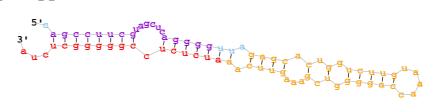
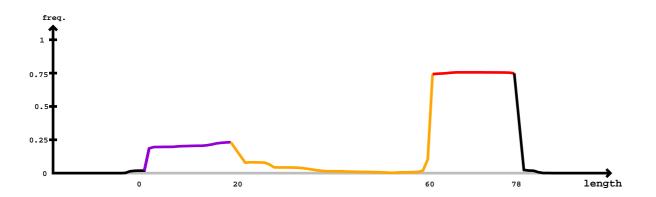
Provisional ID : Montipora_capitata_HIv3___Scaffold_9_619840

Score total : 1125.4
Score for star read(s) : 3.9
Score for read counts : 1124.8
Score for mfe : -1

Score for read counts : 1124.8 Score for mfe : -1 Score for randfold : -2.2 Score for cons. seed :

Total read count : 2218
Mature read count : 1760
Loop read count : 24
Star read count : 434





Star Mature

5'- caacggaaagugucauccagccuucguagcucagggguuagagcacuggucuuguaaaccaggggucgaaaguuc

- caacggaaagugucauccagccuucgu	ageneaggggunagageaeuggueungnaaaeeagggguegaaaguneaaaneueueegggggenenaeunnaueanneeacunnun	-3. 008	•	
caacggaaagugucauccagccuucgu	agcucagggguuagagcacuggucuuguaaaccaggggucgaaaguucaaaucucuccgggggcucuacuuuaucauuccacuuuuu	exp	P	
((((.((((((((((((((((((((((((((((((((((((((((((((reads	mm	sample
agccuuUgu	agcucaggg	1	1	s 09
agccuucgu	agcucaggg	10	0	s 09
agccuucgu	agcucagggA	1	1	s09
agccuucgu	agcucagggg	13	0	s09
agccuucgu	agcucaggggu	2	0	s09
agccuucgu	agcucaggggAuagagc	1	1	s09
	agggguuagagcacuggA	2	1	s09
	aguucaaaucucuccgggggcucCa	1	1	s09
	aaaucucuccgggggcucCa	7	1	s09
	aaucucuccgggggcucCa	32	1	s09
	aucucuccgggggcucCa	76	1	s09
auccagccuucgu	agcucagggguuagagc	1	0	s85
agccuucgu	agcucaggg	14	0	s 85
agccuucgu	Cgcucaggg	1	1	s 85
agccuucgu	agcucagUg	4	1	s 85
agccuucgu	agcucaggA	1	1	s 85
agccuucgu	agcucagAgg	1	1	s 85
agccuucgu	agcucagggg	9	0	s85
agccuucgu	agcucagUgguuagag	1	1	s 85
agccuucgu	agcucagUgguuagagcacug	1	1	s 85
Accuucgu	agcucagggg	1	1	s85
gccuucgu	agcucagggg	2	0	s 85
	Agguuagagcacuggucu	1	1	s 85
	Agucuuguaaaccaggggucg	1	1	s 85
	aaaucucuccgggggcucCa	2	1	s 85
	aaucucuccgggggcucC	2	1	s 85
	aaucucuccgggggcucCa	5	1	s 85
	aucucuccgggggcucCa	208	1	s85
auUcagccuucgu	agcucagggguuagag	1	1	s60
auccagccuucgu	agcucagggguuagag	1	0	s60
	agcucagggguuagagc	5	0	s60

caacggaaagugucauccagccuucguagcucagggguuagagcacuggucuuguaaaccaggggucgaaaguucaa <mark>aucucuccgggggcucuacuuuauca</mark> uuccacuuuuu			
Accagccuucguagcucaggggu	1	1	s 60
uccagccuucguagcucagggguuagag	1	0	s 60
Accagcuucguagcucagggguuagagc.	1	1	s 60
	1	0	s 60
ccagccuucguagcucagggguuagagc.			
.agccuucguagcucagUg.	1	1	s 60
agccuuGguagcucaggg	1	1	s 60
agccuucguagcucaggg	14	0	s 60
agecuucguagcucagggg	15	0	s 60
agccuucguaAcucagggg.	2	1	s 60
agccuucguagcucagUgg	2	1	s 60
	1	1	
agccuuUguagcucagggg.			s 60
agccuucguagcucaAggg.	1	1	ສ60
agccuucguagcucaggggAuagag	2	1	s 60
agccuucguagcucagUgguuagag	3	1	s 60
agccuucguagcucagUgguuagagc.	2	1	s 60
agccuucguagcucaggggAuagagc.	1	1	s 60
	1	1	s 60
agccuucguagcucagUgguuagagca			
gccuucguagcucagggg.	1	0	s 60
	2	1	s 60
	1	1	s 60
Acagggguuagagcacuggucuu	1	1	s60
	2	1	s 60
	1	1	s 60
	1	1	
Aggguuagagcacuggucuu			s 60
Aggguuagagcacuggucuug	1	1	ສ60
ggggAuagagcacuggucuug	1	1	s 60
Agguuagagcacuggucuug.	1	1	s 60
gguuagagcacuggucuu	1	0	s 60
acuggucGuguaaaccaggggucga	1	1	s 60
	1	1	s 60
Aggucuuguaaaccaggg			
Aucuuguaaaccagggguc.	1	1	s 60
Auguaaaccaggggucga	1	1	s 60
aaguucaaaucucuccggggg	1	0	s 60
aguucaaaucuAuccgggggcucuacuuu	2	1	s60
.Acaaaucucucgggggcuc	1	1	s 60
Acaaaucucuccggggggcucu	1	1	s 60
	1	0	s 60
aaaucucucegggggcuc		U	860
aaaucucuccgggggcucCa.	1		
		1	s 60
aaucucuccgggggcucCaaaucucuccgggggcucCa	20	1 1	s60 s60
.aaucucucgggggcucCaaucucucgggggcucCa			
	20	1	s 60
aucucucegggggcucCaaucucucegggggcucuacu	20 189	1 1	ສ60 ສ60 ສ60
aucucucegggggcucCa. aucucucegggggcucuacu. aucucuceggggggcucuacuuu.	20 189 2 1	1 1 0	s60 s60 s60
aucucucgggggcucCa. aucucucgggggcucuacu. aucucucggggggcucuacuuu. Aucuccggggggcucuacu.	20 189 2 1	1 1 0 0	s60 s60 s60 s60
aucucucegggggcucCa aucucucegggggcucuacu aucucucegggggcucuacu Aucucegggggcucuacu Acucegggggcucuacuuu	20 189 2 1 2	1 1 0 0 1	s60 s60 s60 s60 s60
aucucucgggggcucCa. aucucucgggggcucuacu. aucucucggggggcucuacuuu. Aucuccggggggcucuacu.	20 189 2 1	1 1 0 0	s60 s60 s60 s60
aucucucegggggcucCa aucucucegggggcucuacu aucucucegggggcucuacu Aucucegggggcucuacu Acucegggggcucuacuuu	20 189 2 1 2	1 1 0 0 1	s60 s60 s60 s60 s60
aucucucegggggcucCa aucucucegggggcucuacu aucucucegggggcucuacu Aucucegggggcucuacu Acucegggggcucuacuuu	20 189 2 1 2	1 1 0 0 1	\$60 \$60 \$60 \$60 \$60
aucucucegggggcucCa aucucucegggggcucuacu aucucucegggggcucuacuuu Aucuceggggggcucuacuuu aucuceggggggcucuacuuu aucuceggggggcucuacuuu	20 189 2 1 2 2	1 1 0 0 1 1	\$60 \$60 \$60 \$60 \$60 \$60
. aucueceggggguuagag. aucuecegggggcuuacu. . heuceggggggcueacu. . uceggggggcueacu. . ucegggggcueacu. . aucuecegggggcueacu. . ucegggggcueacu. . aucuecegggggcueacu. . aucuecegggggguuagag.	20 189 2 1 2 2 1	1 0 0 1 1 0	\$60 \$60 \$60 \$60 \$60 \$60 \$60
. auccagccuucguagguuagagc.	20 189 2 1 2 2 1	1 0 0 1 1 0	860 860 860 860 860 860 835 835
. auceagccuucguagcucagggguuagagc auceagccuucguagcucagggguuagagc auceagccuucguagcucagggguuagagc auceagccuucguagcucagggguuagagc auceagccuucguagcucagggguuagagc.	20 189 2 1 2 2 1 1 1 5	1 0 0 1 1 0	860 860 860 860 860 860 860
. aucuceggggguuagucagggguuagagc. aucagccuucguagucagggguuagagc. agccuucguagucagggguuagagc. agccuucguagucagggguuagagc. agccuucguaguuagagc. agccuucguaguuagagc. agccuucguaguuagagc. agccuucguaguuagagc. agccuucguaguuagagc. agccuucguaguuagagc.	20 189 2 1 2 2 1 1 1 5 3	1 0 0 1 1 0	860 860 860 860 860 860 835 835 835
aucuucegggggcucaa aucuucegggggcucuacuu Aucueggggggcucuacuuu .uceggggggcucuacuuu .uceggggggcucuacuuua .uceggggggcucuacuuua .uceggggggcucuacuuua .uceggggggcucuacuuua .uceggggggcucuacuuua .uceggggggcucuacuuua .auccagccuucguagcucagggguuagag .auccagccuucguagcucagggguuagagc .auccagccuucguagcucagggguuagagc .agccuucguagcucagggguuagagc .agccuucguagcucagggg	20 189 2 1 2 2 1 1 5 3	1 0 0 1 1 0	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35
. aucuceggggguuagucagggguuagagc. aucagccuucguagucagggguuagagc. agccuucguagucagggguuagagc. agccuucguagucagggguuagagc. agccuucguaguuagagc. agccuucguaguuagagc. agccuucguaguuagagc. agccuucguaguuagagc. agccuucguaguuagagc. agccuucguaguuagagc.	20 189 2 1 2 2 1 1 1 5 3	1 0 0 1 1 0	860 860 860 860 860 860 835 835 835
aucuucegggggcucaa aucuucegggggcucuacuu Aucueggggggcucuacuuu .uceggggggcucuacuuu .uceggggggcucuacuuua .uceggggggcucuacuuua .uceggggggcucuacuuua .uceggggggcucuacuuua .uceggggggcucuacuuua .uceggggggcucuacuuua .auccagccuucguagcucagggguuagag .auccagccuucguagcucagggguuagagc .auccagccuucguagcucagggguuagagc .agccuucguagcucagggguuagagc .agccuucguagcucagggg	20 189 2 1 2 2 1 1 5 3	1 0 0 1 1 0	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35
aucuuccgggggcucaacu	20 189 2 1 2 2 1 1 5 3 3 9	1 0 0 1 1 0 0	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35
aucuucgggggcucaacu	20 189 2 1 2 2 1 1 5 3 3 9 21 2 1	1 0 0 1 1 0 0 0 0 0 1	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
aucuucgggggcucaa	20 189 2 1 2 2 1 1 5 3 3 9 21 2 1 1	1 0 0 1 1 0 0 0 0 0 1 0 0	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
aucueucegggggcueuacu aucueucegggggcueuacu Aucegggggcueuacu Aucegggggcueuacu Aucegggggcueuacu Auceagccuucguagcueaggguuagag auceagccuucguagcueagggguuagagc agccuucguagcueagggguuagagc agccuucguagcueagggguuagagc agccuucguagcueagggg agccuucguagcueagggguuagag	20 189 2 1 2 2 1 1 5 3 3 9 21 2 1 1 2	1 0 0 1 1 0 0 0 0 0 1 0 0	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
	20 189 2 1 2 2 1 1 5 3 3 9 21 2 1 1 2 2	1 0 0 1 1 0 0 0 0 0 1 0 0	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
agccuucguagcucagggghuagag	20 189 2 1 2 2 1 1 5 3 3 9 21 2 1 1 2 2 2	1 0 0 1 1 0 0 0 0 0 1 0 0 0 1 1 0	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
	20 189 2 1 2 2 1 1 5 3 3 9 21 2 1 1 2 2	1 0 0 1 1 0 0 0 0 0 1 0 0	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
agccuucguagcucagggghuagag	20 189 2 1 2 2 1 1 5 3 3 9 21 2 1 1 2 2 2	1 0 0 1 1 0 0 0 0 0 1 0 0 0 1 1 0	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
agccuucguagcucagggguuagagc agccuucguagcucaggggauagagc agccuucguagcucaggggauagagc agccuucguagcucaggggauagagc agccuucguagcucaggggauagagc agccuucguagcucaggggauagagc agccuucguagcucagggguuagagc	20 189 2 1 2 2 1 1 5 3 9 21 2 1 1 2 2 1	1 1 0 0 1 1 0 0 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 1 0 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
	20 189 2 1 2 2 1 1 5 3 9 21 2 1 1 2 2 1 1 1	1 1 0 0 1 1 0 0 0 0 1 0 0 1 1 0 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
agccucquagcucagggquuagagc agccucquagcucagggquuagagc agccucquagcucagggquuagagc agccucquagcucagggquuagagc agccucquagcucagggquuagag agccucquagcucagggquuagagc	20 189 2 1 2 2 1 1 1 5 3 9 21 2 1 1 1 2 2 1 1 3	1 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	\$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
aucuceggaggeuceau aucuceggaggeucaeu aucaegceuceguageucaggaguuagag aucaegceuceguageucaggaguuagage agceuceguageucaggag agceuceguageucaggag agceuceguageucaggag agceuceguageucaggag agceuceguageucaggag agceuceguageucaggag agceuceguageucaggag agceuceguageucaggaguagag agceuceguageucaggaguagag agceuceguageucaggaguagag agceuceguageucaggaguagag agceuceguageucaggaguagag agceuceguageucaggaguagage agceuceguageucaggaguagage agceuceguageucaggaguagage agceuceguageucaggaguagagacu agceuceguageucaggaguagagacu agceuceguageucaggagagagagagacu agceuceguageucaggagagagagagacu agceuceguageucaggagagagagagacu agceuceguageucaggagagagagagacu agceuceguageucaggagagagagagacu agceuceguageucaggagagagagagacu agceuceguageucaggagagagagagagacu agceuceguageucaggagagagagagacu agceuceguageucaggagagagagagacu agceuceguageucaggagagagagacu agceuceguageucaggagagagagacu agceuceguageucaggagagagagacu agceuceguageucaggagagagagacu agceuceguageucaggagagagagacu agceuceguageucaggagagagagacu agceuceguageucagagagagagagacu agceuceguageucagagagagagagacu agceuceguageucagagagagagagagacu agceuceguageucagagagagagagagagagagagagagagagagagagag	20 189 2 1 2 2 1 1 1 5 3 9 21 2 1 1 1 2 2 1 1 3 1	1 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	\$60 \$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
	20 189 2 1 2 2 1 1 1 5 3 9 21 2 1 1 1 2 2 1 1 1 1 1 1 1 1	1 1 0 0 1 1 0 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	\$60 \$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
### ##################################	20 189 2 1 2 2 1 1 1 5 3 9 21 2 1 1 1 2 2 2 1 1 1 1 1 1 1 1	1 1 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0	\$60 \$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
	20 189 2 1 2 2 1 1 1 5 3 9 21 2 1 1 1 2 2 1 1 1 1 1 1 1 1	1 1 0 0 1 1 0 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	\$60 \$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
### ##################################	20 189 2 1 2 2 1 1 1 5 3 9 21 2 1 1 1 2 2 2 1 1 1 1 1 1 1 1	1 1 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0	\$60 \$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
### Annicanaganagaganagagagagagagagagagagagagaga	20 189 2 1 2 2 1 1 1 5 3 9 21 2 1 1 2 2 1 1 1 1 1 1 1 1	1 1 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0	\$60 \$60 \$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
### Agrangeneaggggunagage #################################	20 189 2 1 2 2 1 1 1 5 3 9 21 2 1 1 1 2 2 2 1 1 1 1 4	1 1 0 0 1 1 0 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	\$60 \$60 \$60 \$60 \$60 \$60 \$60 \$60 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35

${\tt caacggaaagugucauccagccuucguagcucagggguuagagcacuggucuuguaaaccaggggucgaaaguucaaaucucuccgggggcucuacuuuaucauuccacuuuuuu$			
	1	1	s 3!
Acucagggguuagagcacugg.	2	1	s 3!
Acagggguuagagcacuggucuu	1	1	s 3
Acagggguuagagcacuggucuugua	1	1	s 3
Aagggguuagagcacuggucu	4	1	s 3!
	1	1	s 3
	1	1	s 3
	1	1	s 3
agggguuagagcacuggu	7	0	s 3
agggguuagagcacugguc	2	0	s 3
agggguuagagcacuggucuu	1	0	s 3
agggguuagagcacuggucuuA	1	1	s 3
agggguuagagcacuggucuug	1	0	s 3
. Aggguuagagcacuggucu.	1	1	s 3
Aggguuagagcacuggucuu	3	1	s 3
Aggguuagagcacuggucuugu	1	1	s 3
Agguuagagcacuggucuuguaaac	2	1	s 3
Aguuagagcacuggucuuguaaaccagggg	1	1	s 3
.guuagagcacuggucuuguaaaccagggg	1	0	s 3
Auagagcacuggucuuguaaaccaggggu	1	1	s 3!
	2	1	s 3!
aguucaaaucucucgggggcucCa	1	1	s 3
aaaucucucgggggcucCa	3	1	s 3
aaucucucgggggcucCaaaucucucgggggcucCa	16	1	s 3
.aucucucgggggcucua	1	0	s 3
.aucucucgggggcuUua	2	1	s 3!
aucucucgggggcucCa	67	1	s 3!
.aucucucgggggcucuCcu.	1	1	s 3!
.aucucucgggggcucuacu	2	0	s 3
.aucuAuccgggggcucuacuuu	2	1	s 3
.auUucuccggggcucuacuuu.	2	1	s 3
.aucucucgggggcucuacuuu.	2	0	s 3
aucuAuccgggggcucuacuuua	1	1	s 3
ucucuccgggggcucuacuuu	1	0	83 !
ueueueegggggeueuaeuuu.			
Acucucegggggcucuacuuu	1	1	s 3
Acucuccgggggcucuacuuu	2	1	s 3
Acucuccgggggcucuacuuu. ucuAuccgggggcucuacuuua. cuAuccgggggcucuacuu.	2 1	1 1	s3
Acucuccgggggcucuacuuu	2 1 2	1 1 1	s3: s3:
Acucuccgggggcucuacuuu ucuAuccgggggcucuacuuua. cuAuccgggggcucuacuuu Acuccgggggcucuacuuu Auccgggggcucuacuuu	2 1 2 2	1 1 1	s3. s3. s3.
Acucuccgggggcucuacuuu ucuAuccgggggcucuacuuu cuAuccgggggcucuacuuu Acuccgggggcucuacuuu Auccgggggcucuacuuu Auccgggggcucuacuuu	2 1 2 2 5	1 1 1 1	s3: s3: s3: s3:
Acucuccgggggcucuacuuu ucuAuccgggggcucuacuuua. cuAuccgggggcucuacuuu Acuccgggggcucuacuuu Auccgggggcucuacuuu	2 1 2 2	1 1 1	s3. s3. s3.
Accegggggcucuacuuu ucuAuccgggggcucuacuuu cuAuccgggggcucuacuuu Acuccgggggcucuacuuu Auccgggggcucuacuuu Auccgggggcucuacuuu Accgggggcucuacuuua	2 1 2 2 5 2	1 1 1 1 1	s3: s3: s3: s3: s3:
Acucucegggggcucuacuuu ucuAucegggggcucuacuuua cuAucegggggcucuacuuu Acucegggggcucuacuuu Aucegggggcucuacuuu Acegggggcucuacuuua Acegggggcucuacuuua	2 1 2 2 5 2	1 1 1 1 1	s3. s3. s3. s3. s3.
Acucucegggggcucuacuuu ucuAucegggggcucuacuuu cuAucegggggcucuacuuu Acucegggggcucuacuuu Aucegggggcucuacuuu Acegggggcucuacuuua Acegggggcucuacuuua agccuucguagcucaggg	2 1 2 2 5 2 2	1 1 1 1 1 0	s3. s3. s3. s3. s3. s3.
	2 1 2 2 5 2 2 2 2 2	1 1 1 1 1 0 0	s3. s3. s3. s3. s3. s3. s3.
Acucucegggggcucuacuuu	2 1 2 2 5 2 2 2 2 2 2	1 1 1 1 1 0 0	s3. s3. s3. s3. s3. s3. s1. s1. s1.
Acucuccgggggcucacuuu ucuAuccgggggcucacuuua cuAuccgggggcucacuuu Acucgggggcucacuuu Aucegggggcucacuuu Aucegggggcucacuuu Acegggggcucacuuua Acegggggcucacuuua agccuucguagcucagggg agccuucguagcucagggg agccuucguagcucaggggauagagc agccuucguagcucagggguuagagc agccuucguagcucagggguuagagc agccuucguagcucagggguuagagc aacucuccgggggcucCa	2 1 2 2 5 2 2 2 2 2 1	1 1 1 1 1 0 0	s3. s3. s3. s3. s3. s1. s1. s1.
Acucucegggggcucuacuuu	2 1 2 2 5 2 2 2 2 2 2	1 1 1 1 1 0 0	s3. s3. s3. s3. s3. s3. s1. s1. s1.
Acucuccgggggcucuacuuu	2 1 2 2 5 2 2 2 2 1 2 2	1 1 1 1 1 0 0	s3. s3. s3. s3. s3. s1. s1. s1.
Acucuccgggggcucacuuu ucuAuccgggggcucacuuua cuAuccgggggcucacuuu Acucgggggcucacuuu Aucegggggcucacuuu Aucegggggcucacuuu Acegggggcucacuuua Acegggggcucacuuua agccuucguagcucagggg agccuucguagcucagggg agccuucguagcucaggggauagagc agccuucguagcucagggguuagagc agccuucguagcucagggguuagagc agccuucguagcucagggguuagagc aacucuccgggggcucCa	2 1 2 2 5 2 2 2 2 2 1	1 1 1 1 1 0 0 1 0	s3. s3. s3. s3. s1. s1. s1. s1.
Acucucegggggcucuacuuu	2 1 2 2 5 2 2 2 2 1 2 2	1 1 1 1 1 0 0 1 0	\$3, \$3, \$3, \$3, \$3, \$3, \$3, \$3, \$3, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$2, \$2, \$2, \$2, \$2, \$2, \$2, \$2, \$2, \$2
Acuaccgggggcucuacuuu ucuAuccgggggcucuacuuu cuAuccgggggcucuacuuu Acucgggggcucuacuuu Auccgggggcucuacuuu Auccgggggcucuacuuu Accgggggcucuacuuua agccuucguagcucaggggagccuucguagcucagggalagccuucguagcucaggggAuagagagccuucguagcucaggggauagagcaaucuccgggggcucCaaucuccgggggcucCaaucuccgggggcucCaaucuccgggggcucCaaucuccgggggcucCaaucucccgggggcucCaaucucccgggggcucCaaucucccgggggcucCaaucucccgggggcucCaaucucccgggggcucCaaucucccgggggcucCaaucucccgggggcucCaaucucccgggggcucCaaucucccgggggcucCaaucucccgggggcucCaaucucccgggggcucCaaucucuccgggggcucCa.	2 1 2 2 5 2 2 2 2 1 2 2 2	1 1 1 1 1 0 0 1 0 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$5. \$1. \$1. \$1. \$1. \$2. \$2.
Acuacagggggacuacuuu	2 1 2 2 5 2 2 2 2 1 2 2 2 1 4 1	1 1 1 1 1 0 0 1 0 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$5. \$1. \$1. \$1. \$5. \$2. \$2. \$2. \$2.
	2 1 2 2 5 2 2 2 2 1 2 2 2 1 4 1	1 1 1 1 1 0 0 1 0 1 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$51. \$51. \$51. \$51. \$52. \$52. \$52. \$52.
Acueucegggggcueuacuuu	2 1 2 2 5 2 2 2 2 1 2 2 2 1 4 1 22 2	1 1 1 1 1 0 0 1 0 1 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$5. \$1. \$5. \$5. \$5. \$5. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6
Acucucgggggcucuacuuu	2 1 2 2 5 2 2 2 2 1 2 2 2 1 4 1 22 2 4	1 1 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$5. \$1. \$5. \$5. \$5. \$5. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6
	2 1 2 2 5 2 2 2 2 1 2 2 2 1 4 1 22 2 0 4 4	1 1 1 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 0 1 0 0 0 1 0	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$5. \$1. \$1. \$1. \$2. \$2. \$2. \$2. \$2. \$2. \$2. \$2. \$2. \$2
	2 1 2 2 5 2 2 2 2 1 2 2 2 1 4 1 22 20 4 4 1	1 1 1 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1	\$3: \$3: \$3: \$3: \$3: \$1: \$1: \$1: \$2: \$2: \$2: \$2: \$2: \$2: \$2: \$2
	2 1 2 2 5 2 2 2 2 1 2 2 2 1 4 1 22 20 4 4 1	1 1 1 1 1 1 0 0 1 1 1 0 0 1 1 1 1 1 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$5. \$1. \$5. \$5. \$5. \$5. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6
Acucycgggggcucuacuuu	2 1 2 2 5 2 2 2 2 1 2 2 2 1 4 1 22 20 4 4 1 1	1 1 1 1 1 1 0 0 1 1 1 0 0 1 1 1 1 1 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$4. \$5. \$5. \$5. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6
	2 1 2 2 5 2 2 2 2 1 2 2 2 1 4 1 22 20 4 4 1 1	1 1 1 1 1 1 0 0 1 1 1 0 0 1 1 1 1 1 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$4. \$5. \$5. \$5. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6
	2 1 2 2 5 2 2 2 1 2 2 1 4 1 2 2 0 4 1 1 1 2 1	1 1 1 1 1 1 0 0 1 1 1 0 0 1 1 1 1 1 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$4. \$5. \$5. \$5. \$5. \$6. \$6. \$7. \$7. \$7. \$7. \$7. \$7. \$7. \$7. \$7. \$7
	2 1 2 2 5 2 2 2 1 2 2 1 4 1 2 2 0 4 1 1 1 1 1	1 1 1 1 1 1 0 0 1 1 1 0 0 1 1 1 1 1 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$4. \$5. \$5. \$5. \$6. \$6. \$6. \$7. \$7. \$7. \$7. \$7. \$7. \$7. \$7. \$7. \$7
Acucucgggggcucuacuuua	2 1 2 2 5 2 2 1 2 2 1 4 1 2 2 0 4 1 1 1 2 1 1 2	1 1 1 1 1 1 0 0 1 1 1 0 0 1 1 1 1 1 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$4. \$5. \$5. \$5. \$6. \$6. \$6. \$7. \$7. \$7. \$7. \$7. \$7. \$7. \$7. \$7. \$7
Acaggguuagagcacuggucuu Acagggguuagagcacuggucuu Acagggguuagagcacuggucuuguagagc Acagagguuagagcacuggucuuguagagc Acagggguuagagcacuggucuuguagagc Acagggguuagagcacuggucuuguagagc Acagggguuagagcacuggucuuguagagc Acagggguuagagcacuggucuuguagagc Acagggguuagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucuuguagagcacuggucugagagaga	2 1 2 2 5 2 2 1 2 2 1 4 1 2 2 0 4 1 1 1 2 1 1 2 2	1 1 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$4. \$5. \$5. \$5. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6
	2 1 2 2 5 2 2 1 2 2 1 4 1 2 2 0 4 1 1 1 2 1 1 2 1	1 1 1 1 1 1 0 0 1 1 1 0 0 1 1 1 1 1 0 0 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$4. \$5. \$5. \$5. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6
	2 1 2 2 5 2 2 1 2 2 1 2 2 1 4 1 1 2 2 1 1 1 2 1 1 1	1 1 1 1 1 1 0 0 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 1 1 1 0 1 1 1 1 0 1	\$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$3. \$4. \$5. \$5. \$5. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6. \$6

Star Mature			
caacggaaagugucauccagccuucguagcucagggguuagagcacuggucuuguaaaccaggggucgaaaguucaa <mark>aucucuccggggggcucua</mark> cuuuaucauuccacuuuuu	1		-22
	1 2	1 1	s23 s23
aaucucucegggggcucCa	37	1	s23
aucucuccgggggcucCa	68	1	s23
Acucuccgggggcucuacuuuauc	2	1	s23
Aucuccgggggcucuacuuu	1	1	s23
ucucegggggcucuacuuu	1	0	s23
Aucegggggcucuacuuua	2	1	s23
Accgggggcucuacuuua	2	1	s23
Aauccagccuucguagcucaggggu	1	1	s52
Aauccagccuucguagcucagggguuagag	1	1	s52
auccagccuucguagcucagggguuagag	1	0	s52
auccagccuucguagcucagggguuagagc	6	0 1	s52 s52
agccuuUguagcucagggagccuuUguagcucagUg	1 5	1	s52 s52
agccuucguagcucaggg	21	0	s52
agccuucguagcucagggA	1	1	s52
agccuucguagcucagggg	29	0	s52
agccuucguagcucCgggg	1	1	s52
agccuucguagcucagUgg	2	1	s52
agccuucguagcucagUgguuag	1	1	s52
agccuucguagcucaggggAuagag	4 2	1 1	s52
agccuucguagcucagUgguuagagagccuucguagcucagggguuagag	2	0	s52 s52
agccuucguagcucagggguuagagc	1	0	s52
agccuucguagcucagggguuagagca	1	0	s52
agccuucguagcucagUgguuagagcacug	1	1	s52
gccuucguagcucagggg	3	0	s52
cguagcucagggguuagagc	1	0	s52
Aguagcucagggguuagagcacuggu	1	1	s52
Aguagcucagggguuagagcacugguc	1	1 1	s52
Aguagcucagggguuagagcacuggucuu	1 1	1	s52 s52
agcucagggguuagagcac	1	0	s52
	2	1	s52
Aagggguuagagcacuggucuug	1	1	s52
agggguuagagcacuCguc	1	1	s52
agggguuagagcacuggucu	1	0	s52
agggguuagagcacuggucuu	1	0	s52
AggguuagagcacuggucuuguAggguuagagcacuggucu	3 1	1 1	s52 s52
gguuagagcacuggucuug	1	0	s52
	1	1	s52
Auagagcacuggucuugu	2	1	s52
Aagagcacuggucuuguaaaccaggggu	1	1	s 52
agagcacuggucuuguaaacca	1	0	s52
agagcacuggucuuguaaaccag	2	0	s52
agagcacuggucuuguaaaccaggggucga	1	0	s52
	1 1	1 0	s52 s52
aguucaaaucuAuccgggggcucuacuuu	1	1	s52
Auucaaaucucucegggggcucuacuuu	2	1	s52
Acaaaucucucgggggcucu	1	1	s52
ucaaaucucuccgggggcucCa	1	1	s52
aaaucuAuccgggggcucu	2	1	s52
aaaucucuccgggggcucCa	3	1	s52
aaucucucgggggcucC	1	1	s52
aauGucuccgggggcucCa	38 2	1 1	s52 s52
auuuducegggggcucuaaucuAuccgggggcucua	2	1	s52 s52
aucunacegggggcucCaaucucucegggggcucCa	164	1	s52
aucuAuccgggggcucuacuuu	1	1	s52
Acucuccgggggcucuacuuu	1	1	s52
	1	1	s52
auccagccuucguagcucagggguuagag	3	0	s72
auccagccuucguagcucaggggAuagag	1	1	s72
auccagccuucguagcucagggguuagagc	3	0	s72
agccuucguagcucagUg	1	1	s72

1140410			
caacggaaagugucauccagccuucguagcucagggguuagagCacuggucuuguaaaccaggggucgaaaguucaaaucucucgggggcucuacuuuaucauuccacuuuuu			
agccuucguagUucaggg	1	1	s72
agccuuUguagcucaggg	1	1	s72
agccuucguagcucaggg	47	0	s72
agccuucguagcucagUggagccuucguagcucagUgg	4	1	s72
agccuucguagcucagggg.	51	0	s72
agccuucguagcucCggggagccuucguagcucCgggg	1	1	s72
agccuucguagcucaggggA	3	1	s72
agccuucguagcucaggggAuag.	1	1	s72
agccuucguagcucagggguuaga.	1	0	s72
agccuucguagcucaggggAuagag	2	1	s72
agccuucguagcucagUgguuagag.	2	1	s72
agccuucguagcucaAggguuagagc	1	1	s72
agccuucguagUucagggguuagagc	1	1	s72
gccuucguagcucagggg.	6	0	s72
	2	1	s72
Acagggguuagagcacugguc	1	1	s72
cagggguuagagcacugguc	1	0	s72
agggguuagagcacuggucu	1	0	s72
Agguuagagcacuggucuuguaaac	1	1	s72
	1	1	s72
acuggucuuguaaaccaggggucga	2	0	s72
Auuguaaaccaggggucg	2	1	s72
accaggggucgaaaguuca	1	0	s72
aguucaaaucucucgggggcu	1	0	s72
aaaucucucgggggcucCa	3	1	s72
aaauUucuccgggggcucua	1	1	s72
aaucucucgggggcucC	3	1	s72
aaucucucgggggcucCa	42	1	s72
aaucucegggggcucuacu	2	0	s72
aucucuccgggggcucCa	709	1	s72
	1	0	s72
aucucuccgggggcucuacu	1	0	s72