



Star

5'	ucuaucuaucuaucuaucuaaaggggagucagggugguuaggggucccaucucuguguuuuccuaccuccucaa.aucgacucccagucaaauacaucuggcugggguuugcg	-3'	exp	
	((((((((.....(((((((.....))))))))......))))).)).)))))......(((.....(((((((.....))))))))......)))	reads	mm	sample
	aaCggggagucaggguggu.....	1	1	s72
	aaaggggagucagggugga.....	1	1	s72
	aaaggggUgucaggguggu.....	2	1	s72
	aaaggggagucagggugguu.....	1	0	s72
	aaaggggagucagggugguuu.....	3	0	s72
	aaaggggagucagggugguua.....	2	0	s72
	aaaggggagucagggugguuag.....	12	0	s72
	aggggagucagggugguA.....	1	1	s72
	aggggagucAagguuggu.....	1	1	s72
	aggggagucagggugguu.....	15	0	s72
	aggggagucagggugguuA.....	7	1	s72
	aggggagucagggugguuu.....	6	0	s72
	aggUgagucagggugguua.....	2	1	s72
	aggggagucagggugguuU.....	3	1	s72
	aggggagucagggugguua.....	22	0	s72
	aggggagucagggugguuag.....	105	0	s72
	aggggagucagggUgguuag.....	1	1	s72
	aggggagucagggugguuuGg.....	2	1	s72
	aggggaAucagggugguuag.....	1	1	s72
	ggggagucagggugguuu.....	1	0	s72
	gggggagucagggugguuuag.....	6	0	s72
	ggUgagucagggugguuag.....	1	1	s72
	gggagucagggugguua.....	1	0	s72
	gggagucagggugguuuag.....	4	0	s72
	gggCgucagggugguuag.....	1	1	s72
	aaaggggagucaggguggg.....	2	0	s52
	aaCggggagucaggguggu.....	3	1	s52
	aaaggggagucagggugguuu.....	1	0	s52
	aaCggggagucagggugguuu.....	5	1	s52
	aaCggggagucagggugguua.....	1	1	s52
	aaaggggagucagggugguuag.....	1	0	s52
	aaCggggagucagggugguuuag.....	1	1	s52
	aaGUgggagucaggguggu.....	2	1	s52

## Mature

## Star

ucuaucuaucuaucuaucuaaaggaggagucagggugguuuaggggucccaucucuguguuuuccuaccuccucaaauaagcagacuccagucuuuacauucuggcugggguuugcg

.....aaggaggagucaggguggu.....	23	0	s52
.....aaggaggagucaggguggG.....	2	1	s52
.....aaggaggagucagggugguu.....	11	0	s52
.....aaggaggagucagggugguA.....	1	1	s52
.....aaggaggagucagggugguuu.....	14	0	s52
.....aaggaggagucCgggugguuu.....	1	1	s52
.....aaggaggagucagggugguuuA.....	2	0	s52
.....aaggaggagucagggugguuuag.....	30	0	s52
.....aagUggagucagggugguuuag.....	4	1	s52
.....aaggggAagucagggugguuuag.....	1	1	s52
.....aggaggagucagggugguA.....	8	1	s52
.....aggaggagucagggugguu.....	112	0	s52
.....aggaggagucagggugguG.....	1	1	s52
.....aggaggagucagggugggAu.....	1	1	s52
.....aggaggagucCgggugguu.....	1	1	s52
.....aggggCgucagggugguu.....	2	1	s52
.....aggggagucagggugguuA.....	36	1	s52
.....aggggagucagggugUuuu.....	1	1	s52
.....aggggagucCgggugguuu.....	2	1	s52
.....aggggagucagggguUguuu.....	1	1	s52
.....aggggagucagggugguuu.....	83	0	s52
.....aggggagucagggugguAu.....	2	1	s52
.....aggggCgucagggugguuu.....	1	1	s52
.....aggggagucagggugguuuC.....	1	1	s52
.....aggggagucagggugguuuU.....	4	1	s52
.....aggggagucagggugguuuA.....	24	0	s52
.....aggggagucagggugguuAa.....	1	1	s52
.....aggggAaucagggugguuuag.....	1	1	s52
.....aggggagucagggugggAuag.....	1	1	s52
.....aggggUgucagggugguuuag.....	1	1	s52
.....aggggagucagggugguuuAa.....	2	1	s52
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.....aggggagucagggugguAuag.....	2	1	s52
.....ggggagucagggugguuu.....	2	0	s52
.....ggggagucagggugguuA.....	3	1	s52
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.....ggggagucagggugguuuAa.....	2	0	s52
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.....ggggagucagggugguuuCg.....	1	1	s52
.....gggagucagggugguuuAa.....	5	0	s52
.....gggagucagggugguuuag.....	2	0	s52
.....gggagucagggugguuuCg.....	1	1	s52
.....ggagucagggugguuuag.....	1	0	s52
.....aaaggggagucagggugg.....	7	0	s23
.....aaCggggagucagggugg.....	3	1	s23
.....aaCggggagucaggguggu.....	4	1	s23
.....aaaggggagucaggguggu.....	1	0	s23
.....aaaggggagucagggugguu.....	5	0	s23
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.....aaCgggggagucagggugguuuAa.....	7	1	s23
.....aaaggggagucagggugguuuag.....	2	0	s23
.....aaaggggAagucagggugguuuuag.....	1	1	s23
.....aaggggagucaggguggu.....	28	0	s23
.....aaggggagucagggugguA.....	5	1	s23
.....aaggggaguuAagggugguu.....	1	1	s23
.....aagggAagucagggugguu.....	1	1	s23
.....aaggggagucagggugguu.....	20	0	s23
.....aaggggagucCgggugguu.....	1	1	s23
.....aaggggagucagggugguuA.....	27	1	s23
.....aaggggagucCgggugguuu.....	5	1	s23

## Mature

## Star

ucuaucuaucuaucuaucuaaaggaggagucagggugguuuaggggucccaucucuguguuuuccuaccuccucaaauccgacuccagucaaaauacaucuggcuggguuugcg			
.....aaggggagucagggugguuu.....	47	0	s23
.....aagUggagucagggugguuu.....	2	1	s23
.....aaggggagucagggugguuG.....	1	1	s23
.....aaggggagucGgggugguuuA.....	1	1	s23
.....aaggggagucagggugguuuA.....	21	0	s23
.....aaggggagucagggugguuAa.....	5	1	s23
.....aaggggagucagggugguuuG.....	1	1	s23
.....aaggggagucagggugguuuCg.....	1	1	s23
.....aaggggagucagggugguuuag.....	23	0	s23
.....aaggggagucagggguAguuuag.....	1	1	s23
.....aaggggagucagggugguuuGg.....	1	1	s23
.....aaggggagucagggugguuuAa.....	2	1	s23
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.....aggggagucagggugguA.....	8	1	s23
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.....aggggGgucagggugguu.....	1	1	s23
.....aggggagucagggugguA.....	1	1	s23
.....aggggagucagggguAguuu.....	2	1	s23
.....aggggagucagggugguuA.....	51	1	s23
.....aggggaAucagggugguuu.....	1	1	s23
.....aggggagucagggugguuC.....	2	1	s23
.....aggAagucagggugguuu.....	3	1	s23
.....aggggCgucagggugguuu.....	1	1	s23
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.....aggggagucagggugguuuCg.....	1	1	s23
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.....aggggagucagggugguGuag.....	1	1	s23
.....aggggagucagggugguuuag.....	141	0	s23
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.....aggggagucagggguAguuuag.....	1	1	s23
.....aggggagucagggugguuuU.....	2	1	s23
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.....ggggagucagggugguuu.....	7	0	s23
.....ggggagucagggugguuAa.....	1	1	s23
.....ggggagucagggugguuuC.....	1	1	s23
.....ggggagucagggugguuuA.....	3	0	s23
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.....aggggagucagggugguA.....	1	1	s13
.....aggggagucagggugguuu.....	14	0	s13
.....aggggagucagggugguuA.....	3	1	s13

## Mature

## Star

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.....aggggagucagggugguuuA.....	10	0	s13
.....aggggagucagggugguuuU.....	1	1	s13
.....aggggagucagggugguuuA.....	1	1	s13
.....aggggagucagggugguuuag.....	94	0	s13
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.....ggggagucagggugguuu.....	1	0	s13
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.....agggggagucagggugguuA.....	39	1	s60
.....agggggagucagggugguG.....	2	1	s60
.....agggggagucagggugguA.....	1	1	s60

## Mature

## Star

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.....aggggaAucagggugguuu.....	2	1	s60
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.....uuacaucuggcugggguuugcg.....	1	0	s60
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.....ggggagucagggugguuuCg.....	1	1	s85
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.....ggggagucaUggugguuuag.....	1	1	s85
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.....aaCgggggagucagggugguu.....	6	1	s35
.....aaaggggagucagggugguuu.....	4	0	s35
.....aaCgggggagucagggugguuu.....	11	1	s35

## Mature

## Star

ucuaucuaucuaucuaucuaaaggggagucagggugguuuaggggucuccaucucuguguuuuuccuaccuccucaaauaagcagacuccagucuuuacuaucuggcuggguuugcg

.....aaaggggagucagggugguuA.....	2	1	s35
.....aaaggggagucagggugguuuA.....	1	0	s35
.....aaCggggagucagggugguuuA.....	1	1	s35
.....aaaggggagucagggugguuuag.....	3	0	s35
.....aaCggggagucagggugguuuag.....	5	1	s35
.....aaaggggagucagAgugguuuag.....	1	1	s35
.....aaCggggagucagggugguuuagg.....	1	1	s35
.....aaggggagucGggguggu.....	2	1	s35
.....aaggggagucagggguAgu.....	2	1	s35
.....aagUggagucaggguggu.....	6	1	s35
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.....aaggggGgucagggugguu.....	1	1	s35
.....aaggggagucagggugguC.....	1	1	s35
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.....aagUggagucagggugguu.....	4	1	s35
.....aaggggagucagggugguA.....	4	1	s35
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.....aggggagucagggugggAu.....	1	1	s35
.....aggggaAucagggugguu.....	4	1	s35
.....aggggagucagggugguG.....	1	1	s35
.....aggggagucagggugguu.....	227	0	s35
.....aggggagucagggugguA.....	44	1	s35
.....aggggGgucagggugguu.....	3	1	s35
.....aggggagucAaggugguu.....	1	1	s35
.....aggggagucagggugUuu.....	3	1	s35
.....aggggaUucagggugguu.....	1	1	s35
.....aggggGgucagggugguu.....	1	1	s35
.....aggggGgucagggugguuu.....	1	1	s35
.....aggggagucCgggugguuu.....	2	1	s35
.....aggggagucagggugggAuu.....	1	1	s35
.....aggggagucAaggugguuu.....	3	1	s35
.....aggggGgucagggugguuu.....	2	1	s35
.....aggggagucagggugguAu.....	2	1	s35
.....aggggaguuAagggugguu.....	1	1	s35
.....aggggagucagggugguuu.....	273	0	s35
.....aggggagucagggugguuA.....	236	1	s35
.....aggggagAagggugguuu.....	1	1	s35
.....aggUgagucagggugguuu.....	3	1	s35
.....aggggaAucagggugguuu.....	5	1	s35
.....aggggagucagggugguuuU.....	11	1	s35
.....aggggagucagggugggAuuA.....	1	1	s35
.....aggggagucCgggugguuuA.....	1	1	s35
.....agCggagucagggugguuuA.....	2	1	s35
.....aggUgagucagggugguuuA.....	1	1	s35
.....aggggagucagggugguAua.....	1	1	s35
.....aggggagucagggugguuuAa.....	31	1	s35
.....aggggaUucagggugguuuA.....	1	1	s35
.....aggggagucAaggugguuuA.....	1	1	s35
.....aggggGgucagggugguuuA.....	1	1	s35
.....aggggagucagggugguuuC.....	4	1	s35
.....aggggagucagggugguuuA.....	88	0	s35

# Mature

# Star

ucuaucuaucuaucuaucuaaaggaggagucagggugguuuaggggucccaucucuguguuuuuccuaccuccucaaaua	1	1	s35
.....aggaggagucagggugguuuag.....	1	1	s35
.....aggAgagucagggugguuuag.....	1	1	s35
.....aggaggagucagggugguuuuCG.....	3	1	s35
.....aggaggagucagggugguuuuA.....	17	1	s35
.....aggggGgucagggugguuuag.....	1	1	s35
.....aggggagucagggugguuuag.....	1	1	s35
.....aggggUgucagggugguuuag.....	1	1	s35
.....aggggagucagggugguuuag.....	236	0	s35
.....aggggagucagggugguuuuU.....	3	1	s35
.....aggggagucagggugguuuG.....	3	1	s35
.....aggggagucagggugguuuuag.....	2	1	s35
.....aggggagucagggugguuuuA.....	1	1	s35
.....aggggagucagggugguuuuag.....	2	1	s35
.....agggggaAucagggugguuuuag.....	1	1	s35
.....aggggGgucagggugguuuuag.....	1	1	s35
.....aggggagucagggugguuuuagA.....	2	1	s35
.....aggggagucagggugguuuuagCG.....	3	1	s35
.....aggggagucagggugguuuuagUggucc.....	1	1	s35
.....ggggagucagggugguuuA.....	12	1	s35
.....ggggagucagggugguuu.....	19	0	s35
.....ggggagucagggugguuuA.....	1	1	s35
.....ggggagucagggugguuuuA.....	5	0	s35
.....ggggagucagggugguuuuag.....	18	0	s35
.....gggagucagggugguuuuA.....	5	0	s35
.....gggagucagggugguuuuag.....	7	0	s35
.....gggagucagggugguuuuag.....	3	0	s35