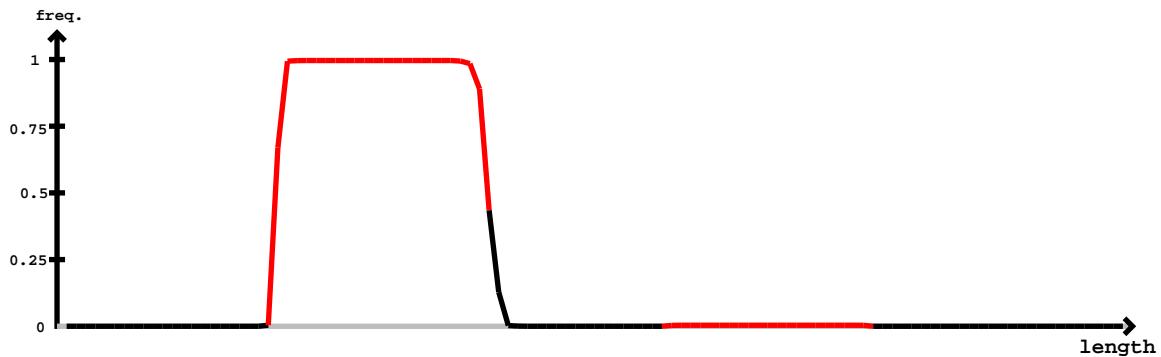
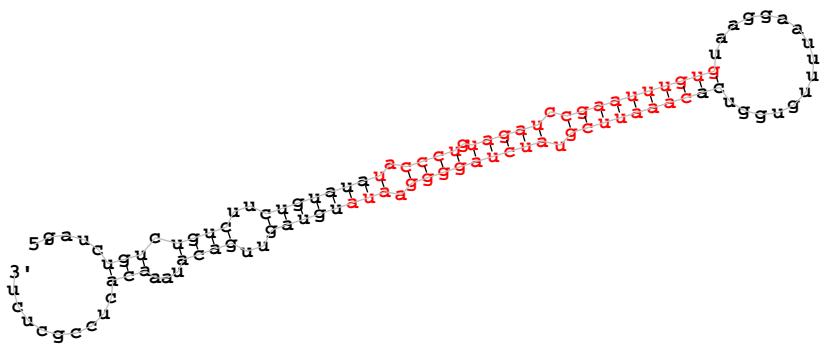


```
miRBase precursor      : hsa-mir-10a
Total read count       : 5245
hsa-miR-10a-5p read count : 5225
hsa-miR-10a-3p read count : 20
remaining reads        : 0
```



hsa-miR-10a-3p

hsa-miR-10a-5p

.....uacccuguGgauccggaaauuugug.....	1	1
.....uGcccuguagauccggaaauuugug.....	2	1
.....uacccuguagauccggaaGuugug.....	1	1
.....uCccuguagauccggaaauuugug.....	1	1
.....uacccuguagaucccgaaGuuugug.....	3	1
.....uacccuguagauccggaaauuugug.....	114	0
.....uacccuguagauccggaaGuuugug.....	19	1
.....uacccuguagauccggaaauuugugA.....	8	1
.....uacccuguagauccggaaauuugugu.....	29	0
.....uacccuguagauccggaaauuugugA.....	23	1
.....uacccuguagauccggaaauuugug.....	2	1
.....accuguagauccggaaauuug.....	13	0
.....accuguagauccggaaauuugu.....	81	0
.....accuguagauccggaaauuuAu.....	2	1
.....accugCagauccggaaauuugu.....	1	1
.....accuguagauccggaaauuugA.....	3	1
.....acGcuguagauccggaaauuugu.....	1	1
.....accuguagauccggaaauuugC.....	7	1
.....accuguGgauccggaaauuugu.....	1	1
.....accuguagauccggaaCuugu.....	2	1
.....Gcccuuguagauccggaaauuugug.....	1	1
.....accuguagauccggaaauuuguA.....	9	1
.....accugAaguguaccggaaauuugug.....	1	1
.....accuguagauccggaaauuugug.....	83	0
.....accugCagauccggaaauuugug.....	1	1
.....accuguGgauccggaaauuugug.....	1	1
.....accuguagauccggaaauuugug.....	9	1
.....accuguagauccggaaauuugug.....	2	1
.....accuguagauccggaaCuugug.....	2	1
.....accuguGgauccggaaauuugug.....	1	1
.....accuguagauccggaaauuugug.....	1	1
.....accuguagauccggaaauuugug.....	1	1
.....accuguagauccggaaauuugug.....	2	1
.....accuguagauccggaaauuugug.....	9	1
.....accuguagauccggaaauuugugU.....	2	1
.....accuguagaugAucggaaauuugugu.....	25	0
.....accuguagauccggaaauuugug.....	14	1
.....accuguagauccggaaauuugugA.....	56	1
.....accuguagauccggaaauuugugu.....	1	1
.....accugCagauccggaaauuugugu.....	2	1
.....accuguagGuccggaaauuugugu.....	2	1
.....accuguagauccggaaauuugugu.....	1	1
.....accuguagauccggaaauuugugAa.....	1	1
.....cccuguagauccggaaauuugugA.....	1	1
.....caaaauucguaucuaggggaa.....	3	0
.....aaaauucguaucuaggggaa.....	1	0
.....auacccuguagauccggaaauuGg.....	1	1
.....auacccuguagauccggaaauuug.....	1	0
.....auacccuguagauccggaaauuugu.....	8	0
.....auacccuguagauccggaaauuugG.....	2	1
.....auacccuguagauccggaaauuugC.....	1	1
.....auacccuguagauccggaaauuugu.....	8	0
.....auacccuguagauccggaaauuugug.....	2	0
.....auaccCguagauccggaaauuugugu.....	1	1
.....uacccuguagauccggaaauuu.....	25	0
.....uacccuguagauccggaaauu.....	25	0
.....uacccuguagauccggaaauu.....	25	0
.....uacccuguagauccggaaauuC.....	1	1
.....uacccAguguagauccggaaauuug.....	1	1
.....uacccuguaguUccggaaauuug.....	1	1
.....uacccuguGgauccggaaauuug.....	1	1
.....uacccugCagauccggaaauuug.....	1	1
.....uaccAuguagauccggaaauuug.....	1	1
.....uacccuguagauccggaaGuug.....	1	1
.....uacccuguagaCcggaaauuug.....	1	1
.....Aaccuguagauccggaaauuug.....	1	1
.....uaccCguagauccggaaauuug.....	3	1
.....uGcccuuguagauccggaaauuug.....	1	1
.....Caccuguagauccggaaauuug.....	1	1

hsa-miR-10a-3p

hsa-miR-10a-5p

.....uacccuguagauccgaaaaGg.....	2	1	GDM
.....uacccuguagauccgaaaaA.....	7	1	GDM
.....uacccuguagauccgaaaa.....	2	1	GDM
.....uacccuguAAauccgaaaaug.....	1	1	GDM
.....uacccuguagauccgaaauGug.....	1	1	GDM
.....uacccuguagauccgaaauuA.....	7	1	GDM
.....uacccuguagauccgaaauug.....	193	0	GDM
.....uacccuguagauccgaaauuA.....	7	1	GDM
.....uacccuguagauccgaaaaug.....	193	0	GDM
.....uacccuguagauccgaaaaCg.....	1	1	GDM
.....uacccuguagauccgaaaaug.....	193	0	GDM
.....uacccGguagauccgaaaaug.....	3	1	GDM
.....uacccuguagauccGauuuug.....	2	1	GDM
.....uacUcuguagauccgaaaaug.....	1	1	GDM
.....uacccuguagauccgaaaa.....	1	1	GDM
.....uacccuguagauccgaaaaAu.....	3	1	GDM
.....uacccAguguagauccgaaaaugu.....	1	1	GDM
.....uacccuguagauccgaaaaGuuugu.....	4	1	GDM
.....uacccuguagauccgaaaauggu.....	658	0	GDM
.....uacccuguagauccgaaaaCgu.....	6	1	GDM
.....Cacccuguagauccgaaaauggu.....	3	1	GDM
.....uacccuguagauccAAaaauggu.....	2	1	GDM
.....uacccuguagauccgaaaauggu.....	658	0	GDM
.....uacccGguagauccgaaaauggu.....	1	1	GDM
.....uacccuguagauccAaaauggu.....	2	1	GDM
.....uacccuguagauccgaaaaAgu.....	3	1	GDM
.....uacccuguagauccgaaaaAugu.....	1	1	GDM
.....uacccuguagauccgaaaauggC.....	58	1	GDM
.....uacccuguagauccgaaaAuugu.....	1	1	GDM
.....uacccuguagauccgaaaaGuuugu.....	4	1	GDM
.....uaccUuguagauccgaaaauggu.....	5	1	GDM
.....uacccuguagauccgaaaauggC.....	58	1	GDM
.....uCccuguagauccgaaaauggu.....	1	1	GDM
.....uacccuguagauccgaaaaAu.....	3	1	GDM
.....uacccuguagaCcggaaaauggu.....	3	1	GDM
.....uacccuguagauAcggaaaauggu.....	1	1	GDM
.....uacccuguagauccGauuuugu.....	47	1	GDM
.....uacccuguagauccgaaaaGuuugu.....	4	1	GDM
.....uacccuguagGuccgaaaauggu.....	1	1	GDM
.....uacccuguagauUcgaaaauggu.....	1	1	GDM
.....uacccuguagauccgaaaaCgu.....	6	1	GDM
.....uacccuguagauccGauuuugu.....	47	1	GDM
.....uacccuguagaCcggaaaauggu.....	3	1	GDM
.....uaccCguagauccgaaaauggu.....	7	1	GDM
.....uGccuguagauccgaaaauggu.....	2	1	GDM
.....uacccuguUgaucCcggaaaauggu.....	1	1	GDM
.....uacccuguagauUcgaaaauggu.....	1	1	GDM
.....Cacccuguagauccgaaaauggu.....	3	1	GDM
.....uacccuguGGauccgaaaauggu.....	2	1	GDM
.....uacccuguagauccgaaaauggG.....	3	1	GDM
.....uacccuguagauccgaaaauggG.....	3	1	GDM
.....uacccCguagauccgaaaauggu.....	7	1	GDM
.....uacccuguagauccGauuuugu.....	47	1	GDM
.....uacccuguagauccgaaaauggA.....	39	1	GDM
.....uacccuguagauccgaaaauggA.....	39	1	GDM
.....uacccuguagauccgaaaauggC.....	58	1	GDM
.....uacccuguagaCcggaaaauggu.....	2	1	GDM
.....uacccuguagauccgaaaauggA.....	39	1	GDM
.....uacccuAuugaucCcggaaaauggu.....	1	1	GDM
.....uacccuguagauccgaaaauggu.....	658	0	GDM
.....uacccuguagauccgaaaAuugu.....	2	1	GDM
.....uacccuguagauccgaaaAuugu.....	2	1	GDM
.....uaUccuguagauccgaaaauggug.....	1	1	GDM
.....uacccCguagauccgaaaauggug.....	1	1	GDM
.....uacccuguUAuucCcggaaaauggug.....	1	1	GDM
.....uacUcuguagauccgaaaauggug.....	1	1	GDM
.....uacccuguagauccgaaaUugug.....	2	1	GDM
.....uacccuguagauUcgaaaauggug.....	2	1	GDM
.....uacccuguagaCcggaaaauggug.....	4	1	GDM

hsa-miR-10a-3p

hsa-miR-10a-5p

gaucugucuggcuucuguaua**uaccc**cuguagauccgaauuugguaggaauuuuguggguca**aaa**uucguacuuaggggaa**aua**uguaguugacauaaacaccucccgcuc

.....uacccuguagauccgaaauuuuguA.....	26	1
.....uacccuguGgaucgcgaaauuuugug.....	2	1
.....uacccuguagaucgcgaaauuuugug.....	277	0
.....uacccuguagaCccgaaauuuugug.....	4	1
.....Gacccuguagaucgcgaaauuuugug.....	3	1
.....uacccuguagaucgcgaaauuuugugU.....	6	1
.....uacccuguagaucgcgGuuugug.....	1	1
.....uacccuguagaucgcgGauuuugug.....	29	1
.....uacccuguagaCccgaaauuuugug.....	4	1
.....uacccuguagaucgcgaaauuuCug.....	2	1
.....uacccuguagaucgcgaaauuuuguA.....	26	1
.....Cacccuguagaucgcgaaauuuugug.....	3	1
.....uacccuguagaucgcgaaauuuugug.....	277	0
.....uacccuguagaucgcgaaauuuuguU.....	6	1
.....uacccuguagaucgcgaaauuuuguU.....	6	1
.....uacccuguagaucgcgaaauuuugG.....	25	1
.....uacccuguagaucgcgGauuuugug.....	29	1
.....uacccuguagaucgcgaaauuuugug.....	277	0
.....uacccuguagaucgcgGauuuugug.....	29	1
.....uacccuguagaucgcgaaauuuuguA.....	26	1
.....uacccuguagaucgcgUauuuugug.....	1	1
.....Gacccuguagaucgcgaaauuuugug.....	1	1
.....uacccuguagaucgcgaaauuuugCg.....	1	1
.....uacccuguagaucgcgaaauuuCug.....	2	1
.....Aacccuguagaucgcgaaauuuugug.....	1	1
.....uGcccuguagaucgcgaaauuuugug.....	2	1
.....uacccCguagaucgcgaaauuuugug.....	1	1
.....uacccuguagaucgcgaaauuuugugu.....	61	0
.....uacccuguagaucgcgGuuugugu.....	3	1
.....uacccuguagaucgcgaaauuuugug.....	4	1
.....uacccuguagaucgcgaaauuuugugA.....	29	1
.....Cacccuguagaucgcgaaauuuugugu.....	1	1
.....uacccuguagaucgcgaaauuuugugu.....	61	0
.....uacccuguagaucgcgaaauuuugugu.....	1	1
.....uacccAguagaucgcgaaauuuugugu.....	1	1
.....uacccuguagaucgcgGuuugugu.....	3	1
.....uacccuguagaucgcgaaauuuugugA.....	29	1
.....uacccuguagaucgcgaaauuuugugu.....	61	0
.....uacccuguagaucgcgaaauuuugug.....	4	1
.....uacccuguagaucgcgaaauuuugugA.....	29	1
.....uacAcuguagaucgcgaaauuuugugu.....	1	1
.....uacccuguagaucgcgaaauuuuguguU.....	1	1
.....accceuugaucgcgaaau.....	2	0
.....accceuugaucgcgaaauu.....	3	0
.....accceuugaucgcgaaauu.....	3	0
.....accceuugaucgcgaaauuug.....	50	0
.....accceuugaCccgaaauuug.....	1	1
.....accceuugaucgcgaaauuA.....	5	1
.....accceuUGauucgcgaaauuug.....	1	1
.....accceuugaucgcgaaauuA.....	5	1
.....accceuugaucgcgaaauuug.....	50	0
.....accceuugaucgcgaaauuug.....	50	0
.....accceuCagauucgcgaaauuug.....	1	1
.....accceuugaucgcgaaauCug.....	1	1
.....accceuugaucgcgaaauuugu.....	173	0
.....accceuAguagaucgcgaaauuugu.....	1	1
.....accceuugaucgcgGauuuugu.....	8	1
.....accceuugaucgcgaaauuCgu.....	1	1
.....accCguagaucgcgaaauuugu.....	1	1
.....accceuugaucgcgaaauuugC.....	14	1
.....accceuuguGauucgcgaaauuugu.....	2	1
.....accceuugaucgcgGauuuugu.....	8	1
.....accceuugGuccgcgaaauuugu.....	2	1
.....accceuugaucgcgaaauuugA.....	3	1
.....accceuugaucgcgaaauuugu.....	173	0
.....accceuugaucgcgaaauuugC.....	14	1
.....accceuugaucgcgaaauuugu.....	173	0
.....accceuugaucgcgGauuuugu.....	8	1
.....accceuquiaucgcgaaauuA.....	3	1

hsa-miR-10a-3p

hsa-miR-10a-5p

gaucugucugucuuucuguaauacccuguagauccgauuuuguguagggaauuuugugguc**ca**aauucguuucuuagggggaauugugacaaacaccuccgccuc

hsa-miR-10a-3p

hsa-miR-10a-5p

.....uacccugCagaucggaaaaauug.....	1	1	z2_
.....uacccuguagaucccgGuuuugu.....	2	1	z2_
.....uacccuguagaucccgaaaaugC.....	39	1	z2_
.....uGcccuuguagaucccgaaaaugu.....	1	1	z2_
.....uacccuguagaucccgaaaaugA.....	14	1	z2_
.....uacccuguagaucccgaaaAugu.....	1	1	z2_
.....uacccuguagGuccgaaaaugu.....	3	1	z2_
.....uacccuguagaucccgaaaaugu.....	455	0	z2_
.....uacccuguagauccgaaCuugu.....	2	1	z2_
.....uacccCguagaucccgaaaaugu.....	4	1	z2_
.....uaccUuguagaucccgaaaaugu.....	1	1	z2_
.....uacccuguagaucccgaaaaugG.....	5	1	z2_
.....uacccuguUgaucccgaaaaugu.....	1	1	z2_
.....uacccuUuagaucccgaaaaugu.....	1	1	z2_
.....uacccuguagauAcgaaaaugu.....	1	1	z2_
.....uacccuguagaGccgaaaaugu.....	1	1	z2_
.....uacccuguagauccgaaaaugu.....	1	1	z2_
.....uacccuguagauccgaaaaugu.....	1	1	z2_
.....uacccuguagauccgaaaaugu.....	44	1	z2_
.....uacccugCagaucccgaaaaugu.....	1	1	z2_
.....uacccuguagaCcggaaaaugug.....	2	1	z2_
.....uacccuguagauccgGauuugug.....	19	1	z2_
.....uacccuguagauccgaaaaugug.....	193	0	z2_
.....uacccuguagGuccgaaaaugug.....	2	1	z2_
.....uGcccuuguagaucccgaaaaugug.....	1	1	z2_
.....uacccuguagaGccgaaaaugug.....	1	1	z2_
.....Caccuguagaucccgaaaaugug.....	1	1	z2_
.....uacccCguagaucccgaaaaugug.....	1	1	z2_
.....uacccuguagaucccgaaaCugug.....	1	1	z2_
.....uacccuguagaucccgaaaauguA.....	14	1	z2_
.....uUcccuguagaucccgaaaaugug.....	1	1	z2_
.....uacccuguagaucccgaaaaugCg.....	1	1	z2_
.....uGcccuuguagaucccgaaaaugugu.....	3	1	z2_
.....uacccuguagauccgGauiugugu.....	1	1	z2_
.....uacccuguagauccgaaaaugugu.....	37	0	z2_
.....uacccuguagaucccgaaaaugugA.....	23	1	z2_
.....uacccuguagaucccgaaaaugugC.....	5	1	z2_
.....uacccuguagagaCcggaaaaugug.....	1	1	z2_
.....uacccuguagauUgaaaaugugu.....	1	1	z2_
.....uacccuguagaucccgaaaaugugAa.....	1	1	z2_
.....accuguagGuccgaaaaug.....	1	1	z2_
.....accuguagauccgaaaaug.....	41	0	z2_
.....accuguagauccgaaaauA.....	1	1	z2_
.....accuguagauUcgaaaaugu.....	1	1	z2_
.....accuguagGuccgaaaaugu.....	1	1	z2_
.....accuguagauccgaaaaugA.....	2	1	z2_
.....accuguagauccgGauuugu.....	13	1	z2_
.....acccuguagauccgaaaaugC.....	3	1	z2_
.....acccuguGgaucCcggaaaaugu.....	1	1	z2_
.....acccuguagauccgaaaaugu.....	73	0	z2_
.....acccuguagaucccgaaaCugug.....	1	1	z2_
.....acccuguGgaucCcggaaaaugug.....	1	1	z2_
.....acccuAuagaucccgaaaaugug.....	1	1	z2_
.....acccuguagaCcggaaaaugug.....	1	1	z2_
.....acccuguagaucccgaaaCugug.....	9	1	z2_
.....acccuguagaucccgaaaauguA.....	5	1	z2_
.....Gcccuuguagaucccgaaaaugug.....	2	1	z2_
.....acccuguagauccgGauuugug.....	15	1	z2_
.....acccuguagauccgGauiugug.....	1	1	z2_
.....acccuguagauccgaaaaugugU.....	12	1	z2_
.....acUcuguagaucccgaaaaugug.....	2	1	z2_
.....acccuguagGuccgaaaaugug.....	3	1	z2_
.....acccuguagauccgaaaaugug.....	108	0	z2_
.....acccuguagaucccgaaaaugugA.....	38	1	z2_
.....acccuguagaucccgaaaaugugG.....	1	1	z2_
.....acccuguagauccgaaaaugugu.....	42	0	z2_
.....acccuguagaucccgaaaaugugC.....	3	1	z2_
.....acccuguagauccgGauiugugu.....	1	1	z2_
.....Ucccuguagaucccgaaaaugugu.....	2	1	z2_
.....ccccuguagaucccgaaaaugug.....	1	0	z2_

hsa-miR-10a-3p

hsa-miR-10a-5p

gaucugucuggcuucuguaua**uaccc**cuguagauccgaauuugguaggaauuuuguggguca**aaa**uucguacuuaggggaa**aua**uguaguugacauaaacaccucccgcuc

.....cccuguagauccgaa <u>uuuugugu</u>	3	0	z2_
.....cccuguagauccgaa <u>uuuugCgu</u>	1	1	z2_
.....caaaa <u>ucguaucuaggggaa</u>	5	0	z2_
.....aaauuu <u>ucguaucuaggggaa</u>	1	0	z2_
.....auacccuguaga <u>uccgaa<u>uuugu</u></u>	1	0	z3_
.....uacccuguaga <u>uccgaa<u>uuuu</u></u>	2	0	z3_
.....uacccuguaga <u>uccgaa<u>uuug</u></u>	13	0	z3_
.....uacccuguaga <u>cAga<u>uuugu</u></u>	1	1	z3_
.....uacccuUuagauccgaa <u>uuugu</u>	1	1	z3_
.....uacccuguaga <u>uccgaa<u>uuugC</u></u>	7	1	z3_
.....uacccuAuagauccgaa <u>uuugu</u>	1	1	z3_
.....uacccuguAa <u>uccgaa<u>uuugu</u></u>	1	1	z3_
.....uacccuguaga <u>uccgaa<u>uuugu</u></u>	134	0	z3_
.....uacccuguaga <u>uccgaa<u>uuugA</u></u>	2	1	z3_
.....uacccugCagauccgaa <u>uuugu</u>	1	1	z3_
.....uacccuguaga <u>uUcgaa<u>uuugu</u></u>	1	1	z3_
.....uacccuguaga <u>uccgaa<u>uuuuA</u></u>	1	1	z3_
.....uGccuguaga <u>uccgaa<u>uuugu</u></u>	1	1	z3_
.....uacccuguaga <u>uccgGauuu<u>ugu</u></u>	6	1	z3_
.....uacccuguagGuccgaa <u>uuugu</u>	1	1	z3_
.....uacccuguaga <u>uccgaa<u>uuuguA</u></u>	10	1	z3_
.....uacccuguaga <u>aucUgaa<u>uuugug</u></u>	1	1	z3_
.....uacccuguaga <u>uccgaa<u>uuugAg</u></u>	1	1	z3_
.....uacccugCagauccgaa <u>uuugug</u>	1	1	z3_
.....uacccuguaga <u>uccgGauuu<u>ugug</u></u>	5	1	z3_
.....uaccUuguaga <u>uccgaa<u>uuugug</u></u>	1	1	z3_
.....uacccuguaga <u>uccgaa<u>uuugug</u></u>	67	0	z3_
.....uacccuguaga <u>uccgaa<u>Cugug</u></u>	1	1	z3_
.....uaccCguaga <u>uccgaa<u>uuugug</u></u>	2	1	z3_
.....uacccuguagGuccgaa <u>uuugug</u>	2	1	z3_
.....uacccuguaga <u>uccgaa<u>uuugG</u></u>	1	1	z3_
.....uacccuguaga <u>uccgaa<u>uuugug</u></u>	7	0	z3_
.....uacccuguaga <u>uccgaa<u>uuugqA</u></u>	8	1	z3_
.....uacccuguagGuccgaa <u>uuugug</u>	1	1	z3_
.....acccuguaga <u>uccgaa<u>uuuug</u></u>	7	0	z3_
.....acccuguaga <u>uccgaa<u>uuuA</u></u>	1	1	z3_
.....acccuguaga <u>uccgGuuu<u>ugu</u></u>	1	1	z3_
.....acccuguaga <u>uccgaa<u>uuugu</u></u>	25	0	z3_
.....acccuguaga <u>uccgaa<u>uuugC</u></u>	1	1	z3_
.....accGuguaga <u>uccgaa<u>uuugu</u></u>	1	1	z3_
.....acccuguaga <u>uccgaa<u>Cugu</u></u>	1	1	z3_
.....acccuguaga <u>uccgGauuu<u>ugug</u></u>	18	1	z3_
.....acccuguaga <u>uccgaa<u>uuuguA</u></u>	4	1	z3_
.....acccuguaga <u>uccgaa<u>uuuug</u></u>	1	1	z3_
.....acccuguaga <u>uccgaa<u>uuuguU</u></u>	10	1	z3_
.....acccuguaga <u>uccgaa<u>uuuugug</u></u>	27	0	z3_
.....acccuguaga <u>uccgaa<u>uuugug</u></u>	22	0	z3_
.....acccuguaga <u>uccgaa<u>uuugugA</u></u>	11	1	z3_
.....acccuguaga <u>uccgaa<u>uuugugC</u></u>	2	1	z3_
.....acccuguaga <u>uccgGauuu<u>ugug</u></u>	4	1	z3_
.....acccuguaga <u>uccgaa<u>uuugugG</u></u>	2	1	z3_
.....acccuguaga <u>uccgaa<u>uuugugua</u></u>	2	0	z3_