Provisional ID : Pocillopora_meandrina_HIv1___xfSc0000017_985335

Score total : 0.3 Score for star read(s) : -1.3

Total read count Mature read count

Loop read count

Star read count

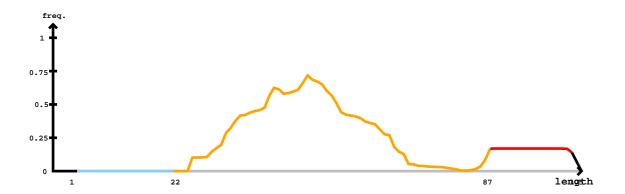
Score for star read(s) : -1.3
Score for read counts : 0
Score for mfe : 0.8
Score for randfold : -2.2
Score for cons. seed : 3

9898

1556

8342





at an	Mahama			
Star	Mature			
	acguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg	-3' exp	•	
((((((((((((((((((((((((()).))	reads	mm	sample
• • • • • • • • • • • • • • • • • • • •	auacuCaccugacgcgg	1	1	seq
•••••	auacuuaccugacgcgU	2	1	seq
•••••	auacuuaccugacgcgA	6	1	seq
• • • • • • • • • • • • • • • • • • • •	auacuuaccugacgcgg	14	0	seq
• • • • • • • • • • • • • • • • • • • •	auacuuaccugacgcgAg	9	1	seq
• • • • • • • • • • • • • • • • • • • •	auGcuuaccugacgcggg	1	1	seq
	auacGuaccugacgcggg	1	1	seq
	auacCuaccugacgcggg	1	1	seq
	auacuuaUcugacgcggg	1	1	seq
	auacuuacUugacgcggg	11	1	seq
	auacuuaccugacgcgUg	1	1	seq
	Guacuuaccugacgcggg	2	1	seq
		1	1	seq
	auacuuaccCgacgcggg	1	1	seq
	auacuuaccugacgcggU	19	1	seq
	auacuuaccugacgcggg	241	0	seq
	auacuuaccugacgcggC	2	1	seq
	auacAuaccugacgcggg	1	1	seq
	auacuuaccugacgcggCa	1	1	seq
	Cuacuuaccugacgcggga	4	1	seq
	auacuAaccugacgcggga	2	1	seq
	auacuuaccugacUcggga	2	1	seq
	auacuuaccugacgcggga	326	0	seq
	auacuuaccugacgcgggG	15	1	seq
	auacuuaccugacAcggga	1	1	seq
		3	1	seq
	auacuuaccugacgcUgga	1	1	seq
	auacuuaccugGcgcggga	2	1	seq
	auacuuaccCgacgcggga	3	1	seq
	auacuuaccugacgcgggU	12	1	seq
	auacuuaccugacgcgggC	1	1	seq
	auacuuacAugacgcggga	1	1	seq
	auacuuaccGgacgcggga	1	1	seq
	2Co divisio di granda del Caracteria	1	1	202

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg 5Guacuuaccugacgcggga..... seqauacuuacUuqacqcqqqa..... 9 1 seqauacuuaccugacgcgggaA.....auacuuacUugacgcgggag..... 1 1 seq 0auacuuaccugacgcgggag..... 16 seq 1auacuuaccugacgcgggaC..... 1 seqauacuuaccugacgcgggaU..... 1 1 seq 0auacuuaccugacgcgggagg..... 1 1 1 auacuuaccugacgcggaAg..... seaauacuuacUugacgcgggagg..... seqauacuuaccuqacqcqqqaqqu..... 9 0 seq auacuuaccugacgcgggaggCacu...... 0auacuuaccugacgcgggagguacug..... 2 seq 1auacuuaccugacgcgggagguacugC..... seqauacuuaccugacgcgggagguacugA..... 1 1 seqauacuuaccuqacqcqqqaUquacuqu..... 1 1 seqauacuuaccugacgcgggagguaUugu..... auacuuaccugacgcgggagguacCgu..... 1 1 sea 1 1auacuuaccugacgcgggagguacuAu..... seq 1 1Guacuuaccugacgcgggagguacugu..... seaauacuuaccugacgcgggaggCacugu...... sea 0auacuuaccugacgcgggagguacugu..... seq 1 6auacuuaccugacgcgggaggCacugug..... seqauacuuaccugacgcgggagguacugug..... 32 0 seqauacuuaccuqacqcqqqaqquacuqCq..... 1 1 seqauacuuacUugacgcgggagguacugug.....auacuuaccugacgcAggagguacugug..... 2 1 sea 1 1auCcuuaccugacgcgggagguacugug..... seq 1 11 seqauacuuaccuCacgcgggagguacugug..... 1 seq 1 1 0 auacuuaccugacgcgggagguacuguga..... 16 seaauacuuaccugacgcgggagguacugugau..... 6 0auacuuaccuqacqcqqqqqquacuquqaG.... 1 1 seqauacuuaccugacgcgggaggCacugugau..... seqauacuuaccugacgcgggagguacugGgauc..... 1 1 sea 1 1 seq 0auacuuaccugacgcgggagguacugugauc..... 95 1auacuuaccugacgcgggagguacugugauU...... seqauacuuaccugacgcgggaAguacugugauc..... 1 seq auacuuaccugacgcgggagguacugugauA...... 3 1 seaauacuuaccugacgUgggagguacugugauc..... 1 1uacuuaccugacgcgggagg..... 1 0 sea sequacuuaccugacgcgggagguacugugauc..... 3 0 seq 0 1uacuuaccugacgcgggagquacugugauca..... seq 1 1 0acuuaccugacgcgggagguacuguga...... seqacuuaccugacgcgggagguacugugauc.... 0 seq cuuaccuqacqcqqqaqqCacu. 1 1 seacuuaccugacgcgggagguacuguga..... 0 seqcuuaccugacgcgggagguacugugaA..... 1 1 seqcuuaccugacgcgggagguacugugaC..... 1 5 seqcuuaccugacgcgggagguacugugau..... 1 n sea 2 1 seq 1cuuaccugacgcgggagguacugugauA..... 2 1 sea 0 seqcuuaccCgacgcggagguacugugauca.... 2 1 sea 1 0 seq 0uuaccugacgcgggaggu..... 1 0 1uuaccugacgcgggagguacu..... seq 2 1 sequuaccugacgcgggagquacuA..... 2 1 seq 0uuaccugacgcgggagguacug..... seq 8 0uuaccugacgcgggagquacuqu.... sequuaccugacgcggagguacugC..... 3 1 sea 1 1 seq

.....uuaccugacgcgggagguacugug......

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg 2uuaccugacgcgggagguacugGg..... sequuaccuqacqcqqqaqquacuqCq..... 1 1 seq 1 1uCaccugacgcgggagguacuguga..... seq 1uuaccugacgcgggaggCacuguga..... 1 seq 1 1uuaccugacgcgggagguacugugC..... sequuaccugacgcgggagquacugugU..... 2 1 seq 0uuaccugacgcgggagguacuguga...... 26 1 ...uuaccuqacqcqqqaqquacuquqG..... 2 seauuaccugacgcgggagguacugugGu..... sequuaccuqacqcqqqqqquacuquqaC..... 13 1 sequuaccugacgcgggagguGcugugau..... 1 1 seq 0 61 sequuaccugacgcgggagguacugugaA..... 5 1 seq 2uuaccuqacqcqqqaqquacuquqaG.... 1 seq 2 132 0 sea 1 1 seq 1 1uuaccugacgcgggGgguacugugauc..... sea sea 1uuaccugacgcgggagguacuCugauc..... 1 seq 1 1uuaccugacgcggAagguacugugauc..... sequuaccugacgcgggagguacugugauA..... 5 1 sequuaccuqacqcqqqaqquacuquqaCc..... 3 1 sequuaccugacgcgggagguacCgugauc..... 34 0 sea 0uuaccugacgcgggagguacugugaucaa..... seq 5 0 sequuaccugacgcgggagguacugugaucaaA..... 1 1 seq 1Aaccugacgcgggagguac..... 1 1 uaccugacgcgggagguacA. 11 seauaccugacgcgggagguacu..... 53 0 3 1 sequaccugacgcgggagguacG. sequaccugacgcgggaggCacu..... 7 1 sea 1 8uaccugacgcgggagguacC..... seq 1uaccugacgcggCagguacu..... 1 0uaccugacgcgggagguacug..... sequaccugacgcgggagguacCg..... 1 seq uaccugacgcgggagguacuA. 2 1 seauaccugacgcgggagguacugC..... 1uaccugacgcgggagguacugu..... 8 0 seauaccugacgcgggagguacugA..... seq 1 1 seq 2 1uaccugacgcgggagquacugCg..... seq 1uaccugacgcgggagguacuguC..... 1 1uaccugacgcgggagguacugGg.... sequaccugacgcgggagguacuguA..... 1 seq uacUuqacqcqqqaqquacuquq 1 1 seauaccugacgcgggagguacugug..... 0 sequaccugacgcgggagguacuguga..... 13 0 seq 1uaccugacgcgggagguacugugG..... 1 sequaccugacgcgggagguacugugU..... 1 1 sea 2 1uaccugacgcgggagquacugugGu..... seq 1uaccugacgcgggagguacugugaG..... 4 1 1 . Aaccugacgcgggagguacugugau. sea sequaccugacgcgggagguacugugaC..... 8 1 sea 32 0 seq 2 1uaccugacgcgggagguacugugauA..... seq 1 1uaccugacgcgggagguacugugGuc..... sequaccugacgcgggGgguacugugauc.... 1 sequaccugacgcgggagquacugugaCc..... 1 1 seq 1 seq 1 1Aaccugacgcgggagguacugugauc...... 1 seq 1 1 seauaccugGcgcgggagguacugugauc..... 0 54uaccugacgcgggagquacugugauc..... seq

.....uaccugacgcgggagguacugugauca.....

10

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugguaccugacgcgggagguacCgugauca..... sequaccuqacqcqqqaqquacuquqaucaa...... 8 0 sequaccugacgcgggagguacugugaucaC..... 1uaccugacgcgggagguacugugaucaaA..... seq 0uaccugacgcgggagguacugugaucaag..... seq 0uaccugacgcgggagguacugugaucaagg...... 1 seqaccugacgcgggagquac.... 3 0 seq 1accugacgcgggagAuacu..... 1 2 1 accugacgcgggagguacG. seaaccugacgcgggagguGcu..... seq accuqGcqcqqqaqquacu..... 1 1 seq accugacgcgggaggCacu..... 2 1accugacgcgggagguacC..... seq 1 1accugacgcgggagUuacu..... seqaccugacgcgggagguacu..... 16 0 seq accuqacqcqqqaqquacA..... 10 1 seq accugacgcgggagguacGg.... accugacgcgggagguacug 18 0 sea 1 1accugacgcgggagguacCg..... seq accugacgcgggagguacuA..... 4 1 sea accugacgcgggagguacugA..... sea 2 1accugacgcgggagguacugC..... seq 1 1accugGcgcggagguacugu.... seqaccugacgcgggagguacugu..... 13 0 seq 0 accuqacqcqqqaqquacuquq.... 34 seqaccugacgcgggagguacugGg..... accugacgcgggagguacugCg..... 1 1 sea 14 1accugacgcgggagguacuguA..... seq 20 0accugacgcgggagguacuguga..... seq 1 seq 1accugacgcgggagguacugugaC..... 5 2 1 accugacgcgggagguacugugGu.... sea 1 1 accuqacqcqqqaqquacuquqau..... 21 0 seqCccugacgcgggagguacugugau..... seq accugacgcgggagguacugugauU..... 2 1 sea 1 1accugacgcgCgagguacugugauc...... seq 5 1accugacgcgggagguacugugauA..... 1accugacgcgggagguacugGgauc..... seq 0accugacgcgggagguacugugauc..... seq accugacgcgggagguacugugaCc..... 1 1 sea accugacgcgggGgguacugugauc..... 1 1 1 1 sea 1aAcugacgcgggagguacugugauca..... seq accugacgcgggagguacugugauca.... 11 0 seq 1accAgacgcgggagquacuqugauca..... 1 seq 1Uccugacgcgggagguacugugauca..... 1 4 0accugacgcgggagguacugugaucaa...... seq accugacgcgggagguacugugaucaag..... 2 0 seq Acuqacqcqqqaquacu. 2 1 seaGcugacgcgggagguacu..... 2 1 seqccugacgcgggagguacu..... 241 0 seqccugacgcgggagguCcu..... 1 1 seq 3 1 sea 1ccugacgcgggagquacC..... 52 seq 1ccugacgcgggagguacA..... 42 1 1 seaccugacgcgggagguaUu..... seqccugacgcgggagguacG..... 30 1 sea 39 0ccugacgcgggagguacug..... seq 1ccugacgcgggagguacGg..... 3 seq 1ccugacgcgggagguacuA..... 14 seqccugacgcgggagguacugu..... 0 seqccuqUcqcqqqaqquacuqu..... 2 1 seqccugacgcgggagguacugG..... 1 1 seq 3 1ccugacgcgggagguacugA..... 1ccuqacqcqqqaqquacuqC..... seq 1 1 sea 70 0ccugacgcgggagquacuqug..... seq

.....ccugacgcgggagguacugGg.....

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacuggccugacgcgggagguacugCg..... seqccuqacqcqqqaqquacCquq.... 1 1 seqccugaUgcgggagguacugug.....ccugacgcgggUgguacugug..... 1 1 seq 1ccugacgcggTagguacugug..... 1 seq 1ccugacgcgggagguacuguA..... 22 seqccugacgcgggagquacuqAq..... 1 seq 0ccugacgcgggagguacuguga..... 43 1 .ccuqacqcqqqaqquacuAuqa. 1 sea seq 2 1 seqccugacgcgggagAuacugugaccugacgcgggagguacAguga.... 1 1 seq 1 1Acugacgcgggagguacugugau..... seqccugacgcgggagguacugugaC..... 18 1 seqccuqacqcqqqaqqCacuquqau.... 1 1 seqccugacgcgggagguacugugGu..... 3 1 sea 63 0 seq 1 1 seaccugacgcgggagguacCgugauc..... sea 1ccugacgcgggagguacugugauA..... 1 seq 1 1ccugacgcgggGgguacugugauc..... seqcUugacgcgggagguacugugauc.... 1 1 seqAcuqacqcqqqaqquacuquqauc...... 1 1 seqccugacgcgggagCuacugugauc.....ccugacgcgggagguacugugauc..... 84 0 sea 1 1ccugacgcgggagguacugGgauc..... seq 2 1ccugacgcgggagguacugugauU..... seq 1 seq 0 1 1 seaccugacgcgggagguacugugaucaa..... 2 0ccuqacqcqqqaqquacuquqaucaG..... 2 1 seqccugacgcgggagguacugugaucaag.... seq 1 1 sea 0 1ccugacgcgggagguacugugaucaagg..... seq 0ccugacgcgggagguacugugaucaagga....... 2 1ccugacgcgggGgguacugugaucaaggag..... seq 0ccugacgcgggagguacugugaucaaggag..... seq 4 0 seacugacgcgggagguacuA..... 1cugacgcgggagguacug..... seq 19 0cugacgcgggagguGcug.... seqcugacgcgggagguacuU..... 1 1 seq 2 1cugacgcgggaggCacug..... seq 0 13cugacgcgggagguacugC..... 9 1 seqcugacgcgggagguacugA..... 1 seqcugacgcgggagguacugCg..... 3 1 seacugacgcgggagguacugug..... 0 seqcugacgcgggagguacuguA..... 13 1 seq 1cugacgcgggagguacugGg.... 1 seqcugacgcgggGgguacugug..... 1 1 sea 1cugacgcgggagquGcuqug..... 1 seq 1cGgacgcgggagguacuguga..... 1 1 1 . cuqacqcqqqGqquacuquqa. seacugGcgcgggagguacuguga.... seqcugacgcgggagguacuguga..... 39 0 sea 1 1 seq 2 1 seq 1 1cugacgcgggagguGcuguga..... seqcugacgcgggagAuacuguga..... 1 seq 4 1 seqcugacgcgggagguacugugGu..... 1 1 seq 39 0cugacgcgggaggCacugugau..... seq seq 1 1cugacgcgggGgguacugugau.... 1 1 seq

.....cugacgcgggagguacugugaC.....

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg seq 4 1 seqcugacgcgggagguacugugauc....Uugacgcgggagguacugugauc..... 1 1 seq 1 seq 1Gugacgcgggagguacugugauc.... 1 seq 6 1 seq 1 1 1 1 sea 0cugacgcgggagguacugugauca.... seq 0 seqcugacgcgggagguacugugaucaagA..... 0cugacgcgggagguacugugaucaagg..... seq 1cugacgcgggagguacugugaucaGgga..... seqcugacgcgggagguacugugaucaagga..... 27 0 seq 1 1 seq 0 4 0 sea 1 seq 1 1 seacugacgcgggagguacugugaucaaggaggc..... sea 1cugacgcgggagguacugugaucaaggaggU..... 1 seq 1 1cugacgcgggagguacugugaucaaggaggA....... sequgacgcgggagguacug..... 3 0 seq 0uqacqcqqqaqquacuqu..... 27 sequgacgcgggagguacugC.....ugacgUgggagguacugu..... 1 1 sea 1 1ugacgcgggagguacugG..... seq 4 1ugacgcgggagguacugA..... seq 1Cgacgcgggagguacugu..... seq 1ugacgcgggagAuacugug..... 1 ugacgcgggagguacugCg 2 seaugacgcgAgagguacugug..... 2 1uqacqcqqqaqquacuquq..... 52 0 sequgaAgogggagguacugug. sequgacgcgggagguacugGg..... 1 1 sea 1 1ugGcgcgggagguacugug..... seq 1ugacgcgggagguacuguA..... 23 1Cgacgcgggagguacuguga..... seq 0ugacgcgggagguacuguga.... seq .ugacgcgggagguacugucC 1 1 seaugacgUgggagguacuguga..... 1 sequqacqcqqqaqquacuquqG.... 3 1 1ugGcgcgggagguacuguga..... sequgacgcgggagguacCguga..... 2 1 seq 5 1ugacgcgggagquacugugU..... seq 1Cgacgcgggagguacugugau..... 3 1ugGcgcgggagguacugugau.... sequgacgcgggagguacugugaA..... 1 sequgacgcgggagguacugugaG..... 4 1 seaugacgcgggagguacugGgau..... 1 sequgacgcgggagguacugugGu..... 5 1 seq 92 0ugacgcgggagguacugugau...... sequgacgcgggagguacugugaC..... 1 19 sea 1ugacgcgggagquacAqugau..... 1 seq 1ugacgcgggagguacugugauU..... 6 1 1 seaugacgcgggagguacugugauc.... 0 sequgacgcgggagguacugugauA..... 9 1 sea 1 1ugGcgcgggagguacugugauc..... seq 1 1ugacgcgggagguacugCgauc.... seq 1ugacgcgggaggCacugugauc..... seq 1 sequgacgcgggagquacugugaCc..... 1 1 seq 1Agacgcgggagguacugugauc..... seq 1 1ugacgcgggagguacCgugauca......ugacgcgggaggCacugugauca..... sequgacgcgggagguacugugauca..... seq 18 n 0 3ugacgcgggagquacuqugaucaa..... seq

.....ugacgcgggagguacugugaucaaA......

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg 0ugacgcgggagguacugugaucaag..... seq 2 0 sequgacgcgggagguacugugaucaagA...... 5 0ugacgcgggagguacugugaucaagga.... seq 0ugacgcgggagguacugugaucaaggag..... 3 seq 1ugacgcgggagguacugugaucaaggagU..... 1 sequgacgcgggagquacuqugaucaaggagqA...... 1 1 seq 0ugacgcgggagguacugugaucaaggaggc..... 0 11 sea 1ugacgcgggagguacugugaucaaggaggcG...... seqqacqcqqqaAquacuquq..... 1 1 seq gacgcgggagguacuguUgGcgcgggagguacugug..... 1 1 seq 1gacgcgggagguacugGg..... seq gacgcgggagguacugug.....gacgcgggagguacugug.... 39 0 seqqacqcqqqaqquacuqCq.... 4 1 seq gacgcggggguacuguA 11 1 sea 1gacgcgggagguacugCga..... 1 seqgacgcgggagguacugugU..... 4 1 sea sea 57 0gacgcgggagguacuguga..... seq 1 2gacgcgggagguacugugG..... seq gacgcgggagguacugugaA..... 6 1 seqgacqcqqqaqquacuqGqau.... 1 1 seq gacgcgggagguacugugau.... 0gacgcgggagguacugugGu..... 5 1 sea 4 1Aacgcgggagguacugugau...... seq 2 1Cacgcgggagguacugugau..... seq 1gacgcgggagguacugCgau..... seq 2 1gGcgcgggagguacugugau..... 1 gacgcgggagguacugugaC..... 18 sea 1qaUqcqqqaqquacuquqauc..... 1 1 seq gacgcgggaggCacugugauc seqgacgcgggagguacugugauc..... 8 0 sea 0 10gacgcgggagguacugugauca...... seq 1Aacgcgggagguacugugaucaa..... 1 0gacgcgggagguacugugaucaa..... seqgacgcgggagguacugugaucaaA..... 1 seq gacqcqqqaqquacuquqaucaaq 5 0 seagacgcgggagguacugugaucaagg..... 0 seqqacqcqqqaqquacuquqaucaaqA..... 2 1 1gacgcgggagguacCgugaucaagg..... seq 1 1 seq 1 1gacgcgggagquacuqugaucaaggG..... seq 1 gacgcgggagguacugugaucaaggU.....gacgcgggagguacugugaucaaggU.... 1 0gacgcgggagguacugugaucaagga..... seq gacgcgggagguacugugaucaaggag.... 0 seqgacgcgggagguacugugaucaaggUg..... 1 1 seagacgcgggagguacugugaucaaggaA..... 1 seqgacgcgggagguacugugaucaaggaC..... 1 1 seq 0 seq gacgcgggaggCacugugaucaaggagg.... 3 1 sea 1gacgcgggagquacuqugaucaaggagA..... 1 seq 0 gacgcgggagguacugugaucaaggaggc.....gacgcgggagguacugugaucaaggaggc.... 11 1 qacqcqqqaqquacuquqaucaaqqaqqU.... sea gacgcgggagguacugugaucaaggaggA.......... seqgacgcgggagguacugCgaucaaggaggca..... 1 1 sea 2 1gacgcgggagguacugugaucaaggaggcG..................... seq 0gacgcgggagguacugugaucaaggaggca.....gacgcgggagguacugugaucaaggaggca.... 11 seq 1gacgcgggagguacugugaucaaUgaggca...... 1 seq gacgcgggagguacugugaucaaggagCca. 1 seq 2 0 seq 0acgcgggagguacuguga..... seq 3 0acgcgggagquacuqugau.....Ucgcgggagguacugugau..... seqacgcgggagguacugugauc..... 5 n sea 1 1acgcAggagquacuquqauc..... seq

.....acgcgggagguacugugauA.....

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg 2 0acgcgggagguacugugauca..... seqacqcqqqaqquacuqugaucaa..... 6 0 seqacgcgggagguacugugaucaag..... 2 0acgcgggagguacugugaucaagg..... seq 1acgcgggagguacugugaucaagA...... seq 0acgcgggagguacugugaucaagga...... 3 seqacgcgggagquacuqugaucaaggaA..... 1 1 seq 0acgcgggagguacugugaucaaggaggc..... 0 acqcqqqaquacuquqaucaaqqaqqca. 3 seaacgcgggagguGcugugaucaaggaggca...... seqacqcqqqaqquacuquqaucaaqqaqqcaC..... 1 1 seqacgcgggagguacugugaucaGggaggcagu...... 1 0 seq 1 2cgcgggagguacugugaC..... seqcgcgggagguacugugau..... 20 0 seqcqcqqqaqquacuqCqau..... 1 1 seqAgcgggagguacugugauc..... CGCGGGAGGUACUGUGAUC 12 0 sea 1 1 seqcgcgggagguacugugauA..... 1 1 sea sea 0cgcgggagguacugugauca..... 22 seq 1 2 seqcgcgggagguacugugaucaa..... 7 0 seq 1 1 seq 0cgcgggagguacugugaucaagg..... 9 0 sea 3 1cgcgggagguacugugaucaagA...... seq 0cgcgggagguacugugaucaagga...... 15 seq 0 seq 1 1 1 seacgcgggagguacugugaucaaggagg..... 1 0 2 0 seq seq 1 1 sea 1 1cgcgggagguacugugaucGaggaggca...... seq 0 11 1cgcgggagguacugugaucaaggaggcagG...... seqcgcgggagguacugugaucaaggaggcagA........ 1 seq 2 1 seacgcgggagguacugugaucaaggaggcaAu...... 2 1 seq 2 1 0cgcgggagguacugugaucaaggaggcagu..... seqcgcgggagguacugugaucaaggaggcaguU...... 1 1 seq 0 8cgcgggagquacuqugaucaaggagqcaquc..... seq 1 1cgcgggagguacugugaucaaggaggcaguA....... 1 0gcgggagguacugugau..... seq gegggagguacugugauc..... 0 seq gegggagguaAugugauc.....gegggagguaAugugauc 1 1 seaAcgggagguacugugauca..... 1 seq gcgggagguacugugauca.....gcgggagguacugugauca.... 13 0 seq 0gcgggagguacugugaucaa..... seq gcgggagguacugugaucaag.... 3 n seq 0 2gcgggagquacuqugaucaagg..... seq 0gcgggagguacugugaucaagga.... 13 1 qcqqqaqquacuquqaucaaqqG..... seaggggagguacugugaucaaggagg.... 0 seq gegggagguacugugaucaaggaggc.....gcgggagguacugugaucaaggaggc.... 8 0 sea 3 1 gcgggagguacugugaucaaggaggU..... seq 1 1 0gcgggagguacugugaucaaggaggca...... seqgcgggagguacugugGucaaggaggca..... 1 seqgcgggagquacugugaucaaggaggcG...... 1 1 seq 1gcAggagguacugugaucaaggaggca...... seq 9 0 gegggagguacugugaucaaggaggcagC..... seq gcgggagguacugugaucaaggaggcagA......gcgggagguacugugaucaaggaggcag 1 1 sea 1 1gcgggagquacuqugaucaaggagqcagG...... seq

gegggagguacugugaucaaggaggcagAc.....gegggagguacugugaucaaggaggcagAc....

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg gegggagguacugugaucaaggaggcaguA...... seq gcgggagquacuqugaucaaggagqcaguc...... 5 0 seqcgggagguacugugauca..... 0 seq 0 8cgggagguacugugaucaag...... seq 4 0cgggagguacugugaucaagg...... seq 1 1 seq 1cgggagguacCgugaucaagga..... 5 0 . Cqqqaquacuquqaucaaqqa sea 0cgggagguacugugaucaaggag..... seqcqqqaqquacuquqaucaaqqaqqc..... 1 0 seqcgggagguacugugaucaaggaggA...... 1 1 seq 0 7 seqcgUgagguacugugaucaaggaggca..... 1 1 seq 0cqqqaqquacuquqaucaaqqaqqcaq..... 2 seq 0 2 1 sea 1 1Ugggagguacugugaucaaggaggcagu....... seq 1 1cgggagguacugugaucaaggaggcagAc...... sea 0cgggagguacugugaucaaggaggcaguc..... sea 1cgggagguaUugugaucaaggaggcaguc..... 1 seq 1 2cgggagguacugugaucaaggaggcagucA...... seqgggagguacugugaucaaggaggcagucc..... 2 0 seqcqqqaqquacuquqaucaaqqaqqccC...... 1 1 seq .cgggagguacugugaucaaggaggcaguccG.cgggagguacugugaucaaggaggcaguccu..... 2 0 sea 13 0 seq 0gggagguacugugaucaag....... 7 seq 0gggagguacugugaucaagg..... seq 1gggaggCacugugaucaagga...... 1 1 .Aggagguacugugaucaagga 1 seagggagguaUugugaucaagga..... 1 1gqqaqquacuquqaucaaqqa..... 15 0 seqgggagguacugugaucaaggag..... seq gggagguacugugaucaaggagA.....gggagguacugugaucaaggag 1 1 sea 2 0 seq 1 1gggagguacugugaucaaggagU............................... 0gggagguacugugaucaaggaggc..... seqgggagguacugugaucaaggaggU....... 2 1 seq 2 1 sea gggagguacugugaucaaggaggca..... 21 0 seq 1 1 1gggagguacugugaucaaggaggcU...... seq gggagguacugugaucaaggaggcG.....gggagguacugugaucaaggaggcG. 4 1 seq 0 1gggagquacuquqaucaaggagqcag...... seq 0 1gggagguacugugaucaaggaggcagG...... seqAggagguacugugaucaaggaggcagu...... 1 seq gggagguacugCgaucaaggaggcagu..... 1 1 sea gggagguacugugaucaaggaggcagC......gggagguacugugaucaaggaggcag 1 seqgggagguacugugGucaaggaggcagu..... 1 1 seq 1 1gggagguacugugaucaaggaggcagGc................. seq .gggagguacugugaucaaggaggcaguc..... 19 n seq 1gggagquacuquqaucaaggagqcaquA....... 1 seq 0gggagguacugugaucaaggaggcagucc..... 2 1 1 seagggagguacugugaCcaaggaggcaguccu..... seq gggagguacugugaucaaggaggcaguccu......gggagguacugugaucaaggaggcaguccu..... 2 0 sea 1 1Uggagguacugugaucaaggaggcaguccu..... seq 0ggagguacugugaucaag..... 19 seq 1ggagguacugugaucaCg..... 1 seq ggagguacugugaucaaA..... 1 seqggagquacuquqaucaagU..... 1 1 seq ggagguacCgugaucaagg..... 1ggagguacugugaucaagg..... seq 28 0Agagguacugugaucaagg...... seq ggagUuacugugaucaagga..... 1 1 sea 1 1ggagquacuqugaCcaagga..... seq

.....ggagguacugugaucaaggU.....

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacuggggaggCacugugaucaagga..... seqgqaqquacuquqaucGaqqa..... 1 1 seq ggagguacugugaucaaggC..... 58 0ggagguacugugaucaagga..... seq 1ggagguacugugaucaaggG..... seq 1ggagguacAgugaucaaggag..... 1 seq ggagquacuquqaucaaggaC......ggagquacuqugaucaaggaC.... 1 1 seq 0ggagguacugugaucaaggag..... 9 5 1 seaggagguGcugugaucaaggagg..... seqggagguacugugaucaaggagU..... 1 1 seq .ggagguacugugaucaaggagA...... 13 0ggagguacugugaucaaggagg..... seq 1ggagguacugugaucaaggaggU..... seqAgagguacugugaucaaggaggc...... 2 1 seqggagquacuquqaucaagqaqqA..... 13 1 seq ggagguacugugaucaaggaggc..... 0ggagguacugugaucGaggaggc..... 1 1 sea 1ggagguacugugaucaaggagAc........... seq ggagguacugugaucaaggagCca..... 1 1 sea ggagguacugugaucaaggaggUa..... sea 1Agagguacugugaucaaggaggca...... 1 seq 1 2ggagguacugugaucaaggaggcU....... seq ggagguacugugaucaaggaggca.....ggagguacugugaucaaggaggca. 58 0 seqggagquacuquqaucaagqagqG..... 5 1 seq ggagguacugugaucaaggaggcC..... ggagguacugugaucaaggaggcag..... 12 0 sea 1 1ggagguacugugaucaaggaggcaA...... seq 1 1ggagguacugugaucaaggaggcaC...... seq 0 seq 1 ggagguacugugaucaaggaggcCgu.....ggagguacugugaucaaggaggcCgu. 1 1ggagguacugugaucaaggaggcagC..... 50 sea ggagguacugugaucaaggaggcagG..... 9 1ggagguGcugugaucaaggaggcagu...... 3 1 seqUgagguacugugaucaaggaggcagu...... seq ggagguacugugaucaaggaggUagu..... 1 1 sea 1 1ggagguacugugaucaaggGggcagu...... seq 1 ggagguacugugaucaaggagAcagu.....ggagguacugugaucaaggagAcagu.... 1 1ggagguacugugaucaaggaggcGgu...... seqggagguacugugaucaaggaggcagA....... 1 seq 5 1 seaAgagguacugugaucaaggaggcagu...... 4 1 seqggagquacCquqaucaagqaqqcaqu...... 1 1 1 ggagguacugugaucaaggaggcagAc..... seq ggagguacugugaCcaaggaggcaguc..... 1 1 seq 1ggagquacuquqaucaaggagqcaquA....... seq 1 ggagguacugugaucaaggaggcagCc.....ggagguacugugaucaaggaggcagCc..... 2 1ggagguacugugaucaaggaAgcaguc..... seq ggGgguacugugaucaaggaggcaguc.....ggGgguacugugaucaaggaggcaguc. seq ggagguacugugaucaaggGggcaguc..... 1 1 sea ggagguacugugaucaaggaggcagGc..... 1 seqggagguacugugaucaaggaggcaguc..... 134 0 seq 1ggagguacugugGucaaggaggcaguc..... 4 seq ggagguacugugaucGaggaggcaguc..... 1 1 seq 1ggagquacuquqaucaaggagqcaquU....... 13 seq 1ggagguacugCgaucaaggaggcaguc..... 1 .gqUqquacuquqaucaaqqaquc..... sea ggagguacugugaucaaggaggcagucA..... seq ggagguacugugaucaaggaggcagucc..... 3 0 sea 1 1ggagguacugugaucaaggaggcaguccA...... seq 1ggagAuacugugaucaaggaggcaguccu..... 1 0 4ggagguacugugaucaaggaggcaguccu..... seq gagguacugugaucaag.....gagguacugugaucaag.... 0 seq gagquacCgugaucaagg.... 1 1 seqgagguacugugaucaagC...... 1 gagguacugugaucaGgg.....gagguacugugaucaGgg.... seq 1 1 1gagguacugCgaucaagg...... seq 1 1 sea 1 1 gaqUuacuquqaucaagg..... seq

.....gagguacugugaucaagg......

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg gagguacugugaucaagga.....gagguacugugaucaagga.... 0 seqgUqquacuqugaucaaqqa..... 1 1 seq gagguacugugaucaaggG.... gagguacugugaucaaggU..... 1 1 seq 1gGgguacugugaucaagga..... 1 seq 3 1gagguacugugaucaaggaA..... seq gagquacuquqaCcaaggag..... 1 1 seq 1 1 0 gagquacuquqaucaaqqaq 19 sea 1gagguacugugaucaaggagA..... seqgagquacuquqaucaaqqaqq..... 5 0 seq 1 1gagguacugugaucaaggagAc..... seq 0gagguacugugaucaaggaggc..... 66 seq gagguacugugaucaaggaggU......gagguacugugaucaaggaggU..... 18 1 seqgagquacuquqaucaaqqaqqA.... 11 1 seq gagguacugugaucaaggaggG..... gagquacuquqaucaaqqaqCc.... 1 1 sea 1 1gagguacuAugaucaaggaggc................gagguacuAugaucaaggaggc......... seq 1 1 seagagguacugugaucaaggaggcG..... sea 1gagguacuAugaucaaggaggca..... 1 seq 1 1gagguacugugaucaaggagCca...... seq gagguacugugaucaaggagAca.....gagguacugugaucaaggagAca. 1 1 seq 0gagquacuquqaucaaqqaqqca.... 50 seq gagguacugugaucaaggaggcU.....gagguacugugaucaaggaggcaC...... 1 1 sea 12 0gagguacugugaucaaggaggcag..... seq 1 1gagAuacugugaucaaggaggcagu...... seqgagguacugugaucaaggaggcagC......gagguacugugaucaaggaggcagC.... 1 seq 1gagguacugugaucaaggUggcagu...... 1 1 qUqquacuquqaucaaqqaqqcaqu..... 1 seagGgguacugugaucaaggaggcagu..... 2 1gagquacuquqaucaaqqaqqcaAu..... 2 1 seq gagguacugugaucaaggaggcagu.....g seqgagguacugugaucaaggaggcagA...... 5 1 sea 2 1gagguacugugaucaaggaggcagG...... seq 1 1gagguacugugaucaaggGggcagu.....gagguacugugaucaaggGggcagu.... 1Aagguacugugaucaaggaggcagu...... seqgCgguacugugaucaaggaggcagu...... 1 seq gagquacuquqaucaGqqaqqcaqu. 1 1 seagagguacugugaucaaggaggcaCu...... 1 seqgagquacuquqUucaaqqaqqcaqu..... 1 1 1gagguacugCgaucaaggaggcagu...... seqgagguacugugaucGaggaggcaguc..... 1 1 seq 1 seq 0gagguacugugaucaagggaguc......gagguacugugaucaagggaguc.... 71 1gagguacugugaucaaggaggcaguA..... seq gagguacugugaucaaggaggcagAc.....gagguacugugaucaaggaggcagAc.... 1 seq qaqquacuquqaucaaqqaqqcaqCc 1 1 sea 1 seqgagguacugugaucaaggaggcagucc..... 1 0 seq 1gagguacugugaucaaggaggcaguccC......gagguacugugaucaaggaggcaguccC..... seqgagguacugugaucaaggaggcaguccu..... 1 n sea 1agquacuquqaucaaggG..... 1 seq 0agguacugugaucaagga..... 34 1 1 agquacuquqaucaaqqU..... sea agguacCgugaucaagga..... seqagguacugugaucaaggag..... 11 0 sea 1agguacugugaucaaggaA...... 3 seq 1 1agguacugugaucaaggagU...... 1 1agguacugugaucaaggagA..... seq agguacugugaucaaggagg..... 0 seqagquacuquqaucaaggagqA..... 1 seqagguacugugaucaaggagAc...... 2 1 seq 1 1agguacugugauUaaggaggc..... seq seqagguacugugaucaaggaggU..... 5 1 0 30agquacuquqaucaaggaqqc..... seq

.....agguacugugaucaaggaggUa......

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacuggagguacugugaucGaggaggca...... seqaqquacuqugaucaaqqaqqca...... 23 0 seqagguacugugaucaaggaggcG......agguacugugGucaaggaggcag..... 1 1 seq 1 1 seq 5 0 seq 11 0 seq 1 1 1 seaagguacugugaucaaggaAgcagu....... seqagquacuquqaucaagqaqqcaqC...... 3 1 seqagguacugugaucaaggaggcagG......agUuacugugaucaaggaggcagu..... 1 seq 0agguacugugaucaaggaggcaguc...... seqagguacugugaucaaggaggcaguA...... 2 1 seqagquacuquqaucaagqaqqcaquU...... 1 1 seq gquacuquqaucaaqqaqq 6 0 sea 13 0 seq gguacugugaucaaggaggA.....gguacugugaucaaggaggA.... 1 1 seaAguacugugaucaaggaggc...... sea 1gguacugugaucaaggaggcG..... 3 seq 1 1 seqgguacugugaucaGggaggca..... 1 1 seq 0gquacuquqaucaaqqaqqca..... 12 seqgguacugugaucaaggagCca gguacugugaucaaggaggcaC.....gguacugugaucaaggaggcaC.... 1 1 sea 1 1gguacugugaucaaggaggcaA..... seq 2 0gguacugugaucaaggaggcag...... seq gguacugugaucaaggaggcagC......gguacugugaucaaggaggcagC..... 1 seq 0gguacugugaucaaggaggcagu..... 1 gquacuquqaucaaqqaqqcaqA..... 1 sea gguacugugaucaaggGggcaguccucu.....gguacugugaucaaggGggcaguccucu.... 3 1gquacuquqaucaaqqaqqccucu...... 1 0 seq gguacugugaucaaggaggcaguccucucaa...... seq guacugugaucaaggagU..... 1 1 sea 2 1Auacugugaucaaggagg..... seq 5 1guacugugaucaaggagA....... 0guacugugaucaaggagg..... seq 1 seq quacuquqaucaaqqaqqc.... 10 0 seaguacugugaucaaggaggU..... 1 seqquacuquqaucaaqqaqqA..... 1 1 1 guacugugaucaaggaggcG..... seq guacugugaucaGggaggca.....guacugugaucaGggaggca.... 2 1 seq 1 1quacuquqGucaaggaqqca..... seq 0guacugugaucaaggaggca..... 1guacugugaucaaggaggcaU..... seq guacugugaucaaggaggcaguccA...... seq quacuquqaucaaqqaqqcquccu 8 0 seaguacugugaucaaggaggcaguccucA..... 1 seq guacugugaucaaggaggcaguccucu.....guacugugaucaaggaggcaguccucu.... 2 0 seqAuacugugaucaaggaggcaguccucu...... 1 seq guacugugaucaaggaggcaguccucuc..... 2 n seq 1quacuquqaucaaggaggUaquccucuc...... 1 seq 0 guacugugaucaaggaggcaguccucuca..... 2 0 quacuquqaucaaqqaqqcaquccucucaa..... sea guacugugaucaaggaggcaguccucucaag..... 0 sequacugugaucaaggaggG..... 1 1 sea 8 0uacugugaucaaggaggc...... seq 1 1uacugugaucaaggagAc..... seq 2 1uacugugaucaaggaggA..... sequacugugaucaaggaggG...... 2 1 seq 1 1 sequacugugaucGaggaggca...... 1 37 0 sequacugugaucaaggaggcC...... sequacugugaucaaggaggcU...... 1 1 sea 1 1 seq

.....uacugugaucaaggaggcag.....

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugguacugugaucaaggaggcah..... seq .uacuqugaucaaqqaqqcaqu...... 1 0 seq uaUugugaucaaggaggcagu......uacugugaucaaggaggcagucU..... 1 seq 0uacugugaucaaggaggcagucc..... seq 4 1uacugugaucaaggaggcaguccC...... sequacuquqaucaaggaqqcaquccA..... 8 1 seq 0 21 1 2 seauacugugaucaaggaggcaguccG..... sequacuquqaucaaqqaqqcaqucAu....... 1 1 seq uacugugaucUaggaggcaguccu..... 1uacugugaucaaggaggcaguccuA..... seq 0 1uacugugaucaaggaggcaguccuc...... sequacugugaucaaggaggcaguccucu...... 4 0 sequacuquqaucaaqqaqqccucC..... 3 1 sequacugugaucaaggaggcaguccucA...... 0 uacuquqaucaaqqaqqcqquccucuc...... 1 sea 0 seq 2 1 seauacugugaucaaggaggcaguccucucaag...... sea 1 1acugugaucaaggaggcU...... seq 0 32acugugaucaaggaggca...... seqacugugaucaaggagAca...... 1 1 seq .acuquqaucaaqqaqqcG.... 1 1 seq acugugaucaagUaggca. acugugaucaaggaggcag..... 1 0 sea 0acugugaucaaggaggcagu...... seq 1 1acugugaucaaggaggcGgu...... seq 0acugugaucaaggaggcaguc...... seq 1acugugaucaaggaggcagGc...... 1 acuquqaucaaqqaqqcaqucA. 3 sea acugugaucaaggaggcagucc......acugugaucaaggaggcagucc 6 0 .acuquqaucaaqqaqqccG..... 6 1 seq acugugaucaaggaggcaguccu...... seq acugugaucaaggaggcaguccA......acugugaucaaggaggcaguccA.... 16 1 sea 1 1 seq 1acugugaucaaggaggcaguccC................................. 12 0acugugaucaaggaggcaguccuc...... seqacugugaucaaggaggcaguccuU...... 1 seq acuquqaucaaqqaqqcqquccucC..... 1 1 sea acugugaucaaggaggcaguccucA...... 1 seq .acuquqaucaaqqaqqccucu...... 5 0acugugaucaaggaggcaguccucuc...... seq acugugaCcaaggaggcaguccucuc.....acugugaCcaaggaggcaguccucuc 1 1 seq 0 3acuquqaucaaggaqqccqucuca....... seq 0acugugaucaaggaggcaguccucucaag...... 1 1acugugaucaaggaggcaguccucucaaggU...... seqacugugaucaaggaggcaguccucucaaggA...... 1 seq .cuquqauCaaqqcaA. 1 1 seacugugaucaaggaggcag..... 0 seqcugugaucaaggaggcagC...... 9 1 seq 87 0 seqcugugaucaaggaggcagA...... 4 1 seq 2 1 seq 1 1 1 seacugugaucGaggaggcaguc..... seqcugugaucaaggGggcaguc..... 1 1 sea 1 1cugugaucaaggaggcaguA...... seq 2 1cCgugaucaaggaggcaguc..... 1 1cugugaucaGggaggcaguc..... seqcugugaucaaggaggcaguc..... 0 seq 1 1 seq 1cugugaucaaggaggcagucU..... 18 1 seq seqcugugaucaaggaggcaguAc..... 1 1 sea 1 1 seq

.....cugugaucaaggaggcaguccG.....

1

Macure			
uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg			
cugAgaucaaggaggcaguccu.	1	1	seq
.cugugaucaaggaggcaguGcu.	1	1	seq
.cugugaucaaggaggcagucAu.	3	1	seq
cugugaucaaggaggcaguccA	62	1	seq
cugugaucaaggaggcaguccu.	140	0	seq
.cugugaucaaggaggcagucUu.	1	1	seq
cugugaucaaggaggccC	37	1	seq
cugugaucaaggaggcaguccuc	1	0	seq
cugugaucaaggaggcaguccucu.	8	0	seq
.cugugaucaaggaggcaguccucG.	2	1	
			seq
cugugaucaaggaggcaguccucA	3	1	seq
cugugaCcaaggaggcaguccucu	1	1	seq
cugugaucaaggaggccuUu	1	1	seq
	4	1	
.cugugaucaaggaggcaguccucC.			seq
cugugaucaaggaggcaguccucuA	1	1	seq
cugugaucaaggaggcaguccucuc	6	0	seq
.cugugaucaGggaggcaguccucuca	1	1	seq
			_
.cugugaucaaggaggcaguccucucG.	3	1	seq
cugugaucaaggaggcaguccucuca	9	0	seq
cugugaucaaggaggcaguccucucaa	5	0	seq
.cugugaucaaggaggcaguccucucaagU	2	1	seq
.cugugaucaaggaggcaguccucucaagg.	1	0	seq
	3	1	seq
cugugaucaaggaggcaguccucucaaggc	15	0	seq
.cugugaucaaggaggcaguccucucaagCc.	1	1	seq
.cugugaucaaggugugucucucaaggu	2	1	seq
cugugaucaaggaggcaguccucucaagggg	6	0	seq
	1	1	seq
ugugaucaaggaggcagG.	1	1	seq
			_
ugugaucaaggaggcagA	2	1	seq
Cgugaucaaggaggcagu	1	1	seq
ugugaucaaggaggcaCu	1	1	seq
ugugaucaaggaggAagu	2	1	seq
ugugaucaaggaggcagC.	10	1	peq
ugugaucaaggaggcagu	49	0	seq
ugugaCcaaggaggcagu	1	1	seq
ugugaucaaggaggcaAu	2	1	seq
ugugaucaaggaggcaguc	9	0	seq
ugugaucaaggaggcagucU	8	1	seq
ugugaucaaggaggcagucc	49	0	seq
ugugaucaaggaggcagucA.	18	1	seq
		1	_
ugugaucaaggaggcGgucc	1		seq
ugugaucaGggaggcc	1	1	seq
ugugaucaaggaggcaguAc	2	1	seq
ugugaucaaggaggcGguccu.	3	1	seq
Cgugaucaaggaggcaguccu.	1	1	seq
ugugaucaaggaggcaguccC	57	1	seq
ugugaCeaaggaggcaguccu	3	1	seq
ugugaucaaggaggcagucAu.	1	1	seq
		0	
ugugaucaaggaggcaguccu	141		seq
ugugaucaaggaggcaguccG	22	1	seq
ugugaucaaggaggcagucUu	2	1	seq
ugugaucaaggaggcaguccA.	53	1	seq
	1	1	_
ugugaucaaggaggcagCccu			seq
ugugaucaaggaggcaguGcu	2	1	seq
ugugaucaaggaggcaguccuc	5	0	seq
ugugaucaagg@ggcaguccuc.	1	1	seq
	1	1	
ugugaucaaggaggcaguccuU			seq
ugugaucaaggaggcaguccuA	2	1	seq
ugugaucaaggaggccucC	3	1	seq
ugugaucaaggaggccucA	10	1	seq
ugugaucaaggaggcaguccucu	30	0	seq
			_
ugugaucaaggaggcaguccucG.	1	1	seq
ugugaucaaggaggcaguccuAu	2	1	seq
ugugaucaaggaggcaguccucu A .	2	1	seq
ugugaucaaggaggcaguccucuc	3	0	_
			seq
	8	0	peq
ugugaucaaggaggcaguUcucucaa	1	1	seq
ugugaucaaggaggcaguccucucaa	7	0	seq
ugugaucaaggaggcaguccucucaag	4	0	seq
ugugaucaayyayycayuccucucaag	*	U	seq

Macure			
uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg			
ugugaucaaggaggcaguccucGcaag	1	1	seq
ugugaucaaggaggcaguccucucaaggc	10	0	seq
ugugaucaaggaggcaguccucucaaggA	3	1	seq
		1	
ugugaucaaggaggcaguccCcucaaggcg	1		seq
ugugaucaGggaggcaguccucucaaggcg.	1	1	seq
ugugaucaaggaggcaguccucucaaggcA	3	1	seq
ugugaucaaggaggcaguccucucaaggcg	8	0	seq
ugugaucaaggaggcaguccucucaaggcga	15	0	seq
ugugaucaaggaggcaguccucucaaggcCa	1	1	seq
ugugaucaaggaggcaguccucucaaggcgG	2	1	seq
ugugaucaaggaggcaguccucucaaggcgU	1	1	seq
.gugaucaaggaggcaguc	13	0	seq
gugaucaaggaggcaguA	1	1	seq
gugaucaaggUggcaguc	1	1	seq
	1	1	seq
gugaucaaggaggcagGc			
gugaCcaaggaggcaguc	1	1	seq
.gugaucaaggaggcagCcc	1	1	seq
.gugaucaaggaggcagucA	1	1	seq
gugaucaaggaggcagucc	13	0	seq
.hugaucaaggaggcagucc.	1	1	seq
	11	1	
gugaucaaggaggcaguccC			seq
	1	1	seq
.gugGucaaggaggcaguccu	1	1	seq
.gugaucaaggaggcaguccu	32	0	seq
.gugaucaaggaggcaguccG.	6	1	seq
gugaucGaggaggcaguccu	1	1	seq
gugaucaaggaggcaguccA.	13	1	seq
.Augaucaaggaggcaguccuc	1	1	seq
.gugaucaaggaggcaguccucu	15	0	seq
gugaucaaggaggcaguccucC	2	1	seq
gugaucaaggaggcaguccucG.	2	1	seq
	4	1	
gugaucaaggaggcaguccucA			seq
gugaucaaggaggcaguccucuca	5	0	seq
.gugaucaaggaggcaguccucaC	1	1	seq
.gugaucaaggaggcaguccucucaa	2	0	seq
gugaucaaggaggcaguccucucaag	2	0	seq
gugaucaaggaggcaguccucucaagg.	5	0	seq
gugaucaaggaggcaguccucucaagA	2	1	seq
.gugaucaaggaggcaguccucucaaggU.	3	1	seq
gugaucaaggGggcaguccucucaaggc	1	1	seq
.gugaucaaggaggcaguccucucaaAgc	1	1	seq
gugaucaaggaggcaguccucucaaggc	7	0	seq
gugaucaaUgaggcaguccucucaaggcg	1	1	seq
	-	_	
gugaucaaggaggcaguccucucaaggcg.	5	0	seq
.gugaucaaggaggcaguccucucaaggcA	2	1	seq
.gugaucaaggaggcaguccucucaaggcga	10	0	seq
gugaucaaggaggcaguccucucaaggcgG	2	1	seq
gugaucaaggaggcaguccCcucaaggcgag.	1	1	seq
gugaucaaggaggcaguccucucaaggcgag	23	0	seq
Augaucaaggaggcaguccucucaaggcgag	1	1	seq
.gugaucaaggaggcaguccucucaaggcgaA.	3	1	seq
ugaucaaggaggcaguccu	1	0	seq
ugaucaaggaggcaguccucucaa	1	0	seq
.ugaucaaggaggcaguccucucaagg	1	0	seq
	1	1	
gaucaaggaggcaguccucC		_	seq
gaucaaggaggcaguccucu.	1	0	seq
gaucaaggaggcaguccucucaaggc	1	0	seq
gaucaaggaggcaguccucucaaggcA	1	1	seq
gaucaaggaggcaguccucucaaggcgag.	2	0	seq
gaucaaggaggcaguccucucaaggcgaggc	1	0	seq
aucaaggaggcaguccucucaaggU	1	1	seq
aucaaggaggcaguccucucaaggcA	4	1	seq
.aucaaggaggcaguccucucaaggcg	1	0	seq
aucaaggaggcaguccucucaaggcga	4	0	seq
aucaaggaggcaguccucucaaggcgag.	2	0	seq
Gucaaggaggcaguccucucaaggcgag	1	1	_
			seq
aucaaggaggcaguccucucaaggcgaggcA	2	1	seq
.uUaaggaggcaguccucucaaggc.	1	1	seq
.ucaaggaggcaguccucucaaggcgU	1	1	seq
ucaaggaggcaguccucucaaggcga	2	0	seq

${\tt uuc} {\tt accgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg}$			
ucaaggaggcaguccucucaaggcgag	8	0	seg
ucaaggaggcaguccucucaaggcgaggc.	1	0	seg
	1	1	
ucaaggaggcaguccucucaaggcgaggcU.			seg
caaggaggcaguccucucaagAc	1	1	seq
caaggaggcaguccucucaaggcg	5	0	seg
	3	1	seg
caaggaggcaguccucucaaggcgU	1	1	seg
	1	1	
caaggaggcaguccucucaaggUga.			seg
caaggaggcaguccucucaaggcga	3	0	seg
caaggagAcaguccucucaaggcga	1	1	seg
caaggaggGaguccucucaaggcgag	1	1	seg
caaggagcaguccucucaaggcgag	20	0	seg
caaggaggcaguccucucaaggcgaA.	2	1	seq
caaggaggcaguccucucaaggcgaC	1	1	seg
caaggaggcaguccucucaaggcgagg	4	0	seq
	3	0	seg
caaggagycaguccucucaaggcgaggcc.	3	0	seg
		1	
caaggaggcaguccucucaaggcgaggccAc.	1		seg
aaggaggcaguccucucaaggc	5	0	seq
aaggaggcaguccucucaaggcg	7	0	seg
aaggaggcaguccucucaaggcgU	1	1	seq
aaggaggcaguccucucaaggcgG.	2	1	seg
	12	0	
aaggaggcaguccucucaaggcga			seq
aaggaggcaguccucucaaggcgag	9	0	seq
aGggaggcaguccucucaaggcgag	1	1	seg
aaggaggcaguccucucaaggcgagAc	1	1	seq
aaggaggcaguccucucaaggcgaggc.	4	0	seg
	1	1	
aaggaggcaguccucucaaggcgaggcccA.			seg
agUaggcaguccucucaagg	1	1	seg
aggaggcaguccucAcaaggcga	1	1	seg
	1	1	seq
.aggaggcaguccucucaaggcgag.	4	0	seg
	1	1	
.aggaggcaguccucucaaggcgaA.			seg
.aggaggcaguccucucaaggcgaggcccc.	1	0	seq
ggaggcaguccucucaaggcA	1	1	seg
ggaggcaguccucucaaggcg	1	0	seq
ggaggcaguccucucaaggcgaA.	1	1	seg
	1	0	
ggaggcaguccucucaaggcgag			seq
ggaggcaguccucucaaggcgaggc	1	0	seq
gaggcaguccucucaaggcgaggcaguccucucaaggc	2	0	seg
gaggcaguccucucaaggcU	1	1	seq
gaggcaguccucucaaggcga	2	0	seg
	2	0	
gaggcaguccucucaaggcgag.			seg
aggcaguccucucaaggc	1	0	seg
aggcaguccucucaaggA	3	1	seg
.ggcaguccucucaaggcgag	1	0	seq
gcaguccucucaaggcgag.	1	0	seg
	2	0	
.ccucucaaggcgaggccc			seg
.ccucucaagggaggccA.	2	1	seq
ccucucaaggcgaccA	2	1	seq
ccucucaaggcgaggcccc	1	0	seg
.ccucucaaggcgaggcccAuu	1	1	seg
cucucaaggcgaggcccG.	1	1	seq
.cucucaaggcgaggcccA	5	1	seg
cucucaaggcgaggccc	2	0	seq
gaggcccuuucauugcacuucg.	1	0	seq
.cccuuucauugcacuucg	1	0	seg
	2	0	
cccuuucauugcacuucga			seq
cccuuucauugcacuucgacG.	1	1	seq
cccuuucauugcacuucgacA	3	1	seq
	8	0	seq
.cccuuucauugcacuucgacC.	2	1	seg
	1	1	seq
cccuuucauugcacuucgacuU.	1	1	seq
cccuuucauugcacuucgacug.	22	0	seg
.cccuuucauugcacuucgacuA.	6	1	seq
ccuuucauugcacuucga	2	0	seg
ccuCucauugcacuucga	1	1	seg
	2	0	seg
cuuucauugcacuucgacA	9	1	seg

uucaccgagggcagacguugaaaaagcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccuuucauugcacuucgacugg			
	1	1	seq
	1	1	
	5	1	seq seq
	20	0	seq
	1	1	seq
.ccuucauugcacuucga.v.	2	1	seq
	15	1	seq
	1	1	seq
.ccuuucauugcacuucgacug.	35	0	
.ccuuucau0gcacuucgacug.	1	1	seq
.ccuuucauugcacuucgacuU.	1	1	seq
	1	1	seq seq
.ccuuucauugcacuucgGcug.	1	1	seq
	2	1	seq
	10	0	seq
	1	1	seq
	1	1	
	1	1	seq seq
	1	1	seq
	58	0	
	7	1	seq seq
	7	1	seq
	17	1	
	26	1	seq
		1	seq
	2		seq
	2 57	1 0	seq
			seq
	1	1	seq
cuuucauugcacuucgacAg.	1	1	seq
cuuucauugcacuucgacCg.	3	1	seq
cuuucauugcacuucgacugg	3	0	seq
	7	1	seq
uuucauugcacuucgacC	22	1	seq
	68	0	seq
	1	1	seq
	27	1	seq
	1	1	seq
	2 1	1	seq
-	114	1	seq
		1	seq
	1 2	1	seq
	2	1	seq
	2	1	seq
uuucautgaautgaau	3	1	seq
	2	1	seq
	7	1	seq
	244	0	seq
	1	1	seq
	3	1	seq
	5	1	seq seq
	3	1	seq
	1	1	
	1	1	seq seq
	2	1	seq
	8	1	seq
	7	0	seq
	3	1	seq
	2	0	seq
	1	1	seq
.uucauugcacuucgGcug	1	1	seq
. Aucauugcacuucgacug.	1	1	seq
	3	1	seq
	2	1	seq
	1	1	seq
	8	1	seq
.uCcauugcacuucgacug.	1	1	seq
.uucauugcGcuucgacug	4	1	seq
	5	1	seq
	3	1	seq
344443			u

uuc accgagggcagacguugaaaa a gcauacuuaccugacgcgggagguacugugaucaaggaggcaguccucucaaggcgaggccccu uucauugcacuucgacugg			
	1	1	seq
.uucaGugcacuucgacug.	1	1	seq
	1	1	seq
.uucauugcacuucgacuA.	198	1	seq
	1	1	seq
	14	1	seq
.uucauugcacuCcgacug.	3	1	seq
.uucauugcacuucgacGg.	20	1	seq
.uucauugcacuucgacuC.	4	1	seq
.uucauugTacuucgacug.	2	1	seq
.uucauugcacuuUgacug.	2	1	seq
	519	0	seq
uucauugcacuucgacugg	5	0	seq
.uucauugcacuucgacugA	3	1	seq
Uncapacid Security of the secu	1	1	seq
ucauugcacuucgacug.	2	0	seq
ucauugcacuucgacugA	1	1	seq
ucauugcacuucgacugg	5	0	seq
cauugcacuucgacugg	1	0	seq