

**Table S1**

**#Pri-miR-30/NCCR5**

	Reads
CGACGGUGUAAACUGAGCUUGCUCGCGUGAAGCCACAGAUGGCGAGCAAGCUCCGUUUACACGGCUG	
.GACGGUGUAAACUGAGCUUGC.....	4
.GACGGUGUAAACUGAGCUUGCUCG.....	7
..ACGGUGUAAACUGAGCUUGC.....	3
..ACGGUGUAAACUGAGCUUGCUC.....	3
..ACGGUGUAAACUGAGCUUGCUCG.....	58
..ACGGUGUAAACUGAGCUUGCUCG.....	27
...CGGUGUAAACUGAGCUUGC.....	2
...CGGUGUAAACUGAGCUUGCUC.....	2
...CGGUGUAAACUGAGCUUGCUCG.....	38
...CGGUGUAAACUGAGCUUGCUCG.....	20
....GGUGUAAACUGAGCU.....	2
....GGUGUAAACUGAGCUU.....	3
....GGUGUAAACUGAGCUUG.....	9
....GGUGUAAACUGAGCUUGC.....	1471
....GGUGUAAACUGAGCUUGC.....	234
....GGUGUAAACUGAGCUUGCUC.....	372
....GGUGUAAACUGAGCUUGCUCG.....	19317
....GGUGUAAACUGAGCUUGCUCG.....	158788
....GGUGUAAACUGAGCUUGCUCGCG.....	576
....GGUGUAAACUGAGCUUGCUCGCGU.....	519
.....GUGUAAACUGAGCUUGC.....	10
.....GUGUAAACUGAGCUUGC.....	2
.....GUGUAAACUGAGCUUGCUC.....	2
.....GUGUAAACUGAGCUUGCUCG.....	157
.....GUGUAAACUGAGCUUGCUCG.....	2063
.....GUGUAAACUGAGCUUGCUCGCG.....	11
.....GUGUAAACUGAGCUUGCUCGCGU.....	15
.....UGUAAACUGAGCUUGC.....	12
.....UGUAAACUGAGCUUGCUC.....	5
.....UGUAAACUGAGCUUGCUCG.....	153
.....UGUAAACUGAGCUUGCUCG.....	1687
.....UGUAAACUGAGCUUGCUCGCG.....	9
.....UGUAAACUGAGCUUGCUCGCGU.....	11
.....GUAAACUGAGCUUGCUC.....	3
.....GUAAACUGAGCUUGCUCG.....	229
.....GUAAACUGAGCUUGCUCG.....	2477
.....GUAAACUGAGCUUGCUCGCG.....	4
.....GUAAACUGAGCUUGCUCGCGU.....	11
.....UAAACUGAGCUUGCUCG.....	26
.....UAAACUGAGCUUGCUCG.....	350
.....UAAACUGAGCUUGCUCGCGU.....	7
.....AAACUGAGCUUGCUCG.....	20

.....AAACUGAGCUUGCUCGC.....	395
.....AAACUGAGCUUGCUCGCG.....	2
.....AAACUGAGCUUGCUCGCGU.....	2
.....AACUGAGCUUGCUCGC.....	186
.....AACUGAGCUUGCUCGCG.....	2
.....ACUGAGCUUGCUCGCG.....	2
.....ACUGAGCUUGCUCGCGU.....	4
.....CUGAGCUUGCUCGCGU.....	2
.....CUCGCGUGAAGCCACAGAUGG.....	2
.....CGCGUGAAGCCACAGAUGG.....	2
.....CGUGAAGCCACAGAUGG.....	10
.....CGUGAAGCCACAGAUGGCG.....	123
.....GUGAAGCCACAGAUGG.....	4
.....GUGAAGCCACAGAUGGC.....	1863
.....GUGAAGCCACAGAUGGCG.....	12
.....GUGAAGCCACAGAUGGCGAG.....	2
.....UGAAGCCACAGAUGGC.....	35
.....UGAAGCCACAGAUGGCG.....	4
.....GAAGCCACAGAUGGCG.....	4
.....CCACAGAUGGCGAGCAAGCUCGUUU.....	2
.....CACAGAUGGCGAGCAAGCUCGUUU.....	2
.....CAGAUGGCGAGCAAGCU.....	2
.....CAGAUGGCGAGCAAGCUCGUUU.....	2
.....CAGAUGGCGAGCAAGCUCGUUUACA.....	3
.....UGGCGAGCAAGCUCGUUUACACGGC.....	2
.....GGCGAGCAAGCUCGUUUAC.....	2
.....CGAGCAAGCUCGUUUAC.....	2
.....CGAGCAAGCUCGUUUACAC.....	5
.....CGAGCAAGCUCGUUUACACG.....	8
.....CGAGCAAGCUCGUUUACACGG.....	659
.....CGAGCAAGCUCGUUUACACGGC.....	5983
.....CGAGCAAGCUCGUUUACACGGCU.....	719
.....GAGCAAGCUCGUUUAC.....	17
.....GAGCAAGCUCGUUUACA.....	20
.....GAGCAAGCUCGUUUACAC.....	72
.....GAGCAAGCUCGUUUACACG.....	18
.....GAGCAAGCUCGUUUACACGG.....	1637
.....GAGCAAGCUCGUUUACACGGC.....	119701
.....GAGCAAGCUCGUUUACACGGCU.....	51034
.....GAGCAAGCUCGUUUACACGGCUG.....	16
.....AGCAAGCUCGUUUACAC.....	2
.....AGCAAGCUCGUUUACACG.....	7
.....AGCAAGCUCGUUUACACGG.....	115
.....AGCAAGCUCGUUUACACGGC.....	5844
.....AGCAAGCUCGUUUACACGGCU.....	3487
.....GCAAGCUCGUUUACACGG.....	41
.....GCAAGCUCGUUUACACGGC.....	2233

.....GCAAGCUCCGUUUACACGGCU.	956
.....CAAGCUCCGUUUACACGG..	10
.....CAAGCUCCGUUUACACGGC.	257
.....CAAGCUCCGUUUACACGGCU.	540
.....AAGCUCCGUUUACACGG..	34
.....AAGCUCCGUUUACACGGC..	671
.....AAGCUCCGUUUACACGGCU.	488
.....AGCUCCGUUUACACGG..	10
.....AGCUCCGUUUACACGGC..	782
.....AGCUCCGUUUACACGGCU.	207
.....GCUCCGUUUACACGGC..	557
.....GCUCCGUUUACACGGCU.	107
.....CUCCGUUUACACGGCU.	290

**#Pri-miR-150/NCCR5**

	Reads
CCUGGGUGUAAACUGAGCUUGCUCGCCUGGGCUCAGAGGGAGCAAGCUCCGUUUACACGCAGGGACC	
.CUGGGUGUAAACUGAGCUUGC.....	2
.CUGGGUGUAAACUGAGCUUGCUCGCC.....	3
.UGGGUGUAAACUGAGCUUGC.....	2
.UGGGUGUAAACUGAGCUUGC.....	30
.UGGGUGUAAACUGAGCUUGCUC.....	295
.UGGGUGUAAACUGAGCUUGCUCGC.....	2
.GGGUGUAAACUGAGCU.....	2
.GGGUGUAAACUGAGCUUGCUCG.....	2
.GGGUGUAAACUGAGCUUGCUCGC.....	214
.GGGUGUAAACUGAGCUUGCUCGCC.....	13
.GGGUGUAAACUGAGCUUGCUCGCCU.....	5
.GGUGUAAACUGAGCUUG.....	4
.GGUGUAAACUGAGCUUGC.....	915
.GGUGUAAACUGAGCUUGC.....	180
.GGUGUAAACUGAGCUUGCUC.....	104
.GGUGUAAACUGAGCUUGCUCG.....	6984
.GGUGUAAACUGAGCUUGCUCGC.....	80997
.GGUGUAAACUGAGCUUGCUCGCC.....	28315
.GGUGUAAACUGAGCUUGCUCGCCU.....	3593
.GGUGUAAACUGAGCUUGCUCGCCUG.....	4
.GGUGUAAACUGAGCUUGCUCGCCUGG.....	2
.GUGUAAACUGAGCUUGC.....	2
.GUGUAAACUGAGCUUGCUC.....	3
.GUGUAAACUGAGCUUGCUCG.....	19
.GUGUAAACUGAGCUUGCUCGC.....	577
.GUGUAAACUGAGCUUGCUCGCC.....	73
.GUGUAAACUGAGCUUGCUCGCCU.....	24
.UGUAAACUGAGCUUGC.....	7
.UGUAAACUGAGCUUGCUC.....	3
.UGUAAACUGAGCUUGCUCG.....	25
.UGUAAACUGAGCUUGCUCGC.....	777

.....UGUAAACUGAGCUUGCUCGCC.....	75
.....UGUAAACUGAGCUUGCUCGCCU.....	16
.....GUAAACUGAGCUUGCUCG.....	60
.....GUAAACUGAGCUUGCUCG.....	1080
.....GUAAACUGAGCUUGCUCGCC.....	109
.....GUAAACUGAGCUUGCUCGCCU.....	18
.....UAAACUGAGCUUGCUCG.....	10
.....UAAACUGAGCUUGCUCG.....	231
.....UAAACUGAGCUUGCUCGCC.....	20
.....UAAACUGAGCUUGCUCGCCU.....	5
.....UAAACUGAGCUUGCUCGCCUGGG.....	2
.....AAACUGAGCUUGCUCG.....	5
.....AAACUGAGCUUGCUCG.....	227
.....AAACUGAGCUUGCUCGCC.....	30
.....AAACUGAGCUUGCUCGCCU.....	10
.....AACUGAGCUUGCUCG.....	96
.....AACUGAGCUUGCUCGCC.....	5
.....AACUGAGCUUGCUCGCCU.....	5
.....ACUGAGCUUGCUCG.....	2
.....ACUGAGCUUGCUCGCC.....	16
.....ACUGAGCUUGCUCGCCU.....	6
.....CUGAGCUUGCUCGCC.....	3
.....CUGAGCUUGCUCGCCU.....	7
.....CUGAGCUUGCUCGCCUGGGCU.....	2
.....AGCUUGCUCGCCUGGGCU.....	2
.....GAGCAAGCUCCGUUUA.....	2
.....GAGCAAGCUCCGUUUAC.....	8
.....GAGCAAGCUCCGUUUACAC.....	6
.....GAGCAAGCUCCGUUUACACG.....	12
.....GAGCAAGCUCCGUUUACACGC.....	3403
.....GAGCAAGCUCCGUUUACACGCA.....	23232
.....GAGCAAGCUCCGUUUACACGCAG.....	8
.....GAGCAAGCUCCGUUUACACGCAGGG.....	2
.....GAGCAAGCUCCGUUUACACGCAGGGA.....	2
.....GAGCAAGCUCCGUUUACACGCAGGGACC.....	2
.....AGCAAGCUCCGUUUACACGC.....	43
.....AGCAAGCUCCGUUUACACGCA.....	552
.....AGCAAGCUCCGUUUACACGCAG.....	2
.....GCAAGCUCCGUUUACACGC.....	68
.....GCAAGCUCCGUUUACACGCA.....	319
.....GCAAGCUCCGUUUACACGCAG.....	3
.....GCAAGCUCCGUUUACACGCAGGGACC.....	4
.....CAAGCUCCGUUUACACGC.....	7
.....CAAGCUCCGUUUACACGCA.....	56
.....CAAGCUCCGUUUACACGCAG.....	3
.....CAAGCUCCGUUUACACGCAGGGAC.....	2
.....CAAGCUCCGUUUACACGCAGGGACC.....	3

.....AAGCUCCGUUUACACGC.....	22
.....AAGCUCCGUUUACACGCA.....	171
.....AAGCUCCGUUUACACGCAGGGA..	5
.....AAGCUCCGUUUACACGCAGGGAC..	7
.....AAGCUCCGUUUACACGCAGGGACC	8
.....AGCUCCGUUUACACGCA.....	35
.....AGCUCCGUUUACACGCAGGGACC	3
.....GCUCCGUUUACACGCA.....	3
.....GCUCCGUUUACACGCAGGGACC	3
.....CUCCGUUUACACGCAGGGACC	12
.....UCCGUUUACACGCAGGGA..	2
.....UCCGUUUACACGCAGGGAC..	5
.....UCCGUUUACACGCAGGGACC	9
.....CCGUUUACACGCAGGGAC..	2
.....CCGUUUACACGCAGGGACC	6
.....CGUUUACACGCAGGGACC	3

**#sh1005**

	Reads
GUUAGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUUU	
GUUAGAGCAAGCUCAGUUUACA.....	7
.UUAGAGCAAGCUCAGUUUACA.....	5
.UUAGAGCAAGCUCAGUUUACAC.....	9
.UUAGAGCAAGCUCAGUUUACACC.....	19
.UUAGAGCAAGCUCAGUUUACACCU.....	2
..UAGAGCAAGCUCAGUUU.....	2
..UAGAGCAAGCUCAGUUUA.....	7
..UAGAGCAAGCUCAGUUUACA.....	7
..UAGAGCAAGCUCAGUUUACAC.....	29
..UAGAGCAAGCUCAGUUUACACC.....	154
..UAGAGCAAGCUCAGUUUACACCU.....	11
...AGAGCAAGCUCAGUU.....	5
...AGAGCAAGCUCAGUUU.....	2533
...AGAGCAAGCUCAGUUUA.....	4727
...AGAGCAAGCUCAGUUUAC.....	3012
...AGAGCAAGCUCAGUUUACA.....	8168
...AGAGCAAGCUCAGUUUACAC.....	52023
...AGAGCAAGCUCAGUUUACACC.....	224989
...AGAGCAAGCUCAGUUUACACCU.....	30792
...AGAGCAAGCUCAGUUUACACCUU.....	3461
...AGAGCAAGCUCAGUUUACACCUUG.....	1421
...AGAGCAAGCUCAGUUUACACCUUGU.....	262
...AGAGCAAGCUCAGUUUACACCUUGUC.....	41
...AGAGCAAGCUCAGUUUACACCUUGUCC.....	81
...AGAGCAAGCUCAGUUUACACCUUGUCCG.....	17
...AGAGCAAGCUCAGUUUACACCUUGUCCGA.....	2
...AGAGCAAGCUCAGUUUACACCUUGUCCGAC.....	5
...AGAGCAAGCUCAGUUUACACCUUGUCCGACG.....	15

...AGCAAGCUCAGUUUACACCUUGUCCGACGGU.....	2
...GAGCAAGCUCAGUUUA.....	114
...GAGCAAGCUCAGUUUAC.....	97
...GAGCAAGCUCAGUUUACA.....	117
...GAGCAAGCUCAGUUUACAC.....	499
...GAGCAAGCUCAGUUUACACC.....	2537
...GAGCAAGCUCAGUUUACACCU.....	1245
...GAGCAAGCUCAGUUUACACCUU.....	204
...GAGCAAGCUCAGUUUACACCUUG.....	204
...GAGCAAGCUCAGUUUACACCUUGU.....	46
...GAGCAAGCUCAGUUUACACCUUGUC.....	6
...GAGCAAGCUCAGUUUACACCUUGUCC.....	6
...GAGCAAGCUCAGUUUACACCUUGUCCG.....	3
...AGCAAGCUCAGUUUAC.....	42
...AGCAAGCUCAGUUUACA.....	23
...AGCAAGCUCAGUUUACAC.....	141
...AGCAAGCUCAGUUUACACC.....	510
...AGCAAGCUCAGUUUACACCU.....	299
...AGCAAGCUCAGUUUACACCUU.....	70
...AGCAAGCUCAGUUUACACCUUG.....	71
...AGCAAGCUCAGUUUACACCUUGU.....	45
...AGCAAGCUCAGUUUACACCUUGUC.....	21
...AGCAAGCUCAGUUUACACCUUGUCC.....	26
...AGCAAGCUCAGUUUACACCUUGUCCG.....	3
...AGCAAGCUCAGUUUACACCUUGUCCGA.....	9
...AGCAAGCUCAGUUUACACCUUGUCCGACG.....	2
...GCAAGCUCAGUUUACA.....	24
...GCAAGCUCAGUUUACAC.....	74
...GCAAGCUCAGUUUACACC.....	648
...GCAAGCUCAGUUUACACCU.....	149
...GCAAGCUCAGUUUACACCUU.....	36
...GCAAGCUCAGUUUACACCUUG.....	39
...GCAAGCUCAGUUUACACCUUGU.....	60
...GCAAGCUCAGUUUACACCUUGUC.....	6
...GCAAGCUCAGUUUACACCUUGUCC.....	6
...GCAAGCUCAGUUUACACCUUGUCCG.....	2
...CAAGCUCAGUUUACAC.....	70
...CAAGCUCAGUUUACACC.....	174
...CAAGCUCAGUUUACACCU.....	54
...CAAGCUCAGUUUACACCUU.....	14
...CAAGCUCAGUUUACACCUUG.....	26
...CAAGCUCAGUUUACACCUUGU.....	70
...CAAGCUCAGUUUACACCUUGUC.....	8
...CAAGCUCAGUUUACACCUUGUCC.....	13
...CAAGCUCAGUUUACACCUUGUCCG.....	17
...CAAGCUCAGUUUACACCUUGUCCGAC.....	3
...CAAGCUCAGUUUACACCUUGUCCGACG.....	4

.....AAGCUCAGUUUACACC.....	648
.....AAGCUCAGUUUACACCU.....	166
.....AAGCUCAGUUUACACCUU.....	41
.....AAGCUCAGUUUACACCUUG.....	32
.....AAGCUCAGUUUACACCUUGU.....	100
.....AAGCUCAGUUUACACCUUGUC.....	17
.....AAGCUCAGUUUACACCUUGUCC.....	9
.....AAGCUCAGUUUACACCUUGUCCG.....	20
.....AAGCUCAGUUUACACCUUGUCCGA.....	7
.....AAGCUCAGUUUACACCUUGUCCGAC.....	5
.....AAGCUCAGUUUACACCUUGUCCGACG.....	7
.....AGCUCAGUUUACACC.....	4
.....AGCUCAGUUUACACCU.....	81
.....AGCUCAGUUUACACCUU.....	16
.....AGCUCAGUUUACACCUUG.....	13
.....AGCUCAGUUUACACCUUGU.....	195
.....AGCUCAGUUUACACCUUGUC.....	14
.....AGCUCAGUUUACACCUUGUCC.....	8
.....AGCUCAGUUUACACCUUGUCCG.....	7
.....AGCUCAGUUUACACCUUGUCCGA.....	5
.....AGCUCAGUUUACACCUUGUCCGAC.....	6
.....AGCUCAGUUUACACCUUGUCCGACG.....	7
.....AGCUCAGUUUACACCUUGUCCGACGG.....	7
.....GCUCAGUUUACACCUU.....	14
.....GCUCAGUUUACACCUUG.....	4
.....GCUCAGUUUACACCUUGU.....	19
.....GCUCAGUUUACACCUUGUC.....	2
.....GCUCAGUUUACACCUUGUCC.....	12
.....GCUCAGUUUACACCUUGUCCG.....	7
.....GCUCAGUUUACACCUUGUCCGAC.....	11
.....GCUCAGUUUACACCUUGUCCGACG.....	16
.....GCUCAGUUUACACCUUGUCCGACGG.....	6
.....CUCAGUUUACACCUUG.....	11
.....CUCAGUUUACACCUUGU.....	3
.....CUCAGUUUACACCUUGUC.....	4
.....CUCAGUUUACACCUUGUCC.....	7
.....CUCAGUUUACACCUUGUCCG.....	27
.....CUCAGUUUACACCUUGUCCGA.....	5
.....CUCAGUUUACACCUUGUCCGAC.....	15
.....CUCAGUUUACACCUUGUCCGACG.....	39
.....CUCAGUUUACACCUUGUCCGACGG.....	43
.....CUCAGUUUACACCUUGUCCGACGGU.....	12
.....UCAGUUUACACCUUGU.....	6
.....UCAGUUUACACCUUGUC.....	6
.....UCAGUUUACACCUUGUCC.....	6
.....UCAGUUUACACCUUGUCCG.....	33
.....UCAGUUUACACCUUGUCCGA.....	9

.....UCAGUUUACACCUUGUCCGAC.....	20
.....UCAGUUUACACCUUGUCCGACG.....	54
.....UCAGUUUACACCUUGUCCGACGG.....	61
.....UCAGUUUACACCUUGUCCGACGGU.....	9
.....UCAGUUUACACCUUGUCCGACGGUG.....	2
.....CAGUUUACACCUUGUCC.....	7
.....CAGUUUACACCUUGUCCG.....	16
.....CAGUUUACACCUUGUCCGA.....	5
.....CAGUUUACACCUUGUCCGAC.....	26
.....CAGUUUACACCUUGUCCGACG.....	35
.....CAGUUUACACCUUGUCCGACGG.....	23
.....CAGUUUACACCUUGUCCGACGGU.....	9
.....CAGUUUACACCUUGUCCGACGGUG.....	7
.....CAGUUUACACCUUGUCCGACGGUGU.....	3
.....CAGUUUACACCUUGUCCGACGGUGUAAA.....	2
.....AGUUUACACCUUGUCC.....	3
.....AGUUUACACCUUGUCCG.....	11
.....AGUUUACACCUUGUCCGAC.....	9
.....AGUUUACACCUUGUCCGACG.....	25
.....AGUUUACACCUUGUCCGACGG.....	21
.....AGUUUACACCUUGUCCGACGGU.....	9
.....AGUUUACACCUUGUCCGACGGUG.....	16
.....AGUUUACACCUUGUCCGACGGUGU.....	5
.....GUUUACACCUUGUCCG.....	6
.....GUUUACACCUUGUCCGA.....	3
.....GUUUACACCUUGUCCGAC.....	10
.....GUUUACACCUUGUCCGACG.....	13
.....GUUUACACCUUGUCCGACGG.....	20
.....GUUUACACCUUGUCCGACGGU.....	6
.....GUUUACACCUUGUCCGACGGUG.....	12
.....GUUUACACCUUGUCCGACGGUGU.....	11
.....GUUUACACCUUGUCCGACGGUGUA.....	6
.....UUUACACCUUGUCCGA.....	2
.....UUUACACCUUGUCCGAC.....	10
.....UUUACACCUUGUCCGACG.....	31
.....UUUACACCUUGUCCGACGG.....	52
.....UUUACACCUUGUCCGACGGU.....	29
.....UUUACACCUUGUCCGACGGUG.....	48
.....UUUACACCUUGUCCGACGGUGU.....	27
.....UUUACACCUUGUCCGACGGUGUA.....	14
.....UUACACCUUGUCCGAC.....	5
.....UUACACCUUGUCCGACG.....	22
.....UUACACCUUGUCCGACGG.....	32
.....UUACACCUUGUCCGACGGU.....	26
.....UUACACCUUGUCCGACGGUG.....	29
.....UUACACCUUGUCCGACGGUGU.....	10
.....UACACCUUGUCCGACG.....	25



.....UACACCUUGUCCGACGG.....	66
.....UACACCUUGUCCGACGGU.....	22
.....UACACCUUGUCCGACGGUG.....	18
.....UACACCUUGUCCGACGGUGU.....	40
.....UACACCUUGUCCGACGGUGUAAA.....	13
.....UACACCUUGUCCGACGGUGUAAAC.....	4
.....ACACCUUGUCCGACGG.....	66
.....ACACCUUGUCCGACGGU.....	20
.....ACACCUUGUCCGACGGUG.....	17
.....ACACCUUGUCCGACGGUGUA.....	20
.....ACACCUUGUCCGACGGUGUAA.....	19
.....ACACCUUGUCCGACGGUGUAAA.....	19
.....ACACCUUGUCCGACGGUGUAAAC.....	6
.....ACACCUUGUCCGACGGUGUAAACU.....	3
.....CACCUUGUCCGACGGU.....	67
.....CACCUUGUCCGACGGUG.....	2
.....CACCUUGUCCGACGGUGU.....	41
.....CACCUUGUCCGACGGUGUA.....	96
.....CACCUUGUCCGACGGUGUAA.....	26
.....CACCUUGUCCGACGGUGUAAA.....	100
.....CACCUUGUCCGACGGUGUAAAC.....	67
.....CACCUUGUCCGACGGUGUAAACU.....	10
.....ACCUUGUCCGACGGUG.....	73
.....ACCUUGUCCGACGGUGU.....	84
.....ACCUUGUCCGACGGUGUA.....	143
.....ACCUUGUCCGACGGUGUAA.....	27
.....ACCUUGUCCGACGGUGUAAA.....	191
.....ACCUUGUCCGACGGUGUAAAC.....	90
.....ACCUUGUCCGACGGUGUAAACU.....	29
.....ACCUUGUCCGACGGUGUAAACUGA.....	19
.....ACCUUGUCCGACGGUGUAAACUGAG.....	10
.....ACCUUGUCCGACGGUGUAAACUGAGCUUG.....	3
.....CCUUGUCCGACGGUGU.....	70
.....CCUUGUCCGACGGUGUA.....	157
.....CCUUGUCCGACGGUGUAA.....	56
.....CCUUGUCCGACGGUGUAAA.....	174
.....CCUUGUCCGACGGUGUAAAC.....	125
.....CCUUGUCCGACGGUGUAAACU.....	54
.....CCUUGUCCGACGGUGUAAACUG.....	4
.....CCUUGUCCGACGGUGUAAACUGA.....	38
.....CCUUGUCCGACGGUGUAAACUGAG.....	53
.....CCUUGUCCGACGGUGUAAACUGAGC.....	11
.....CCUUGUCCGACGGUGUAAACUGAGCU.....	8
.....CCUUGUCCGACGGUGUAAACUGAGCUU.....	4
.....CCUUGUCCGACGGUGUAAACUGAGCUUG.....	9
.....CCUUGUCCGACGGUGUAAACUGAGCUUGC.....	4
.....CCUUGUCCGACGGUGUAAACUGAGCUUGC.....	2

.....CCUUGUCCGACGGUGUAAACUGAGCUUGCUC.....	2
.....CCUUGUCCGACGGUGUAAACUGAGCUUGCUCUU.....	3
.....CCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUU.....	9
.....CUUGUCCGACGGUGUA.....	111
.....CUUGUCCGACGGUGUAA.....	50
.....CUUGUCCGACGGUGUAAA.....	190
.....CUUGUCCGACGGUGUAAAC.....	176
.....CUUGUCCGACGGUGUAAACU.....	90
.....CUUGUCCGACGGUGUAAACUG.....	5
.....CUUGUCCGACGGUGUAAACUGA.....	64
.....CUUGUCCGACGGUGUAAACUGAG.....	138
.....CUUGUCCGACGGUGUAAACUGAGC.....	58
.....CUUGUCCGACGGUGUAAACUGAGCU.....	46
.....CUUGUCCGACGGUGUAAACUGAGCUU.....	24
.....CUUGUCCGACGGUGUAAACUGAGCUUG.....	26
.....CUUGUCCGACGGUGUAAACUGAGCUUGC.....	11
.....CUUGUCCGACGGUGUAAACUGAGCUUGC.....	5
.....CUUGUCCGACGGUGUAAACUGAGCUUGCUC.....	2
.....CUUGUCCGACGGUGUAAACUGAGCUUGCUCUU.....	3
.....CUUGUCCGACGGUGUAAACUGAGCUUGCUCUUU.....	18
.....UUGUCCGACGGUGUAA.....	33
.....UUGUCCGACGGUGUAAA.....	78
.....UUGUCCGACGGUGUAAAC.....	51
.....UUGUCCGACGGUGUAAACU.....	29
.....UUGUCCGACGGUGUAAACUG.....	3
.....UUGUCCGACGGUGUAAACUGA.....	28
.....UUGUCCGACGGUGUAAACUGAG.....	47
.....UUGUCCGACGGUGUAAACUGAGC.....	21
.....UUGUCCGACGGUGUAAACUGAGCU.....	37
.....UUGUCCGACGGUGUAAACUGAGCUU.....	36
.....UUGUCCGACGGUGUAAACUGAGCUUG.....	20
.....UUGUCCGACGGUGUAAACUGAGCUUGC.....	6
.....UUGUCCGACGGUGUAAACUGAGCUUGC.....	2
.....UUGUCCGACGGUGUAAACUGAGCUUGCUC.....	3
.....UUGUCCGACGGUGUAAACUGAGCUUGCUCUU.....	6
.....UUGUCCGACGGUGUAAACUGAGCUUGCUCUUU.....	32
.....UUGUCCGACGGUGUAAACUGAGCUUGCUCUUUU.....	3
.....UGUCCGACGGUGUAAA.....	21
.....UGUCCGACGGUGUAAAC.....	23
.....UGUCCGACGGUGUAAACU.....	23
.....UGUCCGACGGUGUAAACUG.....	2
.....UGUCCGACGGUGUAAACUGA.....	26
.....UGUCCGACGGUGUAAACUGAG.....	35
.....UGUCCGACGGUGUAAACUGAGC.....	24
.....UGUCCGACGGUGUAAACUGAGCU.....	42
.....UGUCCGACGGUGUAAACUGAGCUU.....	51
.....UGUCCGACGGUGUAAACUGAGCUUG.....	32

.....UGUCCGACGGUGUAAACUGAGCUUGC.....	3
.....UGUCCGACGGUGUAAACUGAGCUUGC.....	5
.....UGUCCGACGGUGUAAACUGAGCUUGCUCU.....	4
.....UGUCCGACGGUGUAAACUGAGCUUGCUCUU.....	14
.....UGUCCGACGGUGUAAACUGAGCUUGCUCUUU.....	45
.....GUCCGACGGUGUAAAC.....	11
.....GUCCGACGGUGUAAACU.....	6
.....GUCCGACGGUGUAAACUGA.....	4
.....GUCCGACGGUGUAAACUGAG.....	16
.....GUCCGACGGUGUAAACUGAGC.....	9
.....GUCCGACGGUGUAAACUGAGCU.....	14
.....GUCCGACGGUGUAAACUGAGCUU.....	16
.....GUCCGACGGUGUAAACUGAGCUUG.....	28
.....GUCCGACGGUGUAAACUGAGCUUGC.....	8
.....GUCCGACGGUGUAAACUGAGCUUGCUCU.....	6
.....GUCCGACGGUGUAAACUGAGCUUGCUCUU.....	18
.....GUCCGACGGUGUAAACUGAGCUUGCUCUUU.....	40
.....GUCCGACGGUGUAAACUGAGCUUGCUCUUUU.....	4
.....UCCGACGGUGUAAACU.....	3
.....UCCGACGGUGUAAACUG.....	3
.....UCCGACGGUGUAAACUGA.....	6
.....UCCGACGGUGUAAACUGAG.....	5
.....UCCGACGGUGUAAACUGAGC.....	3
.....UCCGACGGUGUAAACUGAGCU.....	9
.....UCCGACGGUGUAAACUGAGCUU.....	13
.....UCCGACGGUGUAAACUGAGCUUG.....	21
.....UCCGACGGUGUAAACUGAGCUUGC.....	19
.....UCCGACGGUGUAAACUGAGCUUGCUCU.....	2
.....UCCGACGGUGUAAACUGAGCUUGCUCU.....	4
.....UCCGACGGUGUAAACUGAGCUUGCUCUU.....	11
.....UCCGACGGUGUAAACUGAGCUUGCUCUUU.....	51
.....UCCGACGGUGUAAACUGAGCUUGCUCUUUU.....	6
.....UCCGACGGUGUAAACUGAGCUUGCUCUUUUU.....	2
.....CCGACGGUGUAAACUG.....	77
.....CCGACGGUGUAAACUGA.....	265
.....CCGACGGUGUAAACUGAG.....	846
.....CCGACGGUGUAAACUGAGC.....	13
.....CCGACGGUGUAAACUGAGCU.....	11
.....CCGACGGUGUAAACUGAGCUU.....	18
.....CCGACGGUGUAAACUGAGCUUG.....	29
.....CCGACGGUGUAAACUGAGCUUGC.....	31
.....CCGACGGUGUAAACUGAGCUUGCUCU.....	16
.....CCGACGGUGUAAACUGAGCUUGCUC.....	3
.....CCGACGGUGUAAACUGAGCUUGCUCU.....	13
.....CCGACGGUGUAAACUGAGCUUGCUCUU.....	31
.....CCGACGGUGUAAACUGAGCUUGCUCUUU.....	81
.....CCGACGGUGUAAACUGAGCUUGCUCUUUU.....	10

.....CGACGGUGUAAACUGA.....	129
.....CGACGGUGUAAACUGAG.....	374
.....CGACGGUGUAAACUGAGC.....	14
.....CGACGGUGUAAACUGAGCU.....	10
.....CGACGGUGUAAACUGAGCUU.....	16
.....CGACGGUGUAAACUGAGCUUG.....	36
.....CGACGGUGUAAACUGAGCUUGC.....	32
.....CGACGGUGUAAACUGAGCUUGCUC.....	15
.....CGACGGUGUAAACUGAGCUUGCUC.....	23
.....CGACGGUGUAAACUGAGCUUGCUCU.....	35
.....CGACGGUGUAAACUGAGCUUGCUCUU.....	42
.....CGACGGUGUAAACUGAGCUUGCUCUUU.....	149
.....CGACGGUGUAAACUGAGCUUGCUCUUUU.....	14
.....CGACGGUGUAAACUGAGCUUGCUCUUUUU.....	2
.....GACGGUGUAAACUGAG.....	16
.....GACGGUGUAAACUGAGC.....	13
.....GACGGUGUAAACUGAGCU.....	9
.....GACGGUGUAAACUGAGCUU.....	19
.....GACGGUGUAAACUGAGCUUG.....	38
.....GACGGUGUAAACUGAGCUUGC.....	36
.....GACGGUGUAAACUGAGCUUGCUC.....	54
.....GACGGUGUAAACUGAGCUUGCUC.....	68
.....GACGGUGUAAACUGAGCUUGCUCU.....	134
.....GACGGUGUAAACUGAGCUUGCUCUU.....	173
.....GACGGUGUAAACUGAGCUUGCUCUUU.....	435
.....GACGGUGUAAACUGAGCUUGCUCUUUU.....	30
.....GACGGUGUAAACUGAGCUUGCUCUUUUU.....	6
.....ACGGUGUAAACUGAGC.....	12
.....ACGGUGUAAACUGAGCU.....	24
.....ACGGUGUAAACUGAGCUU.....	33
.....ACGGUGUAAACUGAGCUUG.....	51
.....ACGGUGUAAACUGAGCUUGC.....	46
.....ACGGUGUAAACUGAGCUUGCUC.....	71
.....ACGGUGUAAACUGAGCUUGCUC.....	187
.....ACGGUGUAAACUGAGCUUGCUCU.....	422
.....ACGGUGUAAACUGAGCUUGCUCUU.....	641
.....ACGGUGUAAACUGAGCUUGCUCUUU.....	683
.....ACGGUGUAAACUGAGCUUGCUCUUUU.....	23
.....ACGGUGUAAACUGAGCUUGCUCUUUUU.....	6
.....ACGGUGUAAACUGAGCUUGCUCUUUUUU.....	4
.....CGGUGUAAACUGAGCU.....	7
.....CGGUGUAAACUGAGCUU.....	7
.....CGGUGUAAACUGAGCUUG.....	19
.....CGGUGUAAACUGAGCUUGC.....	24
.....CGGUGUAAACUGAGCUUGCUC.....	31
.....CGGUGUAAACUGAGCUUGCUC.....	99
.....CGGUGUAAACUGAGCUUGCUCU.....	620

.....CGGUGUAAACUGAGCUUGCUCUU....	314
.....CGGUGUAAACUGAGCUUGCUCUUU...	690
.....CGGUGUAAACUGAGCUUGCUCUUUU..	33
.....CGGUGUAAACUGAGCUUGCUCUUUUU.	2
.....GGUGUAAACUGAGCUU.....	8
.....GGUGUAAACUGAGCUUG.....	12
.....GGUGUAAACUGAGCUUGC.....	11
.....GGUGUAAACUGAGCUUGCUC.....	19
.....GGUGUAAACUGAGCUUGCUC.....	21
.....GGUGUAAACUGAGCUUGCUCU....	80
.....GGUGUAAACUGAGCUUGCUCUU...	116
.....GGUGUAAACUGAGCUUGCUCUUU...	557
.....GGUGUAAACUGAGCUUGCUCUUUU..	56
.....GGUGUAAACUGAGCUUGCUCUUUUU.	2
.....GGUGUAAACUGAGCUUGCUCUUUUUU	3
.....GUGUAAACUGAGCUUG.....	62
.....GUGUAAACUGAGCUUGC.....	67
.....GUGUAAACUGAGCUUGCUC.....	74
.....GUGUAAACUGAGCUUGCUC.....	118
.....GUGUAAACUGAGCUUGCUCU....	307
.....GUGUAAACUGAGCUUGCUCUU...	3326
.....GUGUAAACUGAGCUUGCUCUUU...	31090
.....GUGUAAACUGAGCUUGCUCUUUU..	3823
.....GUGUAAACUGAGCUUGCUCUUUUU.	285
.....GUGUAAACUGAGCUUGCUCUUUUUU	124
.....UGUAAACUGAGCUUG.....	4
.....UGUAAACUGAGCUUGC.....	426
.....UGUAAACUGAGCUUGCUC.....	706
.....UGUAAACUGAGCUUGCUC.....	1283
.....UGUAAACUGAGCUUGCUCU....	6079
.....UGUAAACUGAGCUUGCUCUU...	55404
.....UGUAAACUGAGCUUGCUCUUU...	1011231
.....UGUAAACUGAGCUUGCUCUUUU..	173546
.....UGUAAACUGAGCUUGCUCUUUUU.	11768
.....UGUAAACUGAGCUUGCUCUUUUUU	7701
.....GUAACUGAGCUUGCUC.....	35
.....GUAACUGAGCUUGCUC.....	90
.....GUAACUGAGCUUGCUCU....	246
.....GUAACUGAGCUUGCUCUU...	904
.....GUAACUGAGCUUGCUCUUU...	13634
.....GUAACUGAGCUUGCUCUUUU..	2239
.....GUAACUGAGCUUGCUCUUUUU.	198
.....GUAACUGAGCUUGCUCUUUUUU	130
.....UAAACUGAGCUUGCUC.....	11
.....UAAACUGAGCUUGCUCU....	60
.....UAAACUGAGCUUGCUCUU...	265
.....UAAACUGAGCUUGCUCUUU...	3148

.....UAAACUGAGCUUGCUCUUUU..	537
.....UAAACUGAGCUUGCUCUUUUU.	88
.....UAAACUGAGCUUGCUCUUUUUU	87
.....AAACUGAGCUUGCUCU.....	55
.....AAACUGAGCUUGCUCUU.....	266
.....AAACUGAGCUUGCUCUUU...	3712
.....AAACUGAGCUUGCUCUUUU..	549
.....AAACUGAGCUUGCUCUUUUU.	59
.....AAACUGAGCUUGCUCUUUUUU	18
.....AACUGAGCUUGCUCUU.....	130
.....AACUGAGCUUGCUCUUU...	1179
.....AACUGAGCUUGCUCUUUU..	214
.....AACUGAGCUUGCUCUUUUU.	19
.....AACUGAGCUUGCUCUUUUUU	10
.....ACUGAGCUUGCUCUUU...	1105
.....ACUGAGCUUGCUCUUUU..	153
.....ACUGAGCUUGCUCUUUUU.	13
.....ACUGAGCUUGCUCUUUUUU	9
.....CUGAGCUUGCUCUUU...	13
.....CUGAGCUUGCUCUUUU..	262
.....CUGAGCUUGCUCUUUUU.	34
.....CUGAGCUUGCUCUUUUUU	12
.....UGAGCUUGCUCUUUUU..	74
.....UGAGCUUGCUCUUUUUU	30
.....GAGCUUGCUCUUUUUU	4

**#Pri-miR-30/WCCR5**

	Reads
CGACUGUAAACUGAGCUUGCUCUACUGUGAAGCCACAGAUGGGUAGAGCAAGCACAGUUUACCGCUGC	
.GACUGUAAACUGAGCUUGCUCUACU.....	3
..ACUGUAAACUGAGCUUGCUCU.....	2
..ACUGUAAACUGAGCUUGCUCUA.....	4
..ACUGUAAACUGAGCUUGCUCUAC.....	4
..ACUGUAAACUGAGCUUGCUCUACU.....	18
...CUGUAAACUGAGCUUGCUCUAC.....	5
...CUGUAAACUGAGCUUGCUCUACU.....	94
...UGUAAACUGAGCUUG.....	3
...UGUAAACUGAGCUUGC.....	36
...UGUAAACUGAGCUUGC.....	106
...UGUAAACUGAGCUUGCUC.....	133
...UGUAAACUGAGCUUGCUCU.....	261
...UGUAAACUGAGCUUGCUCUA.....	914
...UGUAAACUGAGCUUGCUCUAC.....	16714
...UGUAAACUGAGCUUGCUCUACU.....	467973
...UGUAAACUGAGCUUGCUCUACUG.....	52
...UGUAAACUGAGCUUGCUCUACUGU.....	11
...UGUAAACUGAGCUUGCUCUACUGUGA.....	3
...UGUAAACUGAGCUUGCUCUACUGUGAA.....	2

.....UGUAAACUGAGCUUGCUCUACUGUGAAG.....	3
.....GUAACUGAGCUUGCUC.....	4
.....GUAACUGAGCUUGCUCU.....	5
.....GUAACUGAGCUUGCUCUA.....	16
.....GUAACUGAGCUUGCUCUAC.....	348
.....GUAACUGAGCUUGCUCUACU.....	7362
.....GUAACUGAGCUUGCUCUACUG.....	3
.....UAAACUGAGCUUGCUCUA.....	4
.....UAAACUGAGCUUGCUCUAC.....	58
.....UAAACUGAGCUUGCUCUACU.....	1296
.....AAACUGAGCUUGCUCU.....	2
.....AAACUGAGCUUGCUCUA.....	2
.....AAACUGAGCUUGCUCUAC.....	79
.....AAACUGAGCUUGCUCUACU.....	1982
.....AACUGAGCUUGCUCUAC.....	30
.....AACUGAGCUUGCUCUACU.....	934
.....ACUGAGCUUGCUCUAC.....	16
.....ACUGAGCUUGCUCUACU.....	586
.....CUGAGCUUGCUCUACU.....	825
.....UGAGCUUGCUCUACU.....	9
.....UUGCUCUACUGUGAAGCCACAGAUGG.....	2
.....UGCUCUACUGUGAAGCCACAGA.....	2
.....CUGUGAAGCCACAGAUGGGUA.....	3
.....GUGAAGCCACAGAUGGG.....	153
.....GUGAAGCCACAGAUGGGU.....	9
.....UGAAGCCACAGAUGGG.....	3
.....UGAAGCCACAGAUGGGUAGAG.....	2
.....CAGAUGGGUAGAGCAAGCACAG.....	2
.....GAUGGGUAGAGCAAGC.....	2
.....GAUGGGUAGAGCAAGCACAGUUUACCGC.....	6
.....AUGGGUAGAGCAAGCACAGUUUACCGC.....	8
.....UGGGUAGAGCAAGCACAGUUUACCGC.....	8
.....GGGUAGAGCAAGCACAGUUUACCGC.....	5
.....GGUAGAGCAAGCACAGUUUACCGC.....	19
.....GGUAGAGCAAGCACAGUUUACCGCU.....	2
.....GUAGAGCAAGCACAGUUUACC.....	6
.....GUAGAGCAAGCACAGUUUACCG.....	5
.....GUAGAGCAAGCACAGUUUACCGC.....	45
.....GUAGAGCAAGCACAGUUUACCGCU.....	4
.....UAGAGCAAGCACAGU.....	2
.....UAGAGCAAGCACAGUU.....	5
.....UAGAGCAAGCACAGUUU.....	10
.....UAGAGCAAGCACAGUUUA.....	55
.....UAGAGCAAGCACAGUUUAC.....	66
.....UAGAGCAAGCACAGUUUACC.....	458
.....UAGAGCAAGCACAGUUUACCG.....	9605
.....UAGAGCAAGCACAGUUUACCGC.....	189821

.....UAGAGCAAGCACAGUUUACCGCU..	13845
.....UAGAGCAAGCACAGUUUACCGCUG.	6
.....UAGAGCAAGCACAGUUUACCGCUGC	2
.....AGAGCAAGCACAGUUUACC.....	11
.....AGAGCAAGCACAGUUUACCG.....	95
.....AGAGCAAGCACAGUUUACCGC...	2865
.....AGAGCAAGCACAGUUUACCGCU..	109
.....GAGCAAGCACAGUUUACCG.....	19
.....GAGCAAGCACAGUUUACCGC...	505
.....GAGCAAGCACAGUUUACCGCU..	25
.....AGCAAGCACAGUUUACC.....	4
.....AGCAAGCACAGUUUACCG.....	17
.....AGCAAGCACAGUUUACCGC...	272
.....AGCAAGCACAGUUUACCGCU..	11
.....GCAAGCACAGUUUACC.....	3
.....GCAAGCACAGUUUACCG.....	7
.....GCAAGCACAGUUUACCGC...	315
.....GCAAGCACAGUUUACCGCU..	7
.....CAAGCACAGUUUACCG.....	6
.....CAAGCACAGUUUACCGC...	172
.....CAAGCACAGUUUACCGCU..	32
.....AAGCACAGUUUACCGC...	433
.....AAGCACAGUUUACCGCU..	21
.....AGCACAGUUUACCGCU..	20

**#Pri-miR-150/WCCR5**

	Reads
CCUGUGUAAACUGAGCUUGCUCUAUGCUGGGCUCAGACCUAGAGCAAGCACAGUUUACCCAGG	
.CUGUGUAAACUGAGCUUGCUC.....	2
.UGUGUAAACUGAGCUUGCUC.....	4
.UGUGUAAACUGAGCUUGCUCU.....	50
.UGUGUAAACUGAGCUUGCUCUA.....	311
.UGUGUAAACUGAGCUUGCUCUAU.....	33
.GUGUAAACUGAGCUUGCUCUA.....	5
.GUGUAAACUGAGCUUGCUCUAU.....	5
.GUGUAAACUGAGCUUGCUCUAUG.....	13
.UGUAAACUGAGCUUGC.....	16
.UGUAAACUGAGCUUGC.....	62
.UGUAAACUGAGCUUGCUC.....	59
.UGUAAACUGAGCUUGCUCU.....	176
.UGUAAACUGAGCUUGCUCUA.....	531
.UGUAAACUGAGCUUGCUCUAU.....	28484
.UGUAAACUGAGCUUGCUCUAUG.....	107017
.UGUAAACUGAGCUUGCUCUAUGC.....	713
.UGUAAACUGAGCUUGCUCUAUGC.....	23
.UGUAAACUGAGCUUGCUCUAUGCUG.....	7
.UGUAAACUGAGCUUGCUCUAUGCUGG.....	2
.GUAACUGAGCUUGCUC.....	3



.....GUAACUGAGCUUGCUCU.....	4
.....GUAACUGAGCUUGCUCUA.....	14
.....GUAACUGAGCUUGCUCUAU.....	506
.....GUAACUGAGCUUGCUCUAUG.....	1946
.....GUAACUGAGCUUGCUCUAUGC.....	15
.....GUAACUGAGCUUGCUCUAUGCU.....	4
.....UAAACUGAGCUUGCUCUAU.....	132
.....UAAACUGAGCUUGCUCUAUG.....	366
.....UAAACUGAGCUUGCUCUAUGC.....	4
.....AAACUGAGCUUGCUCUA.....	2
.....AAACUGAGCUUGCUCUAU.....	131
.....AAACUGAGCUUGCUCUAUG.....	467
.....AACUGAGCUUGCUCUAU.....	55
.....AACUGAGCUUGCUCUAUG.....	180
.....ACUGAGCUUGCUCUAU.....	31
.....ACUGAGCUUGCUCUAUG.....	128
.....CUGAGCUUGCUCUAU.....	2
.....CUGAGCUUGCUCUAUG.....	362
.....CUGAGCUUGCUCUAUGC.....	5
.....UGAGCUUGCUCUAUGC.....	4
.....UCUAUGCUGGGCUCAGAC.....	2
.....UAUGCUGGGCUCAGACC.....	2
.....AUGCUGGGCUCAGACC.....	2
.....GGGCUCAGACCUAGAG.....	2
.....GACCUAGAGCAAGCACAGUUUACC.....	2
.....CCUAGAGCAAGCACAGUUUACCCA.....	2
.....CUAGAGCAAGCACAGUUUAC.....	2
.....CUAGAGCAAGCACAGUUUACC.....	7
.....CUAGAGCAAGCACAGUUUACCC.....	87
.....CUAGAGCAAGCACAGUUUACCCA.....	37
.....UAGAGCAAGCACAGUU.....	22
.....UAGAGCAAGCACAGUUU.....	39
.....UAGAGCAAGCACAGUUUA.....	59
.....UAGAGCAAGCACAGUUUAC.....	559
.....UAGAGCAAGCACAGUUUACC.....	1815
.....UAGAGCAAGCACAGUUUACCC.....	20353
.....UAGAGCAAGCACAGUUUACCCA.....	51463
.....UAGAGCAAGCACAGUUUACCCAG.....	16
.....AGAGCAAGCACAGUUUA.....	2
.....AGAGCAAGCACAGUUUACC.....	13
.....AGAGCAAGCACAGUUUACCC.....	129
.....AGAGCAAGCACAGUUUACCCA.....	355
.....GAGCAAGCACAGUUUACC.....	3
.....GAGCAAGCACAGUUUACCC.....	39
.....GAGCAAGCACAGUUUACCCA.....	102
.....GAGCAAGCACAGUUUACCCAG.....	2
.....GAGCAAGCACAGUUUACCCAGG.....	5

.....AGCAAGCACAGUUUACC.....	3
.....AGCAAGCACAGUUUACCC.....	12
.....AGCAAGCACAGUUUACCCA..	43
.....GCAAGCACAGUUUACCC.....	18
.....GCAAGCACAGUUUACCCA..	44
.....CAAGCACAGUUUACCC.....	4
.....CAAGCACAGUUUACCCA..	25
.....AAGCACAGUUUACCCA..	37

**#cshR-rluc-1**

	Reads
GUUAGGUCGUACACCUUGGAAGCCCUGUGAAGCCACAGAUGGGGCUUCCAAGGUGUACGACCUUUUU	
GUUAGGUCGUACACCUUGGAAGC.....	2
.UUAGGUCGUACACCUUGGAAGC.....	2
.UUAGGUCGUACACCUUGGAAGCC.....	3
.UAGGUCGUACACCUUGGAAG.....	4
.UAGGUCGUACACCUUGGAAGC.....	14
.UAGGUCGUACACCUUGGAAGCC.....	51
.UAGGUCGUACACCUUGGAAGCCC.....	4
. .AGGUCGUACACCUUGG.....	350
. .AGGUCGUACACCUUGGA.....	452
. .AGGUCGUACACCUUGGAA.....	996
. .AGGUCGUACACCUUGGAAG.....	2122
. .AGGUCGUACACCUUGGAAGC.....	6639
. .AGGUCGUACACCUUGGAAGCC.....	45579
. .AGGUCGUACACCUUGGAAGCCC.....	39123
. .AGGUCGUACACCUUGGAAGCCCU.....	11542
. .AGGUCGUACACCUUGGAAGCCCUG.....	163
. .AGGUCGUACACCUUGGAAGCCCUGU.....	10
. .AGGUCGUACACCUUGGAAGCCCUGUG.....	4
. .AGGUCGUACACCUUGGAAGCCCUGUGA.....	2
. . .GGUCGUACACCUUGGA.....	62
. . .GGUCGUACACCUUGGAA.....	91
. . .GGUCGUACACCUUGGAAG.....	62
. . .GGUCGUACACCUUGGAAGC.....	171
. . .GGUCGUACACCUUGGAAGCC.....	1845
. . .GGUCGUACACCUUGGAAGCCC.....	1935
. . .GGUCGUACACCUUGGAAGCCCU.....	332
. . .GGUCGUACACCUUGGAAGCCCUG.....	40
. . . .GUCGUACACCUUGGAA.....	25
. . . .GUCGUACACCUUGGAAG.....	37
. . . .GUCGUACACCUUGGAAGC.....	65
. . . .GUCGUACACCUUGGAAGCC.....	310
. . . .GUCGUACACCUUGGAAGCCC.....	1083
. . . .GUCGUACACCUUGGAAGCCCU.....	743
. . . .GUCGUACACCUUGGAAGCCCUG.....	38
. . . .GUCGUACACCUUGGAAGCCCUGU.....	4
. . . .UCGUACACCUUGGAAG.....	7

.....UCGUACACCUUGGAAGC.....	19
.....UCGUACACCUUGGAAGCC.....	94
.....UCGUACACCUUGGAAGCCC.....	98
.....UCGUACACCUUGGAAGCCCU.....	34
.....UCGUACACCUUGGAAGCCCUG.....	8
.....UCGUACACCUUGGAAGCCCUGU.....	12
.....CGUACACCUUGGAAGC.....	9
.....CGUACACCUUGGAAGCC.....	200
.....CGUACACCUUGGAAGCCC.....	218
.....CGUACACCUUGGAAGCCCU.....	46
.....CGUACACCUUGGAAGCCCUG.....	7
.....CGUACACCUUGGAAGCCCUGU.....	4
.....GUACACCUUGGAAGCC.....	62
.....GUACACCUUGGAAGCCC.....	120
.....GUACACCUUGGAAGCCCU.....	23
.....GUACACCUUGGAAGCCCUG.....	24
.....GUACACCUUGGAAGCCCUGU.....	8
.....GUACACCUUGGAAGCCCUGUG.....	3
.....GUACACCUUGGAAGCCCUGUGAA.....	2
.....GUACACCUUGGAAGCCCUGUGAAGCC.....	2
.....UACACCUUGGAAGCCC.....	18
.....UACACCUUGGAAGCCCU.....	8
.....UACACCUUGGAAGCCCUG.....	6
.....UACACCUUGGAAGCCCUGU.....	2
.....UACACCUUGGAAGCCCUGUG.....	2
.....UACACCUUGGAAGCCCUGUGAA.....	2
.....ACACCUUGGAAGCCCU.....	9
.....ACACCUUGGAAGCCCUG.....	12
.....ACACCUUGGAAGCCCUGU.....	9
.....CACCUUGGAAGCCCUG.....	5
.....ACCUUGGAAGCCCUGUGAAGCCA.....	2
.....ACCUUGGAAGCCCUGUGAAGCCAC.....	4
.....CCUUGGAAGCCCUGUG.....	2
.....CCUUGGAAGCCCUGUGA.....	3
.....CCUUGGAAGCCCUGUGAAGCCA.....	2
.....CCUUGGAAGCCCUGUGAAGCCACAG.....	2
.....CCUUGGAAGCCCUGUGAAGCCACAGA.....	4
.....UUGGAAGCCCUGUGAA.....	6
.....UUGGAAGCCCUGUGAAG.....	9
.....UUGGAAGCCCUGUGAAGCC.....	2
.....UUGGAAGCCCUGUGAAGCCA.....	9
.....UUGGAAGCCCUGUGAAGCCACAGAUGG.....	2
.....UUGGAAGCCCUGUGAAGCCACAGAUGGGG.....	3
.....UGGAAGCCCUGUGAAG.....	5
.....UGGAAGCCCUGUGAAGCC.....	10
.....UGGAAGCCCUGUGAAGCCA.....	3
.....UGGAAGCCCUGUGAAGCCAC.....	3

.....UGGAAGCCCUGUGAAGCCACAGAUGG.....	6
.....UGGAAGCCCUGUGAAGCCACAGAUGGGG.....	10
.....UGGAAGCCCUGUGAAGCCACAGAUGGGGG.....	2
.....GAAGCCCUGUGAAGCCACAGAUGGGGG.....	2
.....GCCUGUGAAGCCACAGA.....	3
.....GCCUGUGAAGCCACAGAUGG.....	2
.....CCUGUGAAGCCACAGA.....	3
.....CCUGUGAAGCCACAGAUGG.....	2
.....CCUGUGAAGCCACAGAUGGG.....	2
.....CCUGUGAAGCCACAGAUGGGG.....	2
.....CCUGUGAAGCCACAGAUGGGGG.....	2
.....CCUGUGAAGCCACAGAUGGGGGC.....	17
.....CUGUGAAGCCACAGAUGG.....	8
.....CUGUGAAGCCACAGAUGGG.....	3
.....CUGUGAAGCCACAGAUGGGG.....	2
.....CUGUGAAGCCACAGAUGGGGG.....	1579
.....UGUGAAGCCACAGAUG.....	2
.....UGUGAAGCCACAGAUGG.....	9
.....UGUGAAGCCACAGAUGGG.....	10
.....UGUGAAGCCACAGAUGGGG.....	1012
.....UGUGAAGCCACAGAUGGGGG.....	54
.....UGUGAAGCCACAGAUGGGGGC.....	2
.....GUGAAGCCACAGAUGGG.....	4
.....GUGAAGCCACAGAUGGGG.....	13
.....GUGAAGCCACAGAUGGGGG.....	15
.....UGAAGCCACAGAUGGG.....	2
.....UGAAGCCACAGAUGGGG.....	4
.....UGAAGCCACAGAUGGGGG.....	4
.....GAAGCCACAGAUGGGG.....	3
.....GAAGCCACAGAUGGGGG.....	16
.....AAGCCACAGAUGGGGG.....	13
.....AAGCCACAGAUGGGGGC.....	2
.....CCACAGAUGGGGGCUUCCAAGG.....	2
.....CCACAGAUGGGGGCUUCCAAGGUG.....	2
.....CCACAGAUGGGGGCUUCCAAGGUGUACG.....	2
.....CCACAGAUGGGGGCUUCCAAGGUGUACGA.....	2
.....CACAGAUGGGGGCUUC.....	2
.....CACAGAUGGGGGCUUCCAAGGUGUACG.....	2
.....CACAGAUGGGGGCUUCCAAGGUGUACGA.....	2
.....GAUGGGGGCUUCCAAGG.....	2
.....GAUGGGGGCUUCCAAGGUGUACGACCUUU.....	3
.....AUGGGGGCUUCCAAGG.....	7
.....AUGGGGGCUUCCAAGGUGUACGACCUU.....	2
.....AUGGGGGCUUCCAAGGUGUACGACCUUU.....	2
.....AUGGGGGCUUCCAAGGUGUACGACCUUUUU.....	2
.....UGGGGGCUUCCAAGGU.....	7
.....UGGGGGCUUCCAAGGUGUACGACC.....	6

.....UGGGGGCUUCCAAGGUGUACGACCUU...	5
.....UGGGGGCUUCCAAGGUGUACGACCUUU..	13
.....UGGGGGCUUCCAAGGUGUACGACCUUUU.	8
.....UGGGGGCUUCCAAGGUGUACGACCUUUUU	2
.....GGGGGCUUCCAAGGUGUACG.....	2
.....GGGGGCUUCCAAGGUGUACGA.....	2
.....GGGGGCUUCCAAGGUGUACGACC.....	3
.....GGGGGCUUCCAAGGUGUACGACCU....	2
.....GGGGGCUUCCAAGGUGUACGACCUU...	5
.....GGGGGCUUCCAAGGUGUACGACCUUU..	4
.....GGGGCUUCCAAGGUGUACG.....	2
.....GGGGCUUCCAAGGUGUACGA.....	8
.....GGGGCUUCCAAGGUGUACGAC.....	4
.....GGGGCUUCCAAGGUGUACGACC.....	53
.....GGGGCUUCCAAGGUGUACGACCU....	24
.....GGGGCUUCCAAGGUGUACGACCUU...	5
.....GGGGCUUCCAAGGUGUACGACCUUU..	6
.....GGGGCUUCCAAGGUGUACG.....	11
.....GGGGCUUCCAAGGUGUACGACCU....	3
.....GGGGCUUCCAAGGUGUACGACCUU...	9
.....GGGGCUUCCAAGGUGUACGACCUUU..	16
.....GGGGCUUCCAAGGUGUACGACCUUUU.	2
.....GGGGCUUCCAAGGUGUAC.....	2
.....GGGGCUUCCAAGGUGUACG.....	4
.....GGGGCUUCCAAGGUGUACGA.....	24
.....GGGGCUUCCAAGGUGUACGAC.....	2
.....GGGGCUUCCAAGGUGUACGACC.....	304
.....GGGGCUUCCAAGGUGUACGACCU...	355
.....GGGGCUUCCAAGGUGUACGACCUU...	467
.....GGGGCUUCCAAGGUGUACGACCUUU..	311
.....GGGGCUUCCAAGGUGUACGACCUUUU.	59
.....GGGGCUUCCAAGGUGUACGACCUUUUU	9
.....GGGGCUUCCAAGGUGUAC.....	2
.....GGGGCUUCCAAGGUGUACG.....	49
.....GGGGCUUCCAAGGUGUACGA.....	752
.....GGGGCUUCCAAGGUGUACGAC.....	813
.....GGGGCUUCCAAGGUGUACGACC.....	1780
.....GGGGCUUCCAAGGUGUACGACCU....	2636
.....GGGGCUUCCAAGGUGUACGACCUU...	34615
.....GGGGCUUCCAAGGUGUACGACCUUU..	105746
.....GGGGCUUCCAAGGUGUACGACCUUUU.	18252
.....GGGGCUUCCAAGGUGUACGACCUUUUU	2092
.....GGGGCUUCCAAGGUGUACG.....	2
.....GGGGCUUCCAAGGUGUACGA.....	636
.....GGGGCUUCCAAGGUGUACGAC.....	1672
.....GGGGCUUCCAAGGUGUACGACC.....	2962
.....GGGGCUUCCAAGGUGUACGACCU...	2174

.....CUUCCAAGGUGUACGACCUU...	53505
.....CUUCCAAGGUGUACGACCUUU..	187958
.....CUUCCAAGGUGUACGACCUUUU..	44673
.....CUUCCAAGGUGUACGACCUUUUU	4919
.....UUCCAAGGUGUACGAC.....	53
.....UUCCAAGGUGUACGACC.....	187
.....UUCCAAGGUGUACGACCU....	244
.....UUCCAAGGUGUACGACCUU...	3552
.....UUCCAAGGUGUACGACCUUU..	11907
.....UUCCAAGGUGUACGACCUUUU..	2780
.....UUCCAAGGUGUACGACCUUUUU	388
.....UCCAAGGUGUACGACC.....	50
.....UCCAAGGUGUACGACCU....	88
.....UCCAAGGUGUACGACCUU...	1580
.....UCCAAGGUGUACGACCUUU..	4087
.....UCCAAGGUGUACGACCUUUU..	876
.....UCCAAGGUGUACGACCUUUUU	109
.....CCAAGGUGUACGACCU....	32
.....CCAAGGUGUACGACCUU...	324
.....CCAAGGUGUACGACCUUU..	1434
.....CCAAGGUGUACGACCUUUU..	302
.....CCAAGGUGUACGACCUUUUU	47
.....CAAGGUGUACGACCUU....	203
.....CAAGGUGUACGACCUUU..	1069
.....CAAGGUGUACGACCUUUU..	219
.....CAAGGUGUACGACCUUUUU	28
.....AAGGUGUACGACCUUU..	524
.....AAGGUGUACGACCUUUU..	117
.....AAGGUGUACGACCUUUUU	11
.....AGGUGUACGACCUUU..	2
.....AGGUGUACGACCUUUU..	16
.....AGGUGUACGACCUUUUU	3

**#cshR-rluc-20**

GUUAAUGCGUUUGCGUUGCUCGGGCUGUGAAGCCACAGAUGGGCCCAGCAACGCAAACGCAUUUUU	Reads
GUUAAUGCGUUUGCGUUGCUCGG.....	3
.UUAUGCGUUUGCGUUGCUCGG.....	2
..UAAUGCGUUUGCGUUGCUCGG.....	5
...UAAUGCGUUUGCGUUGCUCGG.....	15
...UAAUGCGUUUGCGUUGCUCGGGC.....	5
...AAUGCGUUUGCGUUGC.....	99
...AAUGCGUUUGCGUUGC.....	76
...AAUGCGUUUGCGUUGCUC.....	202
...AAUGCGUUUGCGUUGCUCG.....	278
...AAUGCGUUUGCGUUGCUCGG.....	4670
...AAUGCGUUUGCGUUGCUCGGG.....	23413
...AAUGCGUUUGCGUUGCUCGGGC.....	31252

...AAUGC GUUUGC GUUGCUCGGGCU.....	10476
...AAUGC GUUUGC GUUGCUCGGGCU.....	44
...AAUGC GUUUGC GUUGCUCGGGCU.....	20
...AAUGC GUUUGC GUUGCUCGGGCU.....	6
...AAUGC GUUUGC GUUGCUCGGGCU.....	3
...AAUGC GUUUGC GUUGCUCGGGCU.....	5
...AUGC GUUUGC GUUGCUC.....	11
...AUGC GUUUGC GUUGCUC.....	23
...AUGC GUUUGC GUUGCUC.....	24
...AUGC GUUUGC GUUGCUC.....	316
...AUGC GUUUGC GUUGCUC.....	544
...AUGC GUUUGC GUUGCUC.....	1012
...AUGC GUUUGC GUUGCUC.....	1047
...AUGC GUUUGC GUUGCUC.....	4
...AUGC GUUUGC GUUGCUC.....	5
...UGC GUUUGC GUUGCUC.....	26
...UGC GUUUGC GUUGCUC.....	4
...UGC GUUUGC GUUGCUC.....	75
...UGC GUUUGC GUUGCUC.....	199
...UGC GUUUGC GUUGCUC.....	386
...UGC GUUUGC GUUGCUC.....	673
...UGC GUUUGC GUUGCUC.....	27
...UGC GUUUGC GUUGCUC.....	19
...UGC GUUUGC GUUGCUC.....	2
...GCGUUUGC GUUGCUC.....	9
...GCGUUUGC GUUGCUC.....	102
...GCGUUUGC GUUGCUC.....	191
...GCGUUUGC GUUGCUC.....	374
...GCGUUUGC GUUGCUC.....	348
...GCGUUUGC GUUGCUC.....	411
...GCGUUUGC GUUGCUC.....	18
...CGUUUGC GUUGCUC.....	11
...CGUUUGC GUUGCUC.....	38
...CGUUUGC GUUGCUC.....	67
...CGUUUGC GUUGCUC.....	33
...CGUUUGC GUUGCUC.....	19
...CGUUUGC GUUGCUC.....	7
...CGUUUGC GUUGCUC.....	4
...CGUUUGC GUUGCUC.....	2
...GUUUUGC GUUGCUC.....	89
...GUUUUGC GUUGCUC.....	142
...GUUUUGC GUUGCUC.....	63
...GUUUUGC GUUGCUC.....	30
...GUUUUGC GUUGCUC.....	3
...GUUUUGC GUUGCUC.....	5
...UUUGC GUUGCUC.....	49
...UUUGC GUUGCUC.....	33

.....UUUGCUGUUCUCGGGCUG.....	44
.....UUUGCUGUUCUCGGGCUGU.....	3
.....UUUGCUGUUCUCGGGCUGUG.....	6
.....UUUGCUGUUCUCGGGCUGUGA.....	2
.....UUUGCUGUUCUCGGGCUGUGAAG.....	7
.....UUUGCUGUUCUCGGGCUGUGAAGC.....	2
.....UUGCUGUUCUCGGGCUG.....	43
.....UUGCUGUUCUCGGGCUG.....	74
.....UUGCUGUUCUCGGGCUGU.....	10
.....UUGCUGUUCUCGGGCUGUG.....	10
.....UUGCUGUUCUCGGGCUGUGA.....	3
.....UUGCUGUUCUCGGGCUGUGAAG.....	2
.....UUGCUGUUCUCGGGCUGUGAAGC.....	5
.....UUGCUGUUCUCGGGCUGUGAAGCC.....	2
.....UGCUGUUCUCGGGCUG.....	24
.....GCGUUCUCUCGGGCUGU.....	3
.....GCGUUCUCUCGGGCUGUG.....	5
.....CGUUCUCUCGGGCUGUG.....	4
.....CGUUCUCUCGGGCUGUGA.....	8
.....CGUUCUCUCGGGCUGUGAAG.....	3
.....UUGCUCGGGCUGUGAAG.....	7
.....UUGCUCGGGCUGUGAAGCC.....	6
.....UUGCUCGGGCUGUGAAGCCA.....	5
.....UUGCUCGGGCUGUGAAGCCAC.....	4
.....GCUCGGGCUGUGAAGCCA.....	3
.....CUCGGGCUGUGAAGCCA.....	2
.....CGGGCUGUGAAGCCAC.....	6
.....CGGGCUGUGAAGCCACAGAU.....	2
.....GCUGUGAAGCCACAGAUGGGC.....	4
.....GCUGUGAAGCCACAGAUGGGCC.....	4
.....GCUGUGAAGCCACAGAUGGGCCC.....	2
.....GCUGUGAAGCCACAGAUGGGCCCGAG.....	2
.....CUGUGAAGCCACAGAUGG.....	6
.....CUGUGAAGCCACAGAUGGG.....	3
.....CUGUGAAGCCACAGAUGGGC.....	19
.....CUGUGAAGCCACAGAUGGGCC.....	6917
.....CUGUGAAGCCACAGAUGGGCCCGAG.....	3
.....UGUGAAGCCACAGAUGG.....	7
.....UGUGAAGCCACAGAUGGG.....	5
.....UGUGAAGCCACAGAUGGGC.....	761
.....UGUGAAGCCACAGAUGGGCC.....	99
.....UGUGAAGCCACAGAUGGGCCCGA.....	2
.....UGUGAAGCCACAGAUGGGCCCGAG.....	15
.....UGUGAAGCCACAGAUGGGCCCGAGC.....	14
.....UGUGAAGCCACAGAUGGGCCCGAGCA.....	3
.....GUGAAGCCACAGAUGG.....	7
.....GUGAAGCCACAGAUGGG.....	20



.....GUGAAGCCACAGAUGGGC.....	13
.....GUGAAGCCACAGAUGGGCC.....	43
.....GUGAAGCCACAGAUGGGCCC.....	2
.....GUGAAGCCACAGAUGGGCCCGA.....	3
.....GUGAAGCCACAGAUGGGCCCAG.....	9
.....GUGAAGCCACAGAUGGGCCCAGC.....	3
.....UGAAGCCACAGAUGGG.....	5
.....UGAAGCCACAGAUGGGC.....	5
.....UGAAGCCACAGAUGGGCC.....	17
.....UGAAGCCACAGAUGGGCCC.....	7
.....UGAAGCCACAGAUGGGCCCAG.....	4
.....UGAAGCCACAGAUGGGCCCAG.....	2
.....UGAAGCCACAGAUGGGCCCAGCA.....	3
.....UGAAGCCACAGAUGGGCCCAGCAA.....	3
.....GAAGCCACAGAUGGGC.....	3
.....GAAGCCACAGAUGGGCC.....	30
.....AAGCCACAGAUGGGCC.....	28
.....AGCCACAGAUGGGCCCAGCAACG.....	4
.....GCCACAGAUGGGCCCAGCAAC.....	2
.....CCACAGAUGGGCCCAGCAACG.....	17
.....CCACAGAUGGGCCCAGCAACGCAAA.....	5
.....CCACAGAUGGGCCCAGCAACGCAAAC.....	3
.....CCACAGAUGGGCCCAGCAACGCAAACG.....	3
.....CACAGAUGGGCCCAG.....	2
.....CACAGAUGGGCCCAGCAACG.....	13
.....CACAGAUGGGCCCAGCAACGCAA.....	3
.....CACAGAUGGGCCCAGCAACGCAAAC.....	2
.....CACAGAUGGGCCCAGCAACGCAAACG.....	4
.....ACAGAUGGGCCCAGCAACGCAAACG.....	2
.....CAGAUGGGCCCAGCA.....	2
.....CAGAUGGGCCCAGCAA.....	3
.....CAGAUGGGCCCAGCAACGCAAACG.....	4
.....CAGAUGGGCCCAGCAACGCAAACGCAUU.....	3
.....CAGAUGGGCCCAGCAACGCAAACGCAUUU.....	5
.....AGAUGGGCCCAGCAACGCAAA.....	2
.....AGAUGGGCCCAGCAACGCAAAC.....	2
.....AGAUGGGCCCAGCAACGCAAACG.....	2
.....AGAUGGGCCCAGCAACGCAAACGCAUUU.....	2
.....AGAUGGGCCCAGCAACGCAAACGCAUUUU.....	4
.....GAUGGGCCCAGCAACG.....	2
.....GAUGGGCCCAGCAACGCAAACGCAUUU.....	4
.....AUGGGCCCAGCAACG.....	16
.....AUGGGCCCAGCAACGC.....	7
.....AUGGGCCCAGCAACGCAA.....	5
.....AUGGGCCCAGCAACGCAAA.....	4
.....AUGGGCCCAGCAACGCAAACGCA.....	2
.....AUGGGCCCAGCAACGCAAACGCAUU.....	3

.....AUGGGCCCAGCAACGCAAACGCAUUU..	3
.....AUGGGCCCAGCAACGCAAACGCAUUUU.	7
.....UGGGCCCAGCAACGC.....	14
.....UGGGCCCAGCAACGCAA.....	11
.....UGGGCCCAGCAACGCAAAA.....	2
.....UGGGCCCAGCAACGCAAAC.....	2
.....UGGGCCCAGCAACGCAAACGCA.....	7
.....UGGGCCCAGCAACGCAAACGCAU.....	4
.....UGGGCCCAGCAACGCAAACGCAUU..	6
.....UGGGCCCAGCAACGCAAACGCAUUU..	10
.....UGGGCCCAGCAACGCAAACGCAUUUU..	23
.....UGGGCCCAGCAACGCAAACGCAUUUUU	8
.....GGGCCCAGCAACGCAA.....	2
.....GGGCCCAGCAACGCAAACG.....	3
.....GGGCCCAGCAACGCAAACGCA.....	4
.....GGGCCCAGCAACGCAAACGCAU.....	3
.....GGGCCCAGCAACGCAAACGCAUUU..	2
.....GGGCCCAGCAACGCAAACGCAUUUU..	9
.....GGCCCGAGCAACGCAA.....	22
.....GGCCCGAGCAACGCAAAA.....	2
.....GGCCCGAGCAACGCAAAC.....	2
.....GGCCCGAGCAACGCAAACGCA.....	49
.....GGCCCGAGCAACGCAAACGCAU.....	3
.....GGCCCGAGCAACGCAAACGCAUUU..	4
.....GGCCCGAGCAACGCAAACGCAUUUUU	2
.....GCCCGAGCAACGCAAACG.....	6
.....GCCCGAGCAACGCAAACGC.....	3
.....GCCCGAGCAACGCAAACGCA.....	59
.....GCCCGAGCAACGCAAACGCAU.....	21
.....GCCCGAGCAACGCAAACGCAUU..	109
.....GCCCGAGCAACGCAAACGCAUUU..	37
.....GCCCGAGCAACGCAAACGCAUUUU..	25
.....GCCCGAGCAACGCAAACGCAUUUUU	10
.....CCCGAGCAACGCAAAC.....	13
.....CCCGAGCAACGCAAACG.....	48
.....CCCGAGCAACGCAAACGC.....	31
.....CCCGAGCAACGCAAACGCA.....	331
.....CCCGAGCAACGCAAACGCAU.....	620
.....CCCGAGCAACGCAAACGCAUU..	2813
.....CCCGAGCAACGCAAACGCAUUU..	5227
.....CCCGAGCAACGCAAACGCAUUUU..	2923
.....CCCGAGCAACGCAAACGCAUUUUU	436
.....CCGAGCAACGCAAACG.....	123
.....CCGAGCAACGCAAACGC.....	231
.....CCGAGCAACGCAAACGCA.....	916
.....CCGAGCAACGCAAACGCAU.....	1635
.....CCGAGCAACGCAAACGCAUU..	1497

.....CCGAGCAACGCAAACGCAUUU..	27043
.....CCGAGCAACGCAAACGCAUUUU.	44253
.....CCGAGCAACGCAAACGCAUUUUU	6647
.....CGAGCAACGCAAACGC.....	124
.....CGAGCAACGCAAACGCA.....	1991
.....CGAGCAACGCAAACGCAU....	959
.....CGAGCAACGCAAACGCAUU...	1402
.....CGAGCAACGCAAACGCAUUU..	29782
.....CGAGCAACGCAAACGCAUUUU.	146453
.....CGAGCAACGCAAACGCAUUUUU	34252
.....GAGCAACGCAAACGCA.....	225
.....GAGCAACGCAAACGCAU....	49
.....GAGCAACGCAAACGCAUU...	72
.....GAGCAACGCAAACGCAUUU..	861
.....GAGCAACGCAAACGCAUUUU.	3193
.....GAGCAACGCAAACGCAUUUUU	741
.....AGCAACGCAAACGCAU....	3
.....AGCAACGCAAACGCAUU...	20
.....AGCAACGCAAACGCAUUU..	108
.....AGCAACGCAAACGCAUUUU.	390
.....AGCAACGCAAACGCAUUUUU	84
.....GCAACGCAAACGCAUU...	11
.....GCAACGCAAACGCAUUU..	91
.....GCAACGCAAACGCAUUUU.	346
.....GCAACGCAAACGCAUUUUU	73
.....CAACGCAAACGCAUUU..	90
.....CAACGCAAACGCAUUUU.	380
.....CAACGCAAACGCAUUUUU	95
.....AACGCAAACGCAUUUU.	830
.....AACGCAAACGCAUUUUU	252
.....ACGCAAACGCAUUUU.	2
.....ACGCAAACGCAUUUUU	30

**#cshR-rluc-123**

GUUAAAUCACGGCGUUCUCGGCGUCUGUGAAGCCACAGAUGGGACGCCGAGAACGCCGUGAUUUUU	Reads
GUUAAAUCACGGCGUUCUCGGCGUC.....	2
.UUAAAUCACGGCGUUCUCGGCGUC.....	6
.UUAAAUCACGGCGUUCUCGGCGUC.....	3
..UAAAUCACGGCGUUCUCGGCG.....	3
..UAAAUCACGGCGUUCUCGGCGU.....	13
..UAAAUCACGGCGUUCUCGGCGUC.....	20
..UAAAUCACGGCGUUCUCGGCGUCU.....	4
...AAAUCACGGCGUUCU.....	3
...AAAUCACGGCGUUCUC.....	96
...AAAUCACGGCGUUCUCG.....	516
...AAAUCACGGCGUUCUCGG.....	1623
...AAAUCACGGCGUUCUCGGC.....	936

...AAAUCACGGCGUUCUCGGCG...	4562
...AAAUCACGGCGUUCUCGGCGU...	30692
...AAAUCACGGCGUUCUCGGCGUC...	290887
...AAAUCACGGCGUUCUCGGCGUCU...	46309
...AAAUCACGGCGUUCUCGGCGUCUG...	100
...AAAUCACGGCGUUCUCGGCGUCUGU...	47
...AAAUCACGGCGUUCUCGGCGUCUGUG...	7
...AAAUCACGGCGUUCUCGGCGUCUGUGA...	4
...AAAUCACGGCGUUCUCGGCGUCUGUGAAG...	2
...AAAUCACGGCGUUCUCGGCGUCUGUGAAGC...	6
...AAUCACGGCGUUCUCG...	13
...AAUCACGGCGUUCUCGG...	51
...AAUCACGGCGUUCUCGGC...	57
...AAUCACGGCGUUCUCGGCG...	222
...AAUCACGGCGUUCUCGGCGU...	922
...AAUCACGGCGUUCUCGGCGUC...	8677
...AAUCACGGCGUUCUCGGCGUCU...	3298
...AAUCACGGCGUUCUCGGCGUCUG...	30
...AAUCACGGCGUUCUCGGCGUCUGU...	11
...AAUCACGGCGUUCUCGGCGUCUGUG...	2
...AUCACGGCGUUCUCGG...	24
...AUCACGGCGUUCUCGGC...	24
...AUCACGGCGUUCUCGGCG...	157
...AUCACGGCGUUCUCGGCGU...	637
...AUCACGGCGUUCUCGGCGUC...	3654
...AUCACGGCGUUCUCGGCGUCU...	946
...AUCACGGCGUUCUCGGCGUCUG...	21
...AUCACGGCGUUCUCGGCGUCUGU...	30
...UCACGGCGUUCUCGGC...	11
...UCACGGCGUUCUCGGCG...	137
...UCACGGCGUUCUCGGCGU...	469
...UCACGGCGUUCUCGGCGUC...	2787
...UCACGGCGUUCUCGGCGUCU...	405
...UCACGGCGUUCUCGGCGUCUG...	28
...UCACGGCGUUCUCGGCGUCUGU...	10
...UCACGGCGUUCUCGGCGUCUGUGAA...	2
...CACGGCGUUCUCGGCG...	144
...CACGGCGUUCUCGGCGU...	549
...CACGGCGUUCUCGGCGUC...	4883
...CACGGCGUUCUCGGCGUCU...	757
...CACGGCGUUCUCGGCGUCUG...	38
...CACGGCGUUCUCGGCGUCUGU...	5
...CACGGCGUUCUCGGCGUCUGUGAAGCC...	2
...ACGGCGUUCUCGGCGU...	123
...ACGGCGUUCUCGGCGUC...	882
...ACGGCGUUCUCGGCGUCU...	181
...ACGGCGUUCUCGGCGUCUG...	104

.....ACGGCGUUCUCGGCGUCUGU.....	5
.....ACGGCGUUCUCGGCGUCUGUG.....	7
.....ACGGCGUUCUCGGCGUCUGUGA.....	2
.....ACGGCGUUCUCGGCGUCUGUGAAG.....	6
.....ACGGCGUUCUCGGCGUCUGUGAAGCCA.....	2
.....CGGCGUUCUCGGCGU.....	2
.....CGGCGUUCUCGGCGUC.....	480
.....CGGCGUUCUCGGCGUCU.....	57
.....CGGCGUUCUCGGCGUCUG.....	27
.....CGGCGUUCUCGGCGUCUGUG.....	6
.....CGGCGUUCUCGGCGUCUGUGA.....	2
.....CGGCGUUCUCGGCGUCUGUGAA.....	6
.....CGGCGUUCUCGGCGUCUGUGAAG.....	36
.....CGGCGUUCUCGGCGUCUGUGAAGCC.....	3
.....CGGCGUUCUCGGCGUCUGUGAAGCCA.....	4
.....CGGCGUUCUCGGCGUCUGUGAAGCCAC.....	3
.....GGCGUUCUCGGCGUC.....	5
.....GGCGUUCUCGGCGUCU.....	9
.....GGCGUUCUCGGCGUCUG.....	2
.....GGCGUUCUCGGCGUCUGUGAAGCCA.....	3
.....GCGUUCUCGGCGUCUG.....	4
.....GCGUUCUCGGCGUCUGU.....	2
.....GCGUUCUCGGCGUCUGUG.....	6
.....GCGUUCUCGGCGUCUGUGA.....	2
.....GCGUUCUCGGCGUCUGUGAAG.....	2
.....GCGUUCUCGGCGUCUGUGAAGC.....	3
.....GCGUUCUCGGCGUCUGUGAAGCC.....	2
.....GCGUUCUCGGCGUCUGUGAAGCCA.....	2
.....GCGUUCUCGGCGUCUGUGAAGCCAC.....	3
.....CGUUCUCGGCGUCUGU.....	3
.....CGUUCUCGGCGUCUGUG.....	6
.....CGUUCUCGGCGUCUGUGAA.....	3
.....CGUUCUCGGCGUCUGUGAAGCC.....	3
.....CGUUCUCGGCGUCUGUGAAGCCA.....	11
.....GUUCUCGGCGUCUGUG.....	2
.....GUUCUCGGCGUCUGUGA.....	2
.....GUUCUCGGCGUCUGUGAAG.....	8
.....GUUCUCGGCGUCUGUGAAGC.....	3
.....GUUCUCGGCGUCUGUGAAGCCA.....	5
.....GUUCUCGGCGUCUGUGAAGCCAC.....	9
.....GUUCUCGGCGUCUGUGAAGCCACA.....	2
.....GUUCUCGGCGUCUGUGAAGCCACAG.....	2
.....UUCUCGGCGUCUGUGAAG.....	3
.....UUCUCGGCGUCUGUGAAGC.....	2
.....UUCUCGGCGUCUGUGAAGCCA.....	5
.....UUCUCGGCGUCUGUGAAGCCACA.....	4
.....UUCUCGGCGUCUGUGAAGCCACAG.....	2

.....UUCUCGGCGUCUGUGAAGCCACAGA.....	2
.....UUCUCGGCGUCUGUGAAGCCACAGAU.....	2
.....UCUCGGCGUCUGUGAAG.....	3
.....UCUCGGCGUCUGUGAAGC.....	2
.....UCUCGGCGUCUGUGAAGCCA.....	6
.....UCUCGGCGUCUGUGAAGCCAC.....	4
.....UCUCGGCGUCUGUGAAGCCACA.....	2
.....CUCGGCGUCUGUGAAG.....	2
.....CUCGGCGUCUGUGAAGC.....	3
.....CUCGGCGUCUGUGAAGCC.....	2
.....CUCGGCGUCUGUGAAGCCA.....	7
.....CUCGGCGUCUGUGAAGCCAC.....	8
.....CUCGGCGUCUGUGAAGCCACAGA.....	2
.....UCGGCGUCUGUGAAGCC.....	2
.....UCGGCGUCUGUGAAGCCA.....	6
.....UCGGCGUCUGUGAAGCCAC.....	2
.....CGGCGUCUGUGAAGCC.....	3
.....CGGCGUCUGUGAAGCCA.....	3
.....CGGCGUCUGUGAAGCCAC.....	2
.....CGGCGUCUGUGAAGCCACA.....	3
.....CGGCGUCUGUGAAGCCACAGAUGGGAC.....	4
.....GGCGUCUGUGAAGCCAC.....	5
.....GGCGUCUGUGAAGCCACAGAUGGGA.....	4
.....GCGUCUGUGAAGCCAC.....	8
.....GCGUCUGUGAAGCCACAGAUG.....	4
.....GCGUCUGUGAAGCCACAGAUGGG.....	2
.....GCGUCUGUGAAGCCACAGAUGGGA.....	10
.....GCGUCUGUGAAGCCACAGAUGGGACG.....	6
.....CGUCUGUGAAGCCACAG.....	6
.....CGUCUGUGAAGCCACAGA.....	2
.....CGUCUGUGAAGCCACAGAUGGG.....	6
.....CGUCUGUGAAGCCACAGAUGGGA.....	3
.....CGUCUGUGAAGCCACAGAUGGGAC.....	2
.....CGUCUGUGAAGCCACAGAUGGGACGC.....	3
.....CGUCUGUGAAGCCACAGAUGGGACGCC.....	3
.....CGUCUGUGAAGCCACAGAUGGGACGCCGA.....	2
.....GUCUGUGAAGCCACAGA.....	3
.....GUCUGUGAAGCCACAGAUG.....	3
.....GUCUGUGAAGCCACAGAUGG.....	3
.....GUCUGUGAAGCCACAGAUGGGA.....	2
.....GUCUGUGAAGCCACAGAUGGGACG.....	10
.....GUCUGUGAAGCCACAGAUGGGACGC.....	5
.....GUCUGUGAAGCCACAGAUGGGACGCC.....	4
.....GUCUGUGAAGCCACAGAUGGGACGCCG.....	3
.....GUCUGUGAAGCCACAGAUGGGACGCCGA.....	3
.....GUCUGUGAAGCCACAGAUGGGACGCCGAG.....	2
.....UCUGUGAAGCCACAGAU.....	3

.....UCUGUGAAGCCACAGAUGG.....	2
.....UCUGUGAAGCCACAGAUGGGA.....	5
.....UCUGUGAAGCCACAGAUGGGAC.....	2
.....UCUGUGAAGCCACAGAUGGGACG.....	503
.....UCUGUGAAGCCACAGAUGGGACGCC.....	2
.....UCUGUGAAGCCACAGAUGGGACGCCGAG.....	2
.....CUGUGAAGCCACAGAU.....	2
.....CUGUGAAGCCACAGAUGG.....	12
.....CUGUGAAGCCACAGAUGGG.....	3
.....CUGUGAAGCCACAGAUGGGA.....	18
.....CUGUGAAGCCACAGAUGGGAC.....	898
.....CUGUGAAGCCACAGAUGGGACG.....	21
.....CUGUGAAGCCACAGAUGGGACGC.....	9
.....CUGUGAAGCCACAGAUGGGACGCC.....	3
.....CUGUGAAGCCACAGAUGGGACGCCG.....	3
.....CUGUGAAGCCACAGAUGGGACGCCGAG.....	2
.....CUGUGAAGCCACAGAUGGGACGCCGAGAA.....	4
.....UGUGAAGCCACAGAUG.....	2
.....UGUGAAGCCACAGAUGG.....	22
.....UGUGAAGCCACAGAUGGG.....	7
.....UGUGAAGCCACAGAUGGGA.....	2732
.....UGUGAAGCCACAGAUGGGAC.....	21
.....UGUGAAGCCACAGAUGGGACG.....	33
.....UGUGAAGCCACAGAUGGGACGC.....	10
.....UGUGAAGCCACAGAUGGGACGCC.....	4
.....UGUGAAGCCACAGAUGGGACGCCG.....	6
.....UGUGAAGCCACAGAUGGGACGCCGA.....	9
.....UGUGAAGCCACAGAUGGGACGCCGAG.....	4
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.....UGUGAAGCCACAGAUGGGACGCCGAGAACG.....	2
.....GUGAAGCCACAGAUGG.....	4
.....GUGAAGCCACAGAUGGG.....	9
.....GUGAAGCCACAGAUGGGA.....	27
.....GUGAAGCCACAGAUGGGAC.....	10
.....GUGAAGCCACAGAUGGGACG.....	49
.....GUGAAGCCACAGAUGGGACGC.....	8
.....GUGAAGCCACAGAUGGGACGCC.....	4
.....GUGAAGCCACAGAUGGGACGCCG.....	5
.....GUGAAGCCACAGAUGGGACGCCGA.....	6
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.....GUGAAGCCACAGAUGGGACGCCGAGA.....	2
.....GUGAAGCCACAGAUGGGACGCCGAGAAC.....	2
.....GUGAAGCCACAGAUGGGACGCCGAGAACG.....	2
.....UGAAGCCACAGAUGGG.....	15
.....UGAAGCCACAGAUGGGA.....	26
.....UGAAGCCACAGAUGGGAC.....	37

.....UGAAGCCACAGAUGGGACG.....	88
.....UGAAGCCACAGAUGGGACGC.....	30
.....UGAAGCCACAGAUGGGACGCC.....	12
.....UGAAGCCACAGAUGGGACGCCG.....	13
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.....UGAAGCCACAGAUGGGACGCCGAGAAC.....	7
.....UGAAGCCACAGAUGGGACGCCGAGAACG.....	7
.....UGAAGCCACAGAUGGGACGCCGAGAACGC.....	5
.....UGAAGCCACAGAUGGGACGCCGAGAACGCC.....	5
.....GAAGCCACAGAUGGGA.....	5
.....GAAGCCACAGAUGGGAC.....	11
.....GAAGCCACAGAUGGGACG.....	30
.....GAAGCCACAGAUGGGACGC.....	7
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.....GAAGCCACAGAUGGGACGCCGA.....	4
.....GAAGCCACAGAUGGGACGCCGAG.....	4
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.....AAGCCACAGAUGGGAC.....	6
.....AAGCCACAGAUGGGACG.....	7
.....AAGCCACAGAUGGGACGC.....	5
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.....AAGCCACAGAUGGGACGCCGA.....	5
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.....AGCCACAGAUGGGACGC.....	3
.....AGCCACAGAUGGGACGCCGAGAACGCCGU.....	2
.....GCCACAGAUGGGACGC.....	6
.....GCCACAGAUGGGACGCCGA.....	2
.....GCCACAGAUGGGACGCCGAG.....	3
.....GCCACAGAUGGGACGCCGAGAACGC.....	2
.....CCACAGAUGGGACGCCGA.....	2
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.....CCACAGAUGGGACGCCGAGAACG.....	37
.....CCACAGAUGGGACGCCGAGAACGC.....	6
.....CCACAGAUGGGACGCCGAGAACGCC.....	3
.....CCACAGAUGGGACGCCGAGAACGCCGUG.....	3
.....CCACAGAUGGGACGCCGAGAACGCCGUGA.....	10



.....CACAGAUGGGACGCCG.....	3
.....CACAGAUGGGACGCCGA.....	3
.....CACAGAUGGGACGCCGAG.....	4
.....CACAGAUGGGACGCCGAGAA.....	4
.....CACAGAUGGGACGCCGAGAAC.....	23
.....CACAGAUGGGACGCCGAGAACG.....	12
.....CACAGAUGGGACGCCGAGAACGC.....	4
.....CACAGAUGGGACGCCGAGAACGCC.....	3
.....CACAGAUGGGACGCCGAGAACGCCG.....	4
.....CACAGAUGGGACGCCGAGAACGCCGUG.....	6
.....CACAGAUGGGACGCCGAGAACGCCGUGA.....	5
.....ACAGAUGGGACGCCGAG.....	2
.....ACAGAUGGGACGCCGAGAAC.....	8
.....ACAGAUGGGACGCCGAGAACG.....	7
.....ACAGAUGGGACGCCGAGAACGCC.....	2
.....ACAGAUGGGACGCCGAGAACGCCGUGA.....	2
.....ACAGAUGGGACGCCGAGAACGCCGUGAU.....	3
.....ACAGAUGGGACGCCGAGAACGCCGUGAUU.....	5
.....CAGAUGGGACGCCGAG.....	22
.....CAGAUGGGACGCCGAGA.....	8
.....CAGAUGGGACGCCGAGAA.....	8
.....CAGAUGGGACGCCGAGAAC.....	9
.....CAGAUGGGACGCCGAGAACG.....	3
.....CAGAUGGGACGCCGAGAACGC.....	5
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.....CAGAUGGGACGCCGAGAACGCCGU.....	5
.....CAGAUGGGACGCCGAGAACGCCGUG.....	9
.....CAGAUGGGACGCCGAGAACGCCGUGA.....	7
.....CAGAUGGGACGCCGAGAACGCCGUGAU.....	5
.....CAGAUGGGACGCCGAGAACGCCGUGAUU.....	5
.....AGAUGGGACGCCGAGA.....	5
.....AGAUGGGACGCCGAGAA.....	21
.....AGAUGGGACGCCGAGAAC.....	4
.....AGAUGGGACGCCGAGAACG.....	6
.....AGAUGGGACGCCGAGAACGC.....	4
.....AGAUGGGACGCCGAGAACGCC.....	2
.....AGAUGGGACGCCGAGAACGCCG.....	2
.....AGAUGGGACGCCGAGAACGCCGU.....	2
.....AGAUGGGACGCCGAGAACGCCGUG.....	2
.....AGAUGGGACGCCGAGAACGCCGUGA.....	5
.....AGAUGGGACGCCGAGAACGCCGUGAU.....	4
.....AGAUGGGACGCCGAGAACGCCGUGAUU.....	6
.....AGAUGGGACGCCGAGAACGCCGUGAUUU.....	2
.....AGAUGGGACGCCGAGAACGCCGUGAUUUU.....	3
.....AGAUGGGACGCCGAGAACGCCGUGAUUUUU.....	9
.....GAUGGGACGCCGAGAA.....	2

.....GAUGGGACGCCGAGAAC.....	3
.....GAUGGGACGCCGAGAACGCCGUG.....	2
.....GAUGGGACGCCGAGAACGCCGUGA.....	2
.....GAUGGGACGCCGAGAACGCCGUGAUUUU.....	2
.....GAUGGGACGCCGAGAACGCCGUGAUUUUU.....	6
.....AUGGGACGCCGAGAAC.....	26
.....AUGGGACGCCGAGAACG.....	22
.....AUGGGACGCCGAGAACGC.....	5
.....AUGGGACGCCGAGAACGCCGUG.....	2
.....AUGGGACGCCGAGAACGCCGUGA.....	5
.....AUGGGACGCCGAGAACGCCGUGAU.....	2
.....AUGGGACGCCGAGAACGCCGUGAUU.....	3
.....AUGGGACGCCGAGAACGCCGUGAUUU.....	4
.....AUGGGACGCCGAGAACGCCGUGAUUUU.....	5
.....AUGGGACGCCGAGAACGCCGUGAUUUUU.....	16
.....UGGGACGCCGAGAACG.....	24
.....UGGGACGCCGAGAACGC.....	7
.....UGGGACGCCGAGAACGCC.....	9
.....UGGGACGCCGAGAACGCCG.....	9
.....UGGGACGCCGAGAACGCCGU.....	6
.....UGGGACGCCGAGAACGCCGUG.....	4
.....UGGGACGCCGAGAACGCCGUGA.....	19
.....UGGGACGCCGAGAACGCCGUGAU.....	6
.....UGGGACGCCGAGAACGCCGUGAUU.....	14
.....UGGGACGCCGAGAACGCCGUGAUUU.....	9
.....UGGGACGCCGAGAACGCCGUGAUUUU.....	35
.....UGGGACGCCGAGAACGCCGUGAUUUUU.....	81
.....GGGACGCCGAGAACGC.....	2
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.....GGGACGCCGAGAACGCCG.....	5
.....GGGACGCCGAGAACGCCGU.....	2
.....GGGACGCCGAGAACGCCGUG.....	5
.....GGGACGCCGAGAACGCCGUGA.....	17
.....GGGACGCCGAGAACGCCGUGAU.....	5
.....GGGACGCCGAGAACGCCGUGAUU.....	2
.....GGGACGCCGAGAACGCCGUGAUUU.....	3
.....GGGACGCCGAGAACGCCGUGAUUUU.....	13
.....GGGACGCCGAGAACGCCGUGAUUUUU.....	35
.....GGACGCCGAGAACGCC.....	7
.....GGACGCCGAGAACGCCG.....	6
.....GGACGCCGAGAACGCCGUGA.....	17
.....GGACGCCGAGAACGCCGUGAU.....	2
.....GGACGCCGAGAACGCCGUGAUUU.....	2
.....GGACGCCGAGAACGCCGUGAUUUU.....	7
.....GGACGCCGAGAACGCCGUGAUUUUU.....	5
.....GACGCCGAGAACGCCG.....	8
.....GACGCCGAGAACGCCGU.....	2

.....GACGCCGAGAACGCCGUG.....	5
.....GACGCCGAGAACGCCGUGA.....	42
.....GACGCCGAGAACGCCGUGAU....	15
.....GACGCCGAGAACGCCGUGAUU...	46
.....GACGCCGAGAACGCCGUGAUUU..	50
.....GACGCCGAGAACGCCGUGAUUUU.	346
.....GACGCCGAGAACGCCGUGAUUUUU	943
.....ACGCCGAGAACGCCGU.....	11
.....ACGCCGAGAACGCCGUG.....	8
.....ACGCCGAGAACGCCGUGA.....	71
.....ACGCCGAGAACGCCGUGAU....	68
.....ACGCCGAGAACGCCGUGAUU...	277
.....ACGCCGAGAACGCCGUGAUUU..	783
.....ACGCCGAGAACGCCGUGAUUUU.	3085
.....ACGCCGAGAACGCCGUGAUUUUU	2840
.....CGCCGAGAACGCCGUG.....	86
.....CGCCGAGAACGCCGUGA.....	661
.....CGCCGAGAACGCCGUGAU....	1103
.....CGCCGAGAACGCCGUGAUU...	2656
.....CGCCGAGAACGCCGUGAUUU..	2380
.....CGCCGAGAACGCCGUGAUUUU.	23249
.....CGCCGAGAACGCCGUGAUUUUU	68449
.....GCCGAGAACGCCGUGA.....	100
.....GCCGAGAACGCCGUGAU....	90
.....GCCGAGAACGCCGUGAUU...	205
.....GCCGAGAACGCCGUGAUUU..	290
.....GCCGAGAACGCCGUGAUUUU.	741
.....GCCGAGAACGCCGUGAUUUUU	5902
.....CCGAGAACGCCGUGAU....	17
.....CCGAGAACGCCGUGAUU...	41
.....CCGAGAACGCCGUGAUUU..	68
.....CCGAGAACGCCGUGAUUUU.	192
.....CCGAGAACGCCGUGAUUUUU	529
.....CGAGAACGCCGUGAUU...	15
.....CGAGAACGCCGUGAUUU..	23
.....CGAGAACGCCGUGAUUUU.	134
.....CGAGAACGCCGUGAUUUUU	361
.....GAGAACGCCGUGAUUU..	15
.....GAGAACGCCGUGAUUUU.	112
.....GAGAACGCCGUGAUUUUU	321
.....AGAACGCCGUGAUUUU.	64
.....AGAACGCCGUGAUUUUU	208
.....GAACGCCGUGAUUUUU	44

**#cshR-rluc-201**

GUUAGAUGCAUCUAGCCACGGGUCUGUGAAGCCACAGAUGGGAGCCCUGGCCUAGAUGCAUCUUUUU	Reads
.UUAGAUGCAUCUAGCCACGG.....	2

.UUAGAUGCAUCUAGCCACGGGUCU.....	4
.UUAGAUGCAUCUAGCCACGGGUCUC.....	4
..UAGAUGCAUCUAGCCACGG.....	6
..UAGAUGCAUCUAGCCACGGG.....	2
..UAGAUGCAUCUAGCCACGGGC.....	2
..UAGAUGCAUCUAGCCACGGGCU.....	7
..UAGAUGCAUCUAGCCACGGGUC.....	27
..UAGAUGCAUCUAGCCACGGGUCUC.....	73
...AGAUGCAUCUAGCCA.....	6
...AGAUGCAUCUAGCCAC.....	139
...AGAUGCAUCUAGCCACG.....	826
...AGAUGCAUCUAGCCACGG.....	15087
...AGAUGCAUCUAGCCACGGG.....	5705
...AGAUGCAUCUAGCCACGGGC.....	1620
...AGAUGCAUCUAGCCACGGGCU.....	6337
...AGAUGCAUCUAGCCACGGGUC.....	69744
...AGAUGCAUCUAGCCACGGGUCUC.....	399031
...AGAUGCAUCUAGCCACGGGUCUCUG.....	260
...AGAUGCAUCUAGCCACGGGUCUCUGU.....	142
...AGAUGCAUCUAGCCACGGGUCUCUGUG.....	14
...AGAUGCAUCUAGCCACGGGUCUCUGUGA.....	6
...AGAUGCAUCUAGCCACGGGUCUCUGUGAA.....	3
....GAUGCAUCUAGCCACG.....	17
....GAUGCAUCUAGCCACGG.....	330
....GAUGCAUCUAGCCACGGG.....	120
....GAUGCAUCUAGCCACGGGC.....	39
....GAUGCAUCUAGCCACGGGCU.....	150
....GAUGCAUCUAGCCACGGGUC.....	1864
....GAUGCAUCUAGCCACGGGUCUC.....	5684
....GAUGCAUCUAGCCACGGGUCUCUG.....	19
....GAUGCAUCUAGCCACGGGUCUCUGU.....	13
....GAUGCAUCUAGCCACGGGUCUCUGUGA.....	3
.....AUGCAUCUAGCCACGG.....	99
.....AUGCAUCUAGCCACGGG.....	63
.....AUGCAUCUAGCCACGGGC.....	44
.....AUGCAUCUAGCCACGGGCU.....	99
.....AUGCAUCUAGCCACGGGUC.....	811
.....AUGCAUCUAGCCACGGGUCUC.....	3569
.....AUGCAUCUAGCCACGGGUCUCUG.....	7
.....AUGCAUCUAGCCACGGGUCUCUGU.....	13
.....AUGCAUCUAGCCACGGGUCUCUGUG.....	2
.....AUGCAUCUAGCCACGGGUCUCUGUGAA.....	3
.....UGCAUCUAGCCACGGG.....	8
.....UGCAUCUAGCCACGGGC.....	16
.....UGCAUCUAGCCACGGGCU.....	29
.....UGCAUCUAGCCACGGGUC.....	266
.....UGCAUCUAGCCACGGGUCUC.....	840

.....UGCAUCUAGCCACGGGCUCUG.....	8
.....UGCAUCUAGCCACGGGCUCUGU.....	6
.....UGCAUCUAGCCACGGGCUCUGUG.....	6
.....UGCAUCUAGCCACGGGCUCUGUGAA.....	2
.....GCAUCUAGCCACGGGC.....	19
.....GCAUCUAGCCACGGGCU.....	49
.....GCAUCUAGCCACGGGCUC.....	279
.....GCAUCUAGCCACGGGCUCU.....	746
.....GCAUCUAGCCACGGGCUCUG.....	10
.....GCAUCUAGCCACGGGCUCUGU.....	6
.....GCAUCUAGCCACGGGCUCUGUGAAG.....	4
.....CAUCUAGCCACGGGCU.....	22
.....CAUCUAGCCACGGGCUC.....	144
.....CAUCUAGCCACGGGCUCU.....	373
.....CAUCUAGCCACGGGCUCUG.....	3
.....CAUCUAGCCACGGGCUCUGU.....	3
.....CAUCUAGCCACGGGCUCUGUGAAG.....	4
.....AUCUAGCCACGGGCUC.....	167
.....AUCUAGCCACGGGCUCU.....	452
.....AUCUAGCCACGGGCUCUG.....	6
.....AUCUAGCCACGGGCUCUGU.....	2
.....AUCUAGCCACGGGCUCUGUG.....	2
.....AUCUAGCCACGGGCUCUGUGAA.....	8
.....AUCUAGCCACGGGCUCUGUGAAG.....	15
.....AUCUAGCCACGGGCUCUGUGAAGC.....	2
.....UCUAGCCACGGGCUCU.....	196
.....UCUAGCCACGGGCUCUG.....	3
.....UCUAGCCACGGGCUCUGUGA.....	5
.....UCUAGCCACGGGCUCUGUGAA.....	3
.....UCUAGCCACGGGCUCUGUGAAG.....	10
.....CUAGCCACGGGCUCU.....	3
.....CUAGCCACGGGCUCUG.....	8
.....CUAGCCACGGGCUCUGU.....	3
.....CUAGCCACGGGCUCUGUGAAG.....	2
.....UAGCCACGGGCUCUGU.....	2
.....UAGCCACGGGCUCUGUG.....	5
.....UAGCCACGGGCUCUGUGA.....	2
.....UAGCCACGGGCUCUGUGAA.....	2
.....UAGCCACGGGCUCUGUGAAG.....	7
.....AGCCACGGGCUCUGUG.....	2
.....GCCACGGGCUCUGUGA.....	3
.....CGGGCUCUGUGAAGCCAC.....	2
.....GCUCUGUGAAGCCACAGAU.....	3
.....CUCUGUGAAGCCACAGA.....	2
.....CUCUGUGAAGCCACAGAUGG.....	3
.....CUCUGUGAAGCCACAGAUGGGAG.....	3
.....UCUGUGAAGCCACAGAUG.....	2

.....CUGUGAAGCCACAGAUGGGAG.....	57
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.....UGUGAAGCCACAGAUGG.....	5
.....UGUGAAGCCACAGAUGGG.....	9
.....UGUGAAGCCACAGAUGGGA.....	930
.....UGUGAAGCCACAGAUGGGAG.....	3
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.....UGUGAAGCCACAGAUGGGAGCCCGUGG.....	4
.....GUGAAGCCACAGAUGG.....	3
.....GUGAAGCCACAGAUGGG.....	287
.....GUGAAGCCACAGAUGGGA.....	35
.....GUGAAGCCACAGAUGGGAG.....	3
.....GUGAAGCCACAGAUGGGAGC.....	2
.....UGAAGCCACAGAUGGG.....	7
.....UGAAGCCACAGAUGGGA.....	3
.....UGAAGCCACAGAUGGGAG.....	6
.....UGAAGCCACAGAUGGGAGCC.....	3
.....UGAAGCCACAGAUGGGAGCCC.....	7
.....UGAAGCCACAGAUGGGAGCCCGU.....	2
.....UGAAGCCACAGAUGGGAGCCCGUG.....	6
.....UGAAGCCACAGAUGGGAGCCCGUGG.....	2
.....GAAGCCACAGAUGGGA.....	3
.....GAAGCCACAGAUGGGAGCCC.....	2
.....ACAGAUGGGAGCCCGUGGC.....	2
.....CAGAUGGGAGCCCGUGG.....	4
.....AGAUGGGAGCCCGUGG.....	2

**#shR-miR-150 WU3**

	Reads
UUUGGUACAAGGGUUGGGAGAUGCUGUGCCUCAGACCUCUCCCAACCCUUGUACCAUUUUU	
UUUGGUACAAGGGUUGGGAGAUG.....	2
UUUGGUACAAGGGUUGGGAGAUGC.....	2
.UUGGUACAAGGGUUGGGA.....	2
.UUGGUACAAGGGUUGGGAGA.....	2
.UUGGUACAAGGGUUGGGAGAU.....	12
.UUGGUACAAGGGUUGGGAGAUG.....	20
.UUGGUACAAGGGUUGGGAGAUGC.....	2
..UGGUACAAGGGUUGGG.....	2
..UGGUACAAGGGUUGGGA.....	7
..UGGUACAAGGGUUGGGAGA.....	13
..UGGUACAAGGGUUGGGAGAU.....	19
..UGGUACAAGGGUUGGGAGAUG.....	38
..UGGUACAAGGGUUGGGAGAUGC.....	55
..UGGUACAAGGGUUGGGAGAUGC.....	3
..UGGUACAAGGGUUGGGAGAUGCUG.....	2
...GGUACAAGGGUUGGGA.....	1020
...GGUACAAGGGUUGGGAG.....	333
...GGUACAAGGGUUGGGAGA.....	2526

... GGUACAAGGGUUGGGAGAU . . . . .	669
... GGUACAAGGGUUGGGAGAU G . . . . .	1334
... GGUACAAGGGUUGGGAGAU GC . . . . .	748
... GGUACAAGGGUUGGGAGAU GCU . . . . .	139
... GGUACAAGGGUUGGGAGAU G CUG . . . . .	103
... GGUACAAGGGUUGGGAGAU G CUGU . . . . .	68
... GGUACAAGGGUUGGGAGAU G CUGUG . . . . .	46
... GGUACAAGGGUUGGGAGAU G CUGUG C . . . . .	141
... GGUACAAGGGUUGGGAGAU G CUGUG CC . . . . .	49
... GUACAAGGGUUGGGAG . . . . .	31
... GUACAAGGGUUGGGAG A . . . . .	198
... GUACAAGGGUUGGGAG AU . . . . .	30
... GUACAAGGGUUGGGAG AU G . . . . .	56
... GUACAAGGGUUGGGAG AU GC . . . . .	47
... GUACAAGGGUUGGGAG AU GCU . . . . .	25
... GUACAAGGGUUGGGAG AU G CUG . . . . .	15
... GUACAAGGGUUGGGAG AU G CUGU . . . . .	14
... GUACAAGGGUUGGGAG AU G CUGUG . . . . .	10
... GUACAAGGGUUGGGAG AU G CUGUG C . . . . .	45
... GUACAAGGGUUGGGAG AU G CUGUG CC . . . . .	15
... GUACAAGGGUUGGGAG AU G CUGUG CCU . . . . .	8
... UACAAGGGUUGGGAG A . . . . .	23
... UACAAGGGUUGGGAG AU . . . . .	3
... UACAAGGGUUGGGAG AU G . . . . .	9
... UACAAGGGUUGGGAG AU GC . . . . .	9
... UACAAGGGUUGGGAG AU GCU . . . . .	6
... UACAAGGGUUGGGAG AU G CUG . . . . .	6
... UACAAGGGUUGGGAG AU G CUGU . . . . .	3
... UACAAGGGUUGGGAG AU G CUGUG CCU . . . . .	5
... UACAAGGGUUGGGAG AU G CUGUG CCUC . . . . .	6
... ACAAGGGUUGGGAG AU . . . . .	15
... ACAAGGGUUGGGAG AU G . . . . .	18
... ACAAGGGUUGGGAG AU GC . . . . .	24
... ACAAGGGUUGGGAG AU GCU . . . . .	10
... ACAAGGGUUGGGAG AU G CUG . . . . .	2
... ACAAGGGUUGGGAG AU G CUGU . . . . .	4
... ACAAGGGUUGGGAG AU G CUGUG C . . . . .	2
... ACAAGGGUUGGGAG AU G CUGUG CC . . . . .	2
... ACAAGGGUUGGGAG AU G CUGUG CCUCA . . . . .	3
... CAAGGGUUGGGAG AU G . . . . .	9
... CAAGGGUUGGGAG AU GC . . . . .	10
... CAAGGGUUGGGAG AU GCU . . . . .	3
... CAAGGGUUGGGAG AU G CUG . . . . .	2
... CAAGGGUUGGGAG AU G CUGUG CCU . . . . .	2
... CAAGGGUUGGGAG AU G CUGUG CCUC . . . . .	5
... AAGGGUUGGGAG AU GC . . . . .	7
... AAGGGUUGGGAG AU GCU . . . . .	6

.....AAGGGUUGGGAGAUGCUG.....	3
.....AAGGGUUGGGAGAUGCUGUGC.....	2
.....AAGGGUUGGGAGAUGCUGUGCC.....	3
.....AAGGGUUGGGAGAUGCUGUGCCU.....	2
.....AAGGGUUGGGAGAUGCUGUGCCUC.....	7
.....AAGGGUUGGGAGAUGCUGUGCCUCA.....	2
.....AGGGUUGGGAGAUGCUG.....	5
.....AGGGUUGGGAGAUGCUGUGCCUCAGAC.....	2
.....GGGUUGGGAGAUGCUGUGC.....	2
.....GGGUUGGGAGAUGCUGUGCCUC.....	3
.....GGGUUGGGAGAUGCUGUGCCUCAGA.....	2
.....GGGUUGGGAGAUGCUGUGCCUCAGAC.....	2
.....GGUUGGGAGAUGCUGUG.....	2
.....GGUUGGGAGAUGCUGUGC.....	2
.....GGUUGGGAGAUGCUGUGCCUC.....	3
.....GGUUGGGAGAUGCUGUGCCUCA.....	3
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.....GUUGGGAGAUGCUGUGCCU.....	4
.....GUUGGGAGAUGCUGUGCCUC.....	5
.....GUUGGGAGAUGCUGUGCCUCA.....	4
.....GUUGGGAGAUGCUGUGCCUCAGA.....	3
.....GUUGGGAGAUGCUGUGCCUCAGAC.....	4
.....GUUGGGAGAUGCUGUGCCUCAGACCU.....	2
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.....UUGGGAGAUGCUGUGCCUC.....	5
.....UUGGGAGAUGCUGUGCCUCA.....	6
.....UUGGGAGAUGCUGUGCCUCAG.....	6
.....UUGGGAGAUGCUGUGCCUCAGA.....	18
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.....UGGGAGAUGCUGUGCCUCA.....	5
.....UGGGAGAUGCUGUGCCUCAGA.....	2
.....UGGGAGAUGCUGUGCCUCAGACCU.....	7
.....UGGGAGAUGCUGUGCCUCAGACCUC.....	5
.....UGGGAGAUGCUGUGCCUCAGACCUCU.....	2
.....GGGAGAUGCUGUGCCUC.....	4
.....GGGAGAUGCUGUGCCUCA.....	3
.....GGGAGAUGCUGUGCCUCAGACCU.....	4
.....GGGAGAUGCUGUGCCUCAGACCUC.....	2
.....GGAGAUGCUGUGCCUC.....	19
.....GGAGAUGCUGUGCCUCA.....	8
.....GGAGAUGCUGUGCCUCAG.....	4
.....GGAGAUGCUGUGCCUCAGAC.....	8



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.....GGAGAUGCUGGCCUCAGACCU.....	17
.....GGAGAUGCUGGCCUCAGACCUC.....	8
.....GGAGAUGCUGGCCUCAGACCUCU.....	5
.....GGAGAUGCUGGCCUCAGACCUCUC.....	4
.....GGAGAUGCUGGCCUCAGACCUCUCCC.....	2
.....GAGAUGCUGGCCUCA.....	16
.....GAGAUGCUGGCCUCAG.....	4
.....GAGAUGCUGGCCUCAGA.....	13
.....GAGAUGCUGGCCUCAGAC.....	18
.....GAGAUGCUGGCCUCAGACC.....	5
.....GAGAUGCUGGCCUCAGACCU.....	36
.....GAGAUGCUGGCCUCAGACCUC.....	12
.....GAGAUGCUGGCCUCAGACCUCU.....	11
.....GAGAUGCUGGCCUCAGACCUCUC.....	16
.....GAGAUGCUGGCCUCAGACCUCUCC.....	16
.....GAGAUGCUGGCCUCAGACCUCUCCC.....	24
.....AGAUGCUGGCCUCAG.....	6
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.....AGAUGCUGGCCUCAGAC.....	13
.....AGAUGCUGGCCUCAGACC.....	5
.....AGAUGCUGGCCUCAGACCU.....	30
.....AGAUGCUGGCCUCAGACCUC.....	9
.....AGAUGCUGGCCUCAGACCUCU.....	7
.....AGAUGCUGGCCUCAGACCUCUC.....	7
.....AGAUGCUGGCCUCAGACCUCUCC.....	15
.....AGAUGCUGGCCUCAGACCUCUCCC.....	7
.....AGAUGCUGGCCUCAGACCUCUCCCAA.....	2
.....GAUGCUGGCCUCAGA.....	5
.....GAUGCUGGCCUCAGAC.....	14
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.....GAUGCUGGCCUCAGACCU.....	21
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.....GAUGCUGGCCUCAGACCUCU.....	8
.....GAUGCUGGCCUCAGACCUCUC.....	14
.....GAUGCUGGCCUCAGACCUCUCC.....	18
.....GAUGCUGGCCUCAGACCUCUCCC.....	8
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.....AUGCUGGCCUCAGACC.....	4
.....AUGCUGGCCUCAGACCU.....	22
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.....AUGCUGGCCUCAGACCUCUC.....	16
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**#shR-miR-122**

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GGAGCAAGCUCAGUUUACACCUUG.....	24
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**#sh1005-C**

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**#sh1005-TTT**

	Reads
UUUGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	
.UUGAGCAAGCUCAGUUUACACC.....	19
.UGAGCAAGCUCAGUUUACAC.....	8
.UGAGCAAGCUCAGUUUACACC.....	52
.UGAGCAAGCUCAGUUUACACCU.....	31
.GAGCAAGCUCAGUUUA.....	6
.GAGCAAGCUCAGUUUAC.....	16
.GAGCAAGCUCAGUUUACA.....	10
.GAGCAAGCUCAGUUUACAC.....	94
.GAGCAAGCUCAGUUUACACC.....	604
.GAGCAAGCUCAGUUUACACCU.....	95
.GAGCAAGCUCAGUUUACACCUU.....	2
.GAGCAAGCUCAGUUUACACCUUG.....	14
.GAGCAAGCUCAGUUUACACCUUGU.....	3
.GAGCAAGCUCAGUUUACACCUUGUC.....	2
.GAGCAAGCUCAGUUUACACCUUGUCCG.....	2
.GCAAGCUCAGUUUACACC.....	5
.GCAAGCUCAGUUUACAC.....	2
.GCAAGCUCAGUUUACACC.....	31
.GCAAGCUCAGUUUACACCU.....	3
.GCAAGCUCAGUUUACACCUU.....	3
.GCAAGCUCAGUUUACACCUUGU.....	2
.GCAAGCUCAGUUUACACCUUGUCCGACG.....	2
.CAAGCUCAGUUUACACC.....	3
.CAAGCUCAGUUUACACCU.....	2
.AAGCUCAGUUUACACC.....	5
.AAGCUCAGUUUACACCU.....	2
.....GUCCGACGGUGUAAACUGAGCUUGCUCU...	2
.....UCCGACGGUGUAAACUGAGCUUGCUCU...	2
.....CCGACGGUGUAAACUGAG.....	6
.....CCGACGGUGUAAACUGAGCUUGCUCU...	7
.....CCGACGGUGUAAACUGAGCUUGCUCUU...	5
.....CGACGGUGUAAACUGAG.....	3
.....CGACGGUGUAAACUGAGCUUGCUCUU...	2



.....CGACGGUGUAAACUGAGCUUGCUCUUU..	2
.....GACGGUGUAAACUGAGCUUGCUCU...	7
.....GACGGUGUAAACUGAGCUUGCUCUU..	6
.....GACGGUGUAAACUGAGCUUGCUCUUU..	3
.....GACGGUGUAAACUGAGCUUGCUCUUUU.	3
.....ACGGUGUAAACUGAGCUUGCUCU.....	3
.....ACGGUGUAAACUGAGCUUGCUC.....	3
.....ACGGUGUAAACUGAGCUUGCUCU....	8
.....ACGGUGUAAACUGAGCUUGCUCUU..	6
.....ACGGUGUAAACUGAGCUUGCUCUUU..	4
.....CGGUGUAAACUGAGCUUGCUCU.....	2
.....CGGUGUAAACUGAGCUUGCUCU....	11
.....CGGUGUAAACUGAGCUUGCUCUUU..	3
.....GGUGUAAACUGAGCUUGCUCU....	2
.....GGUGUAAACUGAGCUUGCUCUU....	6
.....GGUGUAAACUGAGCUUGCUCUUU..	5
.....GUGUAAACUGAGCUUGCUCUU....	19
.....GUGUAAACUGAGCUUGCUCUUU..	19
.....GUGUAAACUGAGCUUGCUCUUUU..	2
.....UGUAAACUGAGCUUGC.....	19
.....UGUAAACUGAGCUUGCUCU.....	58
.....UGUAAACUGAGCUUGCUC.....	107
.....UGUAAACUGAGCUUGCUCU....	69
.....UGUAAACUGAGCUUGCUCUU....	641
.....UGUAAACUGAGCUUGCUCUUU..	2173
.....UGUAAACUGAGCUUGCUCUUUU..	264
.....UGUAAACUGAGCUUGCUCUUUUUU	16
.....GUAACUGAGCUUGCUC.....	5
.....GUAACUGAGCUUGCUCU....	14
.....GUAACUGAGCUUGCUCUU....	21
.....GUAACUGAGCUUGCUCUUU..	47
.....GUAACUGAGCUUGCUCUUUU..	15
.....UAAACUGAGCUUGCUCUUU..	15
.....UAAACUGAGCUUGCUCUUUU..	2
.....AAACUGAGCUUGCUCU....	8
.....AAACUGAGCUUGCUCUU....	8
.....AAACUGAGCUUGCUCUUU..	15
.....AAACUGAGCUUGCUCUUUU..	2
.....AACUGAGCUUGCUCUUU..	5
.....ACUGAGCUUGCUCUUU..	6

**#sh1005-TTTT**

UUUUGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads
UUUUGAGCAAGCUCAGUUUACAC.....	2
.UUUUGAGCAAGCUCAGUUUACACC.....	5
..UUGAGCAAGCUCAGUUUACAC.....	2
..UUGAGCAAGCUCAGUUUACACC.....	6

...UGAGCAAGCUCAGUUUACAC.....	5
...UGAGCAAGCUCAGUUUACACC.....	7
...UGAGCAAGCUCAGUUUACACCU.....	5
...GAGCAAGCUCAGUUUAC.....	2
...GAGCAAGCUCAGUUUACA.....	3
...GAGCAAGCUCAGUUUACAC.....	49
...GAGCAAGCUCAGUUUACACC.....	396
...GAGCAAGCUCAGUUUACACCU.....	39
...GAGCAAGCUCAGUUUACACCUUG.....	5
...GAGCAAGCUCAGUUUACACCUUGUC.....	2
...AGCAAGCUCAGUUUACACC.....	3
...GCAAGCUCAGUUUACACC.....	11
...CAAGCUCAGUUUACACC.....	7
...CAAGCUCAGUUUACACCU.....	4
...AAGCUCAGUUUACACC.....	7
...UGUCCGACGGUGUAAACUGAGCUUGC.....	2
...CCGACGGUGUAAACUG.....	2
...CCGACGGUGUAAACUGAGCUUGCUCUU.....	2
...CCGACGGUGUAAACUGAGCUUGCUCUUU.....	3
...CGGUGUAAACUGAGCUUGCUC.....	3
...GGUGUAAACUGAGCUUGCUCUUUU.....	2
...GUGUAAACUGAGCUUGCUCUU.....	20
...GUGUAAACUGAGCUUGCUCUUU.....	12
...UGUAAACUGAGCUUGC.....	7
...UGUAAACUGAGCUUGC.....	43
...UGUAAACUGAGCUUGCUC.....	65
...UGUAAACUGAGCUUGCUCU.....	51
...UGUAAACUGAGCUUGCUCUU.....	539
...UGUAAACUGAGCUUGCUCUUU.....	1954
...UGUAAACUGAGCUUGCUCUUUU.....	205
...UGUAAACUGAGCUUGCUCUUUUU.....	9
...GUAACUGAGCUUGCUC.....	3
...GUAACUGAGCUUGCUCU.....	4
...GUAACUGAGCUUGCUCUU.....	23
...GUAACUGAGCUUGCUCUUU.....	59
...GUAACUGAGCUUGCUCUUUU.....	7
...UAAACUGAGCUUGCUCUU.....	5
...UAAACUGAGCUUGCUCUUU.....	10
...AAACUGAGCUUGCUCUU.....	3
...AAACUGAGCUUGCUCUUU.....	11
...AACUGAGCUUGCUCUUU.....	7
...ACUGAGCUUGCUCUUU.....	10
...CUGAGCUUGCUCUUUU.....	4

**#sh1005-TA**

UAGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads
UAGAGCAAGCUCAGUUUACAC.....	4

UAGAGCAAGCUCAGUUUACACC . . . . .	33
UAGAGCAAGCUCAGUUUACACCU . . . . .	3
.AGAGCAAGCUCAGUUU . . . . .	14
.AGAGCAAGCUCAGUUUA . . . . .	52
.AGAGCAAGCUCAGUUUAC . . . . .	89
.AGAGCAAGCUCAGUUUACA . . . . .	313
.AGAGCAAGCUCAGUUUACAC . . . . .	1118
.AGAGCAAGCUCAGUUUACACC . . . . .	8306
.AGAGCAAGCUCAGUUUACACCU . . . . .	902
.AGAGCAAGCUCAGUUUACACCUU . . . . .	64
.AGAGCAAGCUCAGUUUACACCUUG . . . . .	18
.AGAGCAAGCUCAGUUUACACCUUGU . . . . .	15
.AGAGCAAGCUCAGUUUACACCUUGUC . . . . .	26
.AGAGCAAGCUCAGUUUACACCUUGUCC . . . . .	30
.AGAGCAAGCUCAGUUUACACCUUGUCCG . . . . .	5
. .GAGCAAGCUCAGUUUAC . . . . .	2
. .GAGCAAGCUCAGUUUACAC . . . . .	18
. .GAGCAAGCUCAGUUUACACC . . . . .	150
. .GAGCAAGCUCAGUUUACACCU . . . . .	9
. .GAGCAAGCUCAGUUUACACCUU . . . . .	3
. .GAGCAAGCUCAGUUUACACCUUG . . . . .	2
. . .AGCAAGCUCAGUUUACAC . . . . .	2
. . .AGCAAGCUCAGUUUACACC . . . . .	48
. . . .GCAAGCUCAGUUUACAC . . . . .	4
. . . .GCAAGCUCAGUUUACACC . . . . .	34
. . . .GCAAGCUCAGUUUACACCUUG . . . . .	2
. . . .GCAAGCUCAGUUUACACCUUGU . . . . .	3
. . . . .CAAGCUCAGUUUACAC . . . . .	2
. . . . .CAAGCUCAGUUUACACC . . . . .	19
. . . . .CAAGCUCAGUUUACACCU . . . . .	3
. . . . .CAAGCUCAGUUUACACCUUGU . . . . .	2
. . . . . .AAGCUCAGUUUACACC . . . . .	30
. . . . . .AAGCUCAGUUUACACCU . . . . .	10
. . . . . .AAGCUCAGUUUACACCUUG . . . . .	2
. . . . . .AAGCUCAGUUUACACCUUGU . . . . .	4
. . . . . . .AGCUCAGUUUACACCUUGU . . . . .	3
. . . . . . .GCUCAGUUUACACCUUGUC . . . . .	4
. . . . . . . .UACACCUUGUCCGACGGUGU . . . . .	2
. . . . . . . . .ACACCUUGUCCGACGGU . . . . .	2
. . . . . . . . . .CACCUUGUCCGACGGUGUAAACUGAGC . . . . .	2
. . . . . . . . . . .CCUUGUCCGACGGUGUAAACUGAGCUU . . . . .	2
. . . . . . . . . . .CUUGUCCGACGGUGUAAACUGA . . . . .	2
. . . . . . . . . . . .UUGUCCGACGGUGUAAAC . . . . .	2
. . . . . . . . . . . .UUGUCCGACGGUGUAAACUGAG . . . . .	2
. . . . . . . . . . . . .UUGUCCGACGGUGUAAACUGAGCUUGC . . . . .	3
. . . . . . . . . . . . . .UGUCCGACGGUGUAAACUGAGCUUGC . . . . .	2
. . . . . . . . . . . . . . .UGUCCGACGGUGUAAACUGAGCUUGCUC . . . . .	7

.....GUCCGACGGUGUAAACUGAGCU.....	2
.....GUCCGACGGUGUAAACUGAGCUUGCUCU....	2
.....UCCGACGGUGUAAACUG.....	3
.....UCCGACGGUGUAAACUGAGCUUGCUCUU....	4
.....CCGACGGUGUAAACUG.....	4
.....CCGACGGUGUAAACUGA.....	14
.....CCGACGGUGUAAACUGAG.....	27
.....CCGACGGUGUAAACUGAGCUUGCUC.....	8
.....CCGACGGUGUAAACUGAGCUUGCUCUU....	6
.....CCGACGGUGUAAACUGAGCUUGCUCUUU..	15
.....CGACGGUGUAAACUGA.....	11
.....CGACGGUGUAAACUGAG.....	16
.....CGACGGUGUAAACUGAGCU.....	3
.....CGACGGUGUAAACUGAGCUUGC.....	2
.....CGACGGUGUAAACUGAGCUUGCUC.....	7
.....CGACGGUGUAAACUGAGCUUGCUCUU....	9
.....CGACGGUGUAAACUGAGCUUGCUCUUU..	39
.....CGACGGUGUAAACUGAGCUUGCUCUUUU..	2
.....GACGGUGUAAACUGAGCUUGCUC.....	10
.....GACGGUGUAAACUGAGCUUGCUCU....	4
.....GACGGUGUAAACUGAGCUUGCUCUU....	14
.....GACGGUGUAAACUGAGCUUGCUCUUU..	48
.....GACGGUGUAAACUGAGCUUGCUCUUUU..	4
.....ACGGUGUAAACUGAGCUUGC.....	3
.....ACGGUGUAAACUGAGCUUGCUC.....	10
.....ACGGUGUAAACUGAGCUUGCUCU....	7
.....ACGGUGUAAACUGAGCUUGCUCUU....	31
.....ACGGUGUAAACUGAGCUUGCUCUUU..	44
.....ACGGUGUAAACUGAGCUUGCUCUUUU..	2
.....CGGUGUAAACUGAGCUUGC.....	3
.....CGGUGUAAACUGAGCUUGCUC.....	2
.....CGGUGUAAACUGAGCUUGCUCU....	3
.....CGGUGUAAACUGAGCUUGCUCUU....	14
.....CGGUGUAAACUGAGCUUGCUCUUU..	21
.....CGGUGUAAACUGAGCUUGCUCUUUU..	3
.....GGUGUAAACUGAGCUUGCUC.....	3
.....GGUGUAAACUGAGCUUGCUCU....	2
.....GGUGUAAACUGAGCUUGCUCUU....	4
.....GGUGUAAACUGAGCUUGCUCUUU..	16
.....GGUGUAAACUGAGCUUGCUCUUUU..	2
.....GUGUAAACUGAGCUUGC.....	2
.....GUGUAAACUGAGCUUGCUC.....	10
.....GUGUAAACUGAGCUUGCUC.....	27
.....GUGUAAACUGAGCUUGCUCU....	3
.....GUGUAAACUGAGCUUGCUCUU....	74
.....GUGUAAACUGAGCUUGCUCUUU..	434
.....GUGUAAACUGAGCUUGCUCUUUU..	46

.....GUGUAAACUGAGCUUGCUCUUUUU	7
.....UGUAAACUGAGCUUGC.....	41
.....UGUAAACUGAGCUUGC.....	97
.....UGUAAACUGAGCUUGC.....	260
.....UGUAAACUGAGCUUGCUC.....	174
.....UGUAAACUGAGCUUGCUCU.....	1195
.....UGUAAACUGAGCUUGCUCUU.....	11992
.....UGUAAACUGAGCUUGCUCUUUU.....	1859
.....UGUAAACUGAGCUUGCUCUUUUU.....	166
.....GUAAACUGAGCUUGCUC.....	5
.....GUAAACUGAGCUUGCUC.....	7
.....GUAAACUGAGCUUGCUCU.....	24
.....GUAAACUGAGCUUGCUCUU.....	166
.....GUAAACUGAGCUUGCUCUUUU.....	47
.....GUAAACUGAGCUUGCUCUUUUU.....	3
.....UAAACUGAGCUUGCUCUU.....	28
.....UAAACUGAGCUUGCUCUUUU.....	8
.....UAAACUGAGCUUGCUCUUUUU.....	2
.....AAACUGAGCUUGCUC.....	2
.....AAACUGAGCUUGCUCU.....	4
.....AAACUGAGCUUGCUCUU.....	24
.....AAACUGAGCUUGCUCUUUU.....	7
.....AACUGAGCUUGCUCU.....	2
.....AACUGAGCUUGCUCUU.....	8
.....AACUGAGCUUGCUCUUUU.....	7
.....ACUGAGCUUGCUCUU.....	3

**#sh1005-TTA**

	Reads
UUAGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	
..UAGAGCAAGCUCAGUUUACACC.....	9
..AGAGCAAGCUCAGUUU.....	6
..AGAGCAAGCUCAGUUUA.....	28
..AGAGCAAGCUCAGUUUAC.....	56
..AGAGCAAGCUCAGUUUACA.....	260
..AGAGCAAGCUCAGUUUACAC.....	543
..AGAGCAAGCUCAGUUUACACC.....	4442
..AGAGCAAGCUCAGUUUACACCU.....	351
..AGAGCAAGCUCAGUUUACACCUU.....	32
..AGAGCAAGCUCAGUUUACACCUUG.....	15
..AGAGCAAGCUCAGUUUACACCUUGU.....	7
..AGAGCAAGCUCAGUUUACACCUUGUC.....	17
..AGAGCAAGCUCAGUUUACACCUUGUCC.....	10
...GAGCAAGCUCAGUUUACAC.....	6
...GAGCAAGCUCAGUUUACACC.....	72
...GAGCAAGCUCAGUUUACACCU.....	2
...AGCAAGCUCAGUUUACACC.....	48
...AGCAAGCUCAGUUUACACCU.....	3

.....GCAAGCUCAGUUUACAC.....	4
.....GCAAGCUCAGUUUACACC.....	12
.....CAAGCUCAGUUUACACC.....	10
.....CAAGCUCAGUUUACACCUUGU.....	2
.....AAGCUCAGUUUACACC.....	18
.....AAGCUCAGUUUACACCU.....	9
.....AGCUCAGUUUACACCUUGU.....	2
.....UACACCUUGUCCGACGGUGU.....	3
.....CUUGUCCGACGGUGUAAA.....	2
.....UUGUCCGACGGUGUAAA.....	3
.....UUGUCCGACGGUGUAAACUGAGC.....	2
.....UCCGACGGUGUAAACUGAGCUUGC.....	3
.....UCCGACGGUGUAAACUGAGCUUGCUCU.....	3
.....CCGACGGUGUAAACUG.....	3
.....CCGACGGUGUAAACUGA.....	2
.....CCGACGGUGUAAACUGAG.....	7
.....CCGACGGUGUAAACUGAGCUUGC.....	2
.....CCGACGGUGUAAACUGAGCUUGCUCU.....	4
.....CCGACGGUGUAAACUGAGCUUGCUCU.....	7
.....CCGACGGUGUAAACUGAGCUUGCUCUU.....	9
.....CGACGGUGUAAACUGAG.....	4
.....CGACGGUGUAAACUGAGC.....	2
.....CGACGGUGUAAACUGAGCUUGC.....	2
.....CGACGGUGUAAACUGAGCUUGCUC.....	4
.....CGACGGUGUAAACUGAGCUUGCUCU.....	4
.....CGACGGUGUAAACUGAGCUUGCUCUU.....	13
.....CGACGGUGUAAACUGAGCUUGCUCUU.....	23
.....GACGGUGUAAACUGAGCUUGC.....	3
.....GACGGUGUAAACUGAGCUUGCUC.....	8
.....GACGGUGUAAACUGAGCUUGCUCU.....	12
.....GACGGUGUAAACUGAGCUUGCUCUU.....	15
.....GACGGUGUAAACUGAGCUUGCUCUU.....	20
.....GACGGUGUAAACUGAGCUUGCUCUUU.....	2
.....ACGGUGUAAACUGAGCUUGCUC.....	2
.....ACGGUGUAAACUGAGCUUGCUCU.....	8
.....ACGGUGUAAACUGAGCUUGCUCUU.....	11
.....ACGGUGUAAACUGAGCUUGCUCUU.....	28
.....ACGGUGUAAACUGAGCUUGCUCUUU.....	3
.....CGGUGUAAACUGAGCUUGCUCU.....	5
.....CGGUGUAAACUGAGCUUGCUCUU.....	3
.....CGGUGUAAACUGAGCUUGCUCUU.....	8
.....GGUGUAAACUGAGCUUGCUCU.....	2
.....GGUGUAAACUGAGCUUGCUCUU.....	4
.....GGUGUAAACUGAGCUUGCUCUU.....	4
.....GUGUAAACUGAGCUUGC.....	2
.....GUGUAAACUGAGCUUGC.....	2
.....GUGUAAACUGAGCUUGCUC.....	5

.....GUGUAAACUGAGCUUGCUCU....	2
.....GUGUAAACUGAGCUUGCUCUU...	30
.....GUGUAAACUGAGCUUGCUCUUU..	221
.....GUGUAAACUGAGCUUGCUCUUUU.	19
.....UGUAAACUGAGCUUGC.....	11
.....UGUAAACUGAGCUUGC.....	34
.....UGUAAACUGAGCUUGC.....	121
.....UGUAAACUGAGCUUGCUC.....	136
.....UGUAAACUGAGCUUGCUCUU...	487
.....UGUAAACUGAGCUUGCUCUUU..	5580
.....UGUAAACUGAGCUUGCUCUUUU.	835
.....UGUAAACUGAGCUUGCUCUUUUU	60
.....GUAACUGAGCUUGCUC.....	4
.....GUAACUGAGCUUGCUCUU...	2
.....GUAACUGAGCUUGCUCUU...	7
.....GUAACUGAGCUUGCUCUUU..	111
.....GUAACUGAGCUUGCUCUUUU.	27
.....UAAACUGAGCUUGCUCUU..	3
.....UAAACUGAGCUUGCUCUUU..	23
.....UAAACUGAGCUUGCUCUUUU.	4
.....AAACUGAGCUUGCUCU....	3
.....AAACUGAGCUUGCUCUUU..	25
.....AAACUGAGCUUGCUCUUUU.	10
.....AACUGAGCUUGCUCUUU..	4
.....ACUGAGCUUGCUCUUU..	5
.....CUGAGCUUGCUCUUUU.	8

**#sh1005-TTTA**

	Reads
UUUAGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	
..UAGAGCAAGCUCAGUUUACACC.....	28
...AGAGCAAGCUCAGUUU.....	7
...AGAGCAAGCUCAGUUUA.....	26
...AGAGCAAGCUCAGUUUAC.....	25
...AGAGCAAGCUCAGUUUACA.....	88
...AGAGCAAGCUCAGUUUACAC.....	370
...AGAGCAAGCUCAGUUUACACC.....	2870
...AGAGCAAGCUCAGUUUACACCU.....	375
...AGAGCAAGCUCAGUUUACACCUU.....	36
...AGAGCAAGCUCAGUUUACACCUUG.....	3
...AGAGCAAGCUCAGUUUACACCUUGUC.....	3
...AGAGCAAGCUCAGUUUACACCUUGUCC.....	4
...AGAGCAAGCUCAGUUUACACCUUGUCCG.....	4
....GAGCAAGCUCAGUUUACAC.....	2
....GAGCAAGCUCAGUUUACACC.....	44
....GAGCAAGCUCAGUUUACACCU.....	10
....AGCAAGCUCAGUUUACACC.....	31
....AGCAAGCUCAGUUUACACCU.....	4

.....GCAAGCUCAGUUUACAC.....	2
.....GCAAGCUCAGUUUACACC.....	17
.....GCAAGCUCAGUUUACACCU.....	3
.....CAAGCUCAGUUUACACC.....	7
.....CAAGCUCAGUUUACACCUUG.....	2
.....AAGCUCAGUUUACACC.....	24
.....AAGCUCAGUUUACACCU.....	4
.....AAGCUCAGUUUACACCUUGU.....	2
.....UGUCCGACGGUGUAAAC.....	2
.....UCCGACGGUGUAAACUGAG.....	2
.....UCCGACGGUGUAAACUGAGCUUGCUCU.....	2
.....CCGACGGUGUAAACUGAG.....	2
.....CCGACGGUGUAAACUGAGCUUGCUCUU.....	2
.....CCGACGGUGUAAACUGAGCUUGCUCUUU.....	3
.....CGACGGUGUAAACUGAG.....	2
.....CGACGGUGUAAACUGAGCUUGCUC.....	2
.....CGACGGUGUAAACUGAGCUUGCUCUU.....	3
.....CGACGGUGUAAACUGAGCUUGCUCUUU.....	4
.....CGACGGUGUAAACUGAGCUUGCUCUUUU.....	2
.....GACGGUGUAAACUGAGCUUGCUC.....	2
.....GACGGUGUAAACUGAGCUUGCUCUU.....	4
.....GACGGUGUAAACUGAGCUUGCUCUUU.....	12
.....ACGGUGUAAACUGAGCUUGCUC.....	5
.....ACGGUGUAAACUGAGCUUGCUCUU.....	5
.....ACGGUGUAAACUGAGCUUGCUCUUU.....	2
.....CGGUGUAAACUGAGCUUGCUC.....	2
.....CGGUGUAAACUGAGCUUGCUCU.....	2
.....CGGUGUAAACUGAGCUUGCUCUUU.....	3
.....GGUGUAAACUGAGCUUGCUCU.....	3
.....GGUGUAAACUGAGCUUGCUCUU.....	2
.....GUGUAAACUGAGCUUGCUCU.....	2
.....GUGUAAACUGAGCUUGCUC.....	5
.....GUGUAAACUGAGCUUGCUCU.....	7
.....GUGUAAACUGAGCUUGCUCUU.....	38
.....GUGUAAACUGAGCUUGCUCUUU.....	243
.....GUGUAAACUGAGCUUGCUCUUUU.....	23
.....GUGUAAACUGAGCUUGCUCUUUUU.....	4
.....UGUAAACUGAGCUUGC.....	14
.....UGUAAACUGAGCUUGCUCU.....	49
.....UGUAAACUGAGCUUGCUC.....	108
.....UGUAAACUGAGCUUGCUCU.....	67
.....UGUAAACUGAGCUUGCUCUU.....	309
.....UGUAAACUGAGCUUGCUCUUU.....	4883
.....UGUAAACUGAGCUUGCUCUUUU.....	698
.....UGUAAACUGAGCUUGCUCUUUUU.....	47
.....GUAAACUGAGCUUGCUC.....	2
.....GUAAACUGAGCUUGCUCU.....	2



.....GUAACUGAGCUUGCUCUU...	13
.....GUAACUGAGCUUGCUCUU..	118
.....GUAACUGAGCUUGCUCUUUU.	24
.....GUAACUGAGCUUGCUCUUUUU	3
.....UAAACUGAGCUUGCUCUUU..	28
.....UAAACUGAGCUUGCUCUUUU.	6
.....UAAACUGAGCUUGCUCUUUUU	2
.....AAACUGAGCUUGCUCUU...	4
.....AAACUGAGCUUGCUCUUU..	19
.....AAACUGAGCUUGCUCUUUU.	7
.....AACUGAGCUUGCUCUU...	4
.....AACUGAGCUUGCUCUUU..	12
.....ACUGAGCUUGCUCUUU..	15
.....ACUGAGCUUGCUCUUUU.	2
.....CUGAGCUUGCUCUUUU.	2
.....UGAGCUUGCUCUUUUU	3

**#sh1005-TC**

	Reads
UCGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	
UCGAGCAAGCUCAGUUU.....	2
UCGAGCAAGCUCAGUUUAC.....	4
UCGAGCAAGCUCAGUUUACA.....	34
UCGAGCAAGCUCAGUUUACAC.....	47
UCGAGCAAGCUCAGUUUACACC.....	165
.CGAGCAAGCUCAGUUUAC.....	2
.CGAGCAAGCUCAGUUUACA.....	15
.CGAGCAAGCUCAGUUUACAC.....	34
.CGAGCAAGCUCAGUUUACACC.....	319
.CGAGCAAGCUCAGUUUACACCU.....	34
.CGAGCAAGCUCAGUUUACACCUU.....	2
.CGAGCAAGCUCAGUUUACACCUUGU.....	2
..GAGCAAGCUCAGUUUA.....	2
..GAGCAAGCUCAGUUUAC.....	12
..GAGCAAGCUCAGUUUACA.....	15
..GAGCAAGCUCAGUUUACAC.....	136
..GAGCAAGCUCAGUUUACACC.....	1453
..GAGCAAGCUCAGUUUACACCU.....	178
..GAGCAAGCUCAGUUUACACCUU.....	26
..GAGCAAGCUCAGUUUACACCUUG.....	35
..GAGCAAGCUCAGUUUACACCUUGU.....	9
..GAGCAAGCUCAGUUUACACCUUGUC.....	4
..GAGCAAGCUCAGUUUACACCUUGUCC.....	10
..GAGCAAGCUCAGUUUACACCUUGUCCG.....	3
...AGCAAGCUCAGUUUACACC.....	13
...AGCAAGCUCAGUUUACACCU.....	3
...GCAAGCUCAGUUUACACC.....	43
...GCAAGCUCAGUUUACACCU.....	4

.....GCAAGCUCAGUUUACACCUUG.....	2
.....GCAAGCUCAGUUUACACCUUGU.....	3
.....CAAGCUCAGUUUACACC.....	6
.....CAAGCUCAGUUUACACCUUGU.....	2
.....AAGCUCAGUUUACACC.....	26
.....AAGCUCAGUUUACACCU.....	3
.....AAGCUCAGUUUACACCUUGU.....	2
.....AAGCUCAGUUUACACCUUGUC.....	2
.....AGCUCAGUUUACACCU.....	3
.....CUCAGUUUACACCUUG.....	2
.....UCAGUUUACACCUUGUCCGACGG.....	3
.....UUACACCUUGUCCGACGGUGUAAACU.....	2
.....ACCUUGUCCGACGGUGUAAACUGA.....	2
.....ACCUUGUCCGACGGUGUAAACUGAGCU.....	2
.....CCUUGUCCGACGGUGUAAA.....	5
.....CCUUGUCCGACGGUGUAAACUGAGC.....	4
.....CUUGUCCGACGGUGUAAACUG.....	3
.....UUGUCCGACGGUGUAAACUG.....	2
.....UUGUCCGACGGUGUAAACUGAGCUUGC.....	2
.....UGUCCGACGGUGUAAACUGAGCUUGC.....	2
.....UGUCCGACGGUGUAAACUGAGCUUGCUC.....	6
.....GUCCGACGGUGUAAACUGAGCUUGCUC.....	3
.....GUCCGACGGUGUAAACUGAGCUUGCUCU.....	2
.....UCCGACGGUGUAAACUG.....	2
.....UCCGACGGUGUAAACUGA.....	3
.....UCCGACGGUGUAAACUGAGC.....	2
.....UCCGACGGUGUAAACUGAGCUUGCUCU.....	11
.....UCCGACGGUGUAAACUGAGCUUGCUCUU.....	13
.....CCGACGGUGUAAACUG.....	4
.....CCGACGGUGUAAACUGA.....	19
.....CCGACGGUGUAAACUGAG.....	34
.....CCGACGGUGUAAACUGAGC.....	4
.....CCGACGGUGUAAACUGAGCUUGCUC.....	3
.....CCGACGGUGUAAACUGAGCUUGCUCU.....	15
.....CCGACGGUGUAAACUGAGCUUGCUCUU.....	31
.....CCGACGGUGUAAACUGAGCUUGCUCUUU.....	6
.....CGACGGUGUAAACUGA.....	2
.....CGACGGUGUAAACUGAG.....	7
.....CGACGGUGUAAACUGAGC.....	3
.....CGACGGUGUAAACUGAGCUUGC.....	5
.....CGACGGUGUAAACUGAGCUUGCUCU.....	8
.....CGACGGUGUAAACUGAGCUUGCUCUU.....	20
.....CGACGGUGUAAACUGAGCUUGCUCUUU.....	3
.....GACGGUGUAAACUGAG.....	2
.....GACGGUGUAAACUGAGCUUGC.....	4
.....GACGGUGUAAACUGAGCUUGCUC.....	4
.....GACGGUGUAAACUGAGCUUGCUCU.....	2

.....GACGGUGUAAACUGAGCUUGCUCU....	18
.....GACGGUGUAAACUGAGCUUGCUCUU..	35
.....GACGGUGUAAACUGAGCUUGCUCUUU..	16
.....ACGGUGUAAACUGAGCUUGC.....	8
.....ACGGUGUAAACUGAGCUUGC.....	3
.....ACGGUGUAAACUGAGCUUGCUC.....	10
.....ACGGUGUAAACUGAGCUUGCUCU....	50
.....ACGGUGUAAACUGAGCUUGCUCUU..	90
.....ACGGUGUAAACUGAGCUUGCUCUUU..	10
.....ACGGUGUAAACUGAGCUUGCUCUUUU..	2
.....CGGUGUAAACUGAGCUUGC.....	2
.....CGGUGUAAACUGAGCUUGCUC.....	3
.....CGGUGUAAACUGAGCUUGCUCU....	25
.....CGGUGUAAACUGAGCUUGCUCUU..	15
.....CGGUGUAAACUGAGCUUGCUCUUU..	2
.....GGUGUAAACUGAGCUUGC.....	3
.....GGUGUAAACUGAGCUUGCUC.....	2
.....GGUGUAAACUGAGCUUGCUCU....	15
.....GGUGUAAACUGAGCUUGCUCUU..	22
.....GGUGUAAACUGAGCUUGCUCUUU..	2
.....GUGUAAACUGAGCUUGC.....	2
.....GUGUAAACUGAGCUUGCUC.....	2
.....GUGUAAACUGAGCUUGCUCU....	7
.....GUGUAAACUGAGCUUGCUCUU..	34
.....GUGUAAACUGAGCUUGCUCUUU..	37
.....GUGUAAACUGAGCUUGCUCUUUU..	5
.....UGUAAACUGAGCUUGC.....	26
.....UGUAAACUGAGCUUGC.....	23
.....UGUAAACUGAGCUUGCUC.....	105
.....UGUAAACUGAGCUUGCUCU....	189
.....UGUAAACUGAGCUUGCUCUU..	1654
.....UGUAAACUGAGCUUGCUCUUU..	5370
.....UGUAAACUGAGCUUGCUCUUUU..	510
.....UGUAAACUGAGCUUGCUCUUUUU	46
.....GUAAACUGAGCUUGCUCU....	20
.....GUAAACUGAGCUUGCUCUU..	51
.....GUAAACUGAGCUUGCUCUUU..	113
.....GUAAACUGAGCUUGCUCUUUU..	7
.....GUAAACUGAGCUUGCUCUUUUU	2
.....UAAACUGAGCUUGCUCU....	3
.....UAAACUGAGCUUGCUCUU..	6
.....UAAACUGAGCUUGCUCUUU..	31
.....UAAACUGAGCUUGCUCUUUU..	2
.....AAACUGAGCUUGCUCU....	5
.....AAACUGAGCUUGCUCUU..	13
.....AAACUGAGCUUGCUCUUU..	40
.....AAACUGAGCUUGCUCUUUU..	5

.....AACUGAGCUUGCUCUU...	7
.....AACUGAGCUUGCUCUUU..	12
.....AACUGAGCUUGCUCUUUU..	2
.....ACUGAGCUUGCUCUUU..	8
.....ACUGAGCUUGCUCUUUU..	3
.....CUGAGCUUGCUCUUUU..	3

**#sh1005-TTC**

	Reads
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UUCGAGCAAGCUCAGUUUACAC.....	3
UUCGAGCAAGCUCAGUUUACACC.....	10
.UCGAGCAAGCUCAGUUUACA.....	55
.UCGAGCAAGCUCAGUUUACAC.....	83
.UCGAGCAAGCUCAGUUUACACC.....	328
.UCGAGCAAGCUCAGUUUACACCU.....	7
..CGAGCAAGCUCAGUUUACA.....	18
..CGAGCAAGCUCAGUUUACAC.....	39
..CGAGCAAGCUCAGUUUACACC.....	371
..CGAGCAAGCUCAGUUUACACCU.....	43
..CGAGCAAGCUCAGUUUACACCUUGU.....	2
..GAGCAAGCUCAGUUUA.....	3
..GAGCAAGCUCAGUUUAC.....	3
..GAGCAAGCUCAGUUUACA.....	9
..GAGCAAGCUCAGUUUACAC.....	54
..GAGCAAGCUCAGUUUACACC.....	560
..GAGCAAGCUCAGUUUACACCU.....	85
..GAGCAAGCUCAGUUUACACCUU.....	8
..GAGCAAGCUCAGUUUACACCUUG.....	15
..GAGCAAGCUCAGUUUACACCUUGUCC.....	4
...AGCAAGCUCAGUUUACACC.....	6
....GCAAGCUCAGUUUACACC.....	16
....GCAAGCUCAGUUUACACCU.....	7
....GCAAGCUCAGUUUACACCUU.....	9
....GCAAGCUCAGUUUACACCUUG.....	4
.....CAAGCUCAGUUUACACC.....	6
.....AAGCUCAGUUUACACC.....	13
.....UUGUCCGACGGUGUAAACU.....	2
.....UGUCCGACGGUGUAAACUGAG.....	2
.....GUCCGACGGUGUAAACUGAGC.....	2
.....UCCGACGGUGUAAACUGAGCUUGCUCUU..	10
.....CCGACGGUGUAAACUGAG.....	5
.....CCGACGGUGUAAACUGAGCUUGCUC.....	3
.....CCGACGGUGUAAACUGAGCUUGCUCUU..	9
.....CCGACGGUGUAAACUGAGCUUGCUCUUU..	2
.....CGACGGUGUAAACUGA.....	3
.....CGACGGUGUAAACUGAGCUUGC.....	3
.....CGACGGUGUAAACUGAGCUUGCUCUU..	10

.....CGACGGUGUAAACUGAGCUUGCUCUUU..	2
.....GACGGUGUAAACUGAGCUUGC.....	2
.....GACGGUGUAAACUGAGCUUGCUCU... .	4
.....GACGGUGUAAACUGAGCUUGCUCUU..	12
.....GACGGUGUAAACUGAGCUUGCUCUUU..	5
.....ACGGUGUAAACUGAGCUUGC.....	2
.....ACGGUGUAAACUGAGCUUGC.....	2
.....ACGGUGUAAACUGAGCUUGCUC.....	4
.....ACGGUGUAAACUGAGCUUGCUCU... .	11
.....ACGGUGUAAACUGAGCUUGCUCUU... .	18
.....ACGGUGUAAACUGAGCUUGCUCUUU..	6
.....CGGUGUAAACUGAGCUUGC.....	2
.....CGGUGUAAACUGAGCUUGCUCUU... .	7
.....CGGUGUAAACUGAGCUUGCUCUUU..	3
.....GGUGUAAACUGAGCUUGCUCU... .	3
.....GGUGUAAACUGAGCUUGCUCUU... .	7
.....GGUGUAAACUGAGCUUGCUCUUU... .	3
.....GGUGUAAACUGAGCUUGCUCUUUUU..	2
.....GUGUAAACUGAGCUUGCUCU... .	8
.....GUGUAAACUGAGCUUGCUCUU... .	24
.....GUGUAAACUGAGCUUGCUCUUU... .	30
.....UGUAAACUGAGCUUGC.....	8
.....UGUAAACUGAGCUUGC.....	35
.....UGUAAACUGAGCUUGCUC.....	57
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.....UGUAAACUGAGCUUGCUCUU... .	691
.....UGUAAACUGAGCUUGCUCUUU... .	3117
.....UGUAAACUGAGCUUGCUCUUUU... .	302
.....UGUAAACUGAGCUUGCUCUUUUU..	14
.....GUAACUGAGCUUGCUC.....	2
.....GUAACUGAGCUUGCUCU... .	16
.....GUAACUGAGCUUGCUCUU... .	26
.....GUAACUGAGCUUGCUCUUU... .	56
.....GUAACUGAGCUUGCUCUUUU... .	11
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.....AAACUGAGCUUGCUCUUU... .	9
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.....AACUGAGCUUGCUCUU... .	2
.....AACUGAGCUUGCUCUUU... .	5
.....ACUGAGCUUGCUCUUU... .	4
.....CUGAGCUUGCUCUUUU... .	2

	Reads
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CUGAGCAAGCUCAGUUUAC . . . . .	32
CUGAGCAAGCUCAGUUUACA . . . . .	28
CUGAGCAAGCUCAGUUUACAC . . . . .	704
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.UGAGCAAGCUCAGUUUACA . . . . .	21
.UGAGCAAGCUCAGUUUACAC . . . . .	25
.UGAGCAAGCUCAGUUUACACC . . . . .	209
.UGAGCAAGCUCAGUUUACACCU . . . . .	35
.UGAGCAAGCUCAGUUUACACCUU . . . . .	3
.UGAGCAAGCUCAGUUUACACCUUGUCC . . . . .	3
..GAGCAAGCUCAGUUUA . . . . .	9
..GAGCAAGCUCAGUUUAC . . . . .	12
..GAGCAAGCUCAGUUUACA . . . . .	27
..GAGCAAGCUCAGUUUACAC . . . . .	172
..GAGCAAGCUCAGUUUACACC . . . . .	1482
..GAGCAAGCUCAGUUUACACCU . . . . .	257
..GAGCAAGCUCAGUUUACACCUU . . . . .	29
..GAGCAAGCUCAGUUUACACCUUG . . . . .	37
..GAGCAAGCUCAGUUUACACCUUGU . . . . .	7
..GAGCAAGCUCAGUUUACACCUUGUC . . . . .	6
..GAGCAAGCUCAGUUUACACCUUGUCC . . . . .	5
..GAGCAAGCUCAGUUUACACCUUGUCCG . . . . .	2
..GAGCAAGCUCAGUUUACACCUUGUCCGA . . . . .	4
..AGCAAGCUCAGUUUACAC . . . . .	3
..AGCAAGCUCAGUUUACACC . . . . .	20
..AGCAAGCUCAGUUUACACCU . . . . .	4
...GCAAGCUCAGUUUACAC . . . . .	3
...GCAAGCUCAGUUUACACC . . . . .	47
...GCAAGCUCAGUUUACACCU . . . . .	6
...GCAAGCUCAGUUUACACCUUG . . . . .	2
...GCAAGCUCAGUUUACACCUUGU . . . . .	2
....CAAGCUCAGUUUACACC . . . . .	7
....CAAGCUCAGUUUACACCU . . . . .	3
....CAAGCUCAGUUUACACCUU . . . . .	2
.....AAGCUCAGUUUACACC . . . . .	24
.....AAGCUCAGUUUACACCU . . . . .	7
.....AGCUCAGUUUACACCUUGU . . . . .	2
.....UUACACCUUGUCCGACGGUGUA . . . . .	2
.....UACACCUUGUCCGACGGUGU . . . . .	4
.....ACCUUGUCCGACGGUGUAAACUGAG . . . . .	3
.....ACCUUGUCCGACGGUGUAAACUGAGCUU . . . . .	2
.....CUUGUCCGACGGUGUAA . . . . .	2
.....UUGUCCGACGGUGUAA . . . . .	3
.....UUGUCCGACGGUGUAAACU . . . . .	2
.....UGUCCGACGGUGUAAAC . . . . .	2

.....UGUCCGACGGUGUAAACUGAGCU.....	5
.....UGUCCGACGGUGUAAACUGAGCUUGC.....	3
.....UGUCCGACGGUGUAAACUGAGCUUGCUC.....	2
.....GUCCGACGGUGUAAACUGAGCUUGC.....	5
.....GUCCGACGGUGUAAACUGAGCUUGCUCU.....	4
.....UCCGACGGUGUAAACUGAGC.....	2
.....UCCGACGGUGUAAACUGAGCUU.....	3
.....UCCGACGGUGUAAACUGAGCUUGC.....	4
.....UCCGACGGUGUAAACUGAGCUUGCUC.....	4
.....UCCGACGGUGUAAACUGAGCUUGCUCU.....	8
.....UCCGACGGUGUAAACUGAGCUUGCUCUU.....	26
.....CCGACGGUGUAAACUG.....	7
.....CCGACGGUGUAAACUGA.....	15
.....CCGACGGUGUAAACUGAG.....	21
.....CCGACGGUGUAAACUGAGCUUGC.....	3
.....CCGACGGUGUAAACUGAGCUUGCUC.....	3
.....CCGACGGUGUAAACUGAGCUUGCUCU.....	11
.....CCGACGGUGUAAACUGAGCUUGCUCUU.....	26
.....CCGACGGUGUAAACUGAGCUUGCUCUUU.....	10
.....CGACGGUGUAAACUGA.....	4
.....CGACGGUGUAAACUGAG.....	16
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.....CGACGGUGUAAACUGAGCUUGC.....	6
.....CGACGGUGUAAACUGAGCUUGCUC.....	8
.....CGACGGUGUAAACUGAGCUUGCUCU.....	13
.....CGACGGUGUAAACUGAGCUUGCUCUU.....	23
.....CGACGGUGUAAACUGAGCUUGCUCUUU.....	11
.....CGACGGUGUAAACUGAGCUUGCUCUUUU.....	4
.....GACGGUGUAAACUGAGC.....	2
.....GACGGUGUAAACUGAGCUUGC.....	6
.....GACGGUGUAAACUGAGCUUGCUC.....	8
.....GACGGUGUAAACUGAGCUUGCUC.....	13
.....GACGGUGUAAACUGAGCUUGCUCU.....	25
.....GACGGUGUAAACUGAGCUUGCUCUU.....	45
.....GACGGUGUAAACUGAGCUUGCUCUUU.....	17
.....GACGGUGUAAACUGAGCUUGCUCUUUU.....	2
.....GACGGUGUAAACUGAGCUUGCUCUUUUU.....	2
.....ACGGUGUAAACUGAGC.....	4
.....ACGGUGUAAACUGAGCU.....	2
.....ACGGUGUAAACUGAGCUUGC.....	7
.....ACGGUGUAAACUGAGCUUGCUC.....	12
.....ACGGUGUAAACUGAGCUUGCUC.....	9
.....ACGGUGUAAACUGAGCUUGCUCU.....	65
.....ACGGUGUAAACUGAGCUUGCUCUU.....	93
.....ACGGUGUAAACUGAGCUUGCUCUUU.....	14
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.....CGGUGUAAACUGAGCUUGC.....	2
.....CGGUGUAAACUGAGCUUGCUC.....	8
.....CGGUGUAAACUGAGCUUGCUCU.....	22
.....CGGUGUAAACUGAGCUUGCUCUU.....	13
.....CGGUGUAAACUGAGCUUGCUCUUU.....	13
.....CGGUGUAAACUGAGCUUGCUCUUUU.....	2
.....GGUGUAAACUGAGCUUGCUC.....	2
.....GGUGUAAACUGAGCUUGCUCU.....	15
.....GGUGUAAACUGAGCUUGCUCUU.....	10
.....GGUGUAAACUGAGCUUGCUCUUU.....	6
.....GUGUAAACUGAGCUUGCUC.....	2
.....GUGUAAACUGAGCUUGCUCU.....	7
.....GUGUAAACUGAGCUUGCUCUU.....	33
.....GUGUAAACUGAGCUUGCUCUUU.....	23
.....GUGUAAACUGAGCUUGCUCUUUU.....	2
.....UGUAAACUGAGCUUGC.....	32
.....UGUAAACUGAGCUUGC.....	61
.....UGUAAACUGAGCUUGCUC.....	104
.....UGUAAACUGAGCUUGCUCU.....	164
.....UGUAAACUGAGCUUGCUCUU.....	1381
.....UGUAAACUGAGCUUGCUCUUU.....	4448
.....UGUAAACUGAGCUUGCUCUUUU.....	561
.....UGUAAACUGAGCUUGCUCUUUUU.....	37
.....GUAAACUGAGCUUGCUC.....	6
.....GUAAACUGAGCUUGCUCU.....	28
.....GUAAACUGAGCUUGCUCUU.....	46
.....GUAAACUGAGCUUGCUCUUU.....	89
.....GUAAACUGAGCUUGCUCUUUU.....	25
.....UAAACUGAGCUUGCUC.....	3
.....UAAACUGAGCUUGCUCU.....	3
.....UAAACUGAGCUUGCUCUU.....	3
.....UAAACUGAGCUUGCUCUUU.....	16
.....UAAACUGAGCUUGCUCUUUU.....	2
.....AAACUGAGCUUGCUCU.....	6
.....AAACUGAGCUUGCUCUU.....	8
.....AAACUGAGCUUGCUCUUU.....	28
.....AAACUGAGCUUGCUCUUUU.....	2
.....AACUGAGCUUGCUCUU.....	5
.....AACUGAGCUUGCUCUUU.....	8
.....ACUGAGCUUGCUCUUU.....	7

**#sh1005-TG**

UGGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads
UGGAGCAAGCUCAGUUUAC.....	2
UGGAGCAAGCUCAGUUUACA.....	8
UGGAGCAAGCUCAGUUUACAC.....	10
UGGAGCAAGCUCAGUUUACACC.....	118



.GGAGCAAGCUCAGUUU.....	4
.GGAGCAAGCUCAGUUUA.....	17
.GGAGCAAGCUCAGUUUAC.....	18
.GGAGCAAGCUCAGUUUACA.....	62
.GGAGCAAGCUCAGUUUACAC.....	228
.GGAGCAAGCUCAGUUUACACC.....	1485
.GGAGCAAGCUCAGUUUACACCU.....	293
.GGAGCAAGCUCAGUUUACACCUU.....	34
.GGAGCAAGCUCAGUUUACACCUUG.....	21
.GGAGCAAGCUCAGUUUACACCUUGU.....	6
.GGAGCAAGCUCAGUUUACACCUUGUC.....	7
.GGAGCAAGCUCAGUUUACACCUUGUCC.....	7
.GGAGCAAGCUCAGUUUACACCUUGUCCG.....	2
.GAGCAAGCUCAGUUUACAC.....	6
.GAGCAAGCUCAGUUUACACC.....	99
.GAGCAAGCUCAGUUUACACCU.....	9
.AGCAAGCUCAGUUUACACC.....	9
.GCAAGCUCAGUUUACACC.....	38
.GCAAGCUCAGUUUACACCU.....	3
.GCAAGCUCAGUUUACACCUUG.....	3
.GCAAGCUCAGUUUACACCUUGU.....	3
.CAAGCUCAGUUUACACC.....	8
.CAAGCUCAGUUUACACCU.....	5
.CAAGCUCAGUUUACACCUUG.....	3
.CAAGCUCAGUUUACACCUUGU.....	2
.AAGCUCAGUUUACACC.....	17
.AAGCUCAGUUUACACCU.....	4
.AAGCUCAGUUUACACCUUGU.....	3
.GCUCAGUUUACACCUUGUCCGA.....	2
.CUCAGUUUACACCUUGU.....	2
.UACACCUUGUCCGACGGUGU.....	2
.CUUGUCCGACGGUGUAAACUG.....	3
.UUGUCCGACGGUGUAAACUG.....	3
.UGUCCGACGGUGUAAACUGAGCUUGCUC.....	2
.GUCCGACGGUGUAAACUG.....	2
.GUCCGACGGUGUAAACUGAGC.....	2
.UCCGACGGUGUAAACUGAGCUUGCUC.....	2
.UCCGACGGUGUAAACUGAGCUUGCUCU.....	2
.CCGACGGUGUAAACUG.....	9
.CCGACGGUGUAAACUGA.....	12
.CCGACGGUGUAAACUGAG.....	29
.CCGACGGUGUAAACUGAGCUUGCUCUU.....	2
.CCGACGGUGUAAACUGAGCUUGCUCUUU.....	8
.CGACGGUGUAAACUGA.....	4
.CGACGGUGUAAACUGAG.....	13
.CGACGGUGUAAACUGAGC.....	2
.CGACGGUGUAAACUGAGCUUGCUCU.....	2

.....CGACGGUGUAAACUGAGCUUGCUCUU...	4
.....CGACGGUGUAAACUGAGCUUGCUCUUU...	8
.....CGACGGUGUAAACUGAGCUUGCUCUUUU.	7
.....GACGGUGUAAACUGAGCUU.....	2
.....GACGGUGUAAACUGAGCUUGCUC.....	2
.....GACGGUGUAAACUGAGCUUGCUCU.....	5
.....GACGGUGUAAACUGAGCUUGCUCUU...	9
.....GACGGUGUAAACUGAGCUUGCUCUUU..	15
.....GACGGUGUAAACUGAGCUUGCUCUUUU.	18
.....ACGGUGUAAACUGAGCU.....	2
.....ACGGUGUAAACUGAGCUUGC.....	4
.....ACGGUGUAAACUGAGCUUGC.....	3
.....ACGGUGUAAACUGAGCUUGCUC.....	6
.....ACGGUGUAAACUGAGCUUGCUCU....	16
.....ACGGUGUAAACUGAGCUUGCUCUU...	48
.....ACGGUGUAAACUGAGCUUGCUCUUU..	30
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.....CGGUGUAAACUGAGCUUGCUC.....	7
.....CGGUGUAAACUGAGCUUGCUCU.....	10
.....CGGUGUAAACUGAGCUUGCUCUU...	6
.....CGGUGUAAACUGAGCUUGCUCUUU..	4
.....CGGUGUAAACUGAGCUUGCUCUUUU.	8
.....GGUGUAAACUGAGCUUGCUCU.....	5
.....GGUGUAAACUGAGCUUGCUCUU...	3
.....GGUGUAAACUGAGCUUGCUCUUU..	13
.....GGUGUAAACUGAGCUUGCUCUUUU.	11
.....GUGUAAACUGAGCUUGCUCUU...	4
.....GUGUAAACUGAGCUUGCUCUUU..	4
.....GUGUAAACUGAGCUUGCUCUUUU.	6
.....UGUAAACUGAGCUUGC.....	21
.....UGUAAACUGAGCUUGC.....	36
.....UGUAAACUGAGCUUGCUC.....	80
.....UGUAAACUGAGCUUGCUCU.....	65
.....UGUAAACUGAGCUUGCUCUU...	253
.....UGUAAACUGAGCUUGCUCUUU..	1893
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.....UGUAAACUGAGCUUGCUCUUUUU	227
.....GUAAACUGAGCUUGC.....	3
.....GUAAACUGAGCUUGCUC.....	3
.....GUAAACUGAGCUUGCUCU.....	5
.....GUAAACUGAGCUUGCUCUU...	15
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.....GUAAACUGAGCUUGCUCUUUUU	6
.....UAAACUGAGCUUGCUCU.....	4
.....UAAACUGAGCUUGCUCUUU..	9

.....UAAACUGAGCUUGCUCUUUU.	16
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.....AAACUGAGCUUGCUCU....	2
.....AAACUGAGCUUGCUCUUU..	12
.....AAACUGAGCUUGCUCUUUU.	19
.....AACUGAGCUUGCUCUUU..	6
.....AACUGAGCUUGCUCUUUU.	2
.....ACUGAGCUUGCUCUUU..	3
.....ACUGAGCUUGCUCUUUU.	8
.....CUGAGCUUGCUCUUUU.	18
.....UGAGCUUGCUCUUUUU	2

**#sh1005-CA**

	Reads
CAGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	
CAGAGCAAGCUCAGUUUA.....	2
CAGAGCAAGCUCAGUUUAC.....	2
CAGAGCAAGCUCAGUUUACA.....	11
CAGAGCAAGCUCAGUUUACAC.....	33
CAGAGCAAGCUCAGUUUACACC.....	290
CAGAGCAAGCUCAGUUUACACCU.....	4
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.AGAGCAAGCUCAGUUUA.....	48
.AGAGCAAGCUCAGUUUAC.....	63
.AGAGCAAGCUCAGUUUACA.....	203
.AGAGCAAGCUCAGUUUACAC.....	818
.AGAGCAAGCUCAGUUUACACC.....	7183
.AGAGCAAGCUCAGUUUACACCU.....	886
.AGAGCAAGCUCAGUUUACACCUU.....	72
.AGAGCAAGCUCAGUUUACACCUUG.....	41
.AGAGCAAGCUCAGUUUACACCUUGU.....	12
.AGAGCAAGCUCAGUUUACACCUUGUC.....	10
.AGAGCAAGCUCAGUUUACACCUUGUCC.....	5
.AGAGCAAGCUCAGUUUACACCUUGUCCG.....	5
..GAGCAAGCUCAGUUUACA.....	2
..GAGCAAGCUCAGUUUACAC.....	21
..GAGCAAGCUCAGUUUACACC.....	140
..GAGCAAGCUCAGUUUACACCU.....	25
..GAGCAAGCUCAGUUUACACCUU.....	6
..GAGCAAGCUCAGUUUACACCUUGUCC.....	2
...AGCAAGCUCAGUUUACA.....	2
...AGCAAGCUCAGUUUACAC.....	2
...AGCAAGCUCAGUUUACACC.....	60
...AGCAAGCUCAGUUUACACCU.....	10
....GCAAGCUCAGUUUACAC.....	5
....GCAAGCUCAGUUUACACC.....	54
....GCAAGCUCAGUUUACACCU.....	3
....GCAAGCUCAGUUUACACCUUG.....	2

.....GCAAGCUCAGUUUACACCUUGU.....	3
.....CAAGCUCAGUUUACACC.....	17
.....AAGCUCAGUUUACACC.....	37
.....AAGCUCAGUUUACACCU.....	7
.....AAGCUCAGUUUACACCUUGU.....	3
.....AGCUCAGUUUACACCU.....	2
.....GCUCAGUUUACACCUUGUC.....	2
.....UUACACCUUGUCCGACG.....	3
.....UACACCUUGUCCGACGGUGU.....	2
.....ACCUUGUCCGACGGUGUAAACUGAGCU.....	3
.....CUUGUCCGACGGUGUAAACUG.....	3
.....UUGUCCGACGGUGUAAACUG.....	3
.....UUGUCCGACGGUGUAAACUGAGCUUG.....	2
.....UUGUCCGACGGUGUAAACUGAGCUUGC.....	4
.....UGUCCGACGGUGUAAACUGAGCUUG.....	2
.....GUCCGACGGUGUAAACUGAGC.....	2
.....GUCCGACGGUGUAAACUGAGCUUG.....	5
.....GUCCGACGGUGUAAACUGAGCUUGC.....	2
.....GUCCGACGGUGUAAACUGAGCUUGCUC.....	3
.....GUCCGACGGUGUAAACUGAGCUUGCUCU.....	4
.....UCCGACGGUGUAAACUGAGCUUGCUC.....	3
.....UCCGACGGUGUAAACUGAGCUUGCUCUU.....	2
.....CCGACGGUGUAAACUG.....	12
.....CCGACGGUGUAAACUGA.....	14
.....CCGACGGUGUAAACUGAG.....	32
.....CCGACGGUGUAAACUGAGCUU.....	2
.....CCGACGGUGUAAACUGAGCUUGCUCUU.....	6
.....CCGACGGUGUAAACUGAGCUUGCUCUUU.....	11
.....CGACGGUGUAAACUGA.....	3
.....CGACGGUGUAAACUGAG.....	8
.....CGACGGUGUAAACUGAGCUUGC.....	5
.....CGACGGUGUAAACUGAGCUUGCUC.....	4
.....CGACGGUGUAAACUGAGCUUGCUCU.....	5
.....CGACGGUGUAAACUGAGCUUGCUCUU.....	5
.....CGACGGUGUAAACUGAGCUUGCUCUUU.....	18
.....GACGGUGUAAACUGAGCU.....	3
.....GACGGUGUAAACUGAGCUUGC.....	6
.....GACGGUGUAAACUGAGCUUGCUCU.....	7
.....GACGGUGUAAACUGAGCUUGCUCUU.....	12
.....GACGGUGUAAACUGAGCUUGCUCUUU.....	35
.....GACGGUGUAAACUGAGCUUGCUCUUUU.....	3
.....GACGGUGUAAACUGAGCUUGCUCUUUUU.....	2
.....ACGGUGUAAACUGAGCUUG.....	4
.....ACGGUGUAAACUGAGCUUGC.....	6
.....ACGGUGUAAACUGAGCUUGCUC.....	2
.....ACGGUGUAAACUGAGCUUGCUCU.....	10
.....ACGGUGUAAACUGAGCUUGCUCUU.....	13

.....ACGGUGUAAACUGAGCUUGCUCUU...	35
.....ACGGUGUAAACUGAGCUUGCUCUUU..	36
.....ACGGUGUAAACUGAGCUUGCUCUUUU.	4
.....CGGUGUAAACUGAGCUUG.....	2
.....CGGUGUAAACUGAGCUUGC.....	3
.....CGGUGUAAACUGAGCUUGCUC.....	2
.....CGGUGUAAACUGAGCUUGCUCU....	10
.....CGGUGUAAACUGAGCUUGCUCUU...	14
.....CGGUGUAAACUGAGCUUGCUCUUU..	10
.....CGGUGUAAACUGAGCUUGCUCUUUU.	2
.....GGUGUAAACUGAGCUUGCUCU....	4
.....GGUGUAAACUGAGCUUGCUCUU...	25
.....GGUGUAAACUGAGCUUGCUCUUU..	19
.....GGUGUAAACUGAGCUUGCUCUUUU.	2
.....GUGUAAACUGAGCUUGC.....	2
.....GUGUAAACUGAGCUUGCUC.....	9
.....GUGUAAACUGAGCUUGCUCU....	5
.....GUGUAAACUGAGCUUGCUCUU...	47
.....GUGUAAACUGAGCUUGCUCUUU..	237
.....GUGUAAACUGAGCUUGCUCUUUU.	31
.....GUGUAAACUGAGCUUGCUCUUUUU	3
.....UGUAAACUGAGCUUGC.....	28
.....UGUAAACUGAGCUUGC.....	43
.....UGUAAACUGAGCUUGCUC.....	127
.....UGUAAACUGAGCUUGCUCU....	118
.....UGUAAACUGAGCUUGCUCUU...	576
.....UGUAAACUGAGCUUGCUCUUU..	6576
.....UGUAAACUGAGCUUGCUCUUUU.	925
.....UGUAAACUGAGCUUGCUCUUUUU	49
.....GUAAACUGAGCUUGCUC.....	3
.....GUAAACUGAGCUUGCUCU....	6
.....GUAAACUGAGCUUGCUCUU...	25
.....GUAAACUGAGCUUGCUCUUU..	175
.....GUAAACUGAGCUUGCUCUUUU.	28
.....GUAAACUGAGCUUGCUCUUUUU	4
.....UAAACUGAGCUUGCUCUU...	3
.....UAAACUGAGCUUGCUCUUU..	38
.....UAAACUGAGCUUGCUCUUUU.	5
.....AAACUGAGCUUGCUCUU...	3
.....AAACUGAGCUUGCUCUUU..	36
.....AAACUGAGCUUGCUCUUUU.	10
.....AACUGAGCUUGCUCUUU..	15
.....ACUGAGCUUGCUCUUU..	13
.....CUGAGCUUGCUCUUUU.	8
.....CUGAGCUUGCUCUUUUU	3
.....UGAGCUUGCUCUUUUU	3

#sh1005-CG

	Reads
CGGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	
CGGAGCAAGCUCAGUUU.....	3
CGGAGCAAGCUCAGUUUAC.....	5
CGGAGCAAGCUCAGUUUACA.....	19
CGGAGCAAGCUCAGUUUACAC.....	40
CGGAGCAAGCUCAGUUUACACC.....	676
CGGAGCAAGCUCAGUUUACACCU.....	2
.GGAGCAAGCUCAGUUU.....	13
.GGAGCAAGCUCAGUUUA.....	22
.GGAGCAAGCUCAGUUUAC.....	46
.GGAGCAAGCUCAGUUUACA.....	102
.GGAGCAAGCUCAGUUUACAC.....	364
.GGAGCAAGCUCAGUUUACACC.....	1994
.GGAGCAAGCUCAGUUUACACCU.....	579
.GGAGCAAGCUCAGUUUACACCUU.....	46
.GGAGCAAGCUCAGUUUACACCUUG.....	75
.GGAGCAAGCUCAGUUUACACCUUGU.....	4
.GGAGCAAGCUCAGUUUACACCUUGUC.....	3
.GGAGCAAGCUCAGUUUACACCUUGUCC.....	14
.GGAGCAAGCUCAGUUUACACCUUGCCG.....	6
.GAGCAAGCUCAGUUUACAC.....	12
.GAGCAAGCUCAGUUUACACC.....	77
.GAGCAAGCUCAGUUUACACCU.....	16
.GAGCAAGCUCAGUUUACACCUU.....	2
.GAGCAAGCUCAGUUUACACCUUG.....	2
.AGCAAGCUCAGUUUACACC.....	9
.AGCAAGCUCAGUUUACACCU.....	10
.GCAAGCUCAGUUUACAC.....	4
.GCAAGCUCAGUUUACACC.....	50
.CAAGCUCAGUUUACACC.....	9
.CAAGCUCAGUUUACACCU.....	2
.AAGCUCAGUUUACACC.....	12
.AAGCUCAGUUUACACCU.....	10
.AAGCUCAGUUUACACCUUG.....	2
.AGCUCAGUUUACACCUUG.....	2
.UCAGUUUACACCUUGUCCGACGG.....	2
.CACCUUGUCCGACGGUGUA.....	3
.ACCUUGUCCGACGGUGUAAA.....	2
.ACCUUGUCCGACGGUGUAAACU.....	3
.CCUUGUCCGACGGUGUAAACUG.....	2
.CUUGUCCGACGGUGUAAACUGAGCUU.....	4
.CUUGUCCGACGGUGUAAACUGAGCUUGC.....	2
.UUGUCCGACGGUGUAAACUG.....	3
.UUGUCCGACGGUGUAAACUGAGCUU.....	2
.UUGUCCGACGGUGUAAACUGAGCUUG.....	2
.UGUCCGACGGUGUAAAC.....	3

.....GUCCGACGGUGUAAACUGAGC.....	3
.....UCCGACGGUGUAAACUG.....	3
.....UCCGACGGUGUAAACUGAGCUUGC.....	2
.....UCCGACGGUGUAAACUGAGCUUGC.....	5
.....UCCGACGGUGUAAACUGAGCUUGCUCU.....	8
.....CCGACGGUGUAAACUG.....	10
.....CCGACGGUGUAAACUGA.....	13
.....CCGACGGUGUAAACUGAG.....	28
.....CCGACGGUGUAAACUGAGCUUGC.....	4
.....CCGACGGUGUAAACUGAGCUUGCUCU.....	14
.....CCGACGGUGUAAACUGAGCUUGCUCUU.....	10
.....CGACGGUGUAAACUGA.....	6
.....CGACGGUGUAAACUGAG.....	10
.....CGACGGUGUAAACUGAGCUUGC.....	3
.....CGACGGUGUAAACUGAGCUUGC.....	6
.....CGACGGUGUAAACUGAGCUUGCUCU.....	2
.....CGACGGUGUAAACUGAGCUUGCUCU.....	13
.....CGACGGUGUAAACUGAGCUUGCUCUU.....	20
.....CGACGGUGUAAACUGAGCUUGCUCUUU.....	15
.....GACGGUGUAAACUGAGC.....	3
.....GACGGUGUAAACUGAGCUUGC.....	2
.....GACGGUGUAAACUGAGCUUGCUCU.....	4
.....GACGGUGUAAACUGAGCUUGCUCUU.....	19
.....GACGGUGUAAACUGAGCUUGCUCUU.....	25
.....GACGGUGUAAACUGAGCUUGCUCUUU.....	32
.....GACGGUGUAAACUGAGCUUGCUCUUUU.....	2
.....ACGGUGUAAACUGAGCUUGC.....	7
.....ACGGUGUAAACUGAGCUUGC.....	6
.....ACGGUGUAAACUGAGCUUGC.....	13
.....ACGGUGUAAACUGAGCUUGCUCU.....	29
.....ACGGUGUAAACUGAGCUUGCUCU.....	97
.....ACGGUGUAAACUGAGCUUGCUCUU.....	59
.....ACGGUGUAAACUGAGCUUGCUCUUU.....	36
.....CGGUGUAAACUGAGCUUGC.....	8
.....CGGUGUAAACUGAGCUUGCUCU.....	7
.....CGGUGUAAACUGAGCUUGCUCU.....	15
.....CGGUGUAAACUGAGCUUGCUCUU.....	5
.....CGGUGUAAACUGAGCUUGCUCUUU.....	9
.....CGGUGUAAACUGAGCUUGCUCUUUU.....	3
.....GGUGUAAACUGAGCUUGC.....	3
.....GGUGUAAACUGAGCUUGC.....	2
.....GGUGUAAACUGAGCUUGCUCU.....	22
.....GGUGUAAACUGAGCUUGCUCUU.....	3
.....GGUGUAAACUGAGCUUGCUCUUU.....	3
.....GUGUAAACUGAGCUUGC.....	2
.....GUGUAAACUGAGCUUGCUCU.....	3
.....GUGUAAACUGAGCUUGCUCUU.....	13

.....GUGUAAACUGAGCUUGCUCUUU..	11
.....GUGUAAACUGAGCUUGCUCUUUU.	19
.....UGUAAACUGAGCUUGC.....	36
.....UGUAAACUGAGCUUGC.....	40
.....UGUAAACUGAGCUUGCUC.....	139
.....UGUAAACUGAGCUUGCUCU.....	88
.....UGUAAACUGAGCUUGCUCUU..	393
.....UGUAAACUGAGCUUGCUCUUU..	2694
.....UGUAAACUGAGCUUGCUCUUUU.	4198
.....UGUAAACUGAGCUUGCUCUUUUU	277
.....GUAAACUGAGCUUGC.....	2
.....GUAAACUGAGCUUGCUC.....	9
.....GUAAACUGAGCUUGCUCU.....	13
.....GUAAACUGAGCUUGCUCUU..	25
.....GUAAACUGAGCUUGCUCUUU..	68
.....GUAAACUGAGCUUGCUCUUUU.	122
.....GUAAACUGAGCUUGCUCUUUUU	11
.....UAAACUGAGCUUGCUCU.....	2
.....UAAACUGAGCUUGCUCUU..	2
.....UAAACUGAGCUUGCUCUUU..	21
.....UAAACUGAGCUUGCUCUUUU.	16
.....AAACUGAGCUUGCUCU.....	4
.....AAACUGAGCUUGCUCUU..	6
.....AAACUGAGCUUGCUCUUU..	12
.....AAACUGAGCUUGCUCUUUU.	24
.....AACUGAGCUUGCUCUU..	2
.....AACUGAGCUUGCUCUUU..	11
.....AACUGAGCUUGCUCUUUU.	13
.....ACUGAGCUUGCUCUUU..	2
.....ACUGAGCUUGCUCUUUU.	10
.....CUGAGCUUGCUCUUUU.	19
.....UGAGCUUGCUCUUUUU	2

**#sh1005-CC**

	Reads
CCGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	
CCGAGCAAGCUCAGUU.....	3
CCGAGCAAGCUCAGUUUAC.....	6
CCGAGCAAGCUCAGUUUACA.....	35
CCGAGCAAGCUCAGUUUACAC.....	68
CCGAGCAAGCUCAGUUUACACC.....	669
CCGAGCAAGCUCAGUUUACACCU.....	6
.CGAGCAAGCUCAGUUUAC.....	5
.CGAGCAAGCUCAGUUUACA.....	14
.CGAGCAAGCUCAGUUUACAC.....	54
.CGAGCAAGCUCAGUUUACACC.....	386
.CGAGCAAGCUCAGUUUACACCU.....	51
.CGAGCAAGCUCAGUUUACACCUU.....	6



.CGAGCAAGCUCAGUUUACACCUUG . . . . .	2
.CGAGCAAGCUCAGUUUACACCUUGUCC . . . . .	4
. .GAGCAAGCUCAGUUUA . . . . .	2
. .GAGCAAGCUCAGUUUAC . . . . .	29
. .GAGCAAGCUCAGUUUACA . . . . .	38
. .GAGCAAGCUCAGUUUACAC . . . . .	203
. .GAGCAAGCUCAGUUUACACC . . . . .	1594
. .GAGCAAGCUCAGUUUACACCU . . . . .	397
. .GAGCAAGCUCAGUUUACACCUU . . . . .	40
. .GAGCAAGCUCAGUUUACACCUUG . . . . .	65
. .GAGCAAGCUCAGUUUACACCUUGU . . . . .	10
. .GAGCAAGCUCAGUUUACACCUUGUC . . . . .	9
. .GAGCAAGCUCAGUUUACACCUUGUCC . . . . .	23
. .GAGCAAGCUCAGUUUACACCUUGUCCG . . . . .	8
. . .AGCAAGCUCAGUUUACAC . . . . .	3
. . .AGCAAGCUCAGUUUACACC . . . . .	24
. . .AGCAAGCUCAGUUUACACCU . . . . .	6
. . . .GCAAGCUCAGUUUACAC . . . . .	7
. . . .GCAAGCUCAGUUUACACC . . . . .	103
. . . .GCAAGCUCAGUUUACACCU . . . . .	27
. . . .GCAAGCUCAGUUUACACCUU . . . . .	5
. . . .GCAAGCUCAGUUUACACCUUGU . . . . .	3
. . . .GCAAGCUCAGUUUACACCUUGUC . . . . .	2
. . . . .CAAGCUCAGUUUACACC . . . . .	17
. . . . .AAGCUCAGUUUACACC . . . . .	16
. . . . .AAGCUCAGUUUACACCU . . . . .	11
. . . . .AAGCUCAGUUUACACCUU . . . . .	3
. . . . .AGCUCAGUUUACACCU . . . . .	4
. . . . .AGCUCAGUUUACACCUUGU . . . . .	6
. . . . .CUCAGUUUACACCUUGUCC . . . . .	2
. . . . .UCAGUUUACACCUUGUCCGAC . . . . .	2
. . . . .CAGUUUACACCUUGUCCGACGG . . . . .	2
. . . . .GUUUACACCUUGUCCGACGG . . . . .	3
. . . . .UACACCUUGUCCGACGGUGU . . . . .	6
. . . . .UUGUCCGACGGUGUAAA . . . . .	2
. . . . .UUGUCCGACGGUGUAAACUG . . . . .	3
. . . . .UUGUCCGACGGUGUAAACUGAGCUUGC . . . . .	4
. . . . .UGUCCGACGGUGUAAACU . . . . .	3
. . . . .GUCCGACGGUGUAAACUGAGCUUGCUCU . . . . .	2
. . . . .UCCGACGGUGUAAACUG . . . . .	2
. . . . .UCCGACGGUGUAAACUGAGCUUGC . . . . .	3
. . . . .UCCGACGGUGUAAACUGAGCUUGCUC . . . . .	2
. . . . .UCCGACGGUGUAAACUGAGCUUGCUCU . . . . .	2
. . . . .UCCGACGGUGUAAACUGAGCUUGCUCUU . . . . .	12
. . . . .CCGACGGUGUAAACUG . . . . .	8
. . . . .CCGACGGUGUAAACUGA . . . . .	12
. . . . .CCGACGGUGUAAACUGAG . . . . .	27

.....CCGACGGUGUAAACUGAGCUUGCUCU....	8
.....CCGACGGUGUAAACUGAGCUUGCUCUU...	20
.....CCGACGGUGUAAACUGAGCUUGCUCUUU..	2
.....CGACGGUGUAAACUGA.....	4
.....CGACGGUGUAAACUGAG.....	13
.....CGACGGUGUAAACUGAGCUUGCUCU....	8
.....CGACGGUGUAAACUGAGCUUGCUCUU...	12
.....CGACGGUGUAAACUGAGCUUGCUCUUU..	10
.....CGACGGUGUAAACUGAGCUUGCUCUUUU..	2
.....GACGGUGUAAACUGAGCUUGC.....	13
.....GACGGUGUAAACUGAGCUUGCUCU....	18
.....GACGGUGUAAACUGAGCUUGCUCUU...	48
.....GACGGUGUAAACUGAGCUUGCUCUUU..	20
.....ACGGUGUAAACUGAGCUUGC.....	8
.....ACGGUGUAAACUGAGCUUGC.....	3
.....ACGGUGUAAACUGAGCUUGCUC....	16
.....ACGGUGUAAACUGAGCUUGCUCU....	27
.....ACGGUGUAAACUGAGCUUGCUCUU...	76
.....ACGGUGUAAACUGAGCUUGCUCUUU..	14
.....CGGUGUAAACUGAGCUUGCUC.....	2
.....CGGUGUAAACUGAGCUUGCUCU....	15
.....CGGUGUAAACUGAGCUUGCUCUU...	13
.....CGGUGUAAACUGAGCUUGCUCUUU..	3
.....GGUGUAAACUGAGCUUGCUCU....	17
.....GGUGUAAACUGAGCUUGCUCUU...	15
.....GGUGUAAACUGAGCUUGCUCUUU..	10
.....GGUGUAAACUGAGCUUGCUCUUUU..	2
.....GUGUAAACUGAGCUUGCUC.....	3
.....GUGUAAACUGAGCUUGCUCU....	10
.....GUGUAAACUGAGCUUGCUCUU...	49
.....GUGUAAACUGAGCUUGCUCUUU..	35
.....GUGUAAACUGAGCUUGCUCUUUU..	3
.....UGUAAACUGAGCUUGC.....	15
.....UGUAAACUGAGCUUGC.....	50
.....UGUAAACUGAGCUUGCUC....	97
.....UGUAAACUGAGCUUGCUCU....	160
.....UGUAAACUGAGCUUGCUCUU...	1135
.....UGUAAACUGAGCUUGCUCUUU..	3888
.....UGUAAACUGAGCUUGCUCUUUU..	413
.....UGUAAACUGAGCUUGCUCUUUUU..	22
.....GUAAACUGAGCUUGCUC.....	5
.....GUAAACUGAGCUUGCUCU....	25
.....GUAAACUGAGCUUGCUCUU...	41
.....GUAAACUGAGCUUGCUCUUU..	105
.....GUAAACUGAGCUUGCUCUUUU..	17
.....UAAACUGAGCUUGCUCU....	6
.....UAAACUGAGCUUGCUCUU...	12

.....UAAACUGAGCUUGCUCUUU..	26
.....UAAACUGAGCUUGCUCUUUU.	3
.....AAACUGAGCUUGCUCU....	7
.....AAACUGAGCUUGCUCUU..	9
.....AAACUGAGCUUGCUCUUU..	21
.....AACUGAGCUUGCUCUU....	6
.....AACUGAGCUUGCUCUUU..	10
.....AACUGAGCUUGCUCUUUU.	3
.....ACUGAGCUUGCUCUUU..	9
.....CUGAGCUUGCUCUUUU.	2

**#shR-nccr5-GG**

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... UGGGAGCAAGCUCAGUUUACACC.....	4
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... GGGAGCAAGCUCAGUUU.....	74
... GGGAGCAAGCUCAGUUUA.....	249
... GGGAGCAAGCUCAGUUUAC.....	194
... GGGAGCAAGCUCAGUUUACA.....	404
... GGGAGCAAGCUCAGUUUACAC.....	1193
... GGGAGCAAGCUCAGUUUACACC.....	10136
... GGGAGCAAGCUCAGUUUACACCU.....	1810
... GGGAGCAAGCUCAGUUUACACCUU.....	262
... GGGAGCAAGCUCAGUUUACACCUUG.....	628
... GGGAGCAAGCUCAGUUUACACCUUGU.....	101
... GGGAGCAAGCUCAGUUUACACCUUGUC.....	57
... GGGAGCAAGCUCAGUUUACACCUUGUCC.....	36
... GGAGCAAGCUCAGUUU.....	39
... GGAGCAAGCUCAGUUUA.....	105
... GGAGCAAGCUCAGUUUAC.....	115
... GGAGCAAGCUCAGUUUACA.....	160
... GGAGCAAGCUCAGUUUACAC.....	322
... GGAGCAAGCUCAGUUUACACC.....	1184
... GGAGCAAGCUCAGUUUACACCU.....	1596
... GGAGCAAGCUCAGUUUACACCUU.....	204
... GGAGCAAGCUCAGUUUACACCUUG.....	558
... GGAGCAAGCUCAGUUUACACCUUGU.....	72
... GGAGCAAGCUCAGUUUACACCUUGUC.....	44
... GGAGCAAGCUCAGUUUACACCUUGUCC.....	54
... GGAGCAAGCUCAGUUUACACCUUGUCCG.....	5
... GAGCAAGCUCAGUUUA.....	208
... GAGCAAGCUCAGUUUAC.....	197
... GAGCAAGCUCAGUUUACA.....	230
... GAGCAAGCUCAGUUUACAC.....	484
... GAGCAAGCUCAGUUUACACC.....	1491
... GAGCAAGCUCAGUUUACACCU.....	1329
... GAGCAAGCUCAGUUUACACCUU.....	274

.....GAGCAAGCUCAGUUUACACCUUG.....	870
.....GAGCAAGCUCAGUUUACACCUUGU.....	131
.....GAGCAAGCUCAGUUUACACCUUGUC.....	94
.....GAGCAAGCUCAGUUUACACCUUGUCC.....	189
.....GAGCAAGCUCAGUUUACACCUUGUCCG.....	51
.....AGCAAGCUCAGUUUAC.....	95
.....AGCAAGCUCAGUUUACA.....	146
.....AGCAAGCUCAGUUUACAC.....	250
.....AGCAAGCUCAGUUUACACC.....	378
.....AGCAAGCUCAGUUUACACCU.....	817
.....AGCAAGCUCAGUUUACACCUU.....	141
.....AGCAAGCUCAGUUUACACCUUG.....	338
.....AGCAAGCUCAGUUUACACCUUGU.....	125
.....AGCAAGCUCAGUUUACACCUUGUC.....	90
.....AGCAAGCUCAGUUUACACCUUGUCC.....	203
.....AGCAAGCUCAGUUUACACCUUGUCCG.....	67
.....AGCAAGCUCAGUUUACACCUUGUCCGA.....	51
.....AGCAAGCUCAGUUUACACCUUGUCCGAC.....	4
.....GCAAGCUCAGUUUACA.....	26
.....GCAAGCUCAGUUUACAC.....	26
.....GCAAGCUCAGUUUACACC.....	127
.....GCAAGCUCAGUUUACACCU.....	66
.....GCAAGCUCAGUUUACACCUU.....	8
.....GCAAGCUCAGUUUACACCUUG.....	51
.....GCAAGCUCAGUUUACACCUUGU.....	17
.....GCAAGCUCAGUUUACACCUUGUC.....	3
.....GCAAGCUCAGUUUACACCUUGUCC.....	7
.....GCAAGCUCAGUUUACACCUUGUCCG.....	5
.....GCAAGCUCAGUUUACACCUUGUCCGACG.....	2
.....CAAGCUCAGUUUACAC.....	63
.....CAAGCUCAGUUUACACC.....	43
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.....CAAGCUCAGUUUACACCUU.....	8
.....CAAGCUCAGUUUACACCUUG.....	19
.....CAAGCUCAGUUUACACCUUGU.....	24
.....CAAGCUCAGUUUACACCUUGUC.....	4
.....CAAGCUCAGUUUACACCUUGUCC.....	5
.....CAAGCUCAGUUUACACCUUGUCCG.....	6
.....CAAGCUCAGUUUACACCUUGUCCGA.....	2
.....CAAGCUCAGUUUACACCUUGUCCGAC.....	2
.....CAAGCUCAGUUUACACCUUGUCCGACG.....	7
.....CAAGCUCAGUUUACACCUUGUCCGACGG.....	2
.....AAGCUCAGUUUACACC.....	124
.....AAGCUCAGUUUACACCU.....	80
.....AAGCUCAGUUUACACCUU.....	26
.....AAGCUCAGUUUACACCUUG.....	31
.....AAGCUCAGUUUACACCUUGU.....	21

.....AAGCUCAGUUUACACCUUGUC.....	7
.....AAGCUCAGUUUACACCUUGUCC.....	10
.....AAGCUCAGUUUACACCUUGUCCG.....	5
.....AAGCUCAGUUUACACCUUGUCCGA.....	2
.....AAGCUCAGUUUACACCUUGUCCGAC.....	2
.....AAGCUCAGUUUACACCUUGUCCGACG.....	9
.....AAGCUCAGUUUACACCUUGUCCGACGG.....	2
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#mU6 TI 1

UGAUAAUUUGUGGUAGUGGUUUUUUCGUA

Reads

.GAUAAUUUGUGGUAGUGGUUUUU.....	11
.GAUAAUUUGUGGUAGUGGUUUUU.....	29
..AUAAUUUGUGGUAGUGGUUUUU.....	2
...UAAUUUGUGGUAGUGGUUUUU.....	7

**#mU6 TI 2**

AGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
AGAUAAUUUGUGGUAGUGGU.....	4
AGAUAAUUUGUGGUAGUGGUUU.....	5
AGAUAAUUUGUGGUAGUGGUUUUU.....	15
AGAUAAUUUGUGGUAGUGGUUUUU.....	63
AGAUAAUUUGUGGUAGUGGUUUUUUC...	4
.GAUAAUUUGUGGUAGUGGUUU.....	2
.GAUAAUUUGUGGUAGUGGUUUUU.....	5
.GAUAAUUUGUGGUAGUGGUUUUU.....	3
..AUAAUUUGUGGUAGUGGUUUUU.....	3
...UAAUUUGUGGUAGUGGUUUUU.....	7

**#mU6 TI 3**

CGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
.GAUAAUUUGUGGUAGUGGU.....	2
.GAUAAUUUGUGGUAGUGGUUU.....	2
.GAUAAUUUGUGGUAGUGGUUUUU.....	15
.GAUAAUUUGUGGUAGUGGUUUUU.....	26
..AUAAUUUGUGGUAGUGGUUU.....	3
..AUAAUUUGUGGUAGUGGUUUUU.....	2
...UAAUUUGUGGUAGUGGUUUUU.....	2
...UAAUUUGUGGUAGUGGUUUUU.....	5

**#mU6 TI 4**

GGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
GGAUAAUUUGUGGUAGUGGU.....	4
GGAUAAUUUGUGGUAGUGGUUU.....	3
GGAUAAUUUGUGGUAGUGGUUUUU.....	8
GGAUAAUUUGUGGUAGUGGUUUUU.....	30
GGAUAAUUUGUGGUAGUGGUUUUU.....	52
GGAUAAUUUGUGGUAGUGGUUUUUUC...	2
.GAUAAUUUGUGGUAGUGGUUUUU.....	3
.GAUAAUUUGUGGUAGUGGUUUUU.....	13
..AUAAUUUGUGGUAGUGGUUU.....	3
..AUAAUUUGUGGUAGUGGUUUUU.....	3
..AUAAUUUGUGGUAGUGGUUUUU.....	2
...UAAUUUGUGGUAGUGGUUUUU.....	5

**#mU6 TI 5**

UUGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
..GAUAAUUUGUGGUAGUGGU.....	3

..GAUAAUUUGUGGUAGUGGUUUUU.....	6
..GAUAAUUUGUGGUAGUGGUUUUUUU.....	26
...AUAAUUUGUGGUAGUGGUUUUUUCG..	2
...UAAUUUGUGGUAGUGGUUUUU.....	4
...UAAUUUGUGGUAGUGGUUUUUUU.....	3
...UAAUUUGUGGUAGUGGUUUUUUCGU.	2

**#mU6 TI 6**

UAGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
UAGAUAAUUUGUGGUAGUGGUUUUU.....	2
.AGAUAAUUUGUGGUAGU.....	2
.AGAUAAUUUGUGGUAGUGG.....	5
.AGAUAAUUUGUGGUAGUGGU.....	2
.AGAUAAUUUGUGGUAGUGGUUU.....	4
.AGAUAAUUUGUGGUAGUGGUUUU.....	5
.AGAUAAUUUGUGGUAGUGGUUUUU.....	43
.AGAUAAUUUGUGGUAGUGGUUUUUUU....	82
.AGAUAAUUUGUGGUAGUGGUUUUUUC...	13
..GAUAAUUUGUGGUAGUGGUUUU.....	2
..GAUAAUUUGUGGUAGUGGUUUUUUU....	7
...AUAAUUUGUGGUAGUGGUUUUUUU....	2
...UAAUUUGUGGUAGUGGUUUUUUU....	7

**#mU6 TI 7**

UCGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
..GAUAAUUUGUGGUAGUGGUUU.....	2
..GAUAAUUUGUGGUAGUGGUUUUU.....	13
..GAUAAUUUGUGGUAGUGGUUUUU.....	12
..GAUAAUUUGUGGUAGUGGUUUUUUU....	33
...UAAUUUGUGGUAGUGGUUUUUUU....	6

**#mU6 TI 8**

UGGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
.GGAUAAUUUGUGGUAGUGGU.....	2
.GGAUAAUUUGUGGUAGUGGUU.....	5
.GGAUAAUUUGUGGUAGUGGUUU.....	3
.GGAUAAUUUGUGGUAGUGGUUUU.....	11
.GGAUAAUUUGUGGUAGUGGUUUUU.....	22
.GGAUAAUUUGUGGUAGUGGUUUUUUU....	47
..GAUAAUUUGUGGUAGUGGUUUUUUU....	4
...UAAUUUGUGGUAGUGGUUUUUUU....	2

**#mU6 TI 9**

UUUGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
***GAUAAUUUGUGGUAGUGGUU*****	0

**#mU6 TI 10**

UUAGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
..AGAUAAUUUGUGGUAGUGG.....	2
..AGAUAAUUUGUGGUAGUGGUUUU.....	12
..AGAUAAUUUGUGGUAGUGGUUUUU.....	19
..AGAUAAUUUGUGGUAGUGGUUUUUU....	32
..AGAUAAUUUGUGGUAGUGGUUUUUUC...	3
...AUAUUUGUGGUAGUGGUUUU.....	2
...AUAUUUGUGGUAGUGGUUUUU.....	2

**#mU6 TI 11**

UUCGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
..CGAUAAUUUGUGGUAGUGGUUUUUU....	5
...GAUAAUUUGUGGUAGUGGUUUU.....	2

**#mU6 TI 12**

UUGGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
..GGAUAAUUUGUGGUAGUGGUUUU.....	5
..GGAUAAUUUGUGGUAGUGGUUUUU.....	16
..GGAUAAUUUGUGGUAGUGGUUUUUU....	26
..GGAUAAUUUGUGGUAGUGGUUUUUUC...	4
....UAAUUUGUGGUAGUGGUUUUUU....	3

**#mU6 TI 13**

UUUUAGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
***GAUAAUUUGUGGUAGUGGUU*****	0

**#mU6 TI 14**

UUUAGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
..AGAUAAUUUGUGGUAGUGGUUUUUU....	4

**#mU6 TI 15**

UUUCGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
***GAUAAUUUGUGGUAGUGGUU*****	0

**#mU6 TI 16**

UUUGGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads
...GGAUAAUUUGUGGUAGUGGUUUUUU....	4

**#shR-miR-451**

UUAAACCGUUACCAUUACUGAGUUUAGUAAUGGUAAGGUUCUUUUU	Reads
.UAAACCGUUACCAUUACUGAGUUU.....	3
.UAAACCGUUACCAUUACUGAGUUUA.....	2
..AAACCGUUACCAUUAC.....	37
..AAACCGUUACCAUUACU.....	59
..AAACCGUUACCAUUACUG.....	22
..AAACCGUUACCAUUACUGA.....	47
..AAACCGUUACCAUUACUGAG.....	134

..AAACCGUUACCAUUACUGAGU.....	114
..AAACCGUUACCAUUACUGAGUU.....	351
..AAACCGUUACCAUUACUGAGUUU.....	14108
..AAACCGUUACCAUUACUGAGUUUA.....	5252
..AAACCGUUACCAUUACUGAGUUUAG.....	3737
..AAACCGUUACCAUUACUGAGUUUAGU.....	10231
..AAACCGUUACCAUUACUGAGUUUAGUA.....	351
...AACCGUUACCAUUACU.....	3
...AACCGUUACCAUUACUG.....	5
...AACCGUUACCAUUACUGA.....	4
...AACCGUUACCAUUACUGAG.....	10
...AACCGUUACCAUUACUGAGU.....	17
...AACCGUUACCAUUACUGAGUU.....	56
...AACCGUUACCAUUACUGAGUUU.....	102
...AACCGUUACCAUUACUGAGUUUA.....	35
...AACCGUUACCAUUACUGAGUUUAG.....	104
...AACCGUUACCAUUACUGAGUUUAGU.....	391
...AACCGUUACCAUUACUGAGUUUAGUA.....	17
...AACCGUUACCAUUACUGAGUUUAGUAA.....	20
....ACCGUUACCAUUACUG.....	10
....ACCGUUACCAUUACUGA.....	10
....ACCGUUACCAUUACUGAG.....	28
....ACCGUUACCAUUACUGAGU.....	22
....ACCGUUACCAUUACUGAGUU.....	37
....ACCGUUACCAUUACUGAGUUU.....	70
....ACCGUUACCAUUACUGAGUUUA.....	18
....ACCGUUACCAUUACUGAGUUUAG.....	54
....ACCGUUACCAUUACUGAGUUUAGU.....	191
....ACCGUUACCAUUACUGAGUUUAGUA.....	5
....ACCGUUACCAUUACUGAGUUUAGUAA.....	17
....ACCGUUACCAUUACUGAGUUUAGUAAU.....	138
.....CCGUUACCAUUACUGA.....	25
.....CCGUUACCAUUACUGAG.....	158
.....CCGUUACCAUUACUGAGU.....	40
.....CCGUUACCAUUACUGAGUU.....	80
.....CCGUUACCAUUACUGAGUUU.....	51
.....CCGUUACCAUUACUGAGUUUA.....	21
.....CCGUUACCAUUACUGAGUUUAG.....	68
.....CCGUUACCAUUACUGAGUUUAGU.....	129
.....CCGUUACCAUUACUGAGUUUAGUA.....	11
.....CCGUUACCAUUACUGAGUUUAGUAA.....	25
.....CCGUUACCAUUACUGAGUUUAGUAAU.....	267
.....CCGUUACCAUUACUGAGUUUAGUAAUG.....	107
.....CGUUACCAUUACUGAG.....	129
.....CGUUACCAUUACUGAGU.....	58
.....CGUUACCAUUACUGAGUU.....	117
.....CGUUACCAUUACUGAGUUU.....	129



.....CGUUACCAUUACUGAGUUUA.....	65
.....CGUUACCAUUACUGAGUUUAG.....	229
.....CGUUACCAUUACUGAGUUUAGU.....	399
.....CGUUACCAUUACUGAGUUUAGUA.....	41
.....CGUUACCAUUACUGAGUUUAGUAA.....	122
.....CGUUACCAUUACUGAGUUUAGUAAU.....	1406
.....CGUUACCAUUACUGAGUUUAGUAAUG.....	633
.....CGUUACCAUUACUGAGUUUAGUAAUGG.....	429
.....GUUACCAUUACUGAGU.....	32
.....GUUACCAUUACUGAGUU.....	67
.....GUUACCAUUACUGAGUUU.....	118
.....GUUACCAUUACUGAGUUUA.....	42
.....GUUACCAUUACUGAGUUUAG.....	63
.....GUUACCAUUACUGAGUUUAGU.....	180
.....GUUACCAUUACUGAGUUUAGUA.....	12
.....GUUACCAUUACUGAGUUUAGUAA.....	60
.....GUUACCAUUACUGAGUUUAGUAAU.....	732
.....GUUACCAUUACUGAGUUUAGUAAUG.....	210
.....GUUACCAUUACUGAGUUUAGUAAUGG.....	231
.....GUUACCAUUACUGAGUUUAGUAAUGGU.....	171
.....UUACCAUUACUGAGUU.....	13
.....UUACCAUUACUGAGUUU.....	44
.....UUACCAUUACUGAGUUUA.....	12
.....UUACCAUUACUGAGUUUAG.....	21
.....UUACCAUUACUGAGUUUAGU.....	47
.....UUACCAUUACUGAGUUUAGUA.....	6
.....UUACCAUUACUGAGUUUAGUAA.....	13
.....UUACCAUUACUGAGUUUAGUAAU.....	143
.....UUACCAUUACUGAGUUUAGUAAUG.....	36
.....UUACCAUUACUGAGUUUAGUAAUGG.....	54
.....UUACCAUUACUGAGUUUAGUAAUGGU.....	33
.....UACCAUUACUGAGUUU.....	55
.....UACCAUUACUGAGUUUA.....	14
.....UACCAUUACUGAGUUUAG.....	33
.....UACCAUUACUGAGUUUAGU.....	85
.....UACCAUUACUGAGUUUAGUA.....	9
.....UACCAUUACUGAGUUUAGUAA.....	26
.....UACCAUUACUGAGUUUAGUAAU.....	199
.....UACCAUUACUGAGUUUAGUAAUG.....	100
.....UACCAUUACUGAGUUUAGUAAUGG.....	25
.....UACCAUUACUGAGUUUAGUAAUGGU.....	21
.....ACCAUUACUGAGUUUA.....	10
.....ACCAUUACUGAGUUUAG.....	26
.....ACCAUUACUGAGUUUAGU.....	74
.....ACCAUUACUGAGUUUAGUAA.....	8
.....ACCAUUACUGAGUUUAGUAAU.....	149
.....ACCAUUACUGAGUUUAGUAAUG.....	16

.....CCAUUACUGAGUUUAG.....	26
.....CCAUUACUGAGUUUAGU.....	48
.....CCAUUACUGAGUUUAGUA.....	4
.....CCAUUACUGAGUUUAGUAA.....	8
.....CCAUUACUGAGUUUAGUAAU.....	36
.....CCAUUACUGAGUUUAGUAAUG.....	2
.....CAUUACUGAGUUUAGU.....	177
.....CAUUACUGAGUUUAGUA.....	19
.....CAUUACUGAGUUUAGUAA.....	31
.....CAUUACUGAGUUUAGUAAU.....	101
.....CAUUACUGAGUUUAGUAAUGG.....	5
.....CAUUACUGAGUUUAGUAAUGGU.....	2
.....AUUACUGAGUUUAGUA.....	35
.....AUUACUGAGUUUAGUAA.....	36
.....AUUACUGAGUUUAGUAAU.....	284
.....AUUACUGAGUUUAGUAAUG.....	3
.....AUUACUGAGUUUAGUAAUGG.....	3
.....AUUACUGAGUUUAGUAAUGGUAUG.....	2
.....UUACUGAGUUUAGUAA.....	11
.....UUACUGAGUUUAGUAAU.....	37
.....UUACUGAGUUUAGUAAUG.....	3
.....UUACUGAGUUUAGUAAUGGU.....	4
.....UACUGAGUUUAGUAAU.....	53
.....UACUGAGUUUAGUAAUG.....	16
.....UACUGAGUUUAGUAAUGG.....	12
.....UACUGAGUUUAGUAAUGGU.....	8
.....UACUGAGUUUAGUAAUGGUAUG.....	8
.....UACUGAGUUUAGUAAUGGUAUGGUUC.....	2
.....ACUGAGUUUAGUAAUG.....	12
.....ACUGAGUUUAGUAAUGG.....	6
.....ACUGAGUUUAGUAAUGGU.....	5
.....ACUGAGUUUAGUAAUGGUAUG.....	14
.....ACUGAGUUUAGUAAUGGUAUGG.....	5
.....ACUGAGUUUAGUAAUGGUAUGGUUC.....	3
.....ACUGAGUUUAGUAAUGGUAUGGUUCU.....	5
.....CUGAGUUUAGUAAUGG.....	32
.....CUGAGUUUAGUAAUGGU.....	13
.....CUGAGUUUAGUAAUGGUAA.....	13
.....CUGAGUUUAGUAAUGGUAAU.....	3
.....CUGAGUUUAGUAAUGGUAAUG.....	39
.....CUGAGUUUAGUAAUGGUAAUGG.....	130
.....CUGAGUUUAGUAAUGGUAAUGGU.....	75
.....CUGAGUUUAGUAAUGGUAAUGGUU.....	5
.....CUGAGUUUAGUAAUGGUAAUGGUUC.....	30
.....CUGAGUUUAGUAAUGGUAAUGGUUCU.....	31
.....CUGAGUUUAGUAAUGGUAAUGGUUCUU.....	10
.....UGAGUUUAGUAAUGGU.....	14

.....UGAGUUUAGUAAUGGUA.....	2
.....UGAGUUUAGUAAUGGUA.....	18
.....UGAGUUUAGUAAUGGUAUU.....	3
.....UGAGUUUAGUAAUGGUA AUG.....	60
.....UGAGUUUAGUAAUGGUA AUGG.....	55
.....UGAGUUUAGUAAUGGUA AUGGU.....	28
.....UGAGUUUAGUAAUGGUA AUGGUU.....	6
.....UGAGUUUAGUAAUGGUA AUGGUUC.....	17
.....UGAGUUUAGUAAUGGUA AUGGUUCU.....	63
.....UGAGUUUAGUAAUGGUA AUGGUUCUU.....	36
.....UGAGUUUAGUAAUGGUA AUGGUUCUUU.....	121
.....GAGUUUAGUAAUGGUA.....	9
.....GAGUUUAGUAAUGGUA.....	18
.....GAGUUUAGUAAUGGUAUU.....	10
.....GAGUUUAGUAAUGGUA AUG.....	37
.....GAGUUUAGUAAUGGUA AUGG.....	35
.....GAGUUUAGUAAUGGUA AUGGU.....	14
.....GAGUUUAGUAAUGGUA AUGGUU.....	9
.....GAGUUUAGUAAUGGUA AUGGUUC.....	78
.....GAGUUUAGUAAUGGUA AUGGUUCU.....	198
.....GAGUUUAGUAAUGGUA AUGGUUCUU.....	170
.....GAGUUUAGUAAUGGUA AUGGUUCUUU.....	720
.....GAGUUUAGUAAUGGUA AUGGUUCUUUU.....	230
.....AGUUUAGUAAUGGUA.....	13
.....AGUUUAGUAAUGGUAUU.....	12
.....AGUUUAGUAAUGGUA AUG.....	20
.....AGUUUAGUAAUGGUA AUGG.....	20
.....AGUUUAGUAAUGGUA AUGGU.....	5
.....AGUUUAGUAAUGGUA AUGGUU.....	7
.....AGUUUAGUAAUGGUA AUGGUUC.....	48
.....AGUUUAGUAAUGGUA AUGGUUCU.....	125
.....AGUUUAGUAAUGGUA AUGGUUCUU.....	102
.....AGUUUAGUAAUGGUA AUGGUUCUUU.....	417
.....AGUUUAGUAAUGGUA AUGGUUCUUUU.....	160
.....AGUUUAGUAAUGGUA AUGGUUCUUUUU.....	48
.....GUUUAGUAAUGGUAUU.....	5
.....GUUUAGUAAUGGUA AUG.....	14
.....GUUUAGUAAUGGUA AUGG.....	34
.....GUUUAGUAAUGGUA AUGGU.....	9
.....GUUUAGUAAUGGUA AUGGUU.....	14
.....GUUUAGUAAUGGUA AUGGUUC.....	99
.....GUUUAGUAAUGGUA AUGGUUCU.....	314
.....GUUUAGUAAUGGUA AUGGUUCUU.....	254
.....GUUUAGUAAUGGUA AUGGUUCUUU.....	1009
.....GUUUAGUAAUGGUA AUGGUUCUUUU.....	407
.....GUUUAGUAAUGGUA AUGGUUCUUUUU.....	116
.....UUUAGUAAUGGUA AUG.....	10

.....UUUAGUAAUGGUA AUGG.....	57
.....UUUAGUAAUGGUA AUGGU.....	21
.....UUUAGUAAUGGUA AUGGUU.....	19
.....UUUAGUAAUGGUA AUGGUUC.....	135
.....UUUAGUAAUGGUA AUGGUUCU.....	410
.....UUUAGUAAUGGUA AUGGUUCUU.....	352
.....UUUAGUAAUGGUA AUGGUUCUUU.....	1441
.....UUUAGUAAUGGUA AUGGUUCUUUU.....	632
.....UUUAGUAAUGGUA AUGGUUCUUUUU.....	171
.....UUAGUAAUGGUA AUGG.....	41
.....UUAGUAAUGGUA AUGGU.....	24
.....UUAGUAAUGGUA AUGGUU.....	21
.....UUAGUAAUGGUA AUGGUUC.....	220
.....UUAGUAAUGGUA AUGGUUCU.....	560
.....UUAGUAAUGGUA AUGGUUCUU.....	559
.....UUAGUAAUGGUA AUGGUUCUUU.....	2069
.....UUAGUAAUGGUA AUGGUUCUUUU.....	900
.....UUAGUAAUGGUA AUGGUUCUUUUU.....	271
.....UAGUAAUGGUA AUGGU.....	19
.....UAGUAAUGGUA AUGGUU.....	14
.....UAGUAAUGGUA AUGGUUC.....	120
.....UAGUAAUGGUA AUGGUUCU.....	257
.....UAGUAAUGGUA AUGGUUCUU.....	201
.....UAGUAAUGGUA AUGGUUCUUU.....	750
.....UAGUAAUGGUA AUGGUUCUUUU.....	316
.....UAGUAAUGGUA AUGGUUCUUUUU.....	92
.....AGUAAUGGUA AUGGU.....	10
.....AGUAAUGGUA AUGGUUC.....	68
.....AGUAAUGGUA AUGGUUCU.....	94
.....AGUAAUGGUA AUGGUUCUU.....	79
.....AGUAAUGGUA AUGGUUCUUU.....	220
.....AGUAAUGGUA AUGGUUCUUUU.....	83
.....AGUAAUGGUA AUGGUUCUUUUU.....	27
.....GUAAUGGUA AUGGUUC.....	29
.....GUAAUGGUA AUGGUUCU.....	43
.....GUAAUGGUA AUGGUUCUU.....	49
.....GUAAUGGUA AUGGUUCUUU.....	154
.....GUAAUGGUA AUGGUUCUUUU.....	65
.....GUAAUGGUA AUGGUUCUUUUU.....	19
.....UAAUGGUA AUGGUUCU.....	29
.....UAAUGGUA AUGGUUCUU.....	31
.....UAAUGGUA AUGGUUCUUU.....	84
.....UAAUGGUA AUGGUUCUUUU.....	37
.....UAAUGGUA AUGGUUCUUUUU.....	12
.....AAUGGUA AUGGUUCU.....	30
.....AAUGGUA AUGGUUCUUU.....	118
.....AAUGGUA AUGGUUCUUUU.....	39

.....AAUGGUA AUGGUUCUUUU	25
.....AUGGUA AUGGUUCUU..	53
.....AUGGUA AUGGUUCUUUU.	23
.....AUGGUA AUGGUUCUUUUU	8
.....UGGUA AUGGUUCUUUU.	6
.....GGUA AUGGUUCUUUUU	9

**#shR-miR-31**

	Reads
UAGGCAAGAUGCUGGCAUAGCUGUUGAACUGGGAACCUGCUAUGCCAACAUAUUGCCAUUUUU	
UAGGCAAGAUGCUGGCAUAGC.....	3
UAGGCAAGAUGCUGGCAUAGCU.....	2
UAGGCAAGAUGCUGGCAUAGCUG.....	5
.AGGCAAGAUGCUGGCA.....	3
.AGGCAAGAUGCUGGCAUA.....	3
.AGGCAAGAUGCUGGCAUAG.....	22
.AGGCAAGAUGCUGGCAUAGC.....	495
.AGGCAAGAUGCUGGCAUAGCU.....	527
.AGGCAAGAUGCUGGCAUAGCUG.....	528
.AGGCAAGAUGCUGGCAUAGCUGU.....	960
.AGGCAAGAUGCUGGCAUAGCUGUU.....	81
.AGGCAAGAUGCUGGCAUAGCUGUUG.....	2
..GGCAAGAUGCUGGCAUAGC.....	20
..GGCAAGAUGCUGGCAUAGCU.....	9
..GGCAAGAUGCUGGCAUAGCUG.....	14
..GGCAAGAUGCUGGCAUAGCUGU.....	19
..GGCAAGAUGCUGGCAUAGCUGUU.....	3
...GCAAGAUGCUGGCAUAGC.....	8
...GCAAGAUGCUGGCAUAGCU.....	5
...GCAAGAUGCUGGCAUAGCUG.....	6
...GCAAGAUGCUGGCAUAGCUGU.....	8
....CAAGAUGCUGGCAUAGC.....	6
....CAAGAUGCUGGCAUAGCU.....	10
....CAAGAUGCUGGCAUAGCUG.....	3
....CAAGAUGCUGGCAUAGCUGU.....	3
....CAAGAUGCUGGCAUAGCUGUU.....	2
.....AAGAUGCUGGCAUAGC.....	6
.....AAGAUGCUGGCAUAGCU.....	4
.....AAGAUGCUGGCAUAGCUG.....	6
.....AAGAUGCUGGCAUAGCUGU.....	13
.....AAGAUGCUGGCAUAGCUGUUGAAC.....	4
.....AGAUGCUGGCAUAGCU.....	3
.....AGAUGCUGGCAUAGCUGU.....	2
.....AGAUGCUGGCAUAGCUGUU.....	3
.....AGAUGCUGGCAUAGCUGUUGA.....	3
.....AGAUGCUGGCAUAGCUGUUGAAC.....	6
.....GAUGCUGGCAUAGCUG.....	2
.....GAUGCUGGCAUAGCUGU.....	5

.....GAUGCUGGCAUAGCUGUUGA.....	2
.....GAUGCUGGCAUAGCUGUUGAA.....	3
.....AUGCUGGCAUAGCUGU.....	6
.....AUGCUGGCAUAGCUGUU.....	2
.....AUGCUGGCAUAGCUGUUGAA.....	5
.....AUGCUGGCAUAGCUGUUGAAC.....	3
.....UGCUGGCAUAGCUGUU.....	3
.....UGCUGGCAUAGCUGUUGAAC.....	6
.....UGGCAUAGCUGUUGAAC.....	2
.....UGGCAUAGCUGUUGAACUGGGAACC.....	2
.....CUGUUGAACUGGGAAC.....	5
.....CUGUUGAACUGGGAACC.....	3
.....CUGUUGAACUGGGAACCUGCU.....	2
.....CUGUUGAACUGGGAACCUGCUAUGC.....	24
.....UGUUGAACUGGGAACCUGC.....	49
.....UGUUGAACUGGGAACCUGCUAUG.....	5
.....UGUUGAACUGGGAACCUGCUAUGC.....	9
.....UGUUGAACUGGGAACCUGCUAUGCC.....	4
.....UGUUGAACUGGGAACCUGCUAUGCCA.....	2
.....GUUGAACUGGGAACCUG.....	3
.....GUUGAACUGGGAACCUGC.....	8
.....GUUGAACUGGGAACCUGCUAUGC.....	3
.....UUGAACUGGGAACCUGCUAUG.....	4
.....UUGAACUGGGAACCUGCUAUGC.....	27
.....UUGAACUGGGAACCUGCUAUGCC.....	16
.....UUGAACUGGGAACCUGCUAUGCCA.....	7
.....UUGAACUGGGAACCUGCUAUGCCAA.....	2
.....UGAACUGGGAACCUGCUAUGC.....	3
.....UGAACUGGGAACCUGCUAUGCC.....	2
.....UGAACUGGGAACCUGCUAUGCCAAC.....	2
.....ACUGGGAACCUGCUAUGCCAACAUAU.....	2
.....ACUGGGAACCUGCUAUGCCAACAUAUU.....	2
.....CUGGGAACCUGCUAUGCC.....	2
.....CUGGGAACCUGCUAUGCCAAC.....	2
.....CUGGGAACCUGCUAUGCCAACAU.....	3
.....CUGGGAACCUGCUAUGCCAACAUA.....	3
.....CUGGGAACCUGCUAUGCCAACAUAU.....	6
.....CUGGGAACCUGCUAUGCCAACAUAUU.....	47
.....UGGGAACCUGCUAUGCC.....	15
.....UGGGAACCUGCUAUGCCA.....	8
.....UGGGAACCUGCUAUGCCAA.....	7
.....UGGGAACCUGCUAUGCCAAC.....	4
.....UGGGAACCUGCUAUGCCAACA.....	3
.....UGGGAACCUGCUAUGCCAACAUAU.....	5
.....UGGGAACCUGCUAUGCCAACAUAUU.....	20
.....GGGAACCUGCUAUGCC.....	40
.....GGGAACCUGCUAUGCCA.....	15

.....GGGAACCUGCUAUGCCAA.....	25
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.....GGGAACCUGCUAUGCCAACA.....	11
.....GGGAACCUGCUAUGCCAACAUA.....	2
.....GGGAACCUGCUAUGCCAACAUAU.....	7
.....GGGAACCUGCUAUGCCAACAUAUU.....	38
.....GGGAACCUGCUAUGCCAACAUAUUG.....	3
.....GGGAACCUGCUAUGCCAACAUAUUGCC.....	3
.....GGAACCUGCUAUGCCA.....	17
.....GGAACCUGCUAUGCCAA.....	10
.....GGAACCUGCUAUGCCAAC.....	9
.....GGAACCUGCUAUGCCAACA.....	3
.....GGAACCUGCUAUGCCAACAU.....	2
.....GGAACCUGCUAUGCCAACAUAU.....	2
.....GGAACCUGCUAUGCCAACAUAUU.....	23
.....GGAACCUGCUAUGCCAACAUAUUG.....	3
.....GGAACCUGCUAUGCCAACAUAUUGCC.....	8
.....GAACCUGCUAUGCCAACAUAU.....	4
.....GAACCUGCUAUGCCAACAUAUU.....	20
.....AACCUGCUAUGCCAACAUAU.....	5
.....AACCUGCUAUGCCAACAUAUU.....	20
.....AACCUGCUAUGCCAACAUAUUGCCA.....	6
.....AACCUGCUAUGCCAACAUAUUGCCAU.....	3
.....AACCUGCUAUGCCAACAUAUUGCCAUU.....	5
.....ACCUGCUAUGCCAACAUAU.....	2
.....ACCUGCUAUGCCAACAUAUU.....	24
.....ACCUGCUAUGCCAACAUAUUG.....	2
.....ACCUGCUAUGCCAACAUAUUGCC.....	7
.....ACCUGCUAUGCCAACAUAUUGCCAU.....	5
.....ACCUGCUAUGCCAACAUAUUGCCAUU.....	4
.....ACCUGCUAUGCCAACAUAUUGCCAUUU.....	2
.....CCUGCUAUGCCAACAUA.....	2
.....CCUGCUAUGCCAACAUA.....	2
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.....CCUGCUAUGCCAACAUAUUGCC.....	3
.....CCUGCUAUGCCAACAUAUUGCCA.....	2
.....CCUGCUAUGCCAACAUAUUGCCAUU.....	5
.....CCUGCUAUGCCAACAUAUUGCCAUUU.....	9
.....CCUGCUAUGCCAACAUAUUGCCAUUUU.....	8
.....CUGCUAUGCCAACAUAU.....	8
.....CUGCUAUGCCAACAUAUU.....	53
.....CUGCUAUGCCAACAUAUUGC.....	4
.....CUGCUAUGCCAACAUAUUGCC.....	2
.....CUGCUAUGCCAACAUAUUGCCA.....	9
.....CUGCUAUGCCAACAUAUUGCCAU.....	25
.....CUGCUAUGCCAACAUAUUGCCAUU.....	10
.....CUGCUAUGCCAACAUAUUGCCAUUU.....	23

.....CUGCUAUGCCAACAUAUUGCCAUUUU.	22
.....CUGCUAUGCCAACAUAUUGCCAUUUUU	12
.....UGCUAUGCCAACAUAU.....	7
.....UGCUAUGCCAACAUAUU.....	19
.....UGCUAUGCCAACAUAUUG.....	10
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.....UGCUAUGCCAACAUAUUGCCA.....	173
.....UGCUAUGCCAACAUAUUGCCA.....	857
.....UGCUAUGCCAACAUAUUGCCA.....	3649
.....UGCUAUGCCAACAUAUUGCCA.....	633
.....UGCUAUGCCAACAUAUUGCCA.....	65
.....UGCUAUGCCAACAUAUUGCCA.....	4
.....GCUAUGCCAACAUAUU.....	3
.....GCUAUGCCAACAUAUUGC.....	28
.....GCUAUGCCAACAUAUUGCC.....	53
.....GCUAUGCCAACAUAUUGCCA.....	37
.....GCUAUGCCAACAUAUUGCCA.....	127
.....GCUAUGCCAACAUAUUGCCA.....	744
.....GCUAUGCCAACAUAUUGCCA.....	223
.....GCUAUGCCAACAUAUUGCCA.....	53
.....GCUAUGCCAACAUAUUGCCA.....	13
.....CUAUGCCAACAUAUUGC.....	32
.....CUAUGCCAACAUAUUGCC.....	39
.....CUAUGCCAACAUAUUGCCA.....	24
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.....CUAUGCCAACAUAUUGCCA.....	1217
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.....AUGCCAACAUAUUGCCA.....	8
.....UGCCAACAUAUUGCCA.....	6
.....UGCCAACAUAUUGCCA.....	13



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.....UGCCAACAUAUUGCCAUUUUU	2
.....GCCAACAUAUUGCCAU....	3
.....GCCAACAUAUUGCCAU... .	7
.....GCCAACAUAUUGCCAUUU..	11
.....GCCAACAUAUUGCCAUUUU.	11
.....CCAACAUAUUGCCAU... .	6
.....CCAACAUAUUGCCAUUU..	5
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.....CAACAUAUUGCCAUUUU.	10
.....CAACAUAUUGCCAUUUUU	2
.....AACAUUUGCCAUUUU.	5

**#v45 pHIPPY PGL3 hU6 promoter**

UUUAUAUAUCUUGGCUAGCGUCUCAAAAAGAGCUGUUUCUGAGGAGCCUUUUU

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.....AAAAGAGCUGUUUCUG.....	2
.....AAAAGAGCUGUUUCUGAGGAGCCUUU..	5
.....AAAAGAGCUGUUUCUGAGGAGCCUUUU.	19
.....AAAGAGCUGUUUCUGAGGA.....	2
.....AAAGAGCUGUUUCUGAGGAG.....	3
.....AAAGAGCUGUUUCUGAGGAGC.....	2
.....AAAGAGCUGUUUCUGAGGAGCCU....	2
.....AAAGAGCUGUUUCUGAGGAGCCUU... .	6
.....AAAGAGCUGUUUCUGAGGAGCCUUU..	54
.....AAAGAGCUGUUUCUGAGGAGCCUUUU.	21
.....AAGAGCUGUUUCUGAGGA.....	6
.....AAGAGCUGUUUCUGAGGAG.....	6
.....AAGAGCUGUUUCUGAGGAGC.....	10
.....AAGAGCUGUUUCUGAGGAGCC.....	5
.....AAGAGCUGUUUCUGAGGAGCCU....	6
.....AAGAGCUGUUUCUGAGGAGCCUU... .	99
.....AAGAGCUGUUUCUGAGGAGCCUUU..	264
.....AAGAGCUGUUUCUGAGGAGCCUUUU.	246
.....AAGAGCUGUUUCUGAGGAGCCUUUUU	47
.....AGAGCUGUUUCUGAGG.....	32
.....AGAGCUGUUUCUGAGGA.....	96
.....AGAGCUGUUUCUGAGGAG.....	206
.....AGAGCUGUUUCUGAGGAGC.....	237
.....AGAGCUGUUUCUGAGGAGCC.....	170
.....AGAGCUGUUUCUGAGGAGCCU....	444
.....AGAGCUGUUUCUGAGGAGCCUU... .	1531
.....AGAGCUGUUUCUGAGGAGCCUUU..	7769
.....AGAGCUGUUUCUGAGGAGCCUUUU.	3452
.....AGAGCUGUUUCUGAGGAGCCUUUUU	705

.....GAGCUGUUUCUGAGGA.....	598
.....GAGCUGUUUCUGAGGAG.....	992
.....GAGCUGUUUCUGAGGAGC.....	1408
.....GAGCUGUUUCUGAGGAGCC.....	1374
.....GAGCUGUUUCUGAGGAGCCU....	1684
.....GAGCUGUUUCUGAGGAGCCUU...	9087
.....GAGCUGUUUCUGAGGAGCCUUU..	36929
.....GAGCUGUUUCUGAGGAGCCUUUU.	15200
.....GAGCUGUUUCUGAGGAGCCUUUUU	4858
.....AGCUGUUUCUGAGGAG.....	49
.....AGCUGUUUCUGAGGAGC.....	66
.....AGCUGUUUCUGAGGAGCC.....	83
.....AGCUGUUUCUGAGGAGCCU....	138
.....AGCUGUUUCUGAGGAGCCUU...	897
.....AGCUGUUUCUGAGGAGCCUUU..	4690
.....AGCUGUUUCUGAGGAGCCUUUU.	1975
.....AGCUGUUUCUGAGGAGCCUUUUU	474
.....GCUGUUUCUGAGGAGC.....	132
.....GCUGUUUCUGAGGAGCC.....	66
.....GCUGUUUCUGAGGAGCCU....	87
.....GCUGUUUCUGAGGAGCCUU...	306
.....GCUGUUUCUGAGGAGCCUUU..	1642
.....GCUGUUUCUGAGGAGCCUUUU.	933
.....GCUGUUUCUGAGGAGCCUUUUU	421
.....CUGUUUCUGAGGAGCC.....	271
.....CUGUUUCUGAGGAGCCU....	16
.....CUGUUUCUGAGGAGCCUU...	41
.....CUGUUUCUGAGGAGCCUUU..	244
.....CUGUUUCUGAGGAGCCUUUU.	248
.....CUGUUUCUGAGGAGCCUUUUU	35
.....UGUUUCUGAGGAGCCU....	55
.....UGUUUCUGAGGAGCCUU...	131
.....UGUUUCUGAGGAGCCUUU..	697
.....UGUUUCUGAGGAGCCUUUU.	754
.....UGUUUCUGAGGAGCCUUUUU	107
.....GUUUCUGAGGAGCCUU....	79
.....GUUUCUGAGGAGCCUUU..	463
.....GUUUCUGAGGAGCCUUUU.	505
.....GUUUCUGAGGAGCCUUUUU	71
.....UUUCUGAGGAGCCUUU..	289
.....UUUCUGAGGAGCCUUUU.	261
.....UUUCUGAGGAGCCUUUUU	46
.....UUCUGAGGAGCCUUUU.	480
.....UUCUGAGGAGCCUUUUU	93
.....UCUGAGGAGCCUUUUU	29

#V45 PHIPPY PGL3 hH1 promoter

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.....AAAAAGGCUCCUCAGAAACAGC.....	11
.....AAAAAGGCUCCUCAGAAACAGCUC.....	3
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.....AAAAAGGCUCCUCAGAAACAGCUCUUU.....	820
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.....AAAAGGCUCCUCAGAAACAG.....	33
.....AAAAGGCUCCUCAGAAACAGC.....	32
.....AAAAGGCUCCUCAGAAACAGCU.....	88
.....AAAAGGCUCCUCAGAAACAGCUC.....	24
.....AAAAGGCUCCUCAGAAACAGCUCU.....	249
.....AAAAGGCUCCUCAGAAACAGCUCUU.....	669
.....AAAAGGCUCCUCAGAAACAGCUCUUU.....	3835
.....AAAAGGCUCCUCAGAAACAGCUCUUUU.....	1371
.....AAAGGCUCCUCAGAAAC.....	7
.....AAAGGCUCCUCAGAAACA.....	11
.....AAAGGCUCCUCAGAAACAG.....	106
.....AAAGGCUCCUCAGAAACAGC.....	102
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.....AAAGGCUCCUCAGAAACAGCUC.....	763
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.....AAAGGCUCCUCAGAAACAGCUCUUUUU.....	328
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.....AAGGCUCCUCAGAAACA.....	9
.....AAGGCUCCUCAGAAACAG.....	55
.....AAGGCUCCUCAGAAACAGC.....	34
.....AAGGCUCCUCAGAAACAGCU.....	110
.....AAGGCUCCUCAGAAACAGCUC.....	161
.....AAGGCUCCUCAGAAACAGCUCU.....	1825
.....AAGGCUCCUCAGAAACAGCUCUU.....	3703
.....AAGGCUCCUCAGAAACAGCUCUUU.....	7175
.....AAGGCUCCUCAGAAACAGCUCUUUU.....	2021
.....AAGGCUCCUCAGAAACAGCUCUUUUU.....	271
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.....AGGCUCCUCAGAAACAGCU.....	416
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.....AGGCUCCUCAGAAACAGCUCU.....	18228

.....AGGCUCCUCAGAAACAGCUCUU...	18313
.....AGGCUCCUCAGAAACAGCUCUUU..	35084
.....AGGCUCCUCAGAAACAGCUCUUUU..	10078
.....AGGCUCCUCAGAAACAGCUCUUUUU	1748
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.....GGCUCCUCAGAAACAGCU.....	80
.....GGCUCCUCAGAAACAGCUC.....	249
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.....GGCUCCUCAGAAACAGCUCUU...	2843
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.....GGCUCCUCAGAAACAGCUCUUUU..	1746
.....GGCUCCUCAGAAACAGCUCUUUUU	342
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.....GCUCCUCAGAAACAGCU.....	3
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.....GCUCCUCAGAAACAGCUCU....	64
.....GCUCCUCAGAAACAGCUCUU...	87
.....GCUCCUCAGAAACAGCUCUUU..	335
.....GCUCCUCAGAAACAGCUCUUUU..	140
.....GCUCCUCAGAAACAGCUCUUUUU	18
.....CUCCUCAGAAACAGCUC.....	4
.....CUCCUCAGAAACAGCUCU....	47
.....CUCCUCAGAAACAGCUCUU...	73
.....CUCCUCAGAAACAGCUCUUU..	150
.....CUCCUCAGAAACAGCUCUUUU..	123
.....CUCCUCAGAAACAGCUCUUUUU	99
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.....UCCUCAGAAACAGCUCUUUUU	13
.....CCUCAGAAACAGCUCU....	45
.....CCUCAGAAACAGCUCUU...	34
.....CCUCAGAAACAGCUCUUU..	103
.....CCUCAGAAACAGCUCUUUU..	47
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.....CUCAGAAACAGCUCUU...	59
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.....CUCAGAAACAGCUCUUUU..	49
.....CUCAGAAACAGCUCUUUUU	5
.....UCAGAAACAGCUCUUU..	145
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.....UCAGAAACAGCUCUUUUU	5
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.....CAGAAACAGCUCUUUU..	88

.....CAGAAACAGCUCUUUUU 7  
 .....AGAAACAGCUCUUUUU 8

**#shp53 pLKO.1 puro**

GGACGAAACACCGACUCCAGUGGUAUAUCUACUUCUACAAGAGAGUAGAUUACCACUGGAGUCUUUUU

\*\*\*\*\*GACUCCAGUGGUAUAUCUACUUC\*\*\*\*\*AGUAGAUUACCACUGGAGUCUU\*\*\*

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 .....CGACUCCAGUGGUAUAUCUACUU..... 14  
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 .....GACUCCAGUGGUAUAUCUAC..... 564  
 .....GACUCCAGUGGUAUAUCUACU..... 554  
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 .....GACUCCAGUGGUAUAUCUACUUCAA..... 24  
 .....GACUCCAGUGGUAUAUCUACUUCUACAAG..... 20  
 .....GACUCCAGUGGUAUAUCUACUUCUACAAGA..... 26  
 .....GACUCCAGUGGUAUAUCUACUUCUACAAGAG..... 10  
 .....ACUCCAGUGGUAUAUCUAC..... 9  
 .....ACUCCAGUGGUAUAUCUACU..... 5  
 .....ACUCCAGUGGUAUAUCUACUU..... 3  
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.....UACUUCAAGAGAGUAGAU.....	7
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.....ACUUCAAGAGAGUAGAUU.....	2
.....CUUCAAGAGAGUAGAU.....	38
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.....CUUCAAGAGAGUAGAUUA.....	5
.....CUUCAAGAGAGUAGAUUAC.....	9
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.....UUCAAGAGAGUAGAUUACCACUGGAG.....	12
.....UUCAAGAGAGUAGAUUACCACUGGAGU.....	4
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.....UCAAGAGAGUAGAUUACC.....	4
.....UCAAGAGAGUAGAUUACCACU.....	3
.....UCAAGAGAGUAGAUUACCACUG.....	8
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.....UCAAGAGAGUAGAUUACCACUGGA.....	11
.....UCAAGAGAGUAGAUUACCACUGGAG.....	8
.....UCAAGAGAGUAGAUUACCACUGGAGU.....	3
.....CAAGAGAGUAGAUUACCACUG.....	3
.....CAAGAGAGUAGAUUACCACUGGA.....	3
.....CAAGAGAGUAGAUUACCACUGGAGU.....	2
.....CAAGAGAGUAGAUUACCACUGGAGUCU.....	11
.....AAGAGAGUAGAUUACCA.....	4
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.....GAGAGUAGAUUACCACUGGAGUCUUUU..	2
.....AGAGUAGAUUACCACUGG.....	2
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.....AGAGUAGAUUACCACUGGAG.....	3
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.....AGAGUAGAUUACCACUGGAGUC.....	2
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.....GAGUAGAUUACCACUG.....	3
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.....AGAUUACCACUGGAGUCUUUUU	2
.....GAUUACCACUGGAGUC.....	2
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**#shp63alpha pLKO.1**

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.....CGGCCGUUUCGUCAGAACACACA.....	11
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.....GGCCGUUUCGUCAGAAC.....	131
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.....GGCCGUUUCGUCAGAACAC.....	170
.....GGCCGUUUCGUCAGAACACA.....	303
.....GGCCGUUUCGUCAGAACACAC.....	3723
.....GGCCGUUUCGUCAGAACACACA.....	5820
.....GGCCGUUUCGUCAGAACACACAUC.....	162
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.....GGCCGUUUCGUCAGAACACACAUCU.....	21
.....GGCCGUUUCGUCAGAACACACAUCUC.....	4
.....GGCCGUUUCGUCAGAACACACAUCUCG.....	4
.....GCCGUUUCGUCAGAAC.....	3
.....GCCGUUUCGUCAGAAC.....	3
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.....CGUUUCGUCAGAACACACA.....	49
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.....AUUGUACUCCAGCUUGUGCCUUU.....	47
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.....UUGUACUCCAGCUUGUG.....	7
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.....UGUACUCCAGCUUGUGCCUUU.....	2046
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.....GUACUCCAGCUUGUGCC.....	2
.....GUACUCCAGCUUGUGCCU.....	18
.....GUACUCCAGCUUGUGCCUU.....	68
.....GUACUCCAGCUUGUGCCUUU.....	214
.....GUACUCCAGCUUGUGCCUUUU..	83
.....GUACUCCAGCUUGUGCCUUUUU.	31
.....GUACUCCAGCUUGUGCCUUUUUA	2
.....UACUCCAGCUUGUGCC.....	2
.....UACUCCAGCUUGUGCCU.....	3
.....UACUCCAGCUUGUGCCUU.....	17
.....UACUCCAGCUUGUGCCUUU.....	38
.....UACUCCAGCUUGUGCCUUUU..	36
.....UACUCCAGCUUGUGCCUUUUU.	50
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.....ACUCCAGCUUGUGCCUU.....	46
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.....CUCCAGCUUGUGCCUUUU..	6
.....CUCCAGCUUGUGCCUUUUU.	2
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.....CCAGCUUGUGCCUUUUU.	3
.....CAGCUUGUGCCUUUUU.	4

**#pSUPER macroH2A1**

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.....GGGUGCAGACAAAUGUGA.....	167
.....GGGUGCAGACAAAUGUGAA.....	671
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.....GGGUGCAGACAAAUGUGAAUU.....	132
.....GGGUGCAGACAAAUGUGAAUUC.....	50
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.....CAUUUGUCUGCACCCUU.....	126
.....CAUUUGUCUGCACCCUUU...	67
.....CAUUUGUCUGCACCCUUUU..	11
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.....AUUUGUCUGCACCCUUU...	188
.....AUUUGUCUGCACCCUUUU..	26
.....AUUUGUCUGCACCCUUUUU.	8
.....UUUGUCUGCACCCUUU.....	74
.....UUUGUCUGCACCCUUUU..	4
.....UUUGUCUGCACCCUUUUU.	2
.....UUGUCUGCACCCUUUU..	16
.....UUGUCUGCACCCUUUUU.	2

**#pSUPER Scr with original H1 promoter**

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.....CCCGCGAAAGAUGAUAA.....	15
.....CCCGCGAAAGAUGAUAG.....	64

.....CCGCGAAAGAUGAUAAAGC.....	65
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.....CCGCGAAAGAUGAUAAAGCUA.....	332
.....CCGCGAAAGAUGAUAAAGCUAA.....	1542
.....CCGCGAAAGAUGAUAAAGCUAAU.....	487
.....CCGCGAAAGAUGAUAAAGCUAAUU.....	214
.....CCGCGAAAGAUGAUAAAGCUAAUUC.....	26
.....CCGCGAAAGAUGAUAAAGCUAAUUCA.....	5
.....CCGCGAAAGAUGAUAAAGCUAAUUCAA.....	2
.....CCGCGAAAGAUGAUAAA.....	10
.....CCGCGAAAGAUGAUAAAG.....	51
.....CCGCGAAAGAUGAUAAAGC.....	56
.....CCGCGAAAGAUGAUAAAGCU.....	66
.....CCGCGAAAGAUGAUAAAGCUA.....	141
.....CCGCGAAAGAUGAUAAAGCUAA.....	529
.....CCGCGAAAGAUGAUAAAGCUAAU.....	2059
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.....CCGCGAAAGAUGAUAAAGCUAAUUC.....	18
.....CCGCGAAAGAUGAUAAAGCUAAUUCA.....	15
.....CCGCGAAAGAUGAUAAAGCUAAUUCAA.....	2
.....CCGCGAAAGAUGAUAAAGCUAAUUCAAG.....	2
.....CGCGAAAGAUGAUAAAG.....	28
.....CGCGAAAGAUGAUAAAGC.....	21
.....CGCGAAAGAUGAUAAAGCU.....	52
.....CGCGAAAGAUGAUAAAGCUA.....	123
.....CGCGAAAGAUGAUAAAGCUAA.....	271
.....CGCGAAAGAUGAUAAAGCUAAU.....	589
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.....CGCGAAAGAUGAUAAAGCUAAUUCA.....	16
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.....GCGAAAGAUGAUAAAGCUAAUUCAAGAG.....	45
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.....CGAAAGAUGAUAAAGCU.....	11

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.....CGAAAGAUGAUAAGCUAAUUC.....	51
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#pSUPER GFP with original H1 promoter



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.....UACUCCAGCUUGUGCCUUUUUA	3
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.....ACUCCAGCUUGUGCCUU....	102

.....ACUCCAGCUUGUGCCUUU...	107
.....ACUCCAGCUUGUGCCUUUU..	29
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.....UCCAGCUUGUGCCUUU...	59
.....UCCAGCUUGUGCCUUUU..	18
.....UCCAGCUUGUGCCUUUUU.	4
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.....CAGCUUGUGCCUUUUU.	8

**#pSUPER macroH2A1 with original H1 promoter**

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.....CCCGGGUGCAGACAAAUGUGAAU.....	281
.....CCCGGGUGCAGACAAAUGUGAAUU.....	47
.....CCCGGGUGCAGACAAAUGUGAAUUC.....	11
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.....CCCGGGUGCAGACAAAUGUGAAUUCAAG.....	2
.....CCGGGUGCAGACAAAU.....	83
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.....CAUUUGUCUGCACCCUUUUU.	6

.....AUUUGUCUGCACCCUU.....	818
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.....AUUUGUCUGCACCCUUUU..	69
.....AUUUGUCUGCACCCUUUUU..	6
.....UUUGUCUGCACCCUUU..	211
.....UUUGUCUGCACCCUUUU..	28
.....UUUGUCUGCACCCUUUUU..	5
.....UUGUCUGCACCCUUUU..	33
.....UUGUCUGCACCCUUUUU..	12
.....UGUCUGCACCCUUUUU..	2

**#pri-miR-155**

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...GUUAAUGCUAAUCGUGAUAGGGGUUU.....	5
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...UUA AUGCUAAUCGUGAUAGGGGUUUU.....	1031
...UUA AUGCUAAUCGUGAUAGGGGUUUUU.....	163
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...UAAUGCUAAUCGUGAUAGGG.....	37
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...UAAUGCUAAUCGUGAUAGGGGU.....	254
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...UAAUGCUAAUCGUGAUAGGGGUUU.....	189
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...AAUGCUAAUCGUGAUAGG.....	5
...AAUGCUAAUCGUGAUAGGG.....	10
...AAUGCUAAUCGUGAUAGGGG.....	22
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...AAUGCUAAUCGUGAUAGGGGUU.....	276
...AAUGCUAAUCGUGAUAGGGGUUU.....	61



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**#hsa-Pri-miR-223**

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