



Star

	-3'	obs	
		exp	
	reads	mm	sample
aacaaacugua <u>c</u> uugccau <u>uuuggaacagaguagu</u> guuca <u>aa</u> uguu <u>gac</u> auacuacucucuuccga <u>aa</u> uuuggaaa <u>g</u> uguuaca <u>aa</u> uugagacugaaaaacaaaac			
. . . . . ((((((.( ((((((((((((((.( ((((((((((.( ((((. . . ))) . . ))))))) . . ))))))))). . )))) . . . . .			
. . . . . uuuggaacagaguaguag . . . . .	8	0	s10
. . . . . uuuggaacagaguaguaU . . . . .	3	1	s10
. . . . . uuuggaacagaguaguagu . . . . .	8	0	s10
. . . . . uuuggaacagaguaguagC . . . . .	3	1	s10
. . . . . uuuggaacagaguGguagu . . . . .	1	1	s10
. . . . . uGuggaacagaguaguagu . . . . .	1	1	s10
. . . . . uuuggaacagaguaguagu . . . . .	13	0	s10
. . . . . uuuggaacagaguaguaguU . . . . .	1	1	s10
. . . . . Cuuggaacagaguaguaguuc . . . . .	1	1	s10
. . . . . uuuggaacagaguaguaguuc . . . . .	4	0	s10
. . . . . uuuggaacagaguaguaguuca . . . . .	7	0	s10
. . . . . uuuggaacagaguaguaguuc <u>aa</u> . . . . .	8	0	s10
. . . . . uuuggaacagaguaguaUucaa . . . . .	1	1	s10
. . . . . uuuggaacagaguaguaguuc <u>aa</u> C . . . . .	1	1	s10
. . . . . uuuggaacagaguaguaguuc <u>aa</u> . . . . .	2	0	s10
. . . . . gacauacuacucucuuccgaGu . . . . .	2	1	s10
. . . . . gacauacuacucucuuccga <u>au</u> G . . . . .	5	1	s10
. . . . . ac <u>au</u> acuacucucuuccga <u>au</u> . . . . .	1	0	s10
. . . . . ac <u>au</u> acuacucucuuccga <u>au</u> G . . . . .	1	1	s10
. . . . . uuuggaacagaguaguaC . . . . .	1	1	s01
. . . . . uuuggaacagaguaguag . . . . .	3	0	s01
. . . . . uuuggaacagaguaguagu . . . . .	3	0	s01
. . . . . uuuggaacagaguaguagu . . . . .	3	0	s01
. . . . . uuuggaacagaguaguaguA . . . . .	3	1	s01
. . . . . uuuggaacagaguaguaguuc . . . . .	1	0	s01
. . . . . uuuggaacagaguaguaguuca . . . . .	1	0	s01
. . . . . uuuggaacagaguaguaguucU . . . . .	1	1	s01
. . . . . uuuggaacagaguaguaguuc <u>aa</u> . . . . .	3	0	s01
. . . . . uuuggaacagaguaguag . . . . .	4	0	s17
. . . . . uuuggaacagaguaguagA . . . . .	1	1	s17
. . . . . uuuggaacagaguaguagu . . . . .	5	0	s17

## Mature

## Star

aacaaacugacuugccaua	uuuggaacagaguguucaa	uuugaguuugacauacuacucucuccgaau	uuggaaguguuacaa	uugagacugaaaaacaaac			
.....	uuuggaacagaguguuu	.....	5	0		s17	
.....	uuuggaacagaguguuG	.....	1	1		s17	
.....	uuuggaacagaguguucaa	.....	1	0		s17	
.....	.....	.....	.....	.....	.....	.....	.....
.acaaacugacuugccaua	.....	.....	3	0		s12	
.caaacugacuugccGua	.....	.....	2	1		s12	
.....	uuuggaacagaguguag	.....	5	0		s12	
.....	uuuggaacagGguaguagu	.....	1	1		s12	
.....	uuuggaacagaguguagC	.....	2	1		s12	
.....	uuuggaacagaguguagu	.....	16	0		s12	
.....	uuuggaacagaguguaguA	.....	1	1		s12	
.....	uuugGacagaguguaguuu	.....	1	1		s12	
.....	uuuggaacagaguguagCu	.....	1	1		s12	
.....	uuuggaacagaguguaguuu	.....	31	0		s12	
.....	uuuggaacagaguguaguC	.....	1	1		s12	
.....	uuuggaacagaguguaguuc	.....	4	0		s12	
.....	uuuggaacagaguguaguuca	.....	5	0		s12	
.....	uuuggaacagaguguaguucU	.....	1	1		s12	
.....	uuuggaacagaguguUguuca	.....	1	1		s12	
.....	uuuggaacagaguguaguucaU	.....	1	1		s12	
.....	uuuggaacagaguguaguucUa	.....	1	1		s12	
.....	uuuggaacagaguguaguucaC	.....	3	1		s12	
.....	uuuggaacagaguguaguucaaa	.....	17	0		s12	
.....	uuuggaacaCaguaguugucaau	.....	1	1		s12	
.....	uuuggaacagaguguaguucaau	.....	12	0		s12	
.....	uuuggaacagaguguaguucGau	.....	1	1		s12	
.....	Auuggaacagaguguaguucaau	.....	1	1		s12	
.....	uuuggaacagaguguaguucaauU	.....	4	1		s12	
.....	.....gacauacuacucucuccgaau	.....	3	0		s12	
.....	.....gacauacuacucucuccgaaua	.....	4	0		s12	
.....	.....Aacauacuacucucuccgaaua	.....	1	1		s12	
.....	.....gacauacuacucucuaAccgaaua	.....	1	1		s12	
.....	.....gacauacuacucucuccgaaaGa	.....	1	1		s12	
.....	.....acauacuacucucuccgaaua	.....	3	0		s12	
.....	.....acauacuacucucuccgaauau	.....	1	0		s12	
.....	.....cauacuacucucuccgaaua	.....	1	0		s12	
.....	.....uuggaaguguAacaa	uugagacu	1	1		s12	
.....	.....	.....	.....	.....	.....	.....	.....
.....	uuuggaacagaguguA	.....	1	1		s13	
.....	uuuggaacagaguguag	.....	10	0		s13	
.....	uuuggaacagaguguagA	.....	1	1		s13	
.....	uuuggaacagaguguagC	.....	7	1		s13	
.....	uuuggaacagagugAgu	.....	1	1		s13	
.....	uuuggaacagaguguagu	.....	28	0		s13	
.....	uuuggaacagGguaguaguuu	.....	1	1		s13	
.....	uuuggaacagaguguaguC	.....	7	1		s13	
.....	uuuggaacagaguguaguA	.....	1	1		s13	
.....	uuuggaacagaguguAuu	.....	3	1		s13	
.....	uuuggaacagaguguagGu	.....	1	1		s13	
.....	uuuggaacagaguguaguuu	.....	35	0		s13	
.....	uuuggaacagaguguaguuuU	.....	2	1		s13	
.....	uuuggaacagaguguaguuc	.....	6	0		s13	
.....	uuuggaacagaguguaguua	.....	4	1		s13	
.....	uuugGacagaguguaguuca	.....	1	1		s13	
.....	uuuggaacagGguaguuguuca	.....	1	1		s13	
.....	uuuggaacagaguguaguuca	.....	28	0		s13	
.....	uuuggaacagaguguaguucaaa	.....	8	0		s13	
.....	uuuggaacagaguguaguucaU	.....	1	1		s13	
.....	uuuggaacagaguguaguucaau	.....	4	0		s13	
.....	uuuggaacagaguguaguucaaua	.....	2	0		s13	
.....	uuuggaacagaguguaguucaauU	.....	1	1		s13	
.....	.....Cgacauacuacucucuccgaaua	.....	1	1		s13	
.....	.....gacauacuacucucuccgaaua	.....	1	0		s13	
.....	.....gacauacuacucucuccgaauG	.....	1	1		s13	
.....	.....acauacuacucucuccgaau	.....	1	0		s13	
.....	.....	.....	.....	.....	.....	.....	.....
.....	uuuggaacagagCaguag	.....	3	1		s19	
.....	uuuggaacagGguaguag	.....	1	1		s19	
.....	uuuggaacagaguguA	.....	2	1		s19	
.....	uuuggaacagaguguag	.....	8	0		s19	

## Mature

## Star

aacaaacugua <u>cuugccaua</u> uuuggaacagaguagu <u>ucaa</u> uaguuugacau <u>acuacucuc</u> uuccgaa <u>u</u> uggaaaguguuacaa <u>u</u> ugagacugaaaaacaaac			
.....uuuggaacagaguaguagC.....	2	1	s19
.....uuuggaacagaguaguagu.....	8	0	s19
.....uuuggaaUagaguagu.....	1	1	s19
.....uuuggaacagaguaguaguu.....	3	0	s19
.....uuuggaacagaguaguGguuca.....	1	1	s19
.....uuuggaacagaguaguaguucaa.....	2	0	s19
.....uuuggaacagaguaguaguucaaC.....	1	1	s19
.....uuuggaacagaguaguaguucaaGu.....	1	1	s19
.....uuuggaacagaguaguaguucaaU.....	1	0	s19
.....gacauacuacucuc <u>uuccgaa</u> u.....	1	0	s19
.....gacauacuacucuc <u>uuccgaa</u> u.....	1	0	s19
.....uuuggaacagaguaguaU.....	1	1	s14
.....uuuggaacagaguaguagu.....	9	0	s14
.....uuuggaacagaguaguaguu.....	6	0	s14
.....uuuggaacagaguaguaguucaa.....	3	0	s14
.....uuuggaacagaguaguaguucaaU.....	3	0	s14
.....uuuggaacagaguaguaguucaaU.....	3	1	s14
.....gacauacuacucuc <u>uuccgaa</u> u.....	1	0	s14
.....gacauacuacucuc <u>uuccgaa</u> U.....	1	1	s14
.....uuuggaacagaguaguag.....	4	0	s18
.....uuuggaacagaguaguaguucaa.....	2	0	s18
.....uuuggaacagaguaguaguucaaC.....	2	1	s18
.....acauacuacucuc <u>uuccgaa</u> u.....	1	0	s18
.....uuuggaacagaguaguag.....	2	0	s05
.....uuuggaacagaguaguagC.....	2	1	s05
.....uuuggaacagaguaguagu.....	5	0	s05
.....uuuggaacagaguagCaguu.....	1	1	s05
.....uuuggaacagaguaguaguu.....	17	0	s05
.....uuuggaacagGguaguaguu.....	1	1	s05
.....uuuggaacGgaguaguaguu.....	1	1	s05
.....uuuggaacagaguaguaguC.....	2	1	s05
.....uuuggaacagaguaguaUuu.....	1	1	s05
.....uuuggaacagaa <u>hu</u> aguaguuc.....	1	1	s05
.....uuuggaacagaguaguaguuc.....	5	0	s05
.....uuuggaacagaguaguaguuca.....	7	0	s05
.....uuuggaacagaguaguaguucaa.....	10	0	s05
.....uuuggaacagaguaguaguucaaU.....	6	0	s05
.....uuuggaacagaguaguaguucaaU.....	1	0	s05
.....uuuggaacagaguaguaguucaaU.....	2	1	s05
.....uuggaacagaguaguaguuca.....	3	0	s05
.....auaguuugacauacuacucuc <u>uuccgaa</u> u.....	1	0	s05
.....gacauacuacucuc <u>uuccgaa</u> u.....	3	0	s05
.....gacauacuacucuc <u>uuccgaa</u> u.....	4	0	s05
.....acauacuacucuc <u>uuccgaa</u> u.....	1	0	s05
.....Auuggaacagaguaguagu.....	1	1	s11
.....uuuggaacagaguaguagu.....	2	0	s11
.....uuuggaacagaguaguaguG.....	1	1	s11
.....uuuggaacagaguaguaguu.....	3	0	s11
.....uuuggaacagaguaguaguuca.....	2	0	s11
aacaaacugua <u>cuugccaua</u> .....	1	0	s02
..caaacugua <u>cuugccaua</u> .....	1	0	s02
.....Cuuggaacagaguaguaguu.....	2	1	s02
.....uuuggaacagaguaguag.....	27	0	s02
.....uuuggaacGgaguaguag.....	3	1	s02
.....uuuggaacagaguaguagC.....	1	1	s02
.....uuuggaacagaguaguaA.....	2	1	s02
.....uuuggaacagaguaguaU.....	3	1	s02
.....uuuggGacagaguaguagu.....	1	1	s02
.....uuuggaa <u>h</u> agaguaguagu.....	1	1	s02
.....uuuggaacagaguaguagu.....	48	0	s02
.....uuuggaacagaguaguagC.....	9	1	s02
.....uuuggaacagaguUguagu.....	1	1	s02
.....uuuggaacagaguagGagu.....	1	1	s02
.....uuuggGacagaguaguaguu.....	1	1	s02
.....uuuggaacGgaguaguaguu.....	1	1	s02

# Mature Star

aacaaacuguaucugccauauuuggaacagaguaguucaauuaguuugacauacuacucucuuccgaauauggaauguguuacaauugagacugaaaaacaaaac

.....uuuggaacagaguaguA.....	3	1	s02
.....uuuggaacagaguaguCu.....	1	1	s02
.....uuuggaacagaguaguAu.....	1	1	s02
.....uCuggaacagaguaguuu.....	1	1	s02
.....uuuggaacagaguagCagu.....	1	1	s02
.....uuCggaacagaguaguuu.....	1	1	s02
.....uuuggaacagaguaguUgu.....	1	1	s02
.....uuuggaacagaguaguGu.....	3	1	s02
.....uuuggaacagaguaguG.....	2	1	s02
.....uuuggaacagaguaguC.....	24	1	s02
.....uuuggaaUagaguaguuu.....	1	1	s02
.....uuuggaacagaguaguuu.....	153	0	s02
.....uuuggaacagaguaguU.....	1	1	s02
.....uuuggaacagaguaguCc.....	1	1	s02
.....uuuggaacagaguaguuc.....	12	0	s02
.....uuuggaacagaguaguA.....	8	1	s02
.....uuuggaacagaguaguucU.....	1	1	s02
.....uuuggaacagaguaguuca.....	35	0	s02
.....uuuggaacagGguaguuguca.....	1	1	s02
.....uuuggaacGgaguaguuguca.....	1	1	s02
.....uuuggaacagaguagCaguuca.....	2	1	s02
.....uuuggaUcagaguaguugucaa.....	1	1	s02
.....uuuggaacagagAaguugucaa.....	1	1	s02
.....uuuggGacagaguaguugucaa.....	2	1	s02
.....uuuggaacagaguaguugucaa.....	74	0	s02
.....uuuggaacagaguCguugucaa.....	1	1	s02
.....uuuggaacagaguaguugucaa.....	16	0	s02
.....uuuggaacagaguaguugucaaC.....	2	1	s02
.....uuuggaacagaguaguuguGaua.....	1	1	s02
.....uuuggaacagaguaguugucaaC.....	4	1	s02
.....uuuggaacagaguaguugucaaU.....	29	1	s02
.....uuggaacagaguaguuu.....	2	0	s02
.....uuggaacagaguaguuguca.....	1	0	s02
.....uggaacagaguaguuguCca.....	2	1	s02
.....gacauacuacucucuucc.....	1	0	s02
.....gacauacuacucucuuccga.....	1	0	s02
.....gacauacuacucucuuccgaau.....	29	0	s02
.....gacauacuacucucuuccgaag.....	1	1	s02
.....gacauacuacucucuucccgCau.....	1	1	s02
.....gacauacuacucucuuccgaac.....	5	1	s02
.....gacauacuacucucuuccgaaua.....	28	0	s02
.....gacauacuacucucuuccgaauC.....	2	1	s02
.....gacauacuacuGucuuccgaaua.....	1	1	s02
.....gacauacuacucucuuccgaauau.....	2	0	s02
.....gacauacuacucucuuccgaauaC.....	1	1	s02
.....acauacuacucucuuccgaau.....	5	0	s02
.....acUuacuacucucuuccgaaua.....	1	1	s02
.....acauacuacucucuuccgaaua.....	7	0	s02
.....acGuacuacucucuuccgaaua.....	2	1	s02
.....acauacuacucucuuccgaauG.....	1	1	s02
.....auacuacucucuuccgaau.....	1	0	s02
.....uuuggaacagaguaguag.....	7	0	s15
.....uuuggaacagaguaguagu.....	1	0	s15
.....uuuggaacagaguUguaguuu.....	1	1	s15
.....uuuggaacagaguaguugucaa.....	1	0	s15
.....gacauacuacucucuUcgaua.....	2	1	s15
.....uuuggaacagaguaguagu.....	1	0	s03
.....uuuggaacagaguaguagu.....	1	0	s03
.....uuuggaacagaguaguuguA.....	1	1	s03
.....uuuggaacagaguaguuguca.....	1	0	s03
.....uuuggaacagaguaguugucaa.....	4	0	s03
.....uuuggaacagaguaguaCuucaau.....	2	1	s03
.....uuuggaacagaguaguugucaa.....	3	0	s03
.....gacauacuacucucuuccgaau.....	1	0	s03
.....gacauacuacucucuuccgaauG.....	1	1	s03
.....gacauacuacucucuuccgaaua.....	1	0	s03
.....auuuggaacagaguaguagu.....	1	0	s06

## Mature

## Star

aacaaacugacuugccaua	uuuggaacagaguaguauca	aaauaguuugacauacuacucucuccgaau	uuggaaguguuacaa	uugagacugaaaaacaaac			
.....	auuuggaacagaguaguauU	.....	1	1	s06		
.....	auuuggaacagaguaguaucaUu	.....	1	1	s06		
.....	uuuggaacagaguaguag	.....	1	0	s06		
.....	uuuggaacagaguaguau	.....	3	0	s06		
.....	uuuggaacagaguaguauu	.....	3	0	s06		
.....	uuuggaacagaguaguauca	.....	3	0	s06		
.....	uuuggaacagaguaguaucaa	.....	4	0	s06		
.....	uuuggaacagaguaguagCucaau	.....	1	1	s06		
.....	uuuggaacagaguaguaucaau	.....	3	0	s06		
.....	uuuggaacagaguaguaucaauU	.....	3	1	s06		
.....	uuuggaacagaguaguauu	.....	1	0	s06		
.....	gacauacuacucucuccgaau	.....	1	0	s06		
.....	uuuggaacagaguaguagG	.....	1	1	s09		
.....	uuuggaacagaguaguag	.....	4	0	s09		
.....	uuuggaacagaguaguagA	.....	1	1	s09		
.....	uuuggaacagaguaguauu	.....	2	0	s09		
.....	uuuggaacagaguagguauu	.....	1	1	s09		
.....	gacauacuacucucuccgaau	.....	1	0	s09		
.....	gacauacuacucucuccgaauu	.....	1	0	s09		
.....	uuggaaguguuacaa	uugagacugaaaaa	2	0	s09		
..caaacugacuugccaua	.....	.....	3	0	s07		
.....	uuuggaacagaguaguaA	.....	1	1	s07		
.....	uuuggaacagaguaguag	.....	13	0	s07		
.....	uuuggaacagaguaguaU	.....	2	1	s07		
.....	uuuggGacagaguaguau	.....	1	1	s07		
.....	uuuggaacagaguaguagC	.....	3	1	s07		
.....	uuuggaGcagaguaguagu	.....	2	1	s07		
.....	uuuggaacagaguaguagu	.....	21	0	s07		
.....	uuuggaacagaguaguUgu	.....	1	1	s07		
.....	uuuggaacagaguaguauu	.....	23	0	s07		
.....	uuuggaacagaguaguauC	.....	2	1	s07		
.....	uuuggaacagaguaguauG	.....	1	1	s07		
.....	uuuggaacagaguaguagGu	.....	2	1	s07		
.....	uuuggaacagaguaguauuc	.....	5	0	s07		
.....	uuuggCacagaguaguauuca	.....	1	1	s07		
.....	uuuggaacagaguaguauucU	.....	1	1	s07		
.....	uuuggaacagagCaguauuca	.....	1	1	s07		
.....	uuuggaacagaguaguauuca	.....	10	0	s07		
.....	uuuggaacaUaguaguauuca	.....	1	1	s07		
.....	uuuggGacagaguaguauuca	.....	1	1	s07		
.....	uuuggaacagaguaguauucaU	.....	2	1	s07		
.....	uuuggaacagaguauUaguuca	.....	1	1	s07		
.....	uuuggaacagaguaguauuca	.....	21	0	s07		
.....	uuuggaacagaguaguauucaCu	.....	1	1	s07		
.....	uuuggaacagaguaguauucaau	.....	4	0	s07		
.....	uuuggaacagaguaguauucaGu	.....	1	1	s07		
.....	uuuggaacagaguaguauUaa	.....	1	1	s07		
.....	uuuggaacagaguaguauucaauU	.....	6	1	s07		
.....	uuuggaacagaguaguauucaauaguuA	.....	1	1	s07		
.....	uuuggaacagaguaguauu	.....	1	0	s07		
.....	gacauacuacucucuccgaac	.....	1	1	s07		
.....	gacauacuacucucuccgaaua	.....	6	0	s07		
.....	gacauacuCcucucuccgaaua	.....	1	1	s07		
.....	uuuggaacagaguaguaU	.....	2	1	s08		
.....	uuuggaacagaguaguag	.....	5	0	s08		
.....	uuuggaacGgaguaguagu	.....	1	1	s08		
.....	uuuggaacagaguaguagC	.....	1	1	s08		
.....	uuuggaacagaguaguagG	.....	1	1	s08		
.....	uuuggaacagaguaguagA	.....	2	1	s08		
.....	uuuggaacagaguaguagu	.....	10	0	s08		
.....	uuuggaacaUaguaguauu	.....	1	1	s08		
.....	uuuggaacagaguaguaguC	.....	3	1	s08		
.....	uuuggaacagaguaguauu	.....	18	0	s08		
.....	uuuggaacagaguaguauU	.....	1	1	s08		
.....	uuuggaacagaguaguauuc	.....	5	0	s08		
.....	uuuggaacagaguaguauuca	.....	7	0	s08		
.....	uuuggaacagaguaguauuca	.....	8	0	s08		

# Mature Star

aacaaacugacuugccauuuuuggaacagaguaguagucaauaguuugacauacuacucucuuccgaauauggaaaguguuacaaauugagacugaaaaacaaac			
.....uuuggaacagaguaguagucaau.....	2	0	s08
.....auaguuuugacauacuacucCcuuccgaaua.....	1	1	s08
.....gacauacuacucucuuccgaaua.....	1	0	s08
.....uuuggaacagaguaguaguuc.....	3	0	s04
..caaacGguacuugccaua.....	1	1	s16
.....uuuggaacagaguaguag.....	1	0	s16
.....uuuggaacagaguaguagG.....	1	1	s16
.....uuuggaacagaguaguagu.....	3	0	s16
.....uuuggaGcagaguaguagu.....	1	1	s16
.....uuuggaacagaguaguaguuu.....	12	0	s16
.....uuuggaacagaguaguaguuc.....	1	0	s16
.....uuuggaacagaguaguaguuca.....	1	0	s16
.....uuuggaacagaguaguaguucaa.....	3	0	s16
.....uuuggaacagaguaguaguucaau.....	1	0	s16
.....gacauacuacucucuuccgaaua.....	1	0	s16