Provisional ID : NMRB01000014.1\_Notospermus\_geniculatus\_strain\_Ushimado\_scaffold14,\_whole\_genome\_shotgun\_sequence\_617

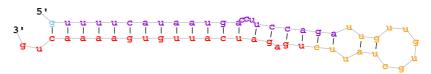
977762.4 Score total Score for star read(s) 3.9 977755.5 Score for read counts Score for mfe 0 Score for randfold 0 Score for cons. seed 3 1917837 Total read count 1917797 Mature read count

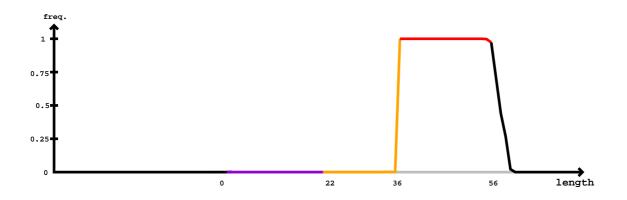
0

40

Loop read count

Star read count





Star

5'- uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuc <mark>ugagaucauugugaaaacug</mark> auuccguugccccaauc	-3'	obs	
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguuguugcuauucugagaucauugugaaaacugauuccguugcccccaauc		exp	
.((((((((((((())))((((((((	reads	mm	sample
cugguuuucauaaugaccuuccag	2	0	Mm3
cugguuuucauaaugaccuuccaga	3	0	Mm3
uuuucauaaugaccuuAcaga	1	1	Mm3
uuuucauaaugaccuuccaga	1	0	Mm3
uuguugugcuauucugagaucauugug	1	0	Mm3
uucugagaucauugugaaaacG	1	1	Mm3
uucugagaucauugugaaaacu	63	0	Mm3
uucugagaucGuugugaaaacu	1	1	Mm3
uucugagaucauugugaaaacuU	1	1	Mm3
ucugagaucauugugaaaacug	1	0	Mm3
	1	0	Mm3
ugagaucauugugaaaaU	6	1	Mm3
ugagaucauugugaaaaG	12	1	Mm3
ugagaucauugugaaaac	51	0	Mm3
ugagaucauugugaaaaA	25	1	Mm3
ugagaucauugugaaaUcu	5	1	Mm3
	1	1	Mm3
ugGgaucauugugaaaacu	1	1	Mm3
ugagaucGuugugaaaacu	4	1	Mm3
ugagaucauugugaaaaAu	16	1	Mm3
ugagaucauugugaaaacA	1	1	Mm3
ugagaucauuCugaaaacu	1	1	Mm3
ugagaucauugugaaaaDu	7	1	Mm3
	1	1	Mm3
ugagaucauugugaaaGcu	1	1	Mm3
	2	1	Mm3
ugagaucauugugGaaacu	2	1	Mm3
ugagGucauugugaaaacu	1	1	Mm3
ugagaucauugugaaaCcu.	3	1	Mm3
ugagaucauugugaaaacG	2	1	Mm3
ugagaucauugugaaGacu	3	1	Mm3
ugagaucauugugaaaaGu	5	1	Mm3

Mature

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauucu	ugagaucauugugaaaacugauuccguugcccccaauc			
u	igagaucauugugaaaacu	1295	0	Mm3
u		14	1	Mm3
A	Agagaucauugugaaaacug	2	1	Mm3
u	ıgaAaucauugugaaaacug	1	1	Mm3
u	ngagaucauugAgaaaacug	2	1	Mm3
u	ıgagaucauugugaaaacuU	23	1	Mm3
	ıNagaucauugugaaaacug	1	1	Mm3
u	ıgagaucauuAugaaaacug	16	1	Mm3
u	ngagaucauugugaaaacGg	20	1	Mm3
u	igagaucauugugaaaacug	9259	0	Mm3
u	ıgUgaucauugugaaaacug	1	1	Mm3
	ıgagaGcauugugaaaacug	1	1	Mm3
	gagaucauugugaaaacug	2	1	Mm3
u	ıgagaucauugugaaaaAug	76	1	Mm3
u	ıgagaucauugugaaaacuC	1	1	Mm3
u	ngagaucauugugaaaacuA	52	1	Mm3
u	ıCagaucauugugaaaacug	1	1	Mm3
	gagaucauugugGaaacug	1	1	Mm3
c	gagaucauugugaaaacug	7	1	Mm3
u	ıAagaucauugugaaaacug	7	1	Mm3
u	ngagaucauCgugaaaacug	3	1	Mm3
u	ıgagUucauugugaaaacug	1	1	Mm3
	gagaucauugugaaaUcug	12	1	Mm3
	Igagaucauugugaaaacug	5	1	Mm3
u	ıgagaucauugugaaaacAg	1	1	Mm3
u	ıgagaucauugugaaaCcug	19	1	Mm3
u	ngagaucauugugUaaacug	2	1	Mm3
	ıgagaucauugugaaaaUug	58	1	Mm3
		14	1	Mm3
	ıgagaucauuCugaaaacug			
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u	ıgagaAcauugugaaaacug	2	1	Mm3
u	ngagaucauugugaaUacug	2	1	Mm3
u	ıgGgaucauugugaaaacug	3	1	Mm3
	gagCucauugugaaaacug	5	1	Mm3
	ıgagauGauugugaaaacug	1	1	Mm3
u	ıgagauUauugugaaaacug	1	1	Mm3
u	ngagaucauugugaaaaGug	36	1	Mm3
u	ngagaucauugugaUaacug	2	1	Mm3
u	ıgagaucGuugugaaaacug	4	1	Mm3
	ıgagaucauugugaaGacug	4	1	Mm3
	ıgagaucauuguAaaaacug	2	1	Mm3
u	ıgagaucauugugaaaGcug	15	1	Mm3
u	ıgCgaucauugugaaaacug	1	1	Mm3
u	ıUagaucauugugaaaacug	1	1	Mm3
u	ıqaqaucaAuquqaaaacuq	1	1	Mm3
		282	1	Mm3
u				
u	ıgagaucauugugaaaaUuga	87	1	Mm3
u	ngagaucauugugaaUacuga	1	1	Mm3
u	ıgagaucauuAugaaaacuga	24	1	Mm3
u	ıgagaucauCgugaaaacuga	2	1	Mm3
u	ngagaucauugugaaaCcuga	22	1	Mm3
u		1	1	Mm3
u	ıgagaucauuguAaaaacuga	3	1	Mm3
u	ıgagauUauugugaaaacuga	5	1	Mm3
u	ngagCucauugugaaaacuga	3	1	Mm3
u	ıgagaucUuugugaaaacuga	9	1	Mm3
u		2	1	Mm3
u		3	1	Mm3
u	ngagaucauugugaaaacuga	15493	0	Mm3
u	ngagaucauugugaUaacuga	1	1	Mm3
u	ngagaucauugugaaaaAuga	121	1	Mm3
u		28	1	Mm3
u		2	1	Mm3
u		8	1	Mm3
u	ıVagaucauugugaaaacuga	2	1	Mm3
u	ıgagaucauugugaGaacuga	3	1	Mm3
c	Cgagaucauugugaaaacuga	5	1	Mm3
u		14	1	Mm3
u		5	1	Mm3
		13	1	Mm3
u	ayayaucauuuuyaadacuga	13	_	run 3

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuc	cugagaucauugugaaaacugauuccguugcccccaauc			
	ligagalicallilgiigaaGaciiga	6	1	Mm3
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	ugagaucauugugaaaacuAa	1	1	Mm3
	.ugagaucauugugaaaacuCa	2	1	Mm3
		3	1	Mm3
	.ugUgaucauugugaaaacuga			
	ugagaucauugugUaaacuga	1	1	Mm3
	Ngagaucauugugaaaacuga	5	1	Mm3
	.ugagaNcauugugaaaacuga	1	1	Mm3
•••••	.ugagaucauugugaaaacugG	217	1	Mm3
	.uAagaucauugugaaaacuga	5	1	Mm3
	ugagaucaCugugaaaacuga	2	1	Mm3
		65	1	
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	ugGgaucauugugaaaacuga	2	1	Mm3
	ugagaAcauugugaaaacuga	1	1	Mm3
	.ugNgaucauugugaaaacuga	1	1	Mm3
•••••	.ugagaucauugugaaaacuUa	2	1	Mm3
	ugagaucauuguCaaaacuga	3	1	Mm3
	.ugagaucauAgugaaaacuga	2	1	Mm3
••••••	.ugagaucauugugaaaGcuga	18	1	Mm3
	ugaUaucauugugaaaacuga	1	1	Mm3
	ugagGucauugugaaaacuga	1	1	Mm3
		9	1	Mm3
••••••	.ugagaucauugugaaaacugUu			
	ugagauUauugugaaaacugau	5	1	Mm3
	ugagaucauugugaGaacugau	4	1	Mm3
	.ugagaucauugugaaCacugau	1	1	Mm3
•••••	.ugagaucauugugaaaacAgau	1	1	Mm3
	ugagaucauugCgaaaacugau	1	1	Mm3
	ugagaNcauugugaaaacugau	1	1	Mm3
••••••	.ugagaucGuugugaaaacugau	5	1	Mm3
•••••	.ugagaucauAgugaaaacugau	2	1	Mm3
	ugagaucauugugaaaacugaG	1	1	Mm3
	.ugagaucauugugaaaacuCau	2	1	Mm3
•••••	.ugagaucauuAugaaaacugau	27	1	Mm3
	.Agagaucauugugaaaacugau	2	1	Mm3
	ugagaucUuugugaaaacugau	3	1	Mm3
		1	1	Mm3
	.ugagaucauugugUaaacugau			
•••••	.ugagaucauugugCaaacugau	3	1	Mm3
	.ugCgaucauugugaaaacugau	2	1	Mm3
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	ugagaucauugugaaaacugGu	3	1	Mm3
	ugGgaucauugugaaaacugau	4	1	Mm3
		1	1	Mm3
•••••		6	1	Mm3
	ugagaucauugugGaaacugau	2	1	Mm3
	ugagaucauuguAaaaacugau	1	1	Mm3
		1	1	Mm 2
		1	1	Mm3
	ugagaucauugugaaaCcugau	22	1	Mm3
	ugagaucauugugaaaacugCu	2	1	Mm3
		24	1	Mm3
••••••	.ugagaucauggugaaaacugau	1	1	Mm3
	ugagaucaGugugaaaacugau	1	1	Mm3
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	ugagaucauuguCaaaacugau	1	1	Mm3
	ugagaucauugugaaGacugau	2	1	Mm3
		2	1	Mm3
••••••		1	1	Mm3
	ugagaucauugugaaaacuUau	3	1	Mm3

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauu	cugagaucauugugaaaacugauuccguugcccccaauc			
	וותפתפוותפווותוותפפפפת	3	1	Mm3
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	.ugaAaucauugugaaaacugau	1	1	Mm3
	.Cgagaucauugugaaaacugau	11	1	Mm3
	.ugagaucauuUugaaaacugau	12	1	Mm3
•••••	.ugagaucauugugaaaUcugau	35	1	Mm3
	.Ggagaucauugugaaaacugauu	2	1	Mm3
	.ugagaucauugugaaaacCgauu	4	1	Mm3
		5	1	Mm3
	.Cgagaucauugugaaaacugauu			
	.ugagaucauugugaGaacugauu	2	1	Mm3
	.ugagaucauuAugaaaacugauu	40	1	Mm3
	.ugagaucauuguUaaaacugauu	2	1	Mm3
••••••	.ugGgaucauugugaaaacugauu	10	1	Mm3
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	.ugagUucauugugaaaacugauu	2	1	Mm3
	.ugagaucCuugugaaaacugauu	2	1	Mm3
••••••	.ugagGucauugugaaaacugauu	4	1	Mm3
•••••	.ugCgaucauugugaaaacugauu	2	1	Mm3
	.Ngagaucauugugaaaacugauu	9	1	Mm3
	.ugagaucauugugaaaacuAauu	1	1	Mm3
	.ugagaucauugugaaaaGugauu	84	1	Mm3
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	.ugagaucauuguAaaaacugauu	3	1	Mm3
	.ugagaucauugugaaGacugauu	5	1	Mm3
		11	1	
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	.ugagaucauuUugaaaacugauu	16	1	Mm3
	.ugagaucauugugGaaacugauu	3	1	Mm3
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	.ugaAaucauugugaaaacugauu	1	1	Mm3
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	.ugagaucauugGgaaaacugauu	1	1	Mm3
	.ugagaucauugCgaaaacugauu	5	1	Mm3
	.ugagauNauugugaaaacugauu	2	1	Mm3
		2	1	Mm3
	.Agagaucauugugaaaacugauu			
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	.ugagaucauugugUaaacugauu	4	1	Mm3
		29	1	Mm3
		6	1	Mm3
	.ugagaucaGugugaaaacugauu	1	1	Mm3
	.ugagaucauugugaaaacuUauu	2	1	Mm3
	.ugagaucauAgugaaaacugauu	1	1	Mm3
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	.ugagaucauugugaaaacugUuu	4	1	Mm3
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	.ugagaucaCugugaaaacugauu	4	1	Mm3
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	.ugagaucauugugaaaacugauG	12	1	Mm3
	.ugagaucauugugaaaUcugauu	43	1	Mm3
	.ugagaucauuguCaaaacugauu	1	1	Mm3
		5	1	Mm3
	.ugagauUauugugaaaacugauu	6	1	Mm3
	.ugagaNcauugugaaaacugauu	4	1	Mm3
	.ugagaucauugugaaUacugauu	2	1	Mm3
		1	1	Mm3
		62	1	
				Mm3
	.ugagaucauugugaaaacugauuU	1815	1	Mm3
	.ugagaucauugugaaaaAugauuc	1	1	Mm3
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Star Mature			
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.ugagaucauugugaaaacugauuG	1	1	Mm3
gagaucauugugaaaacugagaucauugugaaaacu		0	Mm3
gagaucauugugaaaacug	8	0	Mm3
gagaucauugCgaaaacuga	1	1	Mm3
gagaucauugugaaaacuga	1	0	Mm3
	1	0	Mm3
gagaucauugugaaaacugauu		0	Mm3
gagaAcauugugaaaacugauu.	1	1	Mm3
cugguuuucauaaugaccuuccaga	2	0	Fm3
	1	1	Fm3
	3	0	Fm3
		0	
auucugagaucauugugaaaac.	1		Fm3
uucugagaucauugugaaa.	10	0	Fm3
uucugagaucauugugaaaac	2	0	Fm3
Aucugagaucauugugaaaacu	1	1	Fm3
.uucugagaucauugugaaaGcu.	1	1	Fm3
ucugagaucauugugUaaacu		1	Fm3
uAcugagaucauugugaaaacu.	1	1	Fm3
uucugagaucauuAugaaaacu	1	1	Fm3
uucugagaucauugugaGaacu	1	1	Fm3
uucugagaucauugugCaaacu	1	1	Fm3
uucugagaucauugugaaaacu	22	26 0	Fm3
.uucugagaucauugugaaaacuC		1	Fm3
uucugagaucauugugaaaacug	3	0	Fm3
uucugagaucauugugaaaacuA	1	1	Fm3
ucugagaucauugugaaaacu	7	0	Fm3
ucugagaucauugugaaaacug.	4	0	Fm3
		0	Fm3
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.cugagaucauugugaaaacugau	2	0	Fm3
cugagaucauugugaaaacugauu	2	0	Fm3
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ugagaNcauugugaaaac	1	1	Fm3
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ugagCucauugugaaaac	1	1	Fm3
Cgagaucauugugaaaac	1	1	Fm3
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ugagauUauugugaaaac	1	1	Fm3
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uUagaucauugugaaaac	1	1	Fm3
ugUgaucauugugaaaac	1	1	Fm3
. Ngagaucauugugaaaac	1	1	Fm3
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ugagauGauugugaaaacu	1	1	Fm3
ugagaCcauugugaaaacu	1	1	Fm3
ugUgaucauugugaaaacu	2	1	Fm3
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ugGgaucauugugaaaacu	6	1	Fm3
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ugagaucauCgugaaaacu	4	1	Fm3
.ugCgaucauugugaaaacu.		1	Fm3
ugagaucauugugaaaUcu			Fm3
Ngagaucauugugaaaacu			Fm3
ugaCaucauugugaaaacu	1	1	Fm3
.ugagaucauugugUaaacu	1	1	Fm3
.ugagaucauugCgaaaacu	12	1	Fm3
.ugagaucauuCugaaaacu.		2 1	Fm3
ugaUaucauugugaaaacu		1	Fm3
ugagaucauugugaGaacu.	4	1	Fm3

bcar	Macure			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuc	ugagaucauugugaaaacugauuccguugcccccaauc			
	Cgagaucauugugaaaacu	2	1	Fm3
	ugagaAcauugugaaaacu	6	1	Fm3
	ugagaucauugugaaaaUu	168	1	Fm3
	ugagCucauugugaaaacu	5	1	Fm3
	ugagauNauugugaaaacu	2	1	Fm3
	ugagaucauugugaaGacu	2	1	Fm3
	uUagaucauugugaaaacu	10	1	Fm3
	uNagaucauugugaaaacu	2	1	Fm3
	ugagGucauugugaaaacu	2	1	Fm3
	Agagaucauugugaaaacu	2	1	Fm3
	ugagaucauugugaaUacu	1	1	Fm3
	ugagaucUuugugaaaacu	5	1	Fm3
	ugagaNcauugugaaaacu	1	1	Fm3
	ugagaucauuguAaaaacu	2	1	Fm3
		2	1	Fm3
	uCagaucauugugaaaacu			
	ugagaucauuguCaaaacu	1	1	Fm3
	ugagaucauugugaaaGcu	31	1	Fm3
	ugagaucauugugaaaaGu	108	1	Fm3
	ugagauUauugugaaaacu	8	1	Fm3
		9	1	Fm3
	ugagaucGuugugaaaacu			
	ugagaucauugugaaaacG	32	1	Fm3
	uAagaucauugugaaaacu	8	1	Fm3
	ugagaucauugAgaaaacu	1	1	Fm3
	ugagauAauugugaaaacu	2	1	Fm3
	ugagaucauuguUaaaacu	1	1	Fm3
	ugagaucauugugaaaacu	20479	0	Fm3
	ugNgaucauugugaaaacu	2	1	Fm3
	ugagaucauuUugaaaacu	27	1	Fm3
	ugagaucauugugaaaaAu	288	1	Fm3
	ugagUucauugugaaaacu	5	1	Fm3
			1	
	ugaAaucauugugaaaacu	4		Fm3
	ugaAaucauugugaaaacug	36	1	Fm3
	ugagaucauugugaaUacug	5	1	Fm3
	ugagaNcauugugaaaacug	27	1	Fm3
	ugagaucauugugaaaacuC	9	1	Fm3
		8	1	Fm3
	ugagaucauAgugaaaacug			
	ugagaucauugugaUaacug	19	1	Fm3
	ugagaucauuCugaaaacug	146	1	Fm3
	ugagaucauugugaaGacug	19	1	Fm3
	uCagaucauugugaaaacug	20	1	Fm3
	Cgagaucauugugaaaacug	20	1	Fm3
	ugagaucauugugaaaaUug	673	1	Fm3
	ugagaucauugCgaaaacug	26	1	Fm3
	ugagaucauugugaaaCcug	221	1	Fm3
	ugagUucauugugaaaacug	14	1	Fm3
	ngaganganngAgaaaacng	12	1	Fm3
		20	1	Fm3
	ugagaGcauugugaaaacug	15	1	Fm3
	uAagaucauugugaaaacug	43	1	Fm3
	ugagCucauugugaaaacug	25	1	Fm3
	ugaCaucauugugaaaacug	10	1	Fm3
		13	1	Fm3
		18	1	Fm3
	ugCgaucauugugaaaacug	15	1	Fm3
	ugagaCcauugugaaaacug	23	1	Fm3
	ugagaucaAugugaaaacug	6	1	Fm3
	ugagaucauuUugaaaacug	92	1	Fm3
		20	1	Fm3
	ugGgaucauugugaaaacug	56	1	Fm3
	ugagaucauugugaaaacuA	550	1	Fm3
	ugagaucauugugaaaaAug	1192	1	Fm3
	ugagaucauCgugaaaacug	11	1	Fm3
		142469	0	Fm3
		181	1	Fm3
	ugagaucauugugaaCacug	3	1	Fm3
	ugagaucauugugaaaaGug	630	1	Fm3
	Ngagaucauugugaaaacug	66	1	Fm3
	ugagauGauugugaaaacug	7	1	Fm3
		4	1	Fm3
	uyayaucauugugaaaaCAg	4	1	Fm3

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauu	cugagaucauugugaaaacugauuccguugcccccaauc			
	ugagaugauugugaGaagug	23	1	Fm3
•••••	.ugagaucauugugaCaacug	1	1	Fm3
	.ugagaucaGugugaaaacug	9	1	Fm3
	.Ggagaucauugugaaaacug	4	1	Fm3
	.ugagaucauGgugaaaacug	8	1	Fm3
•••••	.ugagaucUuugugaaaacug	23	1	Fm3
	.uUagaucauugugaaaacug	42	1	Fm3
	.ugNgaucauugugaaaacug	1	1	Fm3
		13	1	Fm3
	.ugaUaucauugugaaaacug			
•••••	.ugagaucauugugaaaUcug	270	1	Fm3
	.ugagaucauugugUaaacug	33	1	Fm3
	.ugUgaucauugugaaaacug	24	1	Fm3
	.ugagaucauugGgaaaacug	5	1	Fm3
•••••	.ugagGucauugugaaaacug	43	1	Fm3
	.ugagauUauugugaaaacug	58	1	Fm3
	.uNagaucauugugaaaacug	4	1	Fm3
•••••	.ugagauAauugugaaaacug	8	1	Fm3
•••••	.ugagaucauugugaaaacGg	4	1	Fm3
	.ugagaucGuugugaaaacug	22	1	Fm3
	.ugagaucauuguCaaaacug	6	1	Fm3
		9	1	Fm3
	.ugagaAcauugugaaaacug			
•••••	.ugagaucauugugaaaacCg	27	1	Fm3
	.ugagaucauugugaaaacuU	124	1	Fm3
	.Agagaucauugugaaaacug	13	1	Fm3
			1	
	.ugagaucauugugCaaacug	7		Fm3
	.ugagaucauuAugaaaacug	276	1	Fm3
	.uUagaucauugugaaaacuga	34	1	Fm3
	.uCagaucauugugaaaacuga	16	1	Fm3
•••••	.ugagaucauugugaaaCcuga	166	1	Fm3
	.ugagauUauugugaaaacuga	32	1	Fm3
	.ugagaucauuguAaaaacuga	8	1	Fm3
	.ugaUaucauugugaaaacuga	14	1	Fm3
		7	1	Fm3
•••••	.ugagaucaCugugaaaacuga			
•••••	.ugagaucUuugugaaaacuga	12	1	Fm3
	.ugagaucauugugaaaacuga	99043	0	Fm3
	.ugagUucauugugaaaacuga	15	1	Fm3
		10	1	Fm3
	.ugagaucauCgugaaaacuga			
•••••	.uAagaucauugugaaaacuga	58	1	Fm3
	.ugagaCcauugugaaaacuga	8	1	Fm3
	.ugagaucauugugGaaacuga	16	1	Fm3
	.ugagaucauuCugaaaacuga	101	1	Fm3
•••••	.ugagaucaGugugaaaacuga	7	1	Fm3
	.ugagaucauugugaaaacuUa	15	1	Fm3
	.ugaCaucauugugaaaacuga	5	1	Fm3
		10	1	Fm3
	.ugagaucCuugugaaaacuga	1	1	Fm3
	.ugagaucauugugaaUacuga	8	1	Fm3
	.ugagaucauugugaaaaAuga	798	1	Fm3
		14	1	Fm3
	• • • •	5	1	Fm3
	.ugagauGauugugaaaacuga	7	1	Fm3
	.ugagaucauugugaaaacugU	1359	1	Fm3
		2	1	Fm3
•••••	.ugGgaucauugugaaaacuga	45	1	Fm3
	.ugagaNcauugugaaaacuga	14	1	Fm3
	.ugagaucauugugCaaacuga	5	1	Fm3
	.ugagaucauugugaaaacGga	5	1	Fm3
		3	1	Fm3
	.ugagaucauugAgaaaacuga	13	1	Fm3
	.Ggagaucauugugaaaacuga	2	1	Fm3
	.ugagaucauuguUaaaacuga	15	1	Fm3
		13	1	Fm3
	.ugagaucauuAugaaaacuga	192	1	Fm3
	.ugagaucauugugaaGacuga	13	1	Fm3
	.ugagGucauugugaaaacuga	21	1	Fm3
		2	1	Fm3
•••••		14	1	Fm3
	.Agagaucauugugaaaacuga	5	1	Fm3
	.ugagaucauuUugaaaacuga	71	1	Fm3
	.ugagaucauugugaaaacAga	4	1	Fm3

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauu	cugagaucauugugaaaacugauuccguugcccccaauc			
	.ugagaGcauugugaaaacuga	5	1	Fm3
•••••	.cgagaucauugugaaaacuga	14	1	Fm3
	.ugagaucauugugaaaacugG	10	1	Fm3
	.ugagaucauugugaaaaUuga	500	1	Fm3
	.ugaAaucauugugaaaacuga	16	1	Fm3
•••••	.Ngagaucauugugaaaacuga	40	1	Fm3
	.ugagaucauugugaaaaGuga	459	1	Fm3
	.ugagaucauugugaaCacuga	1	1	Fm3
	.ugagaucauugugaaaGcuga	116	1	Fm3
•••••	.ugagaucauAgugaaaacuga	6	1	Fm3
	.ugagaucauugugaaaUcuga	177	1	Fm3
	.ugagaucauugugaaaacuAa	11	1	Fm3
	.ugagaucauugugaaaacCga	13	1	Fm3
•••••	.ugagCucauugugaaaacuga	21	1	Fm3
	.ugagaucauugugaUaacuga	6	1	Fm3
	.ugagaucaAugugaaaacuga	1	1	Fm3
	.ugagaucauugugaGaacuga	17	1	Fm3
•••••	.ugagaucGuugugaaaacuga	26	1	Fm3
	.ugagaucauugugaCaacuga	4	1	Fm3
	.ugagaucauuguCaaaacuga	16	1	Fm3
	.ugagaucauugugUaaacuga	16	1	Fm3
			1	
••••••	.ugagaucauGgugaaaacuga	9		Fm3
•••••	.ugagaucauugugaaaacuCa	5	1	Fm3
	.ugagaucauugugaGaacugau	13	1	Fm3
	.ugagaucauugugaaaacuCau	3	1	Fm3
•••••	.ugagaucauugugaaaacuAau	6	1	Fm3
	.ugagaucauugAgaaaacugau	7	1	Fm3
	.ugagaucauugugaaUacugau	4	1	Fm3
	.ugagaucauugugaaaacuUau	11	1	Fm3
			1	
••••••	.ugagaucauugugaaaacugUu	15		Fm3
•••••	.ugagaucauugugaaaacugaG	1	1	Fm3
	.ugagUucauugugaaaacugau	11	1	Fm3
	.ugagaucaGugugaaaacugau	3	1	Fm3
		5	1	Fm3
	.ugagaucauugugaaaacugGu			
•••••	.uUagaucauugugaaaacugau	21	1	Fm3
	.ugagaucauugugaaaUcugau	125	1	Fm3
	.ugagaucauugugaaaacugaA	714	1	Fm3
	.ugagauAauugugaaaacugau	1	1	Fm3
•••••	.ugagaucauuAugaaaacugau	117	1	Fm3
	.ugagaucauugugaaaGcugau	75	1	Fm3
	.ugagaucauugugaaaaAugau	510	1	Fm3
	.ugaUaucauugugaaaacugau	7	1	Fm3
	.ugagaucauugugaaCacugau	2	1	Fm3
	.ugagaucauugugUaaacugau	10	1	Fm3
	.ugagaucauugugaaaaGugau	244	1	Fm3
	.ugagaucauugugCaaacugau	5	1	Fm3
		31	1	Fm3
••••••	.ugagaucauugugGaaacugau	10	1	Fm3
	.ugGgaucauugugaaaacugau	22	1	Fm3
	.ugaAaucauugugaaaacugau	10	1	Fm3
		5	1	Fm3
		7	1	
				Fm3
	.ugagaucauugugaaaacugaC	6	1	Fm3
	.uNagaucauugugaaaacugau	3	1	Fm3
	.ugagaucauugugaaaacugau	58032	0	Fm3
		3	1	Fm3
•••••				
	.ugagaucauuCugaaaacugau	69	1	Fm3
	.ugagaucUuugugaaaacugau	9	1	Fm3
		7	1	Fm3
		7	1	Fm3
•••••		4	1	Fm3
	.ugUgaucauugugaaaacugau	12	1	Fm3
	.ugagaucauugugaaaacCgau	5	1	Fm3
		6	1	Fm3
		4	1	Fm3
	.ugaCaucauugugaaaacugau	6	1	Fm3
	.ugagaucauugugaCaacugau	1	1	Fm3
	.ugagaucauugugaaaaUugau	280	1	Fm3
		4	1	Fm3
	.uyayaucauuouyadaacugau	43	1	Fm3

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauu	cugagaucauugugaaaacugauuccguugcccccaauc			
	.ugagaucGuugugaaaacugau	18	1	Fm3
•••••	.ucagaucauugugaaaacugau	3	1	Fm3
	.uAagaucauugugaaaacugau	25	1	Fm3
	.ugagaucauugugaaaCcugau	85	1	Fm3
	.ugagauUauugugaaaacugau	29	1	Fm3
•••••	.ugagaucauugugaaaacugCu	1	1	Fm3
	.ugagaCcauugugaaaacugau	3	1	Fm3
	.Ggagaucauugugaaaacugau	1	1	Fm3
	.ugagGucauugugaaaacugau	8	1	Fm3
•••••	.ugagaucCuugugaaaacugau	1	1	Fm3
	.ugagaucauugugaaaacGgau	2	1	Fm3
	.ugagaucaCugugaaaacugau	7	1	Fm3
	.ugagaucauuguUaaaacugau	9	1	Fm3
•••••	.ugagaucaAugugaaaacugau	5	1	Fm3
	.ugagaAcauugugaaaacugau	4	1	Fm3
	.ugagaucauugCgaaaacugau	14	1	Fm3
	.ugagaucauugGgaaaacugau	7	1	Fm3
•••••	.ugagaucauAgugaaaacugau	3	1	Fm3
•••••	.ugagaNcauugugaaaacugau	10	1	Fm3
	.ugagauGauugugaaaacugau	3	1	Fm3
	.ugagaucauugugaaaacAgau	6	1	Fm3
			1	
	.ugagaucauCgugaaaacugau	5		Fm3
•••••	.ugagaucauugugaaaUcugauu	108	1	Fm3
	.uUagaucauugugaaaacugauu	16	1	Fm3
	.ugagaAcauugugaaaacugauu	8	1	Fm3
	.ugagaucauugugGaaacugauu	10	1	Fm3
•••••	.ugagaucauugugaaaacugUuu	4	1	Fm3
	.ugagaucauugugaaaCcugauu	86	1	Fm3
	.ugagUucauugugaaaacugauu	8	1	Fm3
•••••	.ugGgaucauugugaaaacugauu	19	1	Fm3
•••••	.ugagaucauCgugaaaacugauu	8	1	Fm3
	.Cgagaucauugugaaaacugauu	15	1	Fm3
	.ugagaucauugugaaaaUugauu	284	1	Fm3
		25	1	Fm3
	.uAagaucauugugaaaacugauu			
	.ugagaucauugugaaaaAugauu	501	1	Fm3
	.ugagauGauugugaaaacugauu	5	1	Fm3
	.ugUgaucauugugaaaacugauu	12	1	Fm3
	.ugagaucauugugaaaacugaCu	2	1	Fm3
•••••	.ugagaucauugugaUaacugauu	6	1	Fm3
	.ugagaucauugugaaGacugauu	13	1	Fm3
	.ugagaucauugugaaaacugauA	221	1	Fm3
	.ugagaucauugugaaaacugauG	3	1	Fm3
•••••	.ugagaucauugugaaaacugaGu	2	1	Fm3
	.ugCgaucauugugaaaacugauu	7	1	Fm3
	.ugagauNauugugaaaacugauu	7	1	Fm3
	.ugagaucauugCgaaaacugauu	11	1	Fm3
	.ugagaucauGgugaaaacugauu	4	1	Fm3
	.ugagaucauugugaaaacuUauu	9	1	Fm3
	.ugaCaucauugugaaaacugauu	5	1	Fm3
	.ugagaucauugugUaaacugauu	12	1	Fm3
		26	1	Fm3
•••••				
	.ugagaGcauugugaaaacugauu	3	1	Fm3
	.ugagaucauugugaaCacugauu	1	1	Fm3
	.ugagaucauugugaaaGcugauu	74	1	Fm3
	uga ga Nga uugu ga a a a guga uu	7	1	
		7		Fm3
	.ugagaucauuguAaaaacugauu	11	1	Fm3
	.ugaUaucauugugaaaacugauu	5	1	Fm3
	.ugagaucauugugaGaacugauu	16	1	Fm3
		8	1	Fm3
••••••	.ugagaucauAgugaaaacugauu	4	1	Fm3
	.ugagaucauugugaaaacugauu	58028	0	Fm3
	.ugagaucauuUugaaaacugauu	55	1	Fm3
		4	1	Fm3
•••••		2	1	Fm3
	.ugagaucauugugaaaacuAauu	4	1	Fm3
	.ugagaucauugAgaaaacugauu	7	1	Fm3
	.ugagaCcauugugaaaacugauu	5	1	Fm3
		10	1	Fm3
•••••		3	1	Fm3
	.ugagaucGuugugaaaacugauu	14	1	Fm3

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuc	ugagaucauugugaaaacugauuccguugcccccaauc			
	uCagaucauugugaaaacugauu	7	1	Fm3
		7	1	
	ugaAaucauugugaaaacugauu			Fm3
	ugagaucauuCugaaaacugauu	55	1	Fm3
	ugagaucauugugaaaaGugauu	262	1	Fm3
	ugagauUauugugaaaacugauu	17	1	Fm3
	ugagaucauuguUaaaacugauu	8	1	Fm3
	ugagaucauugugaaaacAgauu	2	1	Fm3
	ugagaucauugugaaaacugauC	3	1	Fm3
		4	1	Fm3
	ugagaucauuguCaaaacugauu			
	ugNgaucauugugaaaacugauu	1	1	Fm3
	ugagaucauuAugaaaacugauu	123	1	Fm3
	ugagaucauugGgaaaacugauu	1	1	Fm3
			1	
	ugagaucaAugugaaaacugauu	2		Fm3
	ugagGucauugugaaaacugauu	14	1	Fm3
	Agagaucauugugaaaacugauu	6	1	Fm3
	ugagaucauugugaaaacugGuu	7	1	Fm3
	ugagaucauugugaaUacugauu	7	1	Fm3
	ugagaucauugugCaaacugauu	4	1	Fm3
	ugagaucauugugaaaacugCuu	1	1	Fm3
	ugagaucauugugaaaacuCauu	4	1	Fm3
			1	
	ugagCucauugugaaaacugauu	13		Fm3
· · · · · · · · · · · · · · · · · · ·	ugagaucauugugaaaacugaAu	27	1	Fm3
	ugagaucaCugugaaaacugauu	2	1	Fm3
	ugagaucauugugaaaacugauuU	4874	1	Fm3
	ugagaucauugugaaaacugauuG	2	1	Fm3
	ugagaucauugugaaaacugauuA	138	1	Fm3
	ugagaucauugugaaaacugauuc	6	0	Fm3
		1	1	Fm3
••••••	.Uagaucauugugaaaacu			
•••••	.gagaucauuAugaaaacug	1	1	Fm3
	.gagaucauugugaaaacug	95	0	Fm3
	.gagaucauuUugaaaacug	2	1	Fm3
•••••	.Uagaucauugugaaaacug	2	1	Fm3
•••••	.gagaucauugugaaaacuga	8	0	Fm3
	.gagaucauugugaaaacugU	1	1	Fm3
	.gagaucauugugaaaacugaA	1	1	Fm3
		6	0	
••••••	.gagaucauugugaaaacugau			Fm3
•••••	.Uagaucauugugaaaacugau	1	1	Fm3
	.gagaucauugugaaaacugauu	14	0	Fm3
	.gagaucauugugaaaacugUuu	1	1	Fm3
		2	1	Fm3
	.Uagaucauugugaaaacugauu			
•••••	.gagaucauugugaaaacugauuU	1	1	Fm3
	Ugaucauugugaaaacug	6	1	Fm3
	Ugaucauugugaaaacugau	1	1	Fm3
		4	1	Em 2
••••••	Ugaucauugugaaaacugauu	4	1	Fm3
cugguuuucauaaugaccuucc		4	0	Mm1
cugguuuucauaaugaUcuuccag		1	1	Mm1
		12	0	Mm1
uuuucauaaugaccuuccaga		1	0	Mm1
uuucauaaugaccuuccaga		2	0	Mm1
auuc	ugagaucauugugaaaa	7	0	Mm1
auuc	ngaganganngnglaaa	1	1	Mm1
uuc	ugagaucauugugCaaacu	1	1	Mm1
uuc	ugagaucauugugUaaacu	1	1	Mm1
uuc	ugagaucauugugaaaacu	126	0	Mm1
uuc		2	1	Mm1
uuc		1	1	Mm1
······uuc	ugagaucauugugaUaacu	1	1	Mm1
uuc	ugagaucauugugaaaacuA	5	1	Mm1
c		6	0	Mm1
	ugagaucauugugaaaaG	45	1	Mm1
	ugagaucauugugaaaaU	2	1	Mm1
	ugagaucauugugaaaGc	2	1	Mm1
		42	1	Mm1
		71	0	Mm1
······································	ugagaucGuugugaaaacu	4	1	Mm1
	Cgagaucauugugaaaacu	1	1	Mm1
		1	1	Mm1
	ugagaucauucugaaaacu			
			1	36. 1
	ugagaucauuUugaaaacu	2 1	1 1	Mm1 Mm1

bcar	Macure			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuc	ugagaucauugugaaaacugauuccguugcccccaauc			
	ugUgaucauugugaaaacu	3	1	Mm1
	uAagaucauugugaaaacu	1	1	Mm1
	ugagaucauugugaaaUcu	5	1	Mm1
	ugagaucauugugaaaaAu	28	1	Mm1
	ugagaucauugugaaaaGu	17	1	Mm1
	ugagaucauugugaaaGcu	2	1	Mm1
	ugagaAcauugugaaaacu	1	1	Mm1
	ugagaucauugugaaaCcu	5	1	Mm1
	ugagaucauugugaaaaUu	14	1	Mm1
	ugGgaucauugugaaaacu	1	1	Mm1
	ugCgaucauugugaaaacu	1	1	Mm1
	ugagaucauGgugaaaacu	1	1	Mm1
	Ngagaucauugugaaaacu	3	1	Mm1
	ugagaucauugugaaaacu	2414	0	Mm1
	ugagCucauugugaaaacu	2	1	Mm1
	ugagaucauugugaaaaGug	122	1	Mm1
		2	1	Mm1
	ugaAaucauugugaaaacug			
	ugagaucauugugUaaacug	4	1	Mm1
	ugagaucaCugugaaaacug	3	1	Mm1
	ugagaucauGgugaaaacug	5	1	Mm1
	ugagGucauugugaaaacug	2	1	Mm1
	ugagaucauugugaGaacug	3	1	Mm1
	ugGgaucauugugaaaacug	18	1	Mm1
	ugUgaucauugugaaaacug	6	1	Mm1
	ugagaucauuCugaaaacug	22	1	Mm1
	ugagaucauugugaaaGcug	35	1	Mm1
	ugagaucaAugugaaaacug	1	1	Mm1
	ugagaucauugugaaaacuC	1	1	Mm1
	ugagUucauugugaaaacug	3	1	Mm1
	ugagaucauugugaaGacug	4	1	Mm1
	Cgagaucauugugaaaacug	6	1	Mm1
	ugagaucGuugugaaaacug	17	1	Mm1
	ugagaucauugugGaaacug	6	1	Mm1
	ugagaucauugugaaaUcug	57	1	Mm1
	Ggagaucauugugaaaacug	1	1	Mm1
	ugagaucauuUugaaaacug	30	1	Mm1
	ugagaucauuguUaaaacug	4	1	Mm1
	ugagaucauugugaaCacug	1	1	Mm1
	ugagauUauugugaaaacug	6	1	Mm1
	uAagaucauugugaaaacug	11	1	Mm1
	uCagaucauugugaaaacug	2	1	Mm1
	ugagaucauugCgaaaacug	4	1	Mm1
	ugagaucauugugaUaacug	2	1	Mm1
	ugagauGauugugaaaacug	1	1	Mm1
	ugagaucauugugaaaaAug	272	1	Mm1
	ugagaNcauugugaaaacug	7	1	Mm1
	ugagaucauuAugaaaacug	80	1	Mm1
		1	1	Mm1
		3	1	Mm1
	ugagaucauuguAaaaacug	9	1	Mm1
	ugagaucauugAgaaaacug	2	1	Mm1
	ugagaucauugugaaaacCg	1	1	Mm1
	ugagCucauugugaaaacug	13	1	Mm1
	ugagaucauugugaaaacuU	27	1	Mm1
		1	1	Mm1
		18	1	Mm1
	ugagaAcauugugaaaacug	1	1	Mm1
	ugagaucauAgugaaaacug	2	1	Mm1
	ugagauAauugugaaaacug	4	1	Mm1
	ugagaucauugGgaaaacug	1	1	Mm1
		2	1	Mm1
		3	1	Mm1
	ugagaGcauugugaaaacug	2	1	Mm1
	uUagaucauugugaaaacug	7	1	Mm1
	ugagaucauugugaaaacuA	44	1	Mm1
	ugagaucauugugaaaacug	29250	0	Mm1
		14	1	Mm1
		58	1	Mm1
		1	1	Mm1
	ugagaucauCgugaaaacug	6	1	Mm1

Star M	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauucu	gagaucauugugaaaacugauuccguugcccccaauc			
uı	gagaucauugugaaaaUug	152	1	Mm1
		3	1	Mm1
us				
uş	gagaucauugugaGaacuga	1	1	Mm1
us	gagGucauugugaaaacuga	3	1	Mm1
uı	gagaucauugugaaaaAuga	103	1	Mm1
	gagaucauugugaaaaGuga	51	1	Mm1
	gagaucauugAgaaaacuga	1	1	Mm1
Ng	gagaucauugugaaaacuga	9	1	Mm1
u	Cagaucauugugaaaacuga	2	1	Mm1
ug	gagaucauAgugaaaacuga	1	1	Mm1
ug	gagaucauugugaaaUcuga	27	1	Mm1
	gagaucauugugaaaacuCa	2	1	Mm1
	gCgaucauugugaaaacuga	1	1	Mm1
u/	Aagaucauugugaaaacuga	9	1	Mm1
ug	gagaucauugugaaaacuga	12838	0	Mm1
ul	Nagaucauugugaaaacuga	1	1	Mm1
	gagaucCuugugaaaacuga	2	1	Mm1
	gaUaucauugugaaaacuga	1	1	Mm1
	gagaucauugugaaaacugU	267	1	Mm1
uı	gagaucauugugaaaCcuga	17	1	Mm1
uṣ	gagaucauugugUaaacuga	3	1	Mm1
u	gagaucauugugaaaacugG	39	1	Mm1
	gagaucauugugaCaacuga	1	1	Mm1
		3	1	Mm1
	gagaAcauugugaaaacuga			
uş	gUgaucauugugaaaacuga	3	1	Mm1
us	gagaucauugugaaaacugC	1	1	Mm1
uı	gagaucGuugugaaaacuga	1	1	Mm1
	gagaucauugugaaaaUuga	61	1	Mm1
	gagauGauugugaaaacuga	1	1	Mm1
us	gagaucauugugaaaacuAa	1	1	Mm1
uı	gagaGcauugugaaaacuga	1	1	Mm1
ug	gagUucauugugaaaacuga	2	1	Mm1
u	gagaucauuUugaaaacuga	5	1	Mm1
.uc	gagaNcauugugaaaacuga	1	1	Mm1
		2	1	Mm1
	gagauUauugugaaaacuga			
uş	gagaucauugugaaaacCga	1	1	Mm1
uı	gaAaucauugugaaaacuga	1	1	Mm1
ug	gagaucauugugCaaacuga	1	1	Mm1
u	gagaucauCgugaaaacuga	2	1	Mm1
	gagaucauuCugaaaacuga	17	1	Mm1
		5	1	Mm1
	gagaucauugugaaaacuga			
A	gagaucauugugaaaacuga	1	1	Mm1
us	gagaucauugugaaGacuga	1	1	Mm1
ug	gagaucaCugugaaaacuga	4	1	Mm1
ug	gagaucauugugaaaGcuga	13	1	Mm1
ug		5	1	Mm1
uş		1	1	Mm1
ug	gagaucauuguAaaaacuga	2	1	Mm1
us	gGgaucauugugaaaacuga	5	1	Mm1
ug	gagaucauuAugaaaacuga	22	1	Mm1
uı	gagaucauugCgaaaacuga	7	1	Mm1
		12	1	Mm1
uş		4	1	Mm1
ug	gagaucauCgugaaaacugau	9	1	Mm1
ug	gagaucauugugaaaacugUu	6	1	Mm1
ug	gagCucauugugaaaacugau	3	1	Mm1
ug	gagaucauugugGaaacugau	1	1	Mm1
ug		1	1	Mm1
	Cagaucauugugaaaacugau	2	1	Mm1
ug	gagaucauugugaaaaAugau	80	1	Mm1
uı	gagaucauuUugaaaacugau	8	1	Mm1
ug		6	1	Mm1
u		1	1	Mm1
		1	1	Mm1
uı	gagaucauugugaaaaGugau	32	1	Mm1
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ug		1	1	Mm1
		1	1	Mm1
		2	1	Mm1
uş	gagauuauugugaaaacugau	4	_	rimi

Star Ma	ature			
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ugg	ragaucauuCugaaaacugau	7	1	Mm1
uga		17	1	Mm1
uga	agaucGuugugaaaacugau	6	1	Mm1
uge	agaucauugCgaaaacugau	2	1	Mm1
uga	agaucauuAugaaaacugau	21	1	Mm1
uga	ragaucauugugCaaacugau	1	1	Mm1
	ragaucauugugaaaacugau	3	1	Mm1
uga	agaucauugugaGaacugau	2	1	Mm1
uga	gagaCcauugugaaaacugau	1	1	Mm1
uga	agaucauugugaaaacugaA	117	1	Mm1
uga	agaucauugugUaaacugau	2	1	Mm1
ug	gagaucaCugugaaaacugau	1	1	Mm1
.uga	gagaucauugugaaaacugCu	1	1	Mm1
	Cgaucauugugaaaacugau	1	1	Mm1
	agaucauugugaaaaUugau	53	1	Mm1
uga	agaucUuugugaaaacugau	1	1	Mm1
ug	gagaucauAgugaaaacugau	1	1	Mm1
uga	agaNcauugugaaaacugau	3	1	Mm1
uge	agaucauugugaaGacugau	1	1	Mm1
	gagaucauugugaaaacugau	9187	0	Mm1
	ragCucauugugaaaacugauu	7	1	Mm1
		18	1	Mm1
	agaucauugugaaaCcugauu			
uga	agaucauugugGaaacugauu	1	1	Mm1
uge	agaucauuUugaaaacugauu	6	1	Mm1
uga	agaucauugugaaGacugauu	3	1	Mm1
uga	gagaNcauugugaaaacugauu	2	1	Mm1
	ragaucauuCugaaaacugauu	7	1	Mm1
		10	1	
	agaucauugugaaaacugaAu			Mm1
ugt	Ugaucauugugaaaacugauu	1	1	Mm1
uge	agaucauugugaaaacugauA	57	1	Mm1
uga	aAaucauugugaaaacugauu	2	1	Mm1
ugg	ragaucauugugaaaacugGuu	2	1	Mm1
.ug	gagaucauugCgaaaacugauu	1	1	Mm1
	gagaucauGgugaaaacugauu	1	1	Mm1
	agaucauugugaaaacugauC	4	1	Mm1
uga	agaucauugugaaaacugUuu	2	1	Mm1
ug	gagaucauugugaaaaGugauu	43	1	Mm1
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		1	1	Mm1
	agaucauugugaaaacugauu			
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uA	agaucauugugaaaacugauu	2	1	Mm1
uga	agaucauugugUaaacugauu	5	1	Mm1
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	agaucauugugaaaacugauu	7	1	Mm1
uga		71	1	Mm1
uga		2	1	Mm1
uga		17	1	Mm1
uge	gagauUauugugaaaacugauu	1	1	Mm1
uga	agaucauugugaaaacAgauu	2	1	Mm1
uga	agaucauuAugaaaacugauu	15	1	Mm1
uga	gagaucaGugugaaaacugauu	2	1	Mm1
uga		13	1	Mm1
		9341	0	Mm1
uga				
uga		49	1	Mm1
uge	agaucGuugugaaaacugauu	33	1	Mm1
uga	agaucauugugaaaacugauuc	2	0	Mm1
uga	gagaucauugugaaaacugauuG	3	1	Mm1
ug	agaucauugugaaaacugauuU	813	1	Mm1
uga		41	1	Mm1
		1	1	Mm1
ga				
ga		1	1	Mm1
ga	agaucauugugaaaacug	27	0	Mm1
ga	agaucauugugaaaacugau	1	0	Mm1
g	gagaucauugugaaaacugauu	2	0	Mm1
	Ugaucauugugaaaacug	1	1	Mm1
cugguuuucauaaugaccuucc		1	0	Mm2
cugguuuucauaaugaceuuce		1	1	Mm2
		-	-	

Star Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuc <mark>ugagaucauugugaaaacug</mark> auuccguugcccccaauc			
сиддининсанаандасАниссад	1	1	Mm2
	3	0	Mm2
.cugguuuucauaaugaccuuccaga.	29	0	Mm2
cugguuuucauaaugaccuuccagU	3	1	Mm2
cugguuuucauaaugaccuuGcaga	1	1	Mm2
	1	1	Mm2
cugguuuucauaaugaUcuuccaga	1	1	Mm2
	1	0	Mm2
.uuuucauaaugaccuuccaga	10	0	Mm2
uucauaaugaccuuccaga	1	0	Mm2
.uucugagaucauugugCaaacu	2	1	Mm2
	2	1	Mm2
uucugagaucauugugaaaacG	1	1	Mm2
uucugagaucauugugaaaacu	302	0	Mm2
uucugagaucauugugaCaacu.	1	1	Mm2
.uucAgagaucauugugaaaacu	1	1	Mm2
.uucugagaucauugugUaaacu	1	1	Mm2
uucugagaucauugugaaaacuA	2	1	Mm2
.uucugagaucauugugaaaacuU	2	1	Mm2
uucugagaucauugugaaaacug	12	0	Mm2
	1	0	Mm2
.cugagaucauugugaaaacugau.			
cugagaucauugugaaaacugauu	3	0	Mm2
.ugagaucGuugugaaaac	2	1	Mm2
.ugagaucauugugaaaaA	36	1	Mm2
ugagaucauugugaaaac	84	0	Mm2
ugagaucauugugaaaaG	37	1	Mm2
ugagaucauugugaaaaU	3	1	Mm2
ugagaucauuCugaaaacu	2	1	Mm2
ugagaucauugugaaGacu	1	1	Mm2
.ugagaucauugugaaaacG	20	1	Mm2
ugagaucauugugaaaGcu	5	1	Mm2
	3	1	Mm2
ugagaucauuUugaaaacu.			
ugagaucauugugaaaacu	2434	0	Mm2
ugagaucauugugaaaUcu	5	1	Mm2
ugagaCcauugugaaaacu	1	1	Mm2
.ugagaucauugAgaaaacu	2	1	Mm2
ugagaucauugugaaaaAu	29	1	Mm2
ugagaucUuugugaaaacu	1	1	Mm2
	1	1	Mm2
	1	1	Mm2
.ugagaucauugugaaaaUu	15	1	Mm2
. Ngagaucauugugaaaacu	3	1	Mm2
ugagauVauugugaaaacu	1	1	Mm2
ugUgaucauugugaaaacu.	1	1	Mm2
ugagaucauugugaaaaGu	8	1	Mm2
	2	1	Mm2
.ugagaucauugugaaaacA	1	1	Mm2
ugagaucauCgugaaaacu.	1	1	Mm2
ugagaucGuugugaaaacu	7	1	Mm2
	, 69	1	Mm2
ugagaucauugugaaaacuU			
ugagaucauugugaaaGcug	30	1	Mm2
ugagauNauugugaaaacug	1	1	Mm2
uUagaucauugugaaaacug.	7	1	Mm2
ugagaucauuguCaaaacug	3	1	Mm2
ugagGucauugugaaaacug	3	1	Mm2
ugagaucauCgugaaaacug.	3	1	Mm2
ugagaucauuguAaaacug	6	1	Mm2
ugagaucauugugaaaahug	224	1	Mm2
ugagaucauugugGaaacug	2	1	Mm2
ugagaucauugGgaaaacug	1	1	Mm2
	156	1	Mm2
ugagaucauugugaaaacGg			
ugagaucauugugaUaacug	1	1	Mm2
ugagaucauugAgaaaacug	1	1	Mm2
uAagaucauugugaaaacug	7	1	Mm2
ugagaCcauugugaaaacug.	3	1	Mm2
ugagaucaCugugaaaacug	5	1	Mm2
ugagaucaAugugaaaacug	1	1	Mm2
ugagauUauugugaaaacug	9	1	Mm2
ugagCucauugugaaaacug	2	1	Mm2
	1	1	Mm2
ugagaucauugugaaGacug	-	-	

bear	Macure			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauucu	igagaucauugugaaaacugauuccguugcccccaauc			
u	ngGgaucauugugaaaacug	9	1	Mm2
	gagaucauugugaaaacug	1	1	Mm2
u	ıgagaAcauugugaaaacug	5	1	Mm2
	Vgagaucauugugaaaacug	12	1	Mm2
u	ıgagaucauuguUaaaacug	3	1	Mm2
u	ıgUgaucauugugaaaacug	3	1	Mm2
u	ngagaucauuUugaaaacug	17	1	Mm2
u	ıgagaucauugugaaUacug	2	1	Mm2
	ıgagaucUuugugaaaacug	5	1	Mm2
	ıgagaucCuugugaaaacug	2	1	Mm2
u	ıgagaucauuAugaaaacug	57	1	Mm2
u	ıgagaucauugugaaaUcug	44	1	Mm2
u	ıgagaucauugugaaaaGug	119	1	Mm2
	ıgaAaucauugugaaaacug	1	1	Mm2
		10	1	Mm2
	ıgagaucGuugugaaaacug			
u	ıgagaucauugugaaaaUug	125	1	Mm2
u	ıgagaucauugugaaaacuA	106	1	Mm2
u	ngagaucauugugaaaacug	27979	0	Mm2
u	ıgagaucauugugaaaCcug	53	1	Mm2
		5	1	Mm2
	ıgagaucauugCgaaaacug			
c	Cgagaucauugugaaaacug	7	1	Mm2
u	ngCgaucauugugaaaacug	1	1	Mm2
u	ngaCaucauugugaaaacug	1	1	Mm2
u	ıgagUucauugugaaaacug	3	1	Mm2
	gagaNcauugugaaaacug	1	1	Mm2
u	ıgagaucauugugCaaacug	1	1	Mm2
u	ngagaucauuCugaaaacug	22	1	Mm2
A	Agagaucauugugaaaacug	4	1	Mm2
u	ıgaVaucauugugaaaacug	2	1	Mm2
	ıgagaucauugugaaaacCg	4	1	Mm2
		2	1	
	ıgagaucauugugaGaacug			Mm2
u	ıgagauAauugugaaaacug	2	1	Mm2
u	ngagaucauugugUaaacug	6	1	Mm2
u	ngagaucauugugaaaacuC	5	1	Mm2
u	ıgagaucauugugaCaacug	1	1	Mm2
	gagUucauugugaaaacuga	9	1	Mm2
	ıgagaucauugugaGaacuga	3	1	Mm2
u	ngagaucaGugugaaaacuga	3	1	Mm2
u	ıgagaucauugugaaaacuUa	4	1	Mm2
u	ıgagaucauuCugaaaacuga	18	1	Mm2
	ıgagaucauugugUaaacuga	3	1	Mm2
		3	1	Mm2
	Agagaucauugugaaaacuga			
u	ngagaucauugugaaaacugC	9	1	Mm2
u	ıgaCaucauugugaaaacuga	1	1	Mm2
u	ngagaucauugugaaaaUuga	112	1	Mm2
u	ıqaqaucauuquUaaaacuqa	2	1	Mm2
		1	1	Mm2
u				
u	igagauGauugugaaaacuga	1	1	Mm2
u	ngagaNcauugugaaaacuga	3	1	Mm2
u	ıgagaucauugugaaaUcuga	44	1	Mm2
u	ıgagaucauugugaaaCcuga	41	1	Mm2
u		3	1	Mm2
		23	1	Mm2
u				
u	ıgagaucauugugaaaaGuga	131	1	Mm2
u	ıgGgaucauugugaaaacuga	4	1	Mm2
u	ıgagaucUuugugaaaacuga	4	1	Mm2
u	ıqUqaucauuquqaaaacuqa	1	1	Mm2
u		2	1	Mm2
u		5	1	Mm2
u	ngagaucauugCgaaaacuga	4	1	Mm2
u	igaVaucauugugaaaacuga	2	1	Mm2
u	ıgagaucauugAgaaaacuga	1	1	Mm2
u		2	1	Mm2
u		17	1	Mm2
u	ngagaucauugugaaUacuga	4	1	Mm2
u	ıgagaucauuAugaaaacuga	47	1	Mm2
u	ngagauNauugugaaaacuga	2	1	Mm2
	Tgagaucauugugaaaacuga	7	1	Mm2
u		210	1	Mm2
u	ayayaucauugugaadacuAa	6	1	Mm2

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuc	ugagaucauugugaaaacugauuccguugcccccaauc			
	ugagaucauugugCaaacuga	1	1	Mm2
	ugagaucauugugaaaGcuga	28	1	Mm2
	ugagaucauugugaaCacuga	1	1	Mm2
	ugagCucauugugaaaacuga	2	1	Mm2
		8	1	Mm2
••••••	ugagauUauugugaaaacuga			
	ugagGucauugugaaaacuga	3	1	Mm2
	ugagaucCuugugaaaacuga	1	1	Mm2
	ugagaAcauugugaaaacuga	4	1	Mm2
•••••	ugagaucauugugaaaacugU	393	1	Mm2
	ugagaucauugugaaaacuga	24072	0	Mm2
	uUagaucauugugaaaacuga	6	1	Mm2
••••••	ugagaucaAugugaaaacuga	2	1	Mm2
	ugagaucaCugugaaaacuga	1	1	Mm2
	ugagaCcauugugaaaacuga	3	1	Mm2
	ugagaucauugugaaaacCga	2	1	Mm2
•••••	uAagaucauugugaaaacuga	9	1	Mm2
	ugaAaucauugugaaaacuga	4	1	Mm2
	.Cgagaucauugugaaaacuga	7	1	Mm2
••••••	.Ggagaucauugugaaaacuga	1	1	Mm2
	ugagaucauugugaaaacugG	676	1	Mm2
	ugagaucauugugaaUacugau	1	1	Mm2
		1	1	
	ugagaCcauugugaaaacugau			Mm2
	ugagaucauugugaaCacugau	2	1	Mm2
	ugagaucauugugaaaCcugau	49	1	Mm2
	ugagaucauugugaaaacugaA	180	1	Mm2
•••••	ugagaucauugCgaaaacugau	7	1	Mm2
	ugagauGauugugaaaacugau	1	1	Mm2
	.Cgagaucauugugaaaacugau	9	1	Mm2
••••••	ugagaucauugugaUaacugau	1	1	Mm2
	ugagaucauuguCaaaacugau	2	1	Mm2
	ugUgaucauugugaaaacugau	4	1	Mm2
	ugagaucauugugaaaacCgau	6	1	Mm2
•••••	ugagGucauugugaaaacugau	4	1	Mm2
	ugagaucauuAugaaaacugau	59	1	Mm2
	uCagaucauugugaaaacugau	1	1	Mm2
		1	1	Mm2
	ugagaGcauugugaaaacugau			
•••••	ugagaucauuguUaaaacugau	5	1	Mm2
	ugagaucauugugaaaaAugau	247	1	Mm2
	ugagaucauugugaaaUcugau	48	1	Mm2
••••••	Ngagaucauugugaaaacugau	17	1	Mm2
	ugagaucauugugaaaaUugau	146	1	Mm2
	ugagaucauugugaGaacugau	1	1	Mm2
		16	1	Mm2
••••••	ugagaucauuUugaaaacugau			
•••••	ugagaucaCugugaaaacugau	4	1	Mm2
	ugagaucauugugaaaacugUu	6	1	Mm2
	ugagaucauugugGaaacugau	5	1	Mm2
	ugagaucauugugaaaacugGu	2	1	Mm2
	ugaUaucauugugaaaacugau	1	1	Mm2
	ugagaucCuugugaaaacugau	1	1	Mm2
		3	1	Mm2
	ugagaucauugugaaGacugau	2	1	Mm2
	ugagaucauuguAaaaacugau	3	1	Mm2
	ugagaucauugugaaaacGgau	2	1	Mm2
	ugagaucauugugcaaacugau	1	1	Mm2
	ugagaucauugugaaaacugCu	1	1	Mm2
	ugGgaucauugugaaaacugau	8	1	Mm2
		4	1	Mm2
	ugagaucauugugaaaacuUau	3	1	Mm2
	ugagCucauugugaaaacugau	2	1	Mm2
	Agagaucauugugaaaacugau	6	1	Mm2
		27846	0	
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	uAagaucauugugaaaacugau	13	1	Mm2
	ugagauAauugugaaaacugau	2	1	Mm2
		28	1	Mm2
	ugagancauugugaaaacugau	4	1	Mm2
	ugagauUauugugaaaacugau	6	1	Mm2
	ugagaucauugAgaaaacugau	2	1	Mm2
		3	1	Mm2
•••••				
	ugagaucauugugaaaaGugau	118	1	Mm2
	ugaAaucauugugaaaacugau	3	1	Mm2

Star	Mature			
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	ugagaucauugugaaaacuAau	1	1	Mm2
		3	1	Mm2
	ugagaucauugugaaaGcugau	35	1	Mm2
	ugagaucauugugaaaacAgau	2	1	Mm2
	ugagaucauugugaaaacugaC	8	1	Mm2
	ugagaucauAgugaaaacugau	3	1	Mm2
	ugagaucUuugugaaaacugau	8	1	Mm2
	ugagaAcauugugaaaacugau	1	1	Mm2
	uUagaucauugugaaaacugau	10	1	Mm2
	ugagaucauuCugaaaacugau	36	1	Mm2
	ugagaucauugAgaaaacugauu	8	1	Mm2
	ugagaucauuguCaaaacugauu	4	1	Mm2
	ugagaucauugugaaaacugauC	7	1	Mm2
	ugagaucauugugaaaacugGuu	6	1	Mm2
	uUagaucauugugaaaacugauu	11	1	Mm2
	ugagaucauugugaGaacugauu	3	1	Mm2
	ugagaucaCugugaaaacugauu	3	1	Mm2
	ugagaucaAugugaaaacugauu	5	1	Mm2
	ugagaucauugugaaaacugauu	34937	0	Mm2
	ugagaucauugugaaaacCgauu	6	1	Mm2
	ugagGucauugugaaaacugauu	3	1	Mm2
	ugagaucauugugaaaacugaCu	2	1	Mm2
	ugagaucaGugugaaaacugauu	2	1	Mm2
	ugagaNcauugugaaaacugauu	8	1	Mm2
	ugagaucauugugGaaacugauu	3	1	Mm2
	ugagaucauugugaaaacuUauu	7	1	Mm2
	ugagauAauugugaaaacugauu	2	1	Mm2
	ugagCucauugugaaaacugauu	13	1	Mm2
		361	1	Mm2
	ugagaucauugugaaaacugauA			
	ugagaucauugugaCaacugauu	1	1	Mm2
	ugUgaucauugugaaaacugauu	4	1	Mm2
	ugagaucauugugaaaacugaGu	1	1	Mm2
	ugagaucauuCugaaaacugauu	29	1	Mm2
	ugagaucauugugaaaacAgauu	3	1	Mm2
	ugagaucauugugaaaacugCuu	1	1	Mm2
		9	1	Mm2
	ugagaucauugCgaaaacugauu			
	ugaCaucauugugaaaacugauu	1	1	Mm2
	ugagaucauugugaaaacugUuu	16	1	Mm2
	ugagaucauugugaaaaGugauu	140	1	Mm2
	uAagaucauugugaaaacugauu	22	1	Mm2
	ugagaucauugugaaaacugauG	9	1	Mm2
	ugagaucUuugugaaaacugauu	4	1	Mm2
		4	1	Mm2
	ugagaucauuguAaaaacugauu			
	ugagaucauugugaaaacGgauu	1	1	Mm2
		90	1	Mm2
	ugagaAcauugugaaaacugauu	1	1	Mm2
	Ngagaucauugugaaaacugauu	18	1	Mm2
	ugagauUauugugaaaacugauu	11	1	Mm2
		5	1	Mm2
		2	1	Mm2
		69	1	Mm2
		2	1	Mm2
	Cgagaucauugugaaaacugauu	10	1	Mm2
	ugagaucauugugUaaacugauu	5	1	Mm2
	ugagaucauugugaaaaAugauu	282	1	Mm2
	ugGgaucauugugaaaacugauu	14	1	Mm2
	ugagaucauugugaaCacugauu	1	1	Mm2
		38	1	Mm2
		23	1	Mm2
		1	1	Mm2
	ugagaucauugugaaaaUugauu	173	1	Mm2
	ugagaucauugugaaaacugaAu	12	1	Mm2
	ugagaCcauugugaaaacugauu	2	1	Mm2
		3	1	Mm2
		2	1	Mm2
		5	1	Mm2
		6	1	Mm2
	ugagaucauugugaaUacugauu	5	1	Mm2
		2	1	Mm2
	uCagaucauugugaaaacugauu	4	1	Mm2

Star Mati	ure			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauucugagauc	cauugugaaaacugauuccguugcccccaauc			
ugagaud	cauCgugaaaacugauu	3	1	Mm2
ugagauc		60	1	Mm2
	•			
ugagaud	cauGgugaaaacugauu	4	1	Mm2
ugagaud	cauugugaaaUcugauu	70	1	Mm2
ugagaud	cauugugaUaacugauu	4	1	Mm2
uNagauc	cauugugaaaacugauu	1	1	Mm2
	CCuugugaaaacugauu	3	1	Mm2
ugaguud	cauugugaaaacugauu	8	1	Mm2
ugagaud	cauugugaaaacugauuA	126	1	Mm2
ugagaud	cauugugaaaacugauuG	4	1	Mm2
ugagaud	cauugugaaacugauuU	2922	1	Mm2
ugagaud	cauugugaaaaGugauuc	1	1	Mm2
.ugagauc	cauugugaaaacugauuc	5	0	Mm2
	cauugugaaaacugauucU	1	1	Mm2
	cauugugaaaacu	1	1	Mm2
gagaud	cauugugaaaacug	14	0	Mm2
	cauugugaaaacuga	1	1	Mm2
gagauc	cauugugaaaacuga	2	0	Mm2
	cauugugaaaacugau	1	1	Mm2
gagauc	cauugugaaaacugau	5	0	Mm2
	cauugugaaaacugauu	1	1	Mm2
gagaud	cauugugaaaacugauu	4	0	Mm2
Ugaud	cauugugaaaacug	1	1	Mm2
	cauugugaaaacugauu	1	1	Mm2
cugguuuucauaaugaccuucc		5	0	Fm1
		1	1	Fm1
cugguuuucauaaugaccuucca		3	0	Fm1
cugguuuucauaaugaccuuccG		1	1	Fm1
cugguuuucauaaugacUuuccag		2	1	Fm1
cugguuuucaGaaugaccuuccag		1	1	Fm1
cugguuuucauaaugaccuuccag		35	0	Fm1
cugguuuucauaaugaccuuccagU		4	1	Fm1
		1	1	Fm1
cugguuuucauaaugacUuuccaga				
cugguNuucauaaugaccuuccaga	• • • • • • • • • • • • • • • • • • • •	1	1	Fm1
cugguuuucauaaugacAuuccaga		1	1	Fm1
cugguuuucaCaaugaccuuccaga		2	1	Fm1
cugguuuucauaaugaccuuccaga		119	0	Fm1
gguuuucauaaugaccuuccagÜ		4	1	Fm1
uuuucauaaugaccuuccaga		5	0	Fm1
	cauugugaaa	6	0	Fm1
uucugagauc	cauugugaaaa	3	0	Fm1
uucugagauc	cauugugaaaac	10	0	Fm1
uucugagauc	cauugugaaaaU	5	1	Fm1
uucugagauc	cauugugaUaacu	1	1	Fm1
uucugGgauc	auugugaaaacu	1	1	Fm1
		1	1	Fm1
uucugagauc				
uuAugagauc	cauugugaaaacu	1	1	Fm1
uucugagauc	cauugugaGaacu	2	1	Fm1
uucugagauc	cauugugaaaacu	636	0	Fm1
uAcugagauc	cauugugaaaacu	1	1	Fm1
uucuAagauc	cauugugaaaacu	2	1	Fm1
uuGugagauc		1	1	Fm1
		2	1	Fm1
uucugagauc	cUuugugaaaacu	2	1	Fm1
uucugagauc	cauugugaaaacG	3	1	Fm1
uucugagauc	cGuugugaaaacu	6	1	Fm1
uucugagauc	cauugugCaaacu	2	1	Fm1
uucugagauc	cauugugUaaacu	1	1	Fm1
uucugagauc		1	1	Fm1
uucugagauc		1	1	Fm1
uucugagauc	cauugugaaaacug	32	0	Fm1
uucugagauc	cauugugaaacuU	6	1	Fm1
uucugagauc	cauugugGaaacug	1	1	Fm1
uucugagauc	cauugugaUaacug	1	1	Fm1
uucugagauc	cauugugaaaacuA	8	1	Fm1
ucugagauc		7	0	Fm1
		1	1	Fm1
cugagauc				
cugagauc		5	0	Fm1
	cauugugaaaacugauu	6	0	Fm1

bcar	Macure			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauu	cugagaucauugugaaaacugauuccguugcccccaauc			
	.ugagaucGuugugaaaac	3	1	Fm1
	.ugagaucauugugaaaGc	1	1	Fm1
	.ugagauNauugugaaaac	1	1	Fm1
	.ugagaucauugugaaaac	186	0	Fm1
	.ugagaucauugugaaaaU	24	1	Fm1
••••••	.ugagaucauugugaaaaG	106	1	Fm1
	.ugagaucauuCugaaaac	1	1	Fm1
	.ugagaucauugugaaaaA	133	1	Fm1
	.ugagaucUuugugaaaacu	2	1	Fm1
	.ugagaAcauugugaaaacu	5	1	Fm1
	.ugCgaucauugugaaaacu	2	1	Fm1
	.ugagaucauugugaaaacu	10860	0	Fm1
•••••	.ugagaucauAgugaaaacu	1	1	Fm1
	.ugagaucauugugaaaaUu	65	1	Fm1
	.ugagaucauugugaaaacG	117	1	Fm1
	.ugagaucauugugaGaacu	11	1	Fm1
	.ugagaucauuguUaaaacu	2	1	Fm1
	.ugagaucauugugaUaacu	1	1	Fm1
	.ugGgaucauugugaaaacu	3	1	Fm1
	.Ngagaucauugugaaaacu	4	1	Fm1
	.ugagaucauCgugaaaacu	1	1	Fm1
	.ugagaucauuCugaaaacu	10	1	Fm1
	.ugagaucauugugaaaaGu	52	1	Fm1
	.ugagauUauugugaaaacu	6	1	Fm1
•••••	.ugagaCcauugugaaaacu	1	1	Fm1
	.ugagaucauugAgaaaacu	3	1	Fm1
	.uAagaucauugugaaaacu	7	1	Fm1
	.ugagaucauugCgaaaacu	1	1	Fm1
	.ugagaucGuugugaaaacu	45	1	Fm1
••••••	.ugagaucaCugugaaaacu	1	1	Fm1
	.uUagaucauugugaaaacu	1	1	Fm1
	.ugagaNcauugugaaaacu	3	1	Fm1
	.ugagaucauugugaaaacC	3	1	Fm1
	.ugagUucauugugaaaacu	1	1	Fm1
			1	Fm1
	.ugagaucauugugaaaacA	24		
•••••	.ugagCucauugugaaaacu	3	1	Fm1
	.ugagaucauugugaaaGcu	10	1	Fm1
	.ugagaucauuUugaaaacu	6	1	Fm1
	.ugaCaucauugugaaaacu	2	1	Fm1
	.ugagaucCuugugaaaacu	2	1	Fm1
	.ugagaucauugugaaaUcu	25	1	Fm1
	.ugagGucauugugaaaacu	4	1	Fm1
•••••	.ugagauAauugugaaaacu	2	1	Fm1
	.ugagaucaAugugaaaacu	2	1	Fm1
	.ugUgaucauugugaaaacu	5	1	Fm1
	.Cgagaucauugugaaaacu	3	1	Fm1
		2	1	Fm1
		114	1	Fm1
	.ugagaucauugugaaGacu	3	1	Fm1
	.ugagaucauuguAaaacu	3	1	Fm1
	.ugagaucauugugaaaCcu	14	1	Fm1
	.ugagaucauugugGaaacu	1	1	Fm1
	.ugagaNcauugugaaaacug	30	1	Fm1
		22	1	
•••••				Fm1
	.ugagaucauugugaaUacug	17	1	Fm1
	.ugagaucauugugaaaacug	195850	0	Fm1
	.ugagaucauugugaaaacuC	4	1	Fm1
	.ugagaucauugugaaaacGg	1343	1	Fm1
		37	1	Fm1
•••••		14	1	Fm1
	.ugagaucauuguAaaaacug	27	1	Fm1
	.ugagaucauugugaGaacug	15	1	Fm1
	.ugagaucauugugaaaacuU	321	1	Fm1
	.Cgagaucauugugaaaacug	64	1	Fm1
		10	1	Fm1
		62	1	Fm1
•••••		17	1	Fm1
	.uNagaucauugugaaaacug	1	1	Fm1
	.ugagaucauugugaaGacug	40	1	Fm1
	.ugagauGauugugaaaacug	4	1	Fm1

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuc	ugagaucauugugaaaacugauuccguugcccccaauc			
	Ngagaugauugugaaaagug	94	1	Fm1
		1	1	Fm1
	ugagaucCuugugaaaacug	3	1	Fm1
	ugagaucauCgugaaaacug	29	1	Fm1
	ugagaucauuguUaaaacug	21	1	Fm1
	ugagaucauugugaaCacug	4	1	Fm1
	ugagaCcauugugaaaacug	8	1	Fm1
	ugagaucaCugugaaaacug	13	1	Fm1
	ugGgaucauugugaaaacug	69	1	Fm1
	ugagGucauugugaaaacug	27	1	Fm1
	ugagaucauugugaaaacuA	399	1	Fm1
	ugagaucauugAgaaaacug	15	1	Fm1
		6	1	Fm1
	ugagaucaAugugaaaacug			
	ugagaucauugugaaaUcug	376	1	Fm1
	ugagaucauGgugaaaacug	10	1	Fm1
	ugagaucauugGgaaaacug	6	1	Fm1
	ugaCaucauugugaaaacug	10	1	Fm1
	ugagaucauugugaaaacAg	12	1	Fm1
	ugagaucauuguCaaaacug	9	1	Fm1
	uCagaucauugugaaaacug	16	1	Fm1
	uUagaucauugugaaaacug	27	1	Fm1
	ugagaucauugugaaaaAug	1638	1	Fm1
	ugagaucauugugaaaGcug	220	1	Fm1
	Ggagaucauugugaaaacug	8	1	Fm1
		24	1	Fm1
	Agagaucauugugaaaacug			
	ugagaucauugugUaaacug	36	1	Fm1
	ugagaucauugugaaaaGug	868	1	Fm1
	ugagaucUuugugaaaacug	40	1	Fm1
	ugagaucGuugugaaaacug	44	1	Fm1
	ugagaucauugCgaaaacug	30	1	Fm1
	ugagaucaGugugaaaacug	13	1	Fm1
	ugCgaucauugugaaaacug	20	1	Fm1
	ugagaucauuAugaaaacug	418	1	Fm1
	ugagaucauAgugaaaacug	12	1	Fm1
	ugagaucauugugaCaacug	5	1	Fm1
	ugagaucauugugaUaacug	12	1	Fm1
	ugagaucauugugaaaaUug	979	1	Fm1
	ugaUaucauugugaaaacug	13	1	Fm1
	ugagaucauuUugaaaacug	137	1	Fm1
	ugagauNauugugaaaacug	18	1	Fm1
	ugNgaucauugugaaaacug	1	1	Fm1
	ugagUucauugugaaaacug	25	1	Fm1
		48	1	Fm1
	ugagaGcauugugaaaacug	8	1	Fm1
	ugaAaucauugugaaaacug	30	1	Fm1
	ugagaucauugugaaaacCg	31	1	Fm1
		36	1	Fm1
		375	1	Fm1
	ugagaucauuCugaaaacug	181	1	Fm1
	ugagaucauugugaaaacuga	89737	0	Fm1
	ugagaucaAugugaaaacuga	7	1	Fm1
	ugaUaucauugugaaaacuga	5	1	Fm1
	ugagaucauugugaaUacuga	7	1	Fm1
		11	1	Fm1
		199	1	Fm1
	uUagaucauugugaaaacuga	18	1	Fm1
	ugagaCcauugugaaaacuga	6	1	Fm1
	ugagUucauugugaaaacuga	8	1	Fm1
		2	1	Fm1
		4	1	Fm1
		31	1	Fm1
······································	ugagaucauugugaaaacCga	9	1	Fm1
	ugagaucauCgugaaaacuga	20	1	Fm1
	ugagaucauugugaCaacuga	2	1	Fm1
		14	1	Fm1
		753	1	Fm1
		5	1	Fm1
	ugagaucauugugaaaacugU	1923	1	Fm1
	ugagaucauugugUaaacuga	16	1	Fm1
	ugagaucauugCgaaaacuga	13	1	Fm1

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauu	cugagaucauugugaaaacugauuccguugcccccaauc			
	.ugagaucauugugaaaacuCa	3	1	Fm1
			1	
•••••	.cgagaucauugugaaaacuga	17		Fm1
	.ugagaucauugugaaaacugC	53	1	Fm1
	.ugagaucauugugGaaacuga	21	1	Fm1
	.ugagaucauugugaaaGcuga	110	1	Fm1
•••••	.ugagaucGuugugaaaacuga	77	1	Fm1
	.uNagaucauugugaaaacuga	2	1	Fm1
	.ugagaucauugugaaaNcuga	1	1	Fm1
	.ugagaucauugugaaGacuga	10	1	Fm1
•••••	.ugagaucUuugugaaaacuga	20	1	Fm1
	.ugagaucauGgugaaaacuga	2	1	Fm1
	.ugagaucauugugaaaacAga	3	1	Fm1
	.ugagaucauugGgaaaacuga	2	1	Fm1
•••••	.ugagauAauugugaaaacuga	6	1	Fm1
	.ugagaucauugugaaaacugG	4306	1	Fm1
	.ugagaucauugAgaaaacuga	3	1	Fm1
	.ugagaucauuguCaaaacuga	5	1	Fm1
•••••	.ugagaucauuCugaaaacuga	97	1	Fm1
	.ugagaucaCugugaaaacuga	5	1	Fm1
	.ugagCucauugugaaaacuga	15	1	Fm1
	.ugagaNcauugugaaaacuga	17	1	Fm1
•••••	.ugagaGcauugugaaaacuga	2	1	Fm1
	.ugagaucauuUugaaaacuga	72	1	Fm1
	.ugagaucauuguAaaaacuga	12	1	Fm1
	.ugagaucauugugaaaCcuga	130	1	Fm1
•••••	.ugUgaucauugugaaaacuga	14	1	Fm1
	.ugagauGauugugaaaacuga	4	1	Fm1
	.ugagauNauugugaaaacuga	2	1	Fm1
	.ugagaucauugugaUaacuga	4	1	Fm1
•••••	.ugCgaucauugugaaaacuga	8	1	Fm1
	.ugagaucauugugCaaacuga	4	1	Fm1
	.ugagaucCuugugaaaacuga	3	1	Fm1
	.ugaCaucauugugaaaacuga	5	1	Fm1
		450	1	Fm1
	.ugagaucauugugaaaaUuga			
•••••	.uAagaucauugugaaaacuga	33	1	Fm1
	.ugagaucauugugaaaacuUa	13	1	Fm1
	.ugagaucauuAugaaaacuga	167	1	Fm1
	.ugagaucauAgugaaaacuga	4	1	Fm1
•••••	.uCagaucauugugaaaacuga	6	1	Fm1
	.ugagauUauugugaaaacuga	29	1	Fm1
	.ugagaAcauugugaaaacuga	7	1	Fm1
	.ugNgaucauugugaaaacuga	1	1	Fm1
•••••	.ugagaucauugugaaaaGuga	383	1	Fm1
	.Ngagaucauugugaaaacuga	45	1	Fm1
	.ugagaucauugugaGaacuga	10	1	Fm1
	.ugaAaucauugugaaaacuga	11	1	Fm1
	.ugagaucauuguUaaaacuga	9	1	Fm1
	.ugagaucauugugaGaacugau	13	1	Fm1
	.ugCgaucauugugaaaacugau	12	1	Fm1
	.ugaAaucauugugaaaacugau	10	1	Fm1
		19	1	Fm1
	.ugGgaucauugugaaaacugau	36	1	Fm1
	.ugagaucauAgugaaaacugau	9	1	Fm1
	.ugagauGauugugaaaacugau	4	1	Fm1
		170	1	Fm1
••••••	. Gagaucauugugaaaacugau	1	1	Fm1
	.ugagaNcauugugaaaacugau	13	1	Fm1
	.ugagaucauugugaaaacAgau	3	1	Fm1
		10	1	Fm1
•••••		3	1	Fm1
	.ugagaucauuUugaaaacugau	74	1	Fm1
	.ugagaucauugugaaaaUugau	522	1	Fm1
	.ugagaucauugugaaUacugau	8	1	Fm1
			1	
•••••		40		Fm1
	.ugagaucauuguAaaaacugau	9	1	Fm1
	.ugagCucauugugaaaacugau	28	1	Fm1
	.ugagaucauugugaaaacuAau	7	1	Fm1
		1	1	Fm1
•••••		18	1	Fm1
	.Agagaucauugugaaaacugau	8	1	Fm1

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuc	ugagaucauugugaaaacugauuccguugcccccaauc			
	ugagaucauuguCaaaacugau	5	1	Fm1
		21	1	Fm1
			1	
	ugagaAcauugugaaaacugau	5		Fm1
	ugagaucauugugaaaacugCu	11	1	Fm1
	ugagaucauugugaaaacuUau	11	1	Fm1
	Ngagaucauugugaaaacugau	51	1	Fm1
	ugagaucUuugugaaaacugau	25	1	Fm1
		3	1	Fm1
	ugagaucaAugugaaaacugau			
	ugagaucauugugGaaacugau	17	1	Fm1
	ugagaCcauugugaaaacugau	4	1	Fm1
	ugagaucauugugaaaacCgau	21	1	Fm1
	ugagaucauugugaaaacuCau	3	1	Fm1
	ugagaucaCugugaaaacugau	7	1	Fm1
	ugagaucauuCugaaaacugau	93	1	Fm1
	ugagaucauugugaaaacugaG	15	1	Fm1
	ugagaucGuugugaaaacugau	75	1	Fm1
	ugagaucauCgugaaaacugau	18	1	Fm1
	ugagaucauugAgaaaacugau	10	1	Fm1
	uAagaucauugugaaaacugau	41	1	Fm1
	ugagaucauugugaaaacugaA	760	1	Fm1
	ugagauNauugugaaaacugau	2	1	Fm1
	ugagaucauuAugaaaacugau	211	1	Fm1
	uUagaucauugugaaaacugau	14	1	Fm1
	ugagaucauugugaaCacugau	1	1	Fm1
	ugagaucauugGgaaaacugau	3	1	Fm1
	ugagaucauugugaaaGcugau	157	1	Fm1
	ugaVaucauugugaaaacugau	4	1	Fm1
	ugagaucauGgugaaaacugau	4	1	Fm1
	ugagaucauugugaaaaAugau	923	1	Fm1
	ugagaucauugugaaaacugUu	54	1	Fm1
	ugagaucauuguUaaaacugau	19	1	Fm1
	uCagaucauugugaaaacugau	7	1	Fm1
	ugagaucauugugaCaacugau	2	1	Fm1
	ugagaucauugugaaaCcugau	166	1	Fm1
		6	1	Fm1
	ugagaucauugugaUaacugau			
	ugagaGcauugugaaaacugau	1	1	Fm1
	ugUgaucauugugaaaacugau	17	1	Fm1
	uNagaucauugugaaaacugau	3	1	Fm1
	ugagaucauugugaaaacugaC	30	1	Fm1
	ugagaucauugugCaaacugau	9	1	Fm1
		2	1	Fm1
	ugagaucCuugugaaaacugau			
	ugagauAauugugaaaacugau	9	1	Fm1
	ugagauUauugugaaaacugau	44	1	Fm1
	ugagaucauugCgaaaacugau	29	1	Fm1
	ugagaucauugugaaaacugGu	17	1	Fm1
		105108	0	Fm1
		446	1	Fm1
	ugagaucauugCgaaaacugauu	32	1	Fm1
	uAagaucauugugaaaacugauu	61	1	Fm1
	ugagaucauuguUaaaacugauu	24	1	Fm1
	ugagaucauugugaaaaUugauu	909	1	Fm1
		30	1	Fm1
	ugagaucauugAgaaaacugauu	24	1	Fm1
	ugagaucaGugugaaaacugauu	7	1	Fm1
	ugagaucauugugaGaacugauu	33	1	Fm1
	ugagaucaCugugaaaacugauu	22	1	Fm1
		9	1	Fm1
		1579	1	Fm1
	ugagaucauugugaaaaNugauu	1	1	Fm1
	ugagaucauugugGaaacugauu	42	1	Fm1
	ugagaucGuugugaaaacugauu	346	1	Fm1
		1483	1	Fm1
		28	1	Fm1
	uUagaucauugugaaaacugauu	23	1	Fm1
	ugagaucauugugaaaacuUauu	13	1	Fm1
	ugagaucauugugaaaaGugauu	811	1	Fm1
		21	1	Fm1
		15	1	Fm1
		59	1	Fm1
	ugagaCcauugugaaaacugauu	23	1	Fm1

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuct	ugagaucauugugaaaacugauuccguugcccccaauc			
	ugagaucauGgugaaaacugauu	13	1	Fm1
		23	1	Fm1
	uCagaucauugugaaaacugauu	15	1	Fm1
	ugaCaucauugugaaaacugauu	10	1	Fm1
	ugagaucauuAugaaaacugauu	411	1	Fm1
	Ggagaucauugugaaaacugauu	8	1	Fm1
	ugagaucauugugaaaacugGuu	24	1	Fm1
	ugagaucauugugaaaacugauG	24	1	Fm1
	ugaAaucauugugaaaacugauu	18	1	Fm1
	ugagaucauugugaaaacuCauu	7	1	Fm1
	ugNgaucauugugaaaacugauu	1	1	Fm1
	ugagaucauugugaaaGcugauu	224	1	Fm1
			1	
	ugagaucauuUugaaaacugauu	127		Fm1
	ugagaucauugugaCaacugauu	4	1	Fm1
	ugagauNauugugaaaacugauu	11	1	Fm1
	ugagCucauugugaaaacugauu	45	1	Fm1
	ugaVaucauugugaaaacugauu	9	1	Fm1
	ugagaucUuugugaaaacugauu	37	1	Fm1
	Cgagaucauugugaaaacugauu	65	1	Fm1
	ugagaucauugugaaaacCgauu	18	1	Fm1
	ugagaucauugugaaaacugaAu	47	1	Fm1
	ugagaucaAugugaaaacugauu	13	1	Fm1
	ugagaucauCgugaaaacugauu	30	1	Fm1
	ugagaucauugugCaaacugauu	10	1	Fm1
	ugagUucauugugaaaacugauu	35	1	Fm1
	ugagaucauugugaaaUcugauu	322	1	Fm1
	ugagauUauugugaaaacugauu	71	1	Fm1
	ugagaucauugugaaaCcugauu	318	1	Fm1
		20	1	Fm1
	ugagaucauugugaUaacugauu			
	ugagauAauugugaaaacugauu	6	1	Fm1
	ugagaucauugugaaaacugaGu	7	1	Fm1
	uNagaucauugugaaaacugauu	2	1	Fm1
	ugagaucauugugaaCacugauu	6	1	Fm1
	ugGgaucauugugaaaacugauu	82	1	Fm1
	ugagaucauugugaaaacugCuu	11	1	Fm1
	ugagaucauugugaaaacugauu	186320	0	Fm1
	ugagaucauugGgaaaacugauu	5	1	Fm1
	ugagaAcauugugaaaacugauu	20	1	Fm1
	ugagaucauugugaaaacAgauu	11	1	Fm1
	ugagaucCuugugaaaacugauu	5	1	Fm1
	ugagaucauAgugaaaacugauu	7	1	Fm1
	ugagaucauugugaaaacGgauu	12	1	Fm1
	Ngagaucauugugaaaacugauu	96	1	Fm1
	ugCgaucauugugaaaacugauu	26	1	Fm1
	ugagaGcauugugaaaacugauu	7	1	Fm1
		7	1	Fm1
	ugagaucauugugaaaacugauC	66	1	Fm1
	ugagaucauugugaaGacugauu	24	1	Fm1
	ugagaNcauugugaaaacugauu	23	1	Fm1
	ugUgaucauugugaaaacugauu	32	1	Fm1
		34	1	Fm1
		19	1	Fm1
	ugagaucauuCugaaaacugauu	162	1	Fm1
	ugagaucauugugaaaacugauuc	46	0	Fm1
	ugagaucauugugaaaacugauuU	15122	1	Fm1
	ugagaucauugugaaaacugauuG	88	1	Fm1
		857	1	Fm1
	.Vagaucauugugaaaacu	1	1	Fm1
	.gagaucauugAgaaaacug	1	1	Fm1
	.Aagaucauugugaaaacug	1	1	Fm1
	.gagaucauuAugaaaacug	1	1	Fm1
		1	1	Fm1
		1	1	Fm1
		1	1	Fm1
	.gagaucauugugaaaacug	65	0	Fm1
	.gagaucauugugaaaacuga	5	0	Fm1
	.gagaucauuUugaaaacuga	1	1	Fm1
		3	0	Fm1
		1	1	Fm1
		2		
	.yayaucauugugaaaacugaA	4	1	Fm1

Star Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauucugagaucauugugaaaacugauuccguugcccccaauc			
gagaucauugugaaaacugauu.	20	0	Fm1
	4	1	Fm1
agaucauugugaaaacug.	1	0	Fm1
	1	1	Fm1
	3	1	Fm1
agaucauugugaaaacuga	2	0	Fm1
Ugaucauugugaaaacugau	2	1	Fm1
. Ugaucauugugaaaacugauu	3	1	Fm1
.agaucauugugaaaacugauu	8	0	Fm1
gaucauugugaaaacuga	2	0	Fm1
сиддиничанаандасАниссада	1	1	Fm2
	33	0	Fm2
.cugguuuucauaaugaccuuccaga.			
uuuucauaaugaccuuccaga	10	0	Fm2
.uucugagaucauugugaaa	3	0	Fm2
uucugagaucauugugaaaa	5	0	Fm2
.uucAgagaucauugugaaaa	1	1	Fm2
uucugagaucauugugaaaac	5	0	Fm2
uucugagaucauugugaUaacu.	1	1	Fm2
uucugagaucGuugugaaaacu	2	1	Fm2
.uuAugagaucauugugaaaacu	1	1	Fm2
	2	1	Fm2
.uucugagaucauugugaCaacu	3	1	Fm2
	1	1	Fm2
uucug@gaucauugugaaaacu.			
uuGugagaucauugugaaaacu	1	1	Fm2
uucugagaucauugugCaaacu	6	1	Fm2
uucugagaucauugugaaaacu	1133	0	Fm2
.uucugagaucaGugugaaaacu	1	1	Fm2
uucAgagaucauugugaaaacu	1	1	Fm2
uucugagaucauugugaaGacu.	1	1	Fm2
.uucugagaucauugugGaaacu	1	1	Fm2
.uucugagaucUuugugaaaacu	1	1	Fm2
	1	1	Fm2
.uucugagaucauugugaaaacG.	8	1	Fm2
	1	1	Fm2
uucugNgaucauugugaaaacu			
.uucuAagaucauugugaaaacu.	2	1	Fm2
.uuAugagaucauugugaaaacug	1	1	Fm2
.uucugagaucauugugaaaacuA	2	1	Fm2
	1	1	Fm2
uucugagaucauugugaaaacug.	98	0	Fm2
	19	1	Fm2
uucugagaucauugugaaaacuU			
uucugagaucauugugaGaacug	1	1	Fm2
cugagaucauugugaaaacug	12	0	Fm2
ugagaucauugugaaaaU	5	1	Fm2
ugagaucauugugaaaaA	81	1	Fm2
.ugagaucauugugaaaac.	80	0	Fm2
	95	1	
ugagaucauugugaaaaG			Fm2
.uUagaucauugugaaaacu	3	1	Fm2
uCagaucauugugaaaacu	1	1	Fm2
ugagaucauugugaaaUcu	11	1	Fm2
ugagaucauugugaaaGcu	6	1	Fm2
.ugagaucauugCgaaaacu.	1	1	Fm2
ugagaucauugugaaaacA.	1	1	Fm2
ugagaAcauugugaaaacu	2	1	Fm2
ugagaucauugugaaCacu	1	1	Fm2
ugagauUauugugaaaacu	2	1	Fm2
ugaAaucauugugaaaacu	1	1	Fm2
ugagaucauugugaaUacu	1	1	Fm2
ugagaucauugugaaaaUu.	35	1	Fm2
ugagaucauugAgaaaacu	1	1	Fm2
.ugagaucauugugaaaahu	56	1	Fm2
ugagaucauugugaaaCcu	9	1	Fm2
ugagaNcauugugaaaacu	2	1	Fm2
	1	1	Fm2
ugGgaucauugugaaaacu			
. ugagaucauugugCaaacu	2	1	Fm2
ugagaucauugugaaaacG	57	1	Fm2
ugagUucauugugaaaacu	1	1	Fm2
uAagaucauugugaaaacu	1	1	Fm2
ugagaucauugugaGaacu	1	1	Fm2
	5		
ugagaucauuUugaaaacu	5	1	Fm2

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauu	cugagaucauugugaaaacugauuccguugcccccaauc			
	.ugagaucGuugugaaaacu	27	1	Fm2
		1	1	Fm2
••••••	.ugagaucauugugaaaacC	2	1	Fm2
	.Agagaucauugugaaaacu	1	1	Fm2
	.Ngagaucauugugaaaacu	2	1	Fm2
	.ugagauGauugugaaaacu	1	1	Fm2
	.ugUgaucauugugaaaacu	1	1	Fm2
		1	1	Fm2
	.ugagaCcauugugaaaacu			
	.ugagaucUuugugaaaacu	3	1	Fm2
••••••	.ugagaucauuguAaaaacu	1	1	Fm2
	.Cgagaucauugugaaaacu	2	1	Fm2
	.ugagaucauugugaaaaGu	30	1	Fm2
	.ugagaucauugugaaaacu	5643	0	Fm2
	.ugagGucauugugaaaacu	1	1	Fm2
		7	1	Fm2
	.ugagaucauuCugaaaacu			
••••••	.ugagaucauCgugaaaacug	35	1	Fm2
	.ugagUucauugugaaaacug	27	1	Fm2
	.ugagauNauugugaaaacug	13	1	Fm2
	.Cgagaucauugugaaaacug	60	1	Fm2
	.ugagaucauugugaaaacug	211480	0	Fm2
	.ugagaucauuCugaaaacug	196	1	Fm2
		12	1	Fm2
	.ugagaucaAugugaaaacug			
•••••	.ugagaucauugugaaUacug	12	1	Fm2
	.ugagaucauAgugaaaacug	16	1	Fm2
	.Ngagaucauugugaaaacug	108	1	Fm2
	.ugagauGauugugaaaacug	6	1	Fm2
	.ugagaucauuguAaaaacug	25	1	Fm2
	.ugagaucauugugaaaacuA	311	1	Fm2
	.ugagauAauugugaaaacug	13	1	Fm2
•••••	.ugGgaucauugugaaaacug	46	1	Fm2
	.ugagaucauugugCaaacug	9	1	Fm2
	.ugagaucauugugaGaacug	37	1	Fm2
	.ugUgaucauugugaaaacug	27	1	Fm2
	.ugagaucauugGgaaaacug	9	1	Fm2
	.uAagaucauugugaaaacug	86	1	Fm2
	.ugagaucauugugaaaacCg	27	1	Fm2
•••••	.ugagaAcauugugaaaacug	15	1	Fm2
	.ugagGucauugugaaaacug	37	1	Fm2
	.ugagaucauugugaUaacug	9	1	Fm2
	.ugagaucCuugugaaaacug	3	1	Fm2
	.Agagaucauugugaaaacug	20	1	Fm2
	.ugagaucauugugaaGacug	30	1	Fm2
			1	Fm2
	.ugagaucauugugaaaUcug	380		
•••••	.ugaAaucauugugaaaacug	21	1	Fm2
	.ugagauUauugugaaaacug	66	1	Fm2
	.ugagaGcauugugaaaacug	5	1	Fm2
	.Ggagaucauugugaaaacug	9	1	Fm2
	.ugagaucauugugaaaacuU	533	1	Fm2
		17	1	Fm2
		32	1	Fm2
		24	1	Fm2
	.ugagaucUuugugaaaacug	23	1	Fm2
	.ugagaucauGgugaaaacug	8	1	Fm2
	.ugagCucauugugaaaacug	69	1	Fm2
	.ugagaucauugugaaCacug	6	1	Fm2
		26	1	Fm2
			1	
		255		Fm2
		961	1	Fm2
	.uNagaucauugugaaaacug	1	1	Fm2
	.ugagaucauugugaaaaUug	1035	1	Fm2
	.ugagaucauuUugaaaacug	128	1	Fm2
	.ugagaucaCugugaaaacug	18	1	Fm2
		11	1	Fm2
		34	1	Fm2
		5	1	Fm2
	.ugNgaucauugugaaaacug	2	1	Fm2
	.ugagaucauugAgaaaacug	25	1	Fm2
	.ugagaucaGugugaaaacug	19	1	Fm2
	.uCagaucauugugaaaacug	18	1	Fm2
	.ugagaucauugugGaaacug	28	1	Fm2

Star N	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauucu	gagaucauugugaaaacugauuccguugcccccaauc			
uı	gagaucauugugaaaaGug	994	1	Fm2
		369	1	Fm2
u				
u	gagaucauugugaCaacug	2	1	Fm2
u	gagaucauuguCaaaacug	10	1	Fm2
u	gCgaucauugugaaaacug	8	1	Fm2
น	Wagaucauugugaaaacug	49	1	Fm2
	gagaucauugugUaaacug	43	1	Fm2
u	gagaucauugugaaaaAug	1706	1	Fm2
u	gagaucauuAugaaaacug	388	1	Fm2
u	gagaucGuugugaaaacug	41	1	Fm2
u	gagaucauuguUaaaacug	16	1	Fm2
, m	gagaucCuugugaaaacuga	3	1	Fm2
	gagaucauugugaUaacuga	7	1	Fm2
N	gagaucauugugaaaacuga	47	1	Fm2
u	gaCaucauugugaaaacuga	8	1	Fm2
u	gagaucaAugugaaaacuga	9	1	Fm2
u	gagaucauugugGaaacuga	15	1	Fm2
	gagaucauuguCaaaacuga	8	1	Fm2
	gUgaucauugugaaaacuga	13	1	Fm2
u	gagaucGuugugaaaacuga	105	1	Fm2
u	gagauGauugugaaaacuga	7	1	Fm2
u	gagaucauugugaaaaUuga	529	1	Fm2
	gagaucauugCgaaaacuga	16	1	Fm2
		9	1	Fm2
	gagaucauugugaaaacAga			
u	gagaucauugugaaaacCga	13	1	Fm2
u	gagaucauuCugaaaacuga	97	1	Fm2
u	gagaucaGugugaaaacuga	5	1	Fm2
u	gagaCcauugugaaaacuga	7	1	Fm2
	gagaucauugugaaaacuga	23	1	Fm2
u	gagaucauugugaaaacuga	113491	0	Fm2
u	gagaucauGgugaaaacuga	8	1	Fm2
u	gagaucauugugCaaacuga	6	1	Fm2
u	gaAaucauugugaaaacuga	24	1	Fm2
· · · · · · · · · · · · · · · · · · ·	gagaucauugugaaaacugU	1821	1	Fm2
		2	1	Fm2
	Nagaucauugugaaaacuga			
u	gagaucauugugaaaGcuga	129	1	Fm2
u	gagaucauugugaaaacuUa	35	1	Fm2
u	gagaucauugugaaaacuAa	14	1	Fm2
u	gagaucauugugaCaacuga	1	1	Fm2
	gagaucauugugaGaacuga	18	1	Fm2
		26	1	Fm2
	gagUucauugugaaaacuga			
	gaUaucauugugaaaacuga	15	1	Fm2
u	gagaucauuguAaaaacuga	14	1	Fm2
u	gagaucauCgugaaaacuga	46	1	Fm2
u	gagaucaCugugaaaacuga	19	1	Fm2
u	gagaucauugugaaGacuga	19	1	Fm2
		226	1	
u				Fm2
u	gagaucUuugugaaaacuga	21	1	Fm2
u	gagaucauuUugaaaacuga	67	1	Fm2
A	gagaucauugugaaaacuga	10	1	Fm2
u	Wagaucauugugaaaacuga	29	1	Fm2
u	gagaNcauugugaaaacuga	16	1	Fm2
u		38	1	Fm2
u	gagaucauAgugaaaacuga	6	1	Fm2
u	gagaucauugGgaaaacuga	9	1	Fm2
u	gGgaucauugugaaaacuga	32	1	Fm2
u	gagaucauugugaaaacGga	4	1	Fm2
u		9	1	Fm2
u		2	1	Fm2
u	gagaucauugugaaaacugG	5613	1	Fm2
u	gagauNauugugaaaacuga	5	1	Fm2
u	gagaucauugugUaaacuga	6	1	Fm2
u		7	1	Fm2
ս		7	1	Fm2
u		192	1	Fm2
u	gagGucauugugaaaacuga	16	1	Fm2
u	gagaucauugugaaUacuga	8	1	Fm2
u	gagaucauugugaaaaAuga	970	1	Fm2
u		8	1	Fm2
ս		3	1	Fm2
u		_	-	2 m2

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuc	ugagaucauugugaaaacugauuccguugcccccaauc			
	uCagaucauugugaaaacuga	8	1	Fm2
		2	1	Fm2
	uAagaucauugugaaaacuga	56	1	Fm2
	ugagaucauugugaaaUcuga	218	1	Fm2
	ugagaucauugugaaaNcuga	1	1	Fm2
	ugagaucauugugaaaaGuga	494	1	Fm2
	ugCgaucauugugaaaacuga	6	1	Fm2
			1	
	ugagauUauugugaaaacuga	29		Fm2
	ugNgaucauugugaaaacuga	1	1	Fm2
	ugagaucauuguUaaaacuga	9	1	Fm2
	ugagaucaAugugaaaacugau	4	1	Fm2
	ugagaucauuguAaaaacugau	9	1	Fm2
	uUagaucauugugaaaacugau	20	1	Fm2
	ugagaucauugugaaaacuAau	9	1	Fm2
		19	1	Fm2
	ugaAaucauugugaaaacugau			
	uNagaucauugugaaaacugau	1	1	Fm2
	ugagaucauugugaaaaUugau	503	1	Fm2
	ugagaucauugugaaaacugaA	585	1	Fm2
	ugagaucCuugugaaaacugau	2	1	Fm2
	ugagaucaCugugaaaacugau	9	1	Fm2
	ugagaucauGgugaaaacugau	2	1	Fm2
	ugagaucauugugaaaacGgau	1	1	Fm2
	uAagaucauugugaaaacugau	36	1	Fm2
	ugagaucauugugaaaUcugau	162	1	Fm2
	ugagaNcauugugaaaacugau	16	1	Fm2
	ugagaucauugugaaaacugaG	6	1	Fm2
	ugagaucauugugaaaacuCau	6	1	Fm2
	ugagaucauuguCaaaacugau	4	1	Fm2
		12	1	Fm2
	ugUgaucauugugaaaacugau			
	ugagaucauCgugaaaacugau	16	1	Fm2
	ugagaucauugugaaaCcugau	187	1	Fm2
	ugCgaucauugugaaaacugau	9	1	Fm2
	Cgagaucauugugaaaacugau	43	1	Fm2
	ugagaGcauugugaaaacugau	7	1	Fm2
	ugagaucauugugaaaacugCu	1	1	Fm2
	ugagCucauugugaaaacugau	30	1	Fm2
	ugagaucauugugaaUacugau	16	1	Fm2
	ugGgaucauugugaaaacugau	29	1	Fm2
	ugagaucauuCugaaaacugau	93	1	Fm2
	ugagUucauugugaaaacugau	14	1	Fm2
	ugagaucauugugaaaacugaC	22	1	Fm2
	ugagaucauugugCaaacugau	7	1	Fm2
	ugagaucauugAgaaaacugau	15	1	Fm2
	ugagaucauuAugaaaacugau	206	1	Fm2
		2	1	Fm2
	uCagaucauugugaaaacugau	12	1	Fm2
	ugagaucGuugugaaaacugau	50	1	Fm2
	ugagaucauugGgaaaacugau	6	1	Fm2
	ugagaucauugugGaaacugau	12	1	Fm2
	ugagaucauugugaaGacugau	10	1	Fm2
		3	1	Fm2
		101226	0	Fm2
	ugagauGauugugaaaacugau	2	1	Fm2
	ugagGucauugugaaaacugau	15	1	Fm2
	ugagaucauuUugaaaacugau	72	1	Fm2
	ugagauUauugugaaaacugau	29	1	Fm2
	ugagaucauugugUaaacugau	16	1	Fm2
		11	1	Fm2
			1	Fm2
		7		
		15	1	Fm2
	ugagaucauugugaaaacCgau	7	1	Fm2
	ugagaucauugugaGaacugau	9	1	Fm2
	ugagaucauugugaaaGcugau	150	1	Fm2
	ugagaucauugCgaaaacugau	21	1	Fm2
		1	1	Fm2
		26	1	Fm2
			1	
		2		Fm2
		1	1	Fm2
		1	1	Fm2
	ugagaucUuugugaaaacugau	20	1	Fm2

Scar	Macure			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauuc	ugagaucauugugaaaacugauuccguugcccccaauc			
	ugaVaucauugugaaaacugau	5	1	Fm2
	Ngagaucauugugaaaacugau	45	1	Fm2
	ugagaucauAgugaaaacugau	9	1	Fm2
	ugagaCcauugugaaaacugau	18	1	Fm2
	ugagaucauugugaaaacugUu	12	1	Fm2
· · · · · · · · · · · · · · · · · · ·	ugagaucauugugaaaaGugau	429	1	Fm2
	ugagaucauugugaaaaAugau	797	1	Fm2
	ugagaAcauugugaaaacugau	10	1	Fm2
	ugagaucauugugaaaacugGu	4	1	Fm2
	ugaCaucauugugaaaacugau	4	1	Fm2
	ugagaucaCugugaaaacugauu	22	1	Fm2
	ugagaucauugugaaaacugauC	21	1	Fm2
	ugagaucauugugaaaacugCuu	5	1	Fm2
	ugagaucauugugaaCacugauu	5	1	Fm2
		27	1	Fm2
	ugUgaucauugugaaaacugauu			
	ugagaucUuugugaaaacugauu	24	1	Fm2
	ugagCucauugugaaaacugauu	51	1	Fm2
	ugagaucauugGgaaaacugauu	4	1	Fm2
	ugagaucauugugaaaacAgauu	6	1	Fm2
		31	1	Fm2
	ugagaucauugugaaaacugaAu			
	ugagaucaGugugaaaacugauu	9	1	Fm2
	ugagauNauugugaaaacugauu	8	1	Fm2
	ugagaucauugugaaaacugaGu	2	1	Fm2
	Ggagaucauugugaaaacugauu	3	1	Fm2
	ugagaucauugugUaaacugauu	38	1	Fm2
	ugagaucauugAgaaaacugauu	9	1	Fm2
	uUagaucauugugaaaacugauu	36	1	Fm2
	ugaCaucauugugaaaacugauu	6	1	Fm2
	ugagaucauugugaaaGcugauu	178	1	Fm2
	ugagaucauugugaaaaGugauu	627	1	Fm2
			1	
	ugagaucauCgugaaaacugauu	22		Fm2
	Ngagaucauugugaaaacugauu	72	1	Fm2
	ugagaucauugCgaaaacugauu	17	1	Fm2
	ugagaAcauugugaaaacugauu	25	1	Fm2
	ugCgaucauugugaaaacugauu	13	1	Fm2
		6	1	Fm2
	ugagauAauugugaaaacugauu			
	ugagaucauugugaaaacugauA	1569	1	Fm2
	ugagaucauuAugaaaacugauu	290	1	Fm2
	Cgagaucauugugaaaacugauu	32	1	Fm2
	ugagaucauugugaaaUcugauu	319	1	Fm2
	ugagaucCuugugaaaacugauu	2	1	Fm2
	ugagUucauugugaaaacugauu	32	1	Fm2
	ugagaucauugugaaaacuCauu	9	1	Fm2
	ugagaucauugugaGaacugauu	27	1	Fm2
	ugagaucauuUugaaaacugauu	100	1	Fm2
		1	1	Fm2
		27	1	Fm2
	ugagaucaAugugaaaacugauu	9	1	Fm2
	Agagaucauugugaaaacugauu	16	1	Fm2
	ugagaucauugugaaaacugGuu	7	1	Fm2
	ugaAaucauugugaaaacugauu	19	1	Fm2
		281	1	Fm2
		7	1	Fm2
	ugagaucauugugaaaaAugauu	1217	1	Fm2
	ugagaucauugugaUaacugauu	8	1	Fm2
	ugagaucauugugCaaacugauu	9	1	Fm2
	ugagaugauGgugaaaagugauu	4	1	Fm2
			1	Fm2
		10		
	ugagauGauugugaaaacugauu	8	1	Fm2
	ugagaucauuguUaaaacugauu	12	1	Fm2
	ugagaucauugugaaaacuAauu	7	1	Fm2
	ugagaNcauugugaaaacugauu	23	1	Fm2
		3	1	Fm2
		23	1	Fm2
	ugagaucauugugaaaacuUauu	27	1	Fm2
	uAagaucauugugaaaacugauu	63	1	Fm2
	ugagaucauuguAaaaacugauu	15	1	Fm2
	ugagaucauugugaaaacGgauu	4	1	Fm2
		21	1	Fm2
	ugagauUauugugaaaacugauu	98	1	Fm2

Star	Mature			
uguuggcuguaaugaugaccuucagacgaaacugguuuucauaaugaccuuccagauuguugugcuauucu	ugagaucauugugaaaacugauuceguugcccccaauc			
u	ugaUaucauugugaaaacugauu	7	1	Fm2
	ugGgaucauugugaaaacugauu	42	1	Fm2
	ugagaucauugugaaGacugauu	21	1	Fm2
u	ugagGucauugugaaaacugauu	21	1	Fm2
	ugagaucauugugaaaacugUuu	14	1	Fm2
	uNagaucauugugaaaacugauu	1	1	Fm2
	ugagaucauuCugaaaacugauu	162	1	Fm2
	ugagaGcauugugaaaacugauu	6	1	Fm2
u	ugagaucauugugaaaacugauu	143811	0	Fm2
u	ugagaucauugugaaaaUugauu	705	1	Fm2
u	ugagaucauAgugaaaacugauu	10	1	Fm2
u	ugagaucauugugaaaacugaCu	16	1	Fm2
u	ugagaucauugugaaaCcugauu	248	1	Fm2
u	uCagaucauugugaaaacugauu	10	1	Fm2
u	ugagaucauugugaaUacugauu	17	1	Fm2
u	ugagaucauugugaaaacugauuA	790	1	Fm2
u	ugagaucauugugaaaacugauuG	61	1	Fm2
u	ugagaucauugugaaaacugauuc	59	0	Fm2
u	ugagaucauugugaaaacugauuU	13895	1	Fm2
u	ugagaucauugugaaaacugauucU	7	1	Fm2
	.gagaucauugugaaaaAug	1	1	Fm2
	.gagaucauugugaaaacuU	1	1	Fm2
	.gagaucauugCgaaaacug	1	1	Fm2
	.gagaucauugugaaaacGg	1	1	Fm2
	.gagaucauugugaaaacug	43	0	Fm2
	.Uagaucauugugaaaacug	7	1	Fm2
	.Uagaucauugugaaaacuga	2	1	Fm2
	.gagaucauugugaaaacuga	5	0	Fm2
	.Uagaucauugugaaaacugau	5	1	Fm2
	.gagaucauugugaaaacugau	3	0	Fm2
	.gagaucauugugCaaacugauu	1	1	Fm2
	.Uagaucauugugaaaacugauu	3	1	Fm2
	Ugaucauugugaaaacugau	1	1	Fm2
	Ugaucauugugaaaacugauu	4	1	Fm2
	agaucauugugaaaacugauu	2	0	Fm2