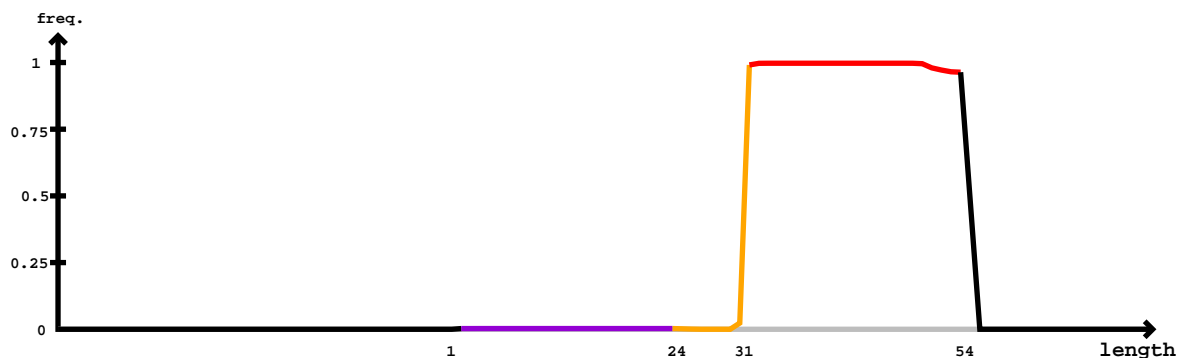


A diagram of a DNA double helix. The left strand runs from 5' at the top to 3' at the bottom, with bases U, G, A, U, A, A, U, U, G, U, U, A, C, A. The right strand runs from 3' at the top to 5' at the bottom, with bases A, C, U, C, G, U, U, A, C, A, A, U, G, A. Base pairs are connected by vertical lines: U-A, G-C, A-U, U-A, A-U, U-G, U-C, A-G, C-U, A-U.



		-3'	obs	
			exp	
5 -	aacaaaaugcacauucacuggagcuaauuacauguaaaauugaauaaauuguuacaaaagagauguaauuauucuaaccuguaacaaauugcucaguuacacauguacaacaaagg			
	aacaaaaugcacauucacuggagcuaauuacauguaaaauugaauaaauuguuacaaaagagauguaauuauucuaaccuguaacaaauugcucaguuacacauguacaacaaagg			
	.....((.((.....)).)).....((((((.((((((.(((((((((((.(((((((...)))))).).)))))))))).)))))).)))))).....	reads	mm	sample
	.....ugaauaaauuguuacaaaagagaau.....	10	0	s02
	.....ugaauaaauuguuacaaaagaaC.....	1	1	s02
	.....ugaauaaauuguuacaaaagagaauA.....	1	1	s02
	.....ugaauaaauuguuacaaaagagaauU.....	3	1	s02
	.....ugaauaaauuguuacaaaagagaauU.....	5	1	s02
	.....uucuaaccuguaacaaauA.....	1	1	s02
	.....uucuaaccuguaacaaauugc.....	2	0	s02
	.....Cucuaccuguaacaaauugcu.....	1	1	s02
	.....uucuaaccuguaacaaauugcG.....	1	1	s02
	.....uucuaaccuguaacaaauugGu.....	1	1	s02
	.....uucuaaccuguaacaaauugcu.....	71	0	s02
	.....uucuaaccuguaacaaauugcC.....	10	1	s02
	.....uucuaaccuguaacaaGugcu.....	1	1	s02
	.....uucuaaccuguaacaaauugcA.....	1	1	s02
	.....Gucuaccuguaacaaauugcu.....	1	1	s02
	.....uucuaaccuguaacaaauugcuc.....	8	0	s02
	.....uucuaaccuguaacaaauugcuA.....	3	1	s02
	.....uucUGcuguaacaaauugcuca.....	1	1	s02
	.....uucuaaccuguaacaaauugcucG.....	2	1	s02
	.....uucuaaccuguaacaaauugcuca.....	33	0	s02
	.....uucuaacAuguaacaaauugcuca.....	1	1	s02
	.....uucuaaccuguUacaaauugcuca.....	1	1	s02
	.....uucuaaccuguaacaaauugcucaU.....	2	1	s02
	.....Cucuaccuguaacaaauugcucag.....	1	1	s02
	.....ucuaccuguaacaaauugc.....	1	0	s02
	.....ucuaccuguaacaaauugcu.....	12	0	s02
	.....ucuaccuguaacaaauugcA.....	1	1	s02
	.....ucuaccuguaacaaauugcC.....	1	1	s02
	.....ucuaccuguUacaaauugcuc.....	13	1	s02
	.....ucuaccuguaacaaauugcuc.....	9	0	s02
	.....ucuaccuguaacaaauugcuca.....	1	0	s02
	.....ucuaccuguUacaaauugcuca.....	1	1	s02
	.....ucuaccuguaacaaauugcCag.....	2	1	s02

## Star

## Mature

aacaaaaugcacauucacuggagcuaauuauacauguaaaauugaauaauuguuacaaauagaau	guauuuauucuaaccuguaacaaauugcucaguu	cacauuacacauuacacaaaggg			
.....ucuaaccuguUacaaauugcucag.....	1	1	s02		
.....ucuaaccuguaacaaauugcucUg.....	1	1	s02		
.....ucuaaccuguaacaaauugcucUagu.....	2	1	s02		
.....ucuaAucuguaacaaauugcucacagu.....	2	1	s02		
.....ucuaaccuguaacaaauCgcucacagu.....	8	1	s02		
.....ucuaaccuguaacaaauCcucacagu.....	1	1	s02		
.....ucuaaccuguaacGauugcucacagu.....	9	1	s02		
.....ucuaaccuguaacaaGugcucacagu.....	5	1	s02		
.....ucuaaccuguaacaaauugcucGgu.....	5	1	s02		
.....ucuaaccuguaacCauugcucacagu.....	2	1	s02		
.....ucuaaccuguaUcaaauugcucacagu.....	3	1	s02		
.....ucuaaccuguaacaaauugcucGagu.....	2	1	s02		
.....ucuaaccuguaacGuugcucacagu.....	6	1	s02		
.....Gcuaccuguaacaaauugcucacagu.....	4	1	s02		
.....ucuaaccuguaacaaauugcCcagu.....	8	1	s02		
.....Ccuaccuguaacaaauugcucacagu.....	13	1	s02		
.....ucuaaccuguGacaaauugcucacagu.....	6	1	s02		
.....ucuaaccuguaacaaauugcucCaCu.....	1	1	s02		
.....ucUccuguaacaaauugcucacagu.....	1	1	s02		
.....ucuaaccCguaacaaauugcucacagu.....	7	1	s02		
.....ucuaaccuguaacaaauGgcucacagu.....	1	1	s02		
.....uUuaccuguaacaaauugcucacagu.....	1	1	s02		
.....ucuaaccuguaacaaauugcucagG.....	21	1	s02		
.....ucuaaccuguaacaaauugcCcagu.....	2	1	s02		
.....ucuaaccuguUacaaauugcucacagu.....	1269	1	s02		
.....ucuaaccugCaacaaauugcucacagu.....	3	1	s02		
.....ucuaaccuguaGcaaaugcucacagu.....	7	1	s02		
.....ucuaaccuguaacaaCugcucacagu.....	5	1	s02		
.....ucuaaccuguaacaaauugcucCaAu.....	4	1	s02		
.....ucuaaccuguaacaaauugcucagA.....	20	1	s02		
.....ucuaaccuguaacaaauUcucacagu.....	2	1	s02		
.....ucuaaccuguaacCuugcucacagu.....	1	1	s02		
.....ucuaaccuguaCcaaaugcucacagu.....	1	1	s02		
.....uGuaccuguaacaaauugcucacagu.....	1	1	s02		
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.....ucuaaccuguCacaaugcucacagu.....	5	1	s02		
.....ucAaccuguaacaaauugcucacagu.....	1	1	s02		
.....ucuaaccuguaacaaauugcuAagu.....	1	1	s02		
.....ucuaaccugAaacaaauugcucacagu.....	1	1	s02		
.....ucuaaccuguaacaaauugUucacagu.....	2	1	s02		
.....ucuaaccuguaacaaauugcucCgu.....	3	1	s02		
.....ucCaccuguaacaaauugcucacagu.....	5	1	s02		
.....ucuaaccuguaacaaauugcucagC.....	306	1	s02		
.....ucuaaccAguaacaaauugcucacagu.....	3	1	s02		
.....ucuaacAuguaacaaauugcucacagu.....	1	1	s02		
.....ucuaaccuguaacaaauugcucUgu.....	2	1	s02		
.....ucuaaccuguaacaaauugcCAcagu.....	3	1	s02		
.....ucUgccuguaacaaauugcucacagu.....	5	1	s02		
.....Acuaccuguaacaaauugcucacagu.....	8	1	s02		
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.....ucuaaccuguaacaaauAgcucacagu.....	3	1	s02		
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.....ucuaaccuguaacaaauugcucacaguC.....	5	1	s02		
.....ucuaaccugCaacaaauugcucaguu.....	1	1	s02		
.....ucuaaccuguaacaaauugcucaguu.....	23	0	s02		
.....cuaccuguUacaaauugcucacagu.....	4	1	s02		
.....cuaccuguaacaaauugcucacagu.....	9	0	s02		
.....uaccuguaacaaauugcucG.....	1	1	s02		
.....uucuaaccuguaacaaauugcuc.....	2	0	s11		
.....uucuaaccuguaacaaauugcuca.....	1	0	s11		
.....ucuaaccuguaacaaauugcucagG.....	4	1	s11		
.....ucuaaccuguaacaaCugcucacagu.....	1	1	s11		
.....ucuaaccuguaacaaauugcucagC.....	17	1	s11		
.....ucuaaccuguaacaaauugcucacagu.....	68	0	s11		
.....ucuaaccuguUacaaauugcucacagu.....	1	1	s11		
.....cuaccuguaacaaauugcucacagu.....	1	0	s11		

## Mature

ugaauaaauuguuacaaauagaaC.....	2	1	s05
.....uucuGccuguuaacaaauugc.....	4	1	s05
.....uucuGccuguuaacaaauugcu.....	9	1	s05
.....uucuGccuguuaacaaauugcuca.....	2	1	s05
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.....ucuGccuguuaacaaauugcuc.....	1	1	s05
.....ucuaccuAuaacaaauugcucagu.....	1	1	s05
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.....Ccuaccuguuaacaaauugcucagu.....	2	1	s05
.....ucuaccuguuaacaaauugcCcagu.....	1	1	s05
.....ucuaccuguuaacaaauugAucagu.....	2	1	s05
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.....ucuaccuguuaacACuugcucagu.....	1	1	s05
.....ucuaccuguuaacaaauugcucagu.....	169	0	s05
.....ucuaccuguuaacaaauugcucagA.....	3	1	s05
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.....ucuacAuguaacaaauugcucagu.....	1	1	s05
.....ucuaccuguuaacAUuugcucagu.....	1	1	s05
.....ucuaccuguCacaaauugcucagu.....	1	1	s05
.....ucuaccuguAGcaaauugcucagu.....	6	1	s05
.....ucuaccuguuaacaaauugcucagC.....	19	1	s05
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.....ucuaccugAaacaaauugcucagu.....	2	1	s05
.....ucuaccuguuaacaaauugcucaguu.....	2	0	s05
.....ucuaccuguuaacaaauugcucagAu.....	1	1	s05
.....cuaccuguuaacaaauugcucagu.....	1	0	s05
.....cuaccuguuaacaaauAcucagu.....	1	1	s05
.....uGccuguuaacaaauugcucag.....	1	1	s05
.....uucuaccuguuaacaaauugcuca.....	1	0	s18
.....ucuaccuguuaacaaauugcucagA.....	3	1	s18
.....ucuaccuguUacaaauugcucagu.....	1	1	s18
.....ucuaccuguuaacaaauugcucagC.....	4	1	s18
.....ucuaccuguuaacaaauugcucagu.....	16	0	s18
.....uucuaccuguuaacaaauugcu.....	1	0	s14
.....ucuaccuguuaacaaauugcucagC.....	2	1	s14
.....ucuaccuguuaacaaauugcucagu.....	21	0	s14
.....uucuaccuguuaacaaauugcu.....	1	0	s19
.....ucuaccuguuaacaaauugcu.....	1	0	s19
.....ucuaccugCaacaaauugcucagu.....	1	1	s19
.....ucuaccuguuaacaaauugcucGgu.....	2	1	s19
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.....ucuaccuguuaacaaauugcucaCu.....	1	1	s19
.....ucuaccuguuaacaaauugcucagA.....	1	1	s19
.....ucuaccuguuaacaaauugcucagG.....	1	1	s19
.....ucCaccuguuaacaaauugcucagu.....	1	1	s19
.....ucuaccuguuaacaaauAgcucagu.....	1	1	s19
.....ucuaccuguuaacaaauugcucagC.....	20	1	s19
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.....ucuaccuguuaacaaCugcucagu.....	2	1	s19
.....uucuaccuguuaacaaauugc.....	4	0	s13
.....uucuaccuguuaacCauugc.....	1	1	s13
.....uucuGccuguuaacaaauugc.....	1	1	s13
.....uucuGccuguuaacaaauugcu.....	3	1	s13
.....uucuaccuguuaacaaauugcu.....	6	0	s13
.....uucuaccuguuaacaaauugcC.....	2	1	s13
.....uucuGccuguuaacaaauugcuc.....	1	1	s13
.....uucuaccuguuaacaaauugcuc.....	1	0	s13
.....uucuGccuguuaacaaauugcuca.....	1	1	s13
.....ucuGccuguuaacaaauugc.....	1	1	s13
.....ucuGccuguuaacaaauugcu.....	1	1	s13
.....ucuaccuguuaacaaauugcA.....	1	1	s13
.....ucuaccuguuaacaaauugcu.....	1	0	s13
.....ucuaccuguuaacaaauugcC.....	1	1	s13

## Star

## Mature

aacaanaugcacauucacuggagcuaauuauacauguaaaauugaauuauuucuaaccuguaaacaauugcucaguuacacauguacacaaggg

.....ucugccuguaaacaauugcuc.....	1	1	s13
.....ucugccuguaaacaauugcuc.....	1	1	s13
.....ucuaaccuguaaacaauugcuc.....	1	0	s13
.....ucuaaccuguaaacaauugcuc.....	1	1	s13
.....ucuaaccuguaaacaauugcuc.....	1	1	s13
.....ucuaaccuguaaacaauugcuc.....	80	0	s13
.....ucuaaccuguaaacaauugcuc.....	2	1	s13
.....ucuaaccuguaaacaauugcuc.....	9	1	s13
.....ucuaaccuguaaacaauugcuc.....	1	1	s13
.....ucuaaccuguaaacaauugcuc.....	1	1	s13
.....ucuaaccuguaaacaauugcuc.....	1	0	s12
.....ucuaaccuguaaacaauugcuc.....	1	1	s12
.....ucuaaccuguaaacaauugcuc.....	2	1	s12
.....ucuaaccuguaaacaauugcuc.....	291	1	s12
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.....ucuaaccuguaaacaauugcuc.....	1	1	s12
.....ucuaaccuguaaacaauugcuc.....	1	1	s12
.....ucuaaccuguaaacaauugcuc.....	95	1	s12
.....ucuaaccuguaaacaauugcuc.....	1	1	s12
.....ucuaaccuguaaacaauugcuc.....	2	1	s12
.....ucuaaccuguaaacaauugcuc.....	2	1	s12
.....ucuaaccuguaaacaauugcuc.....	4	1	s12
.....ucuaaccuguaaacaauugcuc.....	3	1	s12
.....ucuaaccuguaaacaauugcuc.....	1	1	s12
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.....ucuaaccuguaaacaauugcuc.....	477	0	s12
.....ucuaaccuguaaacaauugcuc.....	1	1	s12
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.....ucuaaccuguaaacaauugcuc.....	4	1	s12
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.....ucuaaccuguaaacaauugcuc.....	3	1	s12
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.....ucuaaccuguaaacaauugcuc.....	14	1	s17
.....ucuaaccuguaaacaauugcuc.....	1	1	s17
.....ucuaaccuguaaacaauugcuc.....	1	1	s17
.....ucuaaccuguaaacaauugcuc.....	2	1	s17
.....ucuaaccuguaaacaauugcuc.....	121	0	s17
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.....ucuaaccuguaaacaauugcuc.....	1	1	s17
.....ucuaaccuguaaacaauugcuc.....	1	1	s17
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.....ucuaaccuguaaacaauugcuc.....	1	0	s17
.....ucuaaccuguaaacaauugcuc.....	1	0	s17
.....ucuaaccuguaaacaauugcuc.....	14	1	s01

## Star

## Mature

aacaauugcacauucacuggagcuaauuauacauguaaaauugaauuauuucuaaccuguaaacaauugcucaguuacacauuacaacaagg

.....ucuaaccuguaaacaauugcucagC.....	3	1	s01
.....ucuaaccuguaaacaauugcucagu.....	7	0	s01
.....cuaccuguUacaauugcucagu.....	1	1	s01
.....uucuaaccuguaaacaauugcucU.....	1	1	s10
.....uucuaaccuguaaacaauugcucU.....	3	0	s10
.....ucuaaccuguaaacaauugcuc.....	3	0	s10
.....ucuaaccuguaaacaauugcucag.....	3	0	s10
.....ucuaaccuguaaacaauAgcucagu.....	1	1	s10
.....ucuaaccuguaaacaCugcucagu.....	1	1	s10
.....Gcuaccuguaaacaauugcucagu.....	2	1	s10
.....ucuaaccugCaacaauugcucagu.....	1	1	s10
.....ucuaaccuguaacGauugcucagu.....	3	1	s10
.....Acuaaccuguaaacaauugcucagu.....	1	1	s10
.....ucGaccuguaaacaauugcucagu.....	1	1	s10
.....ucuaaccGguaaacaauugcucagu.....	3	1	s10
.....ucuaaccuguaaacaauuAcucagu.....	1	1	s10
.....ucuaaccuguaaacaauugcucagG.....	7	1	s10
.....ucuaaccuguaaacaauugcucagC.....	51	1	s10
.....ucuaaccuguaacUauugcucagu.....	1	1	s10
.....ucuaaccuguaaacaauugcucagu.....	332	0	s10
.....ucuaaccuguaaacaauugcucGgu.....	4	1	s10
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.....ucuaaccuguaaacaauGgcucagu.....	3	1	s10
.....ucuaaccuguaaUaaugcucagu.....	1	1	s10
.....ucuaaccuguaaacaauuCcucagu.....	1	1	s10
.....ucuaaccuguaaacaauCgcucagu.....	2	1	s10
.....ucuaaccuguaaacaauugcucCu.....	1	1	s10
.....ucuaaccuguaaacaauugcucagA.....	5	1	s10
.....ucCaccuguaaacaauugcucagu.....	2	1	s10
.....ucuaaccuguUacaauugcucagu.....	1	1	s10
.....ucuaaccuguaaacaauugcucaguu.....	1	0	s10
.....ucuaaccuguaaacaauugcucagA.....	1	1	s10
.....ucuaaccuguaaacaauugcucagUC.....	3	1	s10
.....cuaccuguaaacaauugcucagu.....	4	0	s10
.....aauaaauuguuacaauagaauuguauu.....	1	0	s16
.....uucuaaccuguaaacaauugcC.....	3	1	s16
.....uucuaaccuguaaacaauugcU.....	2	1	s16
.....ucuaGcuguaaacaauugcucagu.....	1	1	s16
.....ucuaaccuguaaacaauugcucagG.....	3	1	s16
.....ucuaaccuguaaacaauuCcucagu.....	1	1	s16
.....ucuaaccuguaaacaauugcucagu.....	41	0	s16
.....ucuaaccGguaaacaauugcucagu.....	1	1	s16
.....ucuaaccuguaaacaauugcucagC.....	12	1	s16
.....ucuaaccuguaaacaauugcucagA.....	1	1	s16
.....ucCaccuguaaacaauugcucaguu.....	1	1	s16
.....cuaccuguaaacaauugcucagu.....	2	0	s16
.....ucuaaccuguUacaauugcucagu.....	1	1	s04
.....ucuaaccuguaaacaauugcucagu.....	3	0	s04
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.....ucuaaccuguaaacaauugcucagu.....	53	0	s08
.....ucuaaccuguaaacaauugcucagC.....	15	1	s08
.....ucAaccuguaaacaauugcucagu.....	1	1	s08
.....ucuaaccuguaaacaauugcucagG.....	1	1	s08
.....Ccuaccuguaaacaauugcucagu.....	1	1	s08
.....ucuaaccuguaaacaauugcucagA.....	1	1	s08
.....cuaccuguaaacaauugcucagu.....	1	0	s08
.....ucuaaccuguaaacaauugcC.....	2	1	s07
.....ucuaaccuguaaacaauugcuc.....	5	0	s07
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.....ucuaaccuguaaacaauugcucag.....	2	0	s07
.....ucuaaccugCaacaauugcucagu.....	3	1	s07
.....ucuaaccGguaaacaauugcucagu.....	2	1	s07

## Star

## Mature

aaca aaaugcacauucacuggagcuauuauacaugu aaaaugaauaa uuguuacaaauagaau guauuuauucuaaccuguaa caaaugcucaguu cacauguacaacaaaggg

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.....ucuaaccGguaacaaauugcucagau.....	1	1	s07
.....ucuaaccuguaaacaCuugcucagau.....	3	1	s07
.....ucuaacGguuaacaaauugcucagau.....	1	1	s07
.....ucuaaccuguaaacaGuugcucagau.....	2	1	s07
.....ucuaaccuguaacGauugcucagau.....	3	1	s07
.....ucuaaccuguaacaaauugcAacagau.....	1	1	s07
.....ucuaaccuguaaUaaauugcucagau.....	1	1	s07
.....ucuaaccuguaacaaauugcucCgu.....	1	1	s07
.....Acuaccuguaacaaauugcucagau.....	4	1	s07
.....ucuaaccuguaacaaauugcucagC.....	138	1	s07
.....ucuaaccuguaCacaaauugcucagau.....	1	1	s07
.....Gcuaccuguaacaaauugcucagau.....	3	1	s07
.....ucuaaccuguaacaaauugcCcagau.....	1	1	s07
.....ucuaaccuguaacaaauugcucGgu.....	5	1	s07
.....ucuaaccuguaGacaaauugcucagau.....	3	1	s07
.....ucuaaccuguaacaaauugcucagG.....	18	1	s07
.....ucCaccuguaacaaauugcucagau.....	2	1	s07
.....ucuaaccuguaacaaauugUucagau.....	1	1	s07
.....Ccuaccuguaacaaauugcucagau.....	4	1	s07
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.....ucuaaccuguaacaaauAgcucagau.....	5	1	s07
.....ucuaaccuguaGcaauugcucagau.....	4	1	s07
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## Star

## Mature

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