



Mature

5'	-3'	obs	
	exp		sample
auuguccgugucgucugcauggcaaaagugcuaagaccgcguggcgugugaguuuuuucuuacucuuauccucacgucggggucaccaauauaguguuucgaguuugucg			
auuguccgugucgucugcauggcaaaagugcuaagaccgcguggcgugugaguuuuuucuuacucuuauccucacgucggggucaccaauauaguguuucgaguuugucg			
.(((.((((.(.....))))))))).(((.(.(.(((.(.)).)))))).))))).(((.....)))	reads	mm	
.....uggcaaaagugcuaagaccgcguggcgu.....	1	0	E03
.....Gucacgucggggucacca.....	139	1	E03
.....ucacgucggggucaccaauauagu.....	1	0	E03
.....ucacgucggggucaccaauauagugu.....	1	0	E03
.....cucacgucggggucaccG.....	1	1	H44
.....Gucacgucggggucacca.....	247	1	H44
.....ucacgucggggucaccaauauag.....	1	0	H44
.....cacgucggggucaccaauauaguguuc.....	1	0	H44
.....Gucacgucggggucacca.....	16	1	B04
.....ugcauggcaaaagugcuaagaccgcgu.....	1	0	H63
.....uggcaaaagugcuaagaccgcguggcgu.....	1	0	H63
.....aaagugcuaagaccgcguggcgugugaguuu.....	1	0	H63
.....Gucacgucggggucacca.....	10	1	H63
.....ucacgucggggucaccaauauaguguu.....	1	0	H63
.....cGucacgucggggucacca.....	1	1	H43
.....cucacgucggggucacca.....	1	0	H43
.....Gucacgucggggucacca.....	260	1	H43
.....ucacgucggggucaccaauau.....	1	0	H43
.....ucacgucggggucacUaauaau.....	1	1	H43
.....gcguggcgugaguuuuuucU.....	1	1	H01
.....Gucacgucggggucacca.....	111	1	H01
.....ucacgucggggucaccaC.....	1	1	H01
.....Gucacgucggggucacca.....	25	1	B01
.....ucacgucggggucaccaauaua.....	1	0	B01
.....ucacgucggggucaccaauauaguguu.....	1	0	B01
.....Gucacgucggggucacca.....	2	1	R74

Star

Mature

auuguccgugucgucuuugcauggcaaaagugcuaagaccgugggcguguaguuuuuuucuuacucuuuucucacgucggggucaccaauauaguguucgaguugucg

.....ucacgucggggucaccaauauagugu.....	1	0	R74
.....Gucacgucggggucacca.....	323	1	H53
.....cucacgucggggucacca.....	1	0	H33
.....Gucacgucggggucacca.....	134	1	H33
.....ucacgucggggucaccaauua.....	2	0	H33
.....Gucacgucggggucacca.....	153	1	H54
.....cucacgucggggucacca.....	1	0	H54
.....ucacgucggggucaccaauu.....	1	0	H54
.....Gucacgucggggucacca.....	10	1	B13
.....cucacgucggggucacca.....	1	0	B13
.....ucacgucggggucaccaauauaguguU.....	1	1	R72
.....cucacgucggggucacca.....	1	0	A23
.....Gucacgucggggucacca.....	32	1	A23
.....aucGucacgucggggucacca.....	1	1	H13
.....Acucacgucggggucacc.....	1	1	H13
.....cGucacgucggggucacca.....	1	1	H13
.....Gucacgucggggucacca.....	422	1	H13
.....Gucacgucggggucacca.....	71	1	A42
.....Gucacgucggggucacca.....	10	1	A52
.....Gucacgucggggucacca.....	127	1	H64
.....Gucacgucggggucacca.....	76	1	E21
.....ucacgucggggucacUaa.....	1	1	E21
.....ucacgucggggucacUaaauua.....	3	1	E21
.....ucacgucggggucaccaauua.....	5	0	E21
.....ucacgucggggucaccaauuag.....	1	0	E21
.....ucacgucggggucaccaauauagugu.....	1	0	E21
.....ucacgucggggucaccaauauaguguuc.....	1	0	E21
.....Gucacgucggggucacca.....	131	1	E11
.....Uucacgucggggucacca.....	1	1	E11
.....ucacgucggggucaccaauaA.....	1	1	E11
.....ucacgucggggucaccaauua.....	1	0	E11
.....cucacgucggggucacca.....	1	0	H22
.....Gucacgucggggucacca.....	297	1	H22
.....ucacgucgggUucaccaauua.....	1	1	H22
.....ucacgucggggucaccaauua.....	3	0	H22
.....Gucacgucggggucacca.....	23	1	A24
.....Gucacgucggggucacca.....	66	1	H61
.....cucacgucggggucacca.....	1	0	H61
.....Gucacgucggggucacca.....	20	1	A61
.....ugcauggcaaaaagugcuaagaccgcu.....	1	0	E23
.....uggcaaaaagugcuaagaccgugggcu.....	2	0	E23
.....agaccgugggcguguagu.....	1	0	E23
.....Gucacgucggggucacca.....	30	1	E23
.....ucacgucggggucaccaauua.....	1	0	E23
.....ucacgucggggucaccaauauagugu.....	2	0	E23
.....ugcuaagaccgugggcguguaguuu.....	1	0	E22
.....Gucacgucggggucacca.....	22	1	E22
.....cucacgucggggucacca.....	1	0	E22
.....ucacgucggggucaccaa.....	2	0	E22
.....aCaagugcuaagaccgugggcg.....	2	1	B02
.....Gucacgucggggucacca.....	1	1	B02

Star

Mature

auuguccgugucgucuugcgaugggcaaaagugcuaagacccgugggcguguaguuuuuuucuuaacucuuaucucacgucgggggucaccaauauaguguucgaguugucg			
.....ucacgucgggggucaccaC.....	1	1	B02
.....uggcaaaagugcuaagacccgugggcgU.....	1	1	H21
.....Gucacgucgggggucacca.....	122	1	H21
.....ugcgaugggcaaaagugcuaagacccgug.....	1	0	H02
.....uggcaaaagugcuaagacccgugggcgU.....	1	0	H02
.....Acucacgucgggggucacca.....	1	1	H02
.....cucacgucgggggucacca.....	1	0	H02
.....Gucacgucgggggucacca.....	38	1	H02
.....ugcuaagacccgugggcguguaguuu.....	1	0	H32
.....Gucacgucgggggucacca.....	34	1	H32
.....ucacgucgggggucaccaauauaguguu.....	2	0	H32
.....cucacgucgggggucacca.....	1	0	H52
.....Gucacgucgggggucacca.....	114	1	H52
.....ucacgucgggggucaccaauauagu.....	1	0	H52
.....cucacgucgggggucacca.....	1	0	H72
.....ucacgucgggggucaccaauaua.....	1	0	H72
.....ucacgucgggggucaccaauauagu.....	1	0	H72
.....ucacgucgggggucaccaauauagugu.....	1	0	H72
.....ucacgucgggggucaccaauauaguguu.....	2	0	H72
.....uggcaaaagugcuaagaccg.....	1	0	R71
.....ucacgucgggggucaccaauauaUu.....	1	1	R71
.....Gucacgucgggggucacca.....	42	1	A31
.....uggcaaaagugcuaagacccgugggcgU.....	1	0	H24
.....Gucacgucgggggucacca.....	89	1	H24
.....cucacgucgggggucacca.....	1	0	H24
.....ucacgucgggggucaccaa.....	2	0	H24
.....ucacgucgggggucaccaaua.....	1	0	H24
.....ucacgucgggggucaccaauua.....	8	0	H24
.....ucacgucgggggucaccaauauagugu.....	1	0	H24
.....ucacgucgggggucaccaauauaguguu.....	3	0	H24
.....ucacgucgggggucaccaauauaguguu.....	1	0	H24
.....ucacgucgggggucaccaauauaguguuU.....	1	1	H24
.....Gucacgucgggggucacca.....	271	1	H51
.....ucacgucgggggucaccaC.....	1	1	H51
.....ucacgucgggggucaccaa.....	1	0	H51
.....ucacgucgggggucaccaau.....	1	0	H51
.....ucacgucgggggucaccaaua.....	2	0	H51
.....ucacgucgggggucacUaaauua.....	6	1	H51
.....ucacgucgggggucaccaauua.....	6	0	H51
.....cacgucgggggucaccaauua.....	1	0	H51
.....Gucacgucgggggucacca.....	55	1	A22
.....uggcaaaagugcuaagacccgugggcgU.....	1	0	H14
.....caaaagugcuaagacccgugggcgU.....	1	0	H14
.....aCaagugcuaagacccgugggcg.....	1	1	H14
.....Gucacgucgggggucacca.....	66	1	H14
.....ucacgucgggggucaccaauua.....	3	0	H14
.....ucacgucgggggucacUaaauua.....	3	1	H14
.....ucacgucgggggucaccaauuaA.....	1	1	H14
.....ucacgucgggggucaccaGauaguguu.....	1	1	H14
.....uggcaaaagugcuaagacAgcgugggcgU.....	1	1	A63
.....Gucacgucgggggucacca.....	4	1	A63
.....Gucacgucgggggucacca.....	43	1	H12
.....Gucacgucgggggucacca.....	2	1	T72
.....Gucacgucgggggucacca.....	67	1	A12
.....Gucacgucgggggucacca.....	24	1	B03

Star

Mature

auuguccgugucgucguugcgaugggcaaaagugcuaagaccgcguggcguguaguuuuuucuuacucuuauccucacgucggggucaccaauauaguguucgaguugucg

.....uggcaaaagugcuaagaccgcguggcgu.....	1	0	H23
.....agaccgcguggcguguaguuuuuucuuacucu.....	1	0	H23
.....Ucucacgucggggucacca.....	1	1	H23
.....Gucacgucggggucacca.....	103	1	H23
.....ucacgucggggucaccaauua.....	1	0	H23
.....Gucacgucggggucacca.....	52	1	A54
.....ucacgucggggucacca.....	1	0	A54
.....ugcgaugggcaaaagugcuaagaccgcgu.....	1	0	H03
.....accgcguggcguguaguuuuuucuuacucuua.....	1	0	H03
.....Gucacgucggggucacca.....	6	1	H03
.....ucacgucggggucaccaaua.....	1	0	H03
.....ucacgucggggucacUaaua.....	1	1	H03
.....ucacgucggggucaccaauau.....	3	0	H03
.....ucacgucggggucacUaauua.....	12	1	H03
.....ucacgucggggucaccaauua.....	11	0	H03
.....ucacgucggggucaccaauuag.....	3	0	H03
.....ucacgucggggucaccaauuagu.....	2	0	H03
.....ucacgucggggucaccaauuagugu.....	4	0	H03
.....ucacgucggggucaccaauuaguguu.....	4	0	H03
.....ucacgucggggucaccCauuaguguu.....	1	1	H03
.....ucacgucggggucaccaauuaguguuc.....	2	0	H03
.....ucacgucggggucaccaauuaguguucU.....	4	1	H03
.....acgucggggucaccaauua.....	1	0	H03
.....Gucacgucggggucacca.....	17	1	A43
.....Gucacgucggggucacca.....	27	1	B11
.....Gucacgucggggucacca.....	61	1	E01
.....cGcacgucggggucacca.....	1	1	E01
.....cucacgucggggucacca.....	2	0	E01
.....ucacgucggggucaccaauu.....	1	0	E01
.....ucacgucggggucaccaauua.....	1	0	E01
.....cacgucggggucaccaauua.....	1	0	E01
.....ucgucuugcgaugggcaaaagugcuaagaccgcguggcguguaguuuuuuc.....	1	0	E13
.....Gucacgucggggucacca.....	83	1	E13
.....ucacgucggggucaccaa.....	1	0	E13
.....ucacgucggggucaccaauua.....	2	0	E13
.....gcguggcguguaguuuuuuc.....	1	0	A44
.....cGucacgucggggucacca.....	1	1	A44
.....Gucacgucggggucacca.....	77	1	A44
.....Uucacgucggggucacca.....	1	1	A44
.....Gucacgucggggucacca.....	11	1	A01
.....ucacgucggggucaccaC.....	1	1	A01
.....Gucacgucggggucacca.....	7	1	A11
.....cucacgucggggucacca.....	1	0	H71
.....Gucacgucggggucacca.....	58	1	H34
.....ugcgaugggcaaaagugcuaagaccgcgug.....	1	0	T71
.....Gucacgucggggucacca.....	20	1	A64
.....Gucacgucggggucacca.....	5	1	A02
.....Gucacgucggggucacca.....	15	1	B14
.....Gucacgucggggucacca.....	32	1	A51
.....Gucacgucggggucacca.....	18	1	B12
.....cacgucggggucaccaauua.....	1	0	B12
.....cucacgucggggucacca.....	1	0	E02

Star

Mature

auuguccgugucgucuuugcauggcaaaagucuaagaccgcgugugcguuuuuuucuuaucuuuuccucacgucggggucaccaauauagugucgaguugucg			
.....Uucacgucggggucacca.....	1	1	E02
.....Gucacgucggggucacca.....	50	1	E02
.....Gucacgucggggucacca.....	1	1	E72
.....Uucacgucggggucacca.....	1	1	E72
.....ucacgucggggucaccaauauaguguU.....	1	1	E72
.....ugcauggcaaaagucuaagaccgcgu.....	1	0	A13
.....Gucacgucggggucacca.....	15	1	A13
.....uggcaaaagucuaagaccgcgug.....	1	0	E74
.....uggcaaaagucuaagaccgcguggcgu.....	1	0	E74
.....ucacgucggggucaccaauauaguguu.....	1	0	E74
.....ucacgucggggucaccaauauaguguu.....	1	0	E74
.....cGucacgucggggucacca.....	1	1	A62
.....Gucacgucggggucacca.....	38	1	A62
.....ucacgucggggucacUaauua.....	1	1	A62
.....cGucacgucggggucacc.....	1	1	E04
.....Gucacgucggggucacca.....	184	1	E04
.....Acucacgucggggucacc.....	1	1	T74
.....Gucacgucggggucacca.....	3	1	T74
.....ucacgucggggucaccaau.....	1	0	T74
.....ucacgucggggucaccaauauaguguu.....	1	0	T74
.....uggcaaaagucuaagaccgcguggcgu.....	1	0	E14
.....Gucacgucggggucacca.....	32	1	E14
.....uggcaaaagucuaagaccgcguggcgu.....	1	0	E24
.....Gucacgucggggucacca.....	28	1	E24
.....ucacgucggggucacca.....	1	0	E24
.....ucacgucggggucaccaaua.....	1	0	E24
.....ucacgucggggucaccaauu.....	1	0	E24
.....ucacgucggggucaccaauauaguguu.....	1	0	E24
.....ucacgucggggucaccaauauaguguu.....	1	0	E24
.....Gucacgucggggucacca.....	129	1	H41
.....cucacgucggggucacca.....	1	0	H41
.....Gucacgucggggucacca.....	16	1	A04
.....gcguggcguguaguuuuuuc.....	1	0	A21
.....Gucacgucggggucacca.....	125	1	A21
.....uggcaaaagucuaagaccgcguggcguU.....	1	1	A34
.....Gucacgucggggucacca.....	21	1	A34
.....Uucacgucggggucacca.....	1	1	A34
.....Gucacgucggggucacca.....	20	1	A33
.....ucacgucggggucacUaauua.....	5	1	R73
.....ucacgucggggucaccaauua.....	1	0	R73
.....ucacgucggggucaccaauauag.....	1	0	R73
.....ucacgucggggucaccaauuaA.....	2	1	R73
.....ucacgucggggucaccaauauagugu.....	1	0	R73
.....ugcauggcaaaagucuaagaccgcguU.....	1	1	H62
.....Gucacgucggggucacca.....	46	1	H62
.....ucacgucggggucacUaauua.....	1	1	H62
.....uggcaaaagucuaagaccgcguggcgu.....	1	0	A53
.....Gucacgucggggucacca.....	66	1	A53
.....Gucacgucggggucacca.....	67	1	H11
.....Gucacgucggggucacca.....	1	1	H11
.....ucacgucggggucaccaauauaguguu.....	1	0	H11
.....Gucacgucggggucacca.....	73	1	E12

Star

Mature

auuguccgugucgucuuugcauggcaaaagugcuaagacgcgugggcguguaguuuuuuucuuaucuuauccucacgucggggucaccaauauaguguucgaguugucg			
.....uggcaaaagugcuaagacgcgugggcgu.....	1	0	H42
.....Gucacgucggggucacca.....	237	1	H42
.....Gucacgucggggucacca.....	27	1	A41
.....Gucacgucggggucacca.....	61	1	H04
.....Gucacgucggggucacca.....	40	1	A32
.....ucacgucggggucacUaauua.....	1	1	A32