GDM
.....uggUgacuagugauuuuuggu.....	18	1	GDM
.....Cggaagacuagugauuuuuggu.....	125	1	GDM
.....uggaagacuagugCuuuuggu.....	2	1	GDM
.....uAgaagacuagugauuuuuggu.....	41	1	GDM
.....uggGagacuagugauuuuuggu.....	128	1	GDM

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uuggaauguuuggccuaaguuucuguguggaagacuagugauuuugguuuuuagauaacuaaaucga**caacaaaaucacagcugccauauggcacaggccaugccucuacag**

.....uggaagacuagugauuuugguuG.....	91	1	GDM
.....uggaagacuaguga <u>uuugguuu</u>	8	1	GDM
.....uggaagacuagugauuuugguuC.....	1754	1	GDM
.....uggaagacuagugauu <u>Cuguuuu</u>	103	1	GDM
.....uggaagac <u>Cagugauuuu</u> gguu.....	113	1	GDM
.....Aggaagacuagugauuuugguu.....	57	1	GDM
.....uggaagacuagugauuuu <u>Aguu</u>	15	1	GDM
.....uggaag <u>Gcuagugauuuu</u> gguu.....	148	1	GDM
.....ugga <u>aaacuagugauuuu</u> gguu.....	24	1	GDM
.....uggaag <u>Gcuagugauuuu</u> gguu.....	148	1	GDM
.....uggaagacuag <u>Cgauuuu</u> gguu.....	104	1	GDM
.....uggaagacuag <u>ugauuuu</u> gguu.....	7	1	GDM
.....u <u>Agaa</u> gacuagugauuuugguu.....	41	1	GDM
.....ugga <u>agUcuagugauuuu</u> gguu.....	12	1	GDM
.....uggaagacuagu <u>uauuuu</u> gguu.....	40	1	GDM
.....uggaagacu <u>Uugugauuuu</u> gguu.....	16	1	GDM
.....ug <u>Aaagacuagugauuuu</u> gguu.....	29	1	GDM
.....uggaagacuagugauuuu <u>ugGu</u>	31	1	GDM
.....uggaagac <u>Gagugauuuu</u> gguu.....	17	1	GDM
.....uggaagac <u>Agugauuuu</u> gguu.....	22	1	GDM
.....uggaagacuagugauuu <u>Gguu</u>	7	1	GDM
.....uggaagacuagugauuuu <u>ugCu</u>	124	1	GDM
.....uggaagacuagugauuuu <u>uguA</u>	472	1	GDM
.....uggaagacuagugauuuu <u>uguG</u>	91	1	GDM
.....uggaagacuag <u>Agauuuu</u> gguu.....	21	1	GDM
.....uggaagacuagugauuu <u>ugAuguu</u>	12	1	GDM
.....ugga <u>agUcuagugauuuu</u> gguu.....	12	1	GDM
.....u <u>Ugaa</u> gacuagugauuuugguu.....	7	1	GDM
.....uggaagacuagugauuuu <u>gguuu</u>	23119	0	GDM
.....uggaagacuagugauuu <u>Aguuu</u>	31	1	GDM
.....uggaagacuagugauuuu <u>ugCuu</u>	85	1	GDM
.....uggaagacuagugauuuu <u>Cuuuu</u>	4	1	GDM
.....ugga <u>Cacuagugauuuu</u> gguu.....	88	1	GDM
.....uggaagacuagu <u>Cauuuu</u> gguu.....	1	1	GDM
.....uggaagacu <u>Uugauuuu</u> gguu.....	13	1	GDM
.....ugg <u>Caacuagugauuuu</u> gguu.....	5	1	GDM
.....uggaagacu <u>Agauuuu</u> gguu.....	4	1	GDM
.....uggaagacu <u>Agugauuuu</u> gguu.....	3	1	GDM
.....uggaagacuag <u>uauuuu</u> gguu.....	21	1	GDM
.....uggaagacuagu <u>uauuuu</u> gguu.....	40	1	GDM
.....uggaagac <u>Cagugauuuu</u> gguu.....	113	1	GDM
.....uggaagac <u>Cagugauuuu</u> gguu.....	113	1	GDM
.....uggaagacu <u>Uugauuuu</u> gguu.....	13	1	GDM
.....uggaagac <u>Aagugauuuu</u> gguu.....	22	1	GDM
.....uggaagacuagugauuu <u>ugAuguu</u>	12	1	GDM
.....uggaagacuag <u>Agauuuu</u> gguu.....	21	1	GDM
.....uggaagacuagugauuu <u>Auguuu</u>	16	1	GDM
.....u <u>Agaa</u> gacuagugauuuugguu.....	41	1	GDM
.....uggaagacuagug <u>uauuuu</u> gguu.....	8	1	GDM
.....uggaagacuagugauuuu <u>ugGuu</u>	8	1	GDM
.....uggaagacuagug <u>Guuuu</u> gguu.....	115	1	GDM
.....uggaagacuagugauuuu <u>uguCuu</u>	85	1	GDM
.....uggaagacuagugauuuu <u>uguG</u>	91	1	GDM
.....uggaagacuagugauuuu <u>uguC</u>	1754	1	GDM
.....uggaagacuagugauuu <u>uAuuguu</u>	21	1	GDM
.....ugga <u>Cacuagugauuuu</u> gguu.....	88	1	GDM
.....ug <u>Aaagacuagugauuuu</u> gguu.....	29	1	GDM
.....uggaagacuagugauuuu <u>Aguu</u>	15	1	GDM
.....uggaagacuagugau <u>uAuuguu</u>	24	1	GDM
.....uggaagacu <u>Cgugauuuu</u> gguu.....	11	1	GDM
.....uggaagacuagugauuu <u>GGuuu</u>	7	1	GDM
.....uggaagacu <u>Cgugauuuu</u> gguu.....	11	1	GDM
.....uggaagacuagugauu <u>Cuguuuguu</u>	103	1	GDM
.....u <u>Ugaa</u> gacuagugauuuu <u>gguu</u>	7	1	GDM
.....uggaagac <u>Gagugauuuu</u> gguu.....	17	1	GDM
.....Aggaagacuagugauuuu <u>gguu</u>	57	1	GDM
.....Aggaagacuagugauuuu <u>gguu</u>	57	1	GDM
.....uggaagacuag <u>Cgauuuu</u> gguu.....	104	1	GDM
.....uggaagacuagugau <u>Cuuuuu</u> gguu.....	122	1	GDM

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uuggauguuuggccuaaguuucuguguggaagacuagugauuuuuguuuuuagauaacuaaaucga**caacaaaaucacagcugccaua**uggcacaggccaugccucuacag

.....uggaagacuagugauuuuuguuu.....	31	1	GDM
.....ug <u>U</u> agacuagugauuuuuguuu.....	2	1	GDM
.....uggaagacuaguga <u>C</u> uuugguuu.....	121	1	GDM
.....uggaaga <u>U</u> agugauuuuuguuu.....	21	1	GDM
.....uggaagacuag <u>G</u> gauuuuuguuu.....	9	1	GDM
.....uggaagacua <u>A</u> ugauuuuuguuu.....	25	1	GDM
.....uggaagac <u>A</u> ugugauuuuuguuu.....	22	1	GDM
.....uggaagacuagugauuuuug <u>C</u> uuu.....	106	1	GDM
.....uggaaga <u>U</u> agugauuuuuguuu.....	21	1	GDM
.....uggaagacuagugauuuuug <u>G</u> u.....	31	1	GDM
.....uggaagacu <u>C</u> ugauuuuuguuu.....	11	1	GDM
.....ugga <u>A</u> acuagugauuuuuguuu.....	24	1	GDM
.....uggaaga <u>U</u> agugauuuuuguuu.....	21	1	GDM
.....uggaagacuagugauuu <u>A</u> guuu.....	31	1	GDM
.....uggaagacuagugauu <u>G</u> guuu.....	8	1	GDM
.....uggaagacuagug <u>C</u> uuuuguuu.....	2	1	GDM
.....uggaagacuagug <u>G</u> uuuuguuu.....	3	1	GDM
.....ugga <u>G</u> acuagugauuuuuguuu.....	189	1	GDM
.....Gggaa <u>U</u> acuagugauuuuuguuu.....	9	1	GDM
.....Cggaa <u>U</u> acuagugauuuuuguuu.....	125	1	GDM
.....uggaagacuagugauuuuuguuu.....	31	1	GDM
.....uggaagacuag <u>G</u> gauuuuuguuu.....	9	1	GDM
.....ugg <u>G</u> acuagugauuuuuguuu.....	128	1	GDM
.....u <u>U</u> agacuagugauuuuuguuu.....	7	1	GDM
.....ug <u>U</u> agacuagugauuuuuguuu.....	2	1	GDM
.....uggaagacu <u>U</u> gugauuuuuguuu.....	16	1	GDM
.....Gggaa <u>U</u> acuagugauuuuuguuu.....	9	1	GDM
.....uggaagacuagugauuu <u>C</u> guuu.....	140	1	GDM
.....uggaagacuagugauuuuug <u>A</u> u.....	10	1	GDM
.....uggaaga <u>A</u> ugugauuuuuguuu.....	5	1	GDM
.....uggaagacuagugauu <u>A</u> guuu.....	16	1	GDM
.....ugg <u>A</u> gacuagugauuuuuguuu.....	18	1	GDM
.....uggaagacuagugau <u>C</u> uuuuguuu.....	122	1	GDM
.....uggaagacuagugauuu <u>G</u> uuu.....	106	1	GDM
.....uggaagacuagug <u>G</u> uuuuguuu.....	115	1	GDM
.....uggaagacua <u>A</u> uguuuuguuu.....	25	1	GDM
.....uggaagacu <u>A</u> uguuuuguuu.....	1	1	GDM
.....uggaagacuagugauuuuug <u>G</u> uu.....	4	1	GDM
.....uggaagacuagugauuuuuguuu.....	31	1	GDM
.....uggaagacua <u>A</u> uguuuuguuu.....	25	1	GDM
.....uggaagacuag <u>U</u> ga <u>C</u> uuuuguuu.....	121	1	GDM
.....uggaag <u>G</u> cuagugauuuuuguuu.....	148	1	GDM
.....ugg <u>U</u> gacuagugauuuuuguuu.....	18	1	GDM
.....uggaa <u>U</u> acuagugauuuuuguuu.....	4	1	GDM
.....ugg <u>G</u> acuagugauuuuuguuu.....	189	1	GDM
.....uggaagacuagugauuuuug <u>G</u> uu.....	4	1	GDM
.....uggaagacuagugauu <u>U</u> guu.....	24	1	GDM
.....uggaagacuagugauu <u>G</u> guu.....	8	1	GDM
.....uggaagac <u>G</u> agugauuuuuguuu.....	17	1	GDM
.....uggaa <u>U</u> acuagugauuuuuguuu.....	4	1	GDM
.....ugg <u>C</u> acuagugauuuuuguuu.....	88	1	GDM
.....ugg <u>C</u> acuagugauuuuuguuu.....	5	1	GDM
.....uggaagacuagu <u>U</u> auuuuuguuu.....	3	1	GDM
.....uggaagacu <u>U</u> ugugauuuuuguuu.....	16	1	GDM
.....uggaagacuagugauGuuuguuu.....	4	1	GDM
.....uggaagacuagugauuuuug <u>G</u> u.....	1754	1	GDM
.....uggaagacuagugauu <u>U</u> guu.....	24	1	GDM
.....ugg <u>U</u> gacuagugauuuuuguuu.....	27	1	GDM
.....uggaag <u>C</u> cuagugauuuuuguuu.....	1	1	GDM
.....uggaagacu <u>G</u> gugauuuuuguuu.....	85	1	GDM
.....uggaagacuagu <u>A</u> auuuuuguuu.....	40	1	GDM
.....uggaagacuagugauuuuug <u>G</u> u.....	8	1	GDM
.....uggaagacuagugauuuuug <u>C</u> u.....	124	1	GDM
.....uggaagacuagugau <u>C</u> uuuuguuu.....	122	1	GDM
.....uggaagacuagugauuu <u>C</u> guuu.....	140	1	GDM
.....uggaagacuagugauuu <u>C</u> guuu.....	140	1	GDM
.....uggaagacuagugauuuuug <u>A</u> u.....	472	1	GDM
.....uggaagacuagugauuuuug <u>A</u> u.....	472	1	GDM
.....uggaagacuagugauuuuug <u>A</u> guu.....	15	1	GDM

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uggauguuuggccuaaguuucuguguggaagacuagugauuuuugguuuuagauaacuaaaucga**caacaaaucacagcugccaua**uggcacaggccaugccucuacag

.....uggaa <u>acuagugauuuuugguuu.</u>	24	1	GDM
.....uggaagacuagugauuuuuggu <u>Cguu.</u>	85	1	GDM
.....uggaagacuagugauuuuugguuu.	25	0	GDM
.....uggaagacuagugauuuuugguuu <u>A.</u>	7	1	GDM
.....uggaagacuagugauuuuugguuu.	25	0	GDM
.....uggaagacuagugauuuuugguuu <u>A.</u>	7	1	GDM
.....uggaagacuagugauuuuugguuu.	25	0	GDM
.....uggaagacuagugauuuuugguuu.	25	0	GDM
.....uggaagacuagu <u>aauuuuugguuu.</u>	1	1	GDM
.....uggaagacuag <u>Guuuuugguuu.</u>	1	1	GDM
.....uggaagacuag <u>guuuuugguuuA.</u>	1	1	GDM
.....uggaagacuag <u>guuuuugguuu.</u>	2	0	GDM
.....Ugaagacuag <u>gugauuuuuguu.</u>	2	1	GDM
.....ggaagacuag <u>gugauuuuuguC.</u>	1	1	GDM
.....Ugaagacuag <u>gugauuuuuguu.</u>	2	1	GDM
.....ggaagacuag <u>gugauuuuuguug.</u>	1	0	GDM
.....Ugaagacuag <u>gugauuuuuguug.</u>	7	1	GDM
.....Ugaagacuag <u>gugauuuuuguug.</u>	7	1	GDM
.....Ugaagacuag <u>gugauuuuuguug.</u>	7	1	GDM
.....ggaagacua <u>Augauuuuugugu.</u>	1	1	GDM
.....Ugaagacuag <u>gugauuuuugugu.</u>	6	1	GDM
.....Ugaagacuag <u>gugauuuuugugu.</u>	6	1	GDM
.....ggaagacuag <u>gugauuuuugugu.</u>	2	0	GDM
.....Ugaagacuag <u>gugauuuuugugu.</u>	34	1	GDM
.....ggaagacuag <u>gugauuuuuguguCu.</u>	1	1	GDM
.....Ugaagacuag <u>gugauuuuuguguu.</u>	34	1	GDM
.....Ugaagacuag <u>gugauuuuuguguu.</u>	34	1	GDM
.....ggaagacuag <u>gugauuuuuguguu.</u>	9	0	GDM
.....ggaagacuag <u>gugauuuuuguguC.</u>	1	1	GDM
.....ggaagacuag <u>gugauuuuuguguu.</u>	9	0	GDM
.....gaagacuag <u>gugauuuuugugu.</u>	2	0	GDM
.....gaagacuag <u>gugauuuuuguguA.</u>	2	1	GDM
.....gaagacuag <u>gugauuuuuguguC.</u>	1	1	GDM
.....gaagacuag <u>gugauuuuuguguu.</u>	2	0	GDM
.....aagacuag <u>gugauuuuuguu.</u>	1	0	GDM
.....caacaaa <u>ucacagcugccau.</u>	3	0	GDM
.....caacaaa <u>ucacagcugccau.</u>	3	0	GDM
.....caacaaa <u>ucacagcugccaua.</u>	57	0	GDM
.....caacaaa <u>ucacagcugccauU.</u>	21	1	GDM
.....Uaacaaa <u>ucacagcugccaua.</u>	1	1	GDM
.....caacaaa <u>ucacagcugccau.</u>	57	0	GDM
.....caacaaa <u>ucacagcugccauC.</u>	4	1	GDM
.....caacGaa <u>ucacagcugccaua.</u>	1	1	GDM
.....cGaca <u>aaaucacagcugccaua.</u>	1	1	GDM
.....caacaaa <u>Ccacagcugccaua.</u>	1	1	GDM
.....caaca <u>Gaucacagcugccaua.</u>	1	1	GDM
.....caacaaa <u>ucacagcugccauC.</u>	4	1	GDM
.....caacaaa <u>ucacagcugccauU.</u>	21	1	GDM
.....caacaaa <u>ucacagcugccauU.</u>	21	1	GDM
.....caacaaa <u>ucacagcugccaua.</u>	57	0	GDM
.....caacaaa <u>ucacagcugccauC.</u>	4	1	GDM
.....caacaaa <u>ucacagcugccauA.</u>	1	1	GDM
.....aacaaa <u>ucacagcugccau.</u>	1	0	GDM
.....aacaaa <u>ucacagcugccauC.</u>	1	1	GDM
.....aacaaa <u>ucacagcugccauU.</u>	5	1	GDM
.....aacaaa <u>ucacagcugccauU.</u>	5	1	GDM
.....aacaaa <u>ucacagcugccaua.</u>	7	0	GDM
.....aacaaa <u>ucacagcugccaua.</u>	7	0	GDM
.....aacaaa <u>ucacagcugccaua.</u>	7	0	GDM
.....Auggaagacuag <u>gugauuuuugugu.</u>	2	1	Z3_
.....uggaag <u>Gcuagugauuu.</u>	1	1	Z3_
.....uggaagacuag <u>gugauuu.</u>	12	0	Z3_
.....uggaagacuag <u>gugauuuug.</u>	19	0	Z3_
.....uggaG <u>acuagugauuuug.</u>	1	1	Z3_
.....uggaagacuag <u>gugauuuugC.</u>	6	1	Z3_
.....uggaagacuag <u>ugaCuuugu.</u>	1	1	Z3_
.....uggaag <u>Gcuagugauuuugu.</u>	1	1	Z3_
.....uggaagacuag <u>gugauuuuugG.</u>	3	1	Z3_
.....uggaagacuag <u>Ggauuuugu.</u>	1	1	Z3_

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uggauguuuggccuaaguuucuguguggaagacuagugauuuugguuuuagauaacuaaaucga**caacaaaaucacagcugccaua**uggcacaggccaugccucuacag

.....uggaagacuagugauuuugA.....	3	1	z3_
.....uggaagacuagugauuuugu.....	57	0	z3_
.....uggaagac <u>A</u> gugauuuugu.....	1	1	z3_
.....ugga <u>G</u> acuagugauuuuguu.....	1	1	z3_
.....uggaagacuagugauuuCguu.....	2	1	z3_
.....uggaagacuagugauuuAuguu.....	5	1	z3_
.....uggaagacuag <u>g</u> auuuuguu.....	1	1	z3_
.....uggaagacuagugauuuugGu.....	1	1	z3_
.....uggaagacuagugauuuuguG.....	2	1	z3_
.....uggaagacuagugauuuugu.....	3	1	z3_
.....ug <u>g</u> aagacuagugauuuuguu.....	6	1	z3_
.....uggaagacuagugauuuCguu.....	1	1	z3_
.....uggaagacuGgugauuuuguu.....	1	1	z3_
.....Aggaagacuagugauuuuguu.....	4	1	z3_
.....uggaagacuaguga <u>A</u> uuuuguu.....	3	1	z3_
.....uggaagacuagugauuuuguu.....	1	1	z3_
.....uggaagacuagugauuuuguu.....	953	0	z3_
.....uggaGgacuagugauuuuguu.....	1	1	z3_
.....uggaCgacuagugauuuuguu.....	5	1	z3_
.....ugga <u>U</u> acuagugauuuuguu.....	1	1	z3_
.....uggaagacuagugauuuugCu.....	1	1	z3_
.....uggaagacuagu <u>A</u> auuuuguu.....	10	1	z3_
.....uggaagacuagugauuuCguu.....	1	1	z3_
.....uggaagacuagugauuuCguu.....	5	1	z3_
.....uggaagacuaguga <u>C</u> uuuuguu.....	6	1	z3_
.....Cggaagacuagugauuuuguu.....	6	1	z3_
.....uggaagacuagugauuuAguu.....	2	1	z3_
.....u <u>A</u> gaagacuagugauuuuguu.....	1	1	z3_
.....uggaagac <u>C</u> agugauuuuguu.....	5	1	z3_
.....uggGgacuagugauuuuguu.....	4	1	z3_
.....uggaagacuag <u>C</u> gauuuuguu.....	5	1	z3_
.....uggaagacuagugauuuugu <u>C</u>	79	1	z3_
.....uggaagGcua <u>g</u> ugauuuuguu.....	6	1	z3_
.....uggaagacuagugauuuuguA.....	14	1	z3_
.....ugga <u>A</u> acuagugauuuuguu.....	2	1	z3_
.....uggaaga <u>G</u> uagugauuuuguug.....	1	1	z3_
.....uggaagacuaguga <u>A</u> uuuuguug.....	1	1	z3_
.....uggGgacuagugauuuuguug.....	3	1	z3_
.....uggaagacuag <u>C</u> gauuuuguug.....	4	1	z3_
.....uggaagacuagug <u>G</u> uuuuguug.....	3	1	z3_
.....uggaagCcu <u>u</u> agugauuuuguug.....	1	1	z3_
.....uggaagacu <u>U</u> gugauuuuguug.....	3	1	z3_
.....uggaagacuagu <u>A</u> uuuuguug.....	2	1	z3_
.....uggaaga <u>U</u> uagugauuuuguug.....	1	1	z3_
.....ugga <u>A</u> acuagugauuuuguug.....	2	1	z3_
.....uggaagacuagugauuu <u>A</u> uug.....	5	1	z3_
.....uggaagGcua <u>g</u> ugauuuuguug.....	1	1	z3_
.....uggaagacu <u>A</u> ugauuuuguug.....	1	1	z3_
.....ugg <u>C</u> acuagugauuuuguug.....	1	1	z3_
.....uggaagacuagugau <u>C</u> uugug.....	2	1	z3_
.....Gggaa <u>g</u> acuagugauuuuguug.....	2	1	z3_
.....uggaagacuagugauuu <u>C</u> guug.....	3	1	z3_
.....ugg <u>G</u> acuagugauuuuguug.....	1	1	z3_
.....ug <u>ga<u>U</u>acuagugauuuuguug.....</u>	1	1	z3_
.....uggaagacuagugauuuugu <u>A</u>	41	1	z3_
.....uggaagacuagugauuuugu <u>U</u>	2	1	z3_
.....u <u>A</u> gaagacuagugauuuuguug.....	1	1	z3_
.....uggaagacuagugauuuugu <u>C</u>	1	1	z3_
.....uggaagacuagugauuuugu <u>C</u>	1	1	z3_
.....uggaagacuagugauuuugu <u>C</u>	1	1	z3_
.....uggaagacuagugauuuugu <u>A</u>	1	1	z3_
.....uggaagacuagugauuuugu <u>U</u>	1	1	z3_
.....ugga <u>A</u> acuagugauuuuguug.....	2	1	z3_
.....uggaagacuagugauuuugu <u>C</u>	3	1	z3_
.....ugga <u>gacuagugauuuuguug.....</u>	3	1	z3_
.....uggaagacuaguga <u>C</u> uuuuguug.....	666	0	z3_
.....uggaagacuag <u>A</u> guuuuguug.....	1	1	z3_
.....uggaagacuagugauuuugu <u>C</u>	5	1	z3_
.....uggaagacuagugauuuCguug.....	2	1	z3_
.....uggaagac <u>C</u> agugauuuuguug.....	1	1	z3_
.....uggaagacuagugauuuAuguuug.....	1	1	z3_
.....Aggaagacuagugauuuuguug.....	1	1	z3_
.....uggaagacuagugauuuGguug.....	1	1	z3_

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uggauguuuggccuaaguuucuguguggaagacuagugauuuugguuuuagauaacuaaaucga**caacaaaaucacagcugccaua**uggcacaggccaugccucuacag

.....uggaagacuGgugauuuuggug.....	1	1	z3_
.....uggaaAacuagugauuuuggug.....	5	1	z3_
.....uggaGgacuagugauuuuggug.....	8	1	z3_
.....uggaagacuagugauuuuggug <u>G</u>	6	1	z3_
.....uggaagacuagugauuuCuguug.....	7	1	z3_
.....uggaagacuagugauuuAugguug.....	4	1	z3_
.....uggaagacuagugauuuuggug.....	1471	0	z3_
.....uggaagacuagugauuuugg <u>Cgu</u>	8	1	z3_
.....uggaagGcuaugugauuuuggug.....	5	1	z3_
.....uggaagacuagugauuuugg <u>Cgu</u>	4	1	z3_
.....uggaagacuagugauuuuggug.....	1	1	z3_
.....uggaagacuaguga <u>Guu</u> uggug.....	4	1	z3_
.....uggaagacuagugauuuAuuugu.....	1	1	z3_
.....uggUagacuagugauuuuggug.....	1	1	z3_
.....uggaagacua <u>U</u> ugauuuuggug.....	1	1	z3_
.....uggaUgacuagugauuuuggug.....	1	1	z3_
.....uggaaga <u>U</u> uagugauuuuggug.....	1	1	z3_
.....uggaagacuagugauuuugg <u>Au</u>	2	1	z3_
.....uggaagacuagugauuuugg <u>C</u>	149	1	z3_
.....uggaagacuagu <u>U</u> auuuuggug.....	1	1	z3_
.....uggaagacuaguga <u>Auu</u> uggug.....	1	1	z3_
.....uggaagac <u>G</u> agugauuuuggug.....	1	1	z3_
.....uggaagacuagugauuuuggug.....	1	1	z3_
.....uggaagac <u>C</u> agugauuuuggug.....	9	1	z3_
.....uggaagac <u>C</u> agugauuuuggug.....	5	1	z3_
.....uggaagacuag <u>G</u> uugauuuuggug.....	1	1	z3_
.....uggaagacuag <u>G</u> uugauuuuggug.....	2	1	z3_
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.....uggaagacuag <u>G</u> uugauuuuggug.....	1	1	z3_
.....uggaagacuag <u>G</u> uugauuuuggug.....	1	1	z3_
.....uggaagacuag <u>G</u> uugauuuuggug.....	41	1	z3_
.....uggGagacuagugauuuuggug.....	5	1	z3_
.....uggaagacua <u>A</u> ugauuuuggug.....	1	1	z3_
.....Aggaagacuagugauuuuggug.....	2	1	z3_
.....uggaagacu <u>U</u> ugauuuuggug.....	4	1	z3_
.....uggaagacuagugau <u>C</u> uuuuggug.....	3	1	z3_
.....Cggaaagacuagugauuuuggug.....	6	1	z3_
.....Gggaaagacuagugauuuuggug.....	2	1	z3_
.....uggaagacuGgugauuuuggug.....	4	1	z3_
.....uggaagacuagu <u>Auu</u> uggug.....	1	1	z3_
.....uAgaagacuagugauuuuggug.....	2	1	z3_
.....uggaagacuagugauuuugg <u>A</u>	190	1	z3_
.....uggaagacuagug <u>C</u> uuuuggug.....	4	1	z3_
.....uggaagac <u>C</u> agugauuuuggug.....	22	1	z3_
.....uggaagacuagugauuuugg <u>Auu</u>	7	1	z3_
.....uggaagacuagugauuuugg <u>Gu</u>	7	1	z3_
.....uggaagacuagugauuuugg <u>G</u>	31	1	z3_
.....uggaagacuagug <u>G</u> uuuuggug.....	2	1	z3_
.....uggaagacuagu <u>U</u> auuuuggug.....	1	1	z3_
.....uggaagacuGuugauuuuggug.....	36	1	z3_
.....Gggaaagacuagugauuuuggug.....	6	1	z3_
.....uAgaagacuagugauuuuggug.....	14	1	z3_
.....uggaagacuagugauuuugg <u>C</u>	807	1	z3_
.....uggaagacuagugauuuAuggug.....	1	1	z3_
.....uggUagacuagugauuuuggug.....	3	1	z3_
.....uggGagacuagugauuuuggug.....	49	1	z3_
.....uggaagacuagugauuuugg <u>Au</u>	5	1	z3_
.....uggaagacuagug <u>G</u> uuuuggug.....	49	1	z3_
.....uggaagacuagug <u>G</u> uuuuggug.....	30	1	z3_
.....ug <u>U</u> aagacuagugauuuuggug.....	1	1	z3_
.....uggaaAacuagugauuuuggug.....	13	1	z3_
.....uggaagacuagugauuuugg <u>Aguu</u>	5	1	z3_
.....uggaagacuagug <u>Auu</u> uggug.....	4	1	z3_
.....uggaagac <u>G</u> agugauuuuggug.....	2	1	z3_
.....uggaagacuagugauuuugg <u>Cguu</u>	30	1	z3_
.....uggaagacuagugauuuGguugu.....	2	1	z3_
.....uggaa <u>U</u> acuagugauuuuggug.....	1	1	z3_
.....uggaagaGuagugauuuuggug.....	3	1	z3_

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uuggauguuuggccuaaguuucuguguggaagacuagugauuuugguuuuuagauaacuaaaucga**caacaaaucacagcugccaua**uggcacaggccaucucuacag

.....uggaagacuagGgauuuugguuu.....	3	1	z3_
.....Aggaagacuagugauuuugguuu.....	25	1	z3_
.....uggaagacuUgugauuuugguuu.....	9	1	z3_
.....uggaUgacuagugauuuugguuu.....	13	1	z3_
.....uggaagacuagugauuGuuguuu.....	1	1	z3_
.....uggaagacuAAugauuuugguuu.....	6	1	z3_
.....uggaagacuagugauGuuguuu.....	2	1	z3_
.....uggaagacuagugauAuuuguuu.....	9	1	z3_
.....uggaagacuagAgaauuuugguuu.....	6	1	z3_
.....uggaagacuagugauuuuggCuuu.....	42	1	z3_
.....uggaagacuagugauuuuggCu.....	43	1	z3_
.....uggaagacuagugauuuugguu.....	1	1	z3_
.....uggaagacuagCgauuuugguuu.....	53	1	z3_
.....uggaagaUuagugauuuugguuu.....	3	1	z3_
.....uggaCgacuagugauuuugguuu.....	13	1	z3_
.....uggaagaAuagugauuuugguuu.....	1	1	z3_
.....uUgaagacuagugauuuugguuu.....	1	1	z3_
.....ugCaagacuagugauuuugguuu.....	1	1	z3_
.....Cggaaagacuagugauuuugguuu.....	51	1	z3_
.....uggaagachagugauuuugguuu.....	10	1	z3_
.....uggaagacuagugauuuAguuguu.....	10	1	z3_
.....ugAaagacuagugauuuugguuu.....	8	1	z3_
.....uggaagacuagugauuuCguuguu.....	33	1	z3_
.....uggaagUcuagugauuuugguuu.....	4	1	z3_
.....uggaagacuagugauuuugguuu.....	9133	0	z3_
.....uggaagacuagugauuCuuguuu.....	40	1	z3_
.....uggaagacuagugauuuugguuu.....	5	1	z3_
.....uggaagacuagugauuuuAuuuguu.....	11	1	z3_
.....uggaagGcuagugauuuugguuu.....	36	1	z3_
.....uggaagacuagugauuuuggAguuu.....	2	1	z3_
.....uggaagacuaguAauuuugguuu.....	11	1	z3_
.....uggaGgacuagugauuuugguuu.....	51	1	z3_
.....uggaagCcuaugugauuuugguuu.....	1	1	z3_
.....uggaagacuagugauCuuguuu.....	28	1	z3_
.....uggaagacuagugauuuCguuguuu.....	1	1	z3_
.....uggaagacuagugauuuugguuu.....	17	0	z3_
.....uggaagacuagugauuuugguuuA.....	6	1	z3_
.....Ugaagacuagugauuuugguu.....	2	1	z3_
.....Ugaagacuagugauuuugguu.....	1	1	z3_
.....ggaagacuagugauuuugguuC.....	1	1	z3_
.....Ugaagacuagugauuuugguu.....	9	1	z3_
.....caacaaaucacagcugccau.....	1	0	z3_
.....caacaaaucacagcugccauU.....	3	1	z3_
.....caacaaaucacagcugccaua.....	15	0	z3_
.....aacaaaaucacagcugccauU.....	1	1	z3_
.....aacaaaaucacagcugccaua.....	2	0	z3_