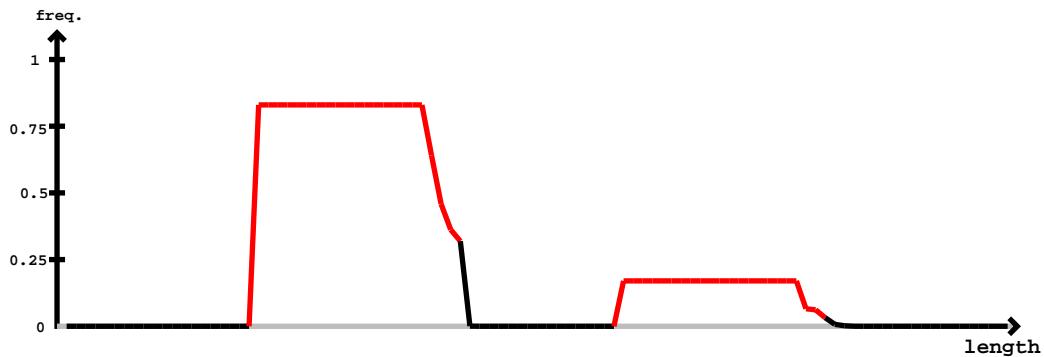
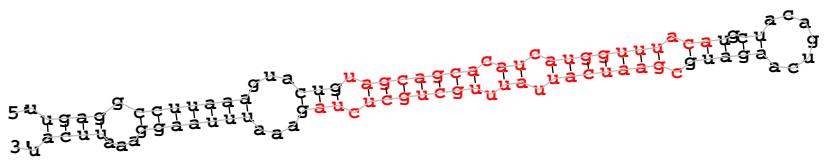


```
miRBase precursor      : hsa-mir-15b
Total read count       : 64100
hsa-miR-15b-5p read count : 53193
hsa-miR-15b-3p read count : 10905
remaining reads        : 2
```



hsa-miR-15b-3p

hsa-miR-15b-5p

uugaggccuuuaaguacuguagcagcacaucauguuuuacaugcuacaguaagaugc**gaaucuuuuugcugcucu**gaaauuuaaggaaaucau

.....uagcagcacau <u>Gugguu</u>	10	1	Z1_
.....uagcagcac <u>Gcaugguu</u>	1	1	Z1_
.....uag <u>caAcacaucaugguu</u>	5	1	Z1_
.....uag <u>Uagcacaucaugguu</u>	11	1	Z1_
.....uagcagcacau <u>Cuu</u>	1	1	Z1_
.....uagcagcacau <u>cauggGu</u>	5	1	Z1_
.....uagcagcac <u>Gucaucaugguu</u>	14	1	Z1_
.....uagcagcacau <u>Cugguu</u>	2	1	Z1_
.....uagcagcacau <u>caAgguu</u>	1	1	Z1_
.....uag <u>Cgcacaucaugguu</u>	3	1	Z1_
.....uag <u>cgcacaucaugguu</u>	1	1	Z1_
.....uag <u>cagcGcaucaucaugguu</u>	12	1	Z1_
.....uag <u>cagcacac<u>Ccaugguuu</u></u>	8	1	Z1_
.....u <u>Cgcagcacaucaugguuu</u>	2	1	Z1_
.....u <u>agGagcacaucaugguuu</u>	1	1	Z1_
.....u <u>agcagUacaucaugguuu</u>	2	1	Z1_
.....u <u>agcGgcacaucaugguuu</u>	11	1	Z1_
.....u <u>agcagcacau<u>Cugguuu</u></u>	1	1	Z1_
.....u <u>agcagcacau<u>caug<u>Uuuu</u></u></u>	3	1	Z1_
.....u <u>agcagcacau<u>caugguuC</u></u>	124	1	Z1_
.....u <u>agcagcacau<u>caugguuA</u></u>	20	1	Z1_
.....u <u>agcagcacau<u>caugg<u>Auu</u></u></u>	2	1	Z1_
.....u <u>aAcagcacau<u>caugguuu</u></u>	2	1	Z1_
.....u <u>agcagcacau<u>Uaugguuu</u></u>	1	1	Z1_
.....u <u>agcagcacau<u>cau<u>Ggguuu</u></u></u>	2	1	Z1_
.....u <u>agcagcacau<u>Gugguuu</u></u>	8	1	Z1_
.....u <u>agcagcacau<u>Uau<u>caugguuu</u></u></u>	3	1	Z1_
.....u <u>agcagcac<u>Gucaucaugguuu</u></u>	3	1	Z1_
.....u <u>agcagcacau<u>cauggguCu</u></u>	2	1	Z1_
.....u <u>Ggcagcacau<u>caugguuu</u></u>	18	1	Z1_
.....u <u>agcagcac<u>Cucaucaugguuu</u></u>	1	1	Z1_
.....u <u>agcagcacau<u>cau<u>Cgguuu</u></u></u>	4	1	Z1_
.....u <u>aUcagcacau<u>caugguuu</u></u>	3	1	Z1_
.....Cag <u>cgacau<u>caugguuu</u></u>	12	1	Z1_
.....u <u>agcagcacau<u>cauggguG</u></u>	3	1	Z1_
.....u <u>agcagcacau<u>cauggGuu</u></u>	2	1	Z1_
.....u <u>agcUgcacau<u>caugguuu</u></u>	1	1	Z1_
.....u <u>agcagcacau<u>caugguuu</u></u>	1909	0	Z1_
.....u <u>agcagcacau<u>cau<u>Aguuu</u></u></u>	1	1	Z1_
.....u <u>agcagcacau<u>ca<u>Agguu</u></u></u>	1	1	Z1_
.....G <u>aggcagcacau<u>caugguuu</u></u>	2	1	Z1_
.....u <u>ag<u>caAcacau<u>caugguuu</u></u></u>	4	1	Z1_
.....u <u>agcagcacau<u>caugg<u>Cuu</u></u></u>	10	1	Z1_
.....u <u>agcagcacau<u>cauggguGu</u></u>	2	1	Z1_
.....u <u>agcagcacau<u>ca<u>Ggguuu</u></u></u>	1	1	Z1_
.....u <u>agcagcacau<u>Uaugguuu</u></u>	2	1	Z1_
.....u <u>agcagcacau<u>caugguuCa</u></u>	1	1	Z1_
.....u <u>Cgcagcacau<u>caugguuu</u></u>	2	1	Z1_
.....u <u>agcagcacau<u>cauggguCua</u></u>	2	1	Z1_
.....u <u>ag<u>caUcacau<u>caugguuu</u></u></u>	2	1	Z1_
.....u <u>ag<u>cagUacau<u>caugguuu</u></u></u>	4	1	Z1_
.....u <u>agcagcacau<u>caugguuuU</u></u>	9	1	Z1_
.....u <u>uCcgagcacau<u>caugguuu</u></u>	2	1	Z1_
.....u <u>aAcagcacau<u>caugguuuA</u></u>	2	1	Z1_
.....u <u>agcGgcacau<u>caugguuu</u></u>	7	1	Z1_
.....u <u>ag<u>Uagcacau<u>caugguuu</u></u></u>	4	1	Z1_
.....u <u>Ggcagcacau<u>caugguuu</u></u>	3	1	Z1_
.....u <u>agcagcacau<u>caugguuuA</u></u>	1431	0	Z1_
.....A <u>agcagcacau<u>caugguuu</u></u>	4	1	Z1_
.....u <u>agcagcac<u>Ucaugguuu</u></u>	1	1	Z1_
.....u <u>agcagcac<u>Gucau<u>caugguuu</u></u></u>	8	1	Z1_
.....u <u>agcagcacau<u>Aaugguuu</u></u>	4	1	Z1_
.....C <u>aggcagcacau<u>caugguuu</u></u>	6	1	Z1_
.....u <u>agcagcacau<u>caug<u>Auuua</u></u></u>	1	1	Z1_
.....u <u>agcagcac<u>Ccaugguuu</u></u>	6	1	Z1_
.....u <u>agcagcacau<u>cauggGuu</u></u>	1	1	Z1_
.....u <u>ag<u>caAcacau<u>caugguuu</u></u></u>	4	1	Z1_
.....u <u>agcagcacau<u>Gugguuu</u></u>	2	1	Z1_
.....u <u>agcagcacau<u>Acaugguuu</u></u>	3	1	Z1_

hsa-miR-15b-3p

hsa-miR-15b-5p

uuqaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacagucaagaugcgaaucauuuuugcugcucugaaauuuaaggaaaucau

.....uagcagcacaucaugguuGa.....	1	1	Z1_
.....uagcagcacaucaugguuuG.....	3	1	Z1_
.....uUgcagcacaucaugguuuA.....	1	1	Z1_
.....uagcagcacaucaCgguuua.....	7	1	Z1_
.....uagcagcacaucaugguuua.....	1	1	Z1_
.....uagcagcacaucaAgguuuA.....	2	1	Z1_
.....uaUcagcacaucaugguuuA.....	4	1	Z1_
.....uagcagcacaucaugguuuA.....	1	1	Z1_
.....uagcagcGcaucaugguuuA.....	3	1	Z1_
.....uagcagcacaucaugguuuA.....	2	1	Z1_
.....uagcagcacaucauggAuuuA.....	2	1	Z1_
.....uagcagcacaucauAguuuA.....	1	1	Z1_
.....uagcagcacaucauggCuua.....	4	1	Z1_
.....uagcagcacaucauggCuuac.....	2	1	Z1_
.....uagcagcacaucaugguuuaA.....	5	1	Z1_
.....uUgcagcacaucaugguuuac.....	2	1	Z1_
.....uagcUgcacaucaugguuuac.....	2	1	Z1_
.....uagcagcacaucaugguuuuAU.....	61	1	Z1_
.....uagcagcacuCaugguuuac.....	1	1	Z1_
.....uagcagoGcaucaugguuuac.....	2	1	Z1_
.....uagcagcacaucaugguCuac.....	3	1	Z1_
.....uaCagcacaucaugguuuac.....	1	1	Z1_
.....uagcagcacaucaugGUuuuac.....	1	1	Z1_
.....uagcagcacaucauaggUUuuuac.....	1	1	Z1_
.....uUgcagcacaucaugguuuac.....	3	1	Z1_
.....Cagcagcacaucaugguuuac.....	5	1	Z1_
.....uagcGgcacaucaugguuuac.....	1	1	Z1_
.....uagUagcacaucaugguuuac.....	4	1	Z1_
.....uaUcagcacaucaugguuuuac.....	1	1	Z1_
.....uagcagcacaucaCgguuuac.....	4	1	Z1_
.....uagcagcacaucaugguuuac.....	484	0	Z1_
.....uagcagcacCcugguuuac.....	5	1	Z1_
.....uagcagcacaucaGgguuuac.....	3	1	Z1_
.....uagcagcacaucauggGuuaca.....	3	1	Z1_
.....uagcagcacaucaCgguuuaca.....	16	1	Z1_
.....uagcagcacaucaugCuuuaca.....	2	1	Z1_
.....uaAcgcacaucaugguuuaca.....	9	1	Z1_
.....uagcagcacaucaAgguuuaca.....	1	1	Z1_
.....uUgcagcacaucaugguuuuaca.....	6	1	Z1_
.....uGgcagcacaucaugguuuaca.....	14	1	Z1_
.....uagcagcacuCaugguuuaca.....	4	1	Z1_
.....uagcagcUcaucaugguuuaca.....	5	1	Z1_
.....uagcagcacaucaUgguuuaca.....	2	1	Z1_
.....Gagcagcacaucaugguuuaca.....	2	1	Z1_
.....uagcagcacaucaugguuuUca.....	1	1	Z1_
.....uagcagcacaucaugguAuaca.....	5	1	Z1_
.....uagcagAacaucaugguuuaca.....	1	1	Z1_
.....uagcagcacaucaUguuuuaca.....	1	1	Z1_
.....uagcagcacaucaGgguuuaca.....	28	1	Z1_
.....uagcagcacaucaugguuuaca.....	4085	0	Z1_
.....uagcagcacaucaugguuuAGa.....	1	1	Z1_
.....uagcagcacaucaugguuuGca.....	12	1	Z1_
.....uCgcagcacaucaugguuuaca.....	15	1	Z1_
.....uagcagoUaucaugguuuaca.....	2	1	Z1_
.....uagcagcacaucaGgguuuaca.....	6	1	Z1_
.....uagcagcacaucauggGuaca.....	2	1	Z1_
.....uagcagoGcaucaugguuuaca.....	12	1	Z1_
.....uaCcagcacaucaugguuuaca.....	1	1	Z1_
.....uagcagcacaucaugguuuaca.....	6	1	Z1_
.....uagUagcacaucaugguuuaca.....	10	1	Z1_
.....uagcUgcacaucaugguuuaca.....	1	1	Z1_
.....uagcGgcacaucaugguuuaca.....	24	1	Z1_
.....uagcaCcacaucaugguuuaca.....	2	1	Z1_
.....uagcagcacCcugguuuaca.....	34	1	Z1_
.....uagcaAcacaucaugguuuaca.....	6	1	Z1_
.....uagcagcacaucauggCuuaca.....	12	1	Z1_
.....Aagcagcacaucaugguuuaca.....	5	1	Z1_
.....Cagcagcacaucaugguuuaca.....	20	1	Z1_
.....uagcagcacaucaugGUuuuaca.....	2	1	Z1_

hsa-miR-15b-3p

hsa-miR-15b-5p

uugaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacagucaagaug**cgaaucuuuuuggcugcucu**gaaauuuaaggaaauuaca

.....uagcagcacaucau <u>Aguuuaca</u>	5	1	Z1_
.....uaUcagcacaucau <u>caugguuuaca</u>	4	1	Z1_
.....uagcagcacaucau <u>caugguCuaca</u>	24	1	Z1_
.....uagcag <u>Uacaucau<u>caugguuuaca</u></u>	4	1	Z1_
.....uagcagcacau <u>cau<u>caugguuuacG</u></u>	63	1	Z1_
.....uagAagcacau <u>cau<u>caugguuuaca</u></u>	1	1	Z1_
.....uagcagcacau <u>cau<u>cauggAuuaca</u></u>	3	1	Z1_
.....uagcagcacau <u>cau<u>caugguuuacU</u></u>	35	1	Z1_
.....uagcagcacau <u>cau<u>caugguuuGaca</u></u>	1	1	Z1_
.....uagcagcac <u>Gcau<u>gguuuaca</u></u>	2	1	Z1_
.....uagcagcacau <u>cau<u>Cugguuuaca</u></u>	2	1	Z1_
.....uagcagcacau <u>cau<u>caugguuuua</u></u>	9	1	Z1_
.....uagcagcac <u>G<u>u<u>caugguuuaca</u></u></u>	16	1	Z1_
.....uagcagcacau <u>cau<u>caugguuuCaca</u></u>	6	1	Z1_
.....uagcagcacau <u>cau<u>caugguuuacC</u></u>	2	1	Z1_
.....uagcagcacau <u>cau<u>caugguuuacaA</u></u>	8	1	Z1_
.....agcagcacau <u>cau<u>caugguuu</u></u>	1	0	Z1_
.....Acgaaucuuuuuggcugcu.....	1	1	Z1_
.....cgaaucuu <u>Uuuuuggcugcu</u>	1	1	Z1_
.....cgaa <u>A<u>cauuuuuggcugcu</u></u>	1	1	Z1_
.....cgaa <u>G<u>cauuuuuggcugcu</u></u>	1	1	Z1_
.....cgaa <u>cauu<u>Auuuggcugcu</u></u>	1	1	Z1_
.....cg <u>Gau<u>cauuuuuggcugcu</u></u>	1	1	Z1_
.....cgaa <u>cau<u>Cauuuuggcugcu</u></u>	1	1	Z1_
.....cgaa <u>C<u>cauuuuuggcugcu</u></u>	4	1	Z1_
.....Agaa <u>cauuuuuggcugcu</u>	1	1	Z1_
.....cgaa <u>U<u>auuuuggcugcu</u></u>	1	1	Z1_
.....cgaa <u>cauuuu<u>Gcgugcu</u></u>	2	1	Z1_
.....cgaa <u>cau<u>Caauuuuggcugcu</u></u>	4	1	Z1_
.....cgaa <u>cau<u>Caauuuuggcugcu</u></u>	1	1	Z1_
.....cgaa <u>cau<u>caauuuuggcugcu</u></u>	2	1	Z1_
.....cgaa <u>cau<u>caauuuuggcugcu</u></u>	2	1	Z1_
.....cgaa <u>cau<u>caauuuuggcugcu</u></u>	4	1	Z1_
.....cgaa <u>cau<u>caauuuuggcugcu</u></u>	1	1	Z1_
.....cgaa <u>cau<u>Guuuuggcugcu</u></u>	1	1	Z1_
.....cgaa <u>cau<u>GuuuuggcugcG</u></u>	3	1	Z1_
.....cgaa <u>cau<u>Gu<u>uuggcugcu</u></u></u>	6	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>Acugcu</u></u></u>	1	1	Z1_
.....cgaa <u>cau<u>Aauuuuggcugcu</u></u>	1	1	Z1_
.....c <u>ga<u>Gu<u>cauuuuuggcugcu</u></u></u>	7	1	Z1_
.....c <u>A<u>aa<u>cauuuuuggcugcu</u></u></u>	1	1	Z1_
.....cgaa <u>uc<u>Guauuuuggcugcu</u></u>	1	1	Z1_
.....cgaa <u>cauuuu<u>uggcugcA</u></u>	26	1	Z1_
.....cgaa <u>cauuuu<u>uggcugcu</u></u>	683	0	Z1_
.....U <u>gaa<u>cauuuuuggcugcu</u></u>	6	1	Z1_
.....cgaa <u>cauuuu<u>uggcugcC</u></u>	62	1	Z1_
.....cg <u>Gau<u>cauuuuuggcugcuc</u></u>	1	1	Z1_
.....cgaa <u>cauuuu<u>uggcugcuA</u></u>	3	1	Z1_
.....cgaa <u>cauuuu<u>uggcugcuc</u></u>	25	0	Z1_
.....cgaa <u>cau<u>Cuuggcugcuc</u></u>	1	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggcugcuG</u></u></u>	2	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggcugcu</u></u></u>	3	1	Z1_
.....cgaa <u>uc<u>Cuauuuuggcugcuc</u></u>	2	1	Z1_
.....c <u>ga<u>Gu<u>cauuuuuggcugcuc</u></u></u>	2	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>C<u>cgugcucu</u></u></u></u>	4	1	Z1_
.....c <u>A<u>aa<u>cauuuuuggcugcucu</u></u></u>	4	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>Guuggcugcucu</u></u></u>	2	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggcugcucG</u></u></u>	1	1	Z1_
.....cgaa <u>uc<u>Guauuuuggcugcucu</u></u>	2	1	Z1_
.....cgaa <u>cau<u>Guauuuuggcugcucu</u></u>	1	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggcugcucu</u></u></u>	2	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>Guuuggcugcucu</u></u></u>	2	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggcugcucu</u></u></u>	1	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggcugcucu</u></u></u>	2	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>Guuuggcugcucu</u></u></u>	3	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggcugcucC</u></u></u>	22	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggc<u>Gu<u>cgucu</u></u></u></u>.....</u>	1	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggc<u>Gu<u>cgucu</u></u></u></u>.....</u>	212	0	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggc<u>G<u>gcucu</u></u></u></u>.....</u>	1	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggc<u>Gu<u>Agcucu</u></u></u></u>.....</u>	1	1	Z1_
.....U <u>gaa<u>cauuuuuggcugcucu</u></u>	1	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggcugcucA</u></u></u>	12	1	Z1_
.....cgaa <u>cau<u>cauuuu<u>uggcugcucG</u></u></u>	1	1	Z1_

hsa-miR-15b-3p

hsa-miR-15b-5p

uugaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacagucaagaugcgaaucuuauuuugcugcucugaaauuuaaggaaaucau

.....cgaa <u>cuauuuuugcugcucu</u>	189	0	Z1_
.....cgaa <u>cuauuuugcugcucu</u>	1	1	Z1_
.....cg <u>aGucauuuuugcugcucu</u>	1	1	Z1_
.....cgaa <u>cuauuuuugcugcucuAa</u>	1	1	Z1_
.....cgaa <u>cuauuuuugcugcucu</u>	6	1	Z1_
.....cgaa <u>cuauuuuugcAgcucu</u>	1	1	Z1_
.....cgaa <u>Ccauuuuugcugcucu</u>	2	1	Z1_
.....cgaa <u>cuauuuuugcugcucu</u>	3	1	Z1_
.....cgaa <u>cuauuuuugcugcucuG</u>	3	1	Z1_
.....cgaa <u>cuauuaCuuugcugcucu</u>	2	1	Z1_
.....cgaa <u>cuauuaAuuugcugcucu</u>	1	1	Z1_
.....cgaa <u>cuauCauuuugcugcucu</u>	1	1	Z1_
.....cgaa <u>cuauuuuugcugcucu</u>	1	1	Z1_
.....cg <u>Gaucauuuuugcugcucu</u>	1	1	Z1_
.....cgaa <u>cuauuuuugcugcucu</u>	3	1	Z1_
.....cgaa <u>cuauuuuugCgcucu</u>	2	1	Z1_
.....cgaa <u>Acauuuuugcugcucu</u>	4	1	Z1_
.....cgaa <u>cuauuuuugcugcucuU</u>	12	1	Z1_
.....cgaa <u>cuauuuuugcugcucuA</u>	18	1	Z1_
.....cgaa <u>cuauuuuugcugcucuU</u>	12	1	Z1_
.....cgaa <u>cuauuuuugcugcucuAa</u>	4	1	Z1_
.....cgaa <u>cuauuuuugcugcucuAa</u>	6	1	Z1_
.....cgaa <u>cuauuuuugcugcucuCa</u>	2	1	Z1_
.....gaa <u>cuauuuuugcugcug</u>	1	0	Z1_
.....gaa <u>cuauuuuugcugcA</u>	1	1	Z1_
.....gaa <u>cuauuuuugcugcC</u>	1	1	Z1_
.....uagcagcacaucaugg <u>Au</u>	1	1	Z2_
.....uagcagcacaucaugg <u>C</u>	63	1	Z2_
.....uCgcagcacaucaugg <u>u</u>	1	1	Z2_
.....uagcagcacaucaugg <u>A</u>	9	1	Z2_
.....uagcagcacaucaugg <u>Auu</u>	3	1	Z2_
.....uagc <u>Cgcacaucaugguu</u>	2	1	Z2_
.....uUgcagcacaucaugguu.....	1	1	Z2_
.....uagcagcac <u>Ccaugguu</u>	11	1	Z2_
.....uagcagcac <u>Gcaugguu</u>	1	1	Z2_
.....uagc <u>Ggcacaucaugguu</u>	3	1	Z2_
.....uagcag <u>Aacaucaugguu</u>	1	1	Z2_
.....ua <u>Acagcacaucaugguu</u>	2	1	Z2_
.....uagcagcacau <u>Cgguu</u>	3	1	Z2_
.....uag <u>Acacaucaugguu</u>	4	1	Z2_
.....uagc <u>Agcaucaugguu</u>	4	1	Z2_
.....uagc <u>Agcacaucaugguu</u>	2	1	Z2_
......Cagc <u>agcacaucaugguu</u>	7	1	Z2_
.....uag <u>Uagcacaucaugguu</u>	2	1	Z2_
.....ua <u>Ccagcacaucaugguu</u>	1	1	Z2_
.....uagc <u>agcacaucauggCu</u>	4	1	Z2_
.....uagc <u>agcacauUaugguu</u>	2	1	Z2_
.....uagc <u>agcacaucauggG</u>	3	1	Z2_
.....uagc <u>agcacaucauggAuu</u>	1	1	Z2_
.....uagc <u>agcacaucauggGu</u>	1	1	Z2_
.....uag <u>cagcacaucaugguu</u>	5	1	Z2_
.....uGgc <u>agcacaucaugguu</u>	5	1	Z2_
.....uag <u>cagcacaucaugguu</u>	1088	0	Z2_
.....Aag <u>cagcacaucaugguu</u>	4	1	Z2_
.....uag <u>cagcacaucaugguu</u>	3	1	Z2_
.....uag <u>cagGcaucaugguu</u>	6	1	Z2_
.....uag <u>cagcacaucaAgguu</u>	3	1	Z2_
.....uag <u>cagcacau<u>Uugguu</u></u>	1	1	Z2_
.....uag <u>cagcacau<u>Ggguu</u></u>	1	1	Z2_
.....Cagc <u>agcacaucaugguu</u>	7	1	Z2_
.....uag <u>cagcacaucauggGuu</u>	2	1	Z2_
.....uag <u>cagcac<u>Guugguuu</u></u>	5	1	Z2_
.....uag <u>cagcac<u>Ccaugguuu</u></u>	8	1	Z2_
.....uag <u>cagcac<u>Gugguuu</u></u>	6	1	Z2_
.....uag <u>cagcacau<u>Gugguu</u></u>	5	1	Z2_
.....uag <u>cagcacau<u>cauggGu</u></u>	1	1	Z2_
.....uag <u>cagcacau<u>Cgguuu</u></u>	11	1	Z2_
.....uag <u>cagcacau<u>Uaugguuu</u></u>	3	1	Z2_

hsa-miR-15b-3p

hsa-miR-15b-5p

uugaggccuuuaaguacuguagcagcacaucaugguuuacaugcuacagucaagaugcgaaucauuuuugcugcucuaaaaauuuaaggaaaucau

.....uCgagcacacaucaugguuu.....	1	1
.....uagcagcacUcaugguuu.....	1	1
.....uagcagcacacauCugguuu.....	1	1
.....uaUcagcacacaucaugguuu.....	2	1
.....uagcagcacacauGaugguuu.....	1	1
.....uagcGgcacacaucaugguuu.....	14	1
.....uagcagcacacaucaugguuu.....	2203	0
.....uagcagcacacaucaugguuC.....	105	1
.....uagcUgcacacaucaugguuu.....	4	1
.....uagcagcacacaucaAguuu.....	4	1
.....uGgcagcacacaucaugguuu.....	7	1
.....uagcagcacacaucaugguCu.....	11	1
.....uagcagCcacaucaucaugguuu.....	11	1
.....uagaAcacacacaucaugguuu.....	2	1
.....uaAcagcacacaucaugguuu.....	7	1
.....uagcagGacacaucaugguuu.....	1	1
.....uagcagcacacaucauggCuu.....	9	1
.....uagcagcacacaucauggAuu.....	2	1
.....uagcagCcacaucaucaugguuu.....	1	1
.....uUgcagcacacaucaugguuu.....	2	1
.....uagUagcacacaucaugguuu.....	7	1
.....uagcagcacacauUaugguuu.....	2	1
.....uagcagUacacaucaugguuu.....	5	1
.....uagcagcacacaucaugAuu.....	3	1
.....uagcagAacacaucaugguu.....	1	1
.....uagcagcacacaucaugguuA.....	19	1
.....Aaggcagcacacaucaugguuu.....	1	1
.....uagcagcacacaucaAgguuuu.....	1	1
.....uagcagcacacaucaugguuCa.....	2	1
.....uagcagUcaucacaucaugguuu.....	1	1
.....Caggcagcacacaucaugguuua.....	4	1
.....uagcagcacacaucaCgguuua.....	3	1
.....uagcagcacacaucaugguuua.....	735	0
.....uagcagcacacaucCugguuua.....	1	1
.....uagcagcacGucaugguuua.....	3	1
.....uagcagcacAcaugguuua.....	1	1
.....uaUcagcacacaucaugguuua.....	1	1
.....uagcagcacacaucGugguuua.....	5	1
.....uagcGgcacacaucaugguuua.....	1	1
.....uagcagcacacauAaugguuua.....	2	1
.....uagcagUacacacaucaugguuua.....	2	1
.....uagcUgcacacaucaugguuua.....	3	1
.....uaAcagcacacaucaugguuua.....	2	1
.....uagUagcacacaucaugguuua.....	1	1
.....uagcagcGcaucacaucaugguuu.....	2	1
.....uagcagcacacaucaugguAu.....	1	1
.....uagcagcacacaucauggGuua.....	1	1
.....uGgcagcacacaucaugguuua.....	2	1
.....uagcagcacacaucaugguuuG.....	2	1
.....uagcagcacacaucauggCuu.....	2	1
.....uagcagcacacaucUugguuua.....	2	1
.....uagcagcacCcacaucaugguuu.....	1	1
.....uagcagcacacaucaugguuU.....	5	1
.....uagcagcacUcaugguuuac.....	1	1
.....uaAcagcacacaucaugguuuac.....	1	1
.....uagcagcacacaucaugguuuGc.....	1	1
.....uagcagcacacaucGugguuuac.....	1	1
.....uagcagcacacaucaugguCuac.....	1	1
.....uagcagcacacaucaugguuuA.....	3	1
.....Caggcagcacacaucaugguuuac.....	4	1
.....uagcagcacacaucaugguuuU.....	38	1
.....uagcagcacGucaugguuuac.....	1	1
.....uagcagcGcaucacaucaugguuuac.....	1	1
.....uagcagcaUaucacaucaugguuuac.....	4	1
.....uagcagcacCcacaucaugguuuac.....	4	1
.....uagcagcacacauUaugguuuac.....	2	1
.....uagcagcacacaucaugguuCac.....	1	1
.....Aaggcagcacacaucaugguuuac.....	2	1
.....uagcagcacacaucaugguuuac.....	365	0

hsa-miR-15b-5p

uugaggccuuuaaguacugagcacgaccaucaugguuuuacugucacuguagug**cgaaucuuauuugcugcua**gaaauuuaaggaaauucau

.....uagcagcacaca <u>A</u> caugguuu <u>u</u> ac.....	1	1	Z2_
.....uagcGgcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> ac.....	6	1	Z2_
.....uaUcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> ac.....	1	1	Z2_
.....uaUcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	2	1	Z2_
.....uagcagcacacau <u>A</u> auugguuu <u>u</u> aca.....	1	1	Z2_
.....uaCcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	1	1	Z2_
.....uagcagAacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	1	1	Z2_
.....uagcagcacacau <u>U</u> augguuu <u>u</u> aca.....	6	1	Z2_
.....uagAagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	3	1	Z2_
.....uagcagcacacau <u>c</u> u <u>g</u> guuu <u>u</u> aca.....	11	1	Z2_
.....uagcagcacacau <u>c</u> u <u>g</u> guu <u>u</u> Cu <u>a</u> ca.....	18	1	Z2_
.....uagcagcacac <u>G</u> caugguuu <u>u</u> aca.....	4	1	Z2_
.....uagcagcacacau <u>u</u> guuu <u>u</u> aca.....	7	1	Z2_
.....uagcagcacacau <u>c</u> u <u>g</u> Guuu <u>u</u> aca.....	6	1	Z2_
.....uagcagcac <u>A</u> au <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	1	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caAgguuu <u>u</u> aca.....	3	1	Z2_
.....uUgcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	1	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caug <u>U</u> uuu <u>u</u> aca.....	1	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caug <u>U</u> gguuu <u>u</u> aca.....	3	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caug <u>U</u> ggguu <u>u</u> U <u>c</u>	3	1	Z2_
.....uGgcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	17	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caugg <u>A</u> uu <u>u</u> aca.....	1	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caugguuu <u>G</u> ca.....	11	1	Z2_
.....uagcago <u>G</u> ca <u>u</u> caugguuu <u>u</u> aca.....	17	1	Z2_
.....uagcagcac <u>A</u> caugguuu <u>u</u> aca.....	2	1	Z2_
.....uagca <u>C</u> cacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	1	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> ac <u>U</u>	16	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> ac <u>G</u>	39	1	Z2_
.....uagcagca <u>U</u> au <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	13	1	Z2_
.....uagcUgcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	5	1	Z2_
.....Aagcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	8	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> Ca <u>g</u> guuu <u>u</u> aca.....	22	1	Z2_
.....uagcagcac <u>C</u> ac <u>u</u> caugguuu <u>u</u> aca.....	7	1	Z2_
.....uaAcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	4	1	Z2_
.....uagcagcac <u>C</u> u <u>g</u> guuu <u>u</u> aca.....	2	1	Z2_
.....Gagcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	2	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caug <u>U</u> guuu <u>u</u> aca.....	1	1	Z2_
.....Cagcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	16	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caug <u>U</u> guu <u>u</u> C <u>a</u>	10	1	Z2_
.....uagca <u>A</u> cacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	2	1	Z2_
.....uagcagcacac <u>C</u> au <u>u</u> caugguuu <u>u</u> aca.....	22	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	3833	0	Z2_
.....uCgcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	1	1	Z2_
.....uagcag <u>U</u> acacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	11	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caug <u>gu</u> Au <u>u</u> aca.....	3	1	Z2_
.....uagGagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	1	1	Z2_
.....uagcGgcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	23	1	Z2_
.....uagUagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	11	1	Z2_
.....uagcagcac <u>U</u> ca <u>u</u> caugguuu <u>u</u> aca.....	2	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	1	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> ca <u>g</u> uuu <u>u</u> aca.....	4	1	Z2_
.....uagcgc <u>C</u> ca <u>u</u> caugguuu <u>u</u> aca.....	1	1	Z2_
.....uagca <u>U</u> cacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	2	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> ca <u>G</u> guuu <u>u</u> aca.....	2	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caug <u>g</u> Guuu <u>u</u> aca.....	23	1	Z2_
.....uagcagc <u>U</u> ca <u>u</u> caugguuu <u>u</u> aca.....	4	1	Z2_
.....uagcagcacacau <u>c</u> au <u>u</u> caugguuu <u>u</u> aca.....	1	1	Z2_
.....c <u>g</u> aa <u>u</u> ca <u>u</u> uu <u>u</u> uu <u>u</u> u <u>g</u> c <u>u</u> g <u>U</u>	1	1	Z2_
.....c <u>g</u> aa <u>u</u> ca <u>u</u> uu <u>u</u> u <u>u</u> C <u>g</u> c <u>u</u> g.....	4	1	Z2_
.....c <u>g</u> aa <u>u</u> ca <u>u</u> uu <u>u</u> u <u>u</u> u <u>g</u> c <u>u</u> g.....	7	1	Z2_
.....c <u>g</u> U <u>u</u> ca <u>u</u> uu <u>u</u> u <u>u</u> u <u>g</u> c <u>u</u> g.....	1	1	Z2_
.....c <u>g</u> a <u>Gu</u> ca <u>u</u> uu <u>u</u> u <u>u</u> u <u>g</u> c <u>u</u> g.....	2	1	Z2_
.....c <u>g</u> aa <u>u</u> ca <u>u</u> uu <u>u</u> u <u>u</u> Gu <u>u</u> u <u>u</u> g <u>u</u>	4	1	Z2_
.....c <u>g</u> aa <u>u</u> ca <u>u</u> uu <u>u</u> u <u>u</u> A <u>u</u> u <u>u</u> g <u>u</u>	1	1	Z2_
.....c <u>g</u> aa <u>u</u> ca <u>u</u> uu <u>u</u> u <u>u</u> C <u>u</u> u <u>u</u> g <u>u</u>	1	1	Z2_
.....c <u>g</u> aa <u>u</u> ca <u>u</u> uu <u>u</u> u <u>u</u> u <u>u</u> u <u>g</u> U <u>u</u>	2	1	Z2_
.....c <u>g</u> aa <u>u</u> ca <u>u</u> uu <u>u</u> u <u>u</u> u <u>u</u> C <u>u</u> g <u>u</u>	1	1	Z2_
.....c <u>g</u> aa <u>u</u> ca <u>u</u> uu <u>u</u> u <u>u</u> u <u>u</u> u <u>g</u> C <u>u</u>	1	1	Z2_
.....c <u>g</u> aa <u>u</u> ca <u>u</u> uu <u>u</u> u <u>u</u> u <u>u</u> u <u>g</u> C <u>u</u> g.....	771	0	Z2_

hsa-miR-15b-3p

hsa-miR-15b-5p

uuqaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacaguaugc**gaaucuuuuugcugcucu**gaaauuuaaggaaaucau

.....cgaaucuuuuugCgcu.....	3	1	Z2_
.....cgaauc <u>C</u> uauuuugcugcu.....	2	1	Z2_
.....cgaa <u>U</u> auuuuuugcugcu.....	5	1	Z2_
.....cgaaucuuuu <u>A</u> ugcugcu.....	2	1	Z2_
.....cgaaucuuuu <u>Ag</u> cu.....	2	1	Z2_
.....cgaaucuuuu <u>ug</u> cG.....	7	1	Z2_
.....cgaaucuu <u>C</u> auuuugcugcu.....	4	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgc.....	52	1	Z2_
.....Ugaaucuuauuuugcugcu.....	9	1	Z2_
.....cCaaucuuauuuugcugcu.....	1	1	Z2_
.....Ggaaucuuauuuugcugcu.....	3	1	Z2_
.....cgaauc <u>G</u> uuauuuugcugcu.....	5	1	Z2_
.....cgaaucuu <u>C</u> uugcugcu.....	2	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcA.....	34	1	Z2_
.....cgaaucuuauuu <u>ug</u> cu.....	1	1	Z2_
.....cg <u>G</u> aucauuuuugcugcu.....	3	1	Z2_
.....cgaaG <u>C</u> auuuuuugcugcuc.....	1	1	Z2_
.....cAaaucuuauuuugcugcuc.....	1	1	Z2_
.....cgaaucuu <u>C</u> auuuugcugcuc.....	1	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcu.....	2	1	Z2_
.....cgaaucuuauuu <u>ug</u> cu.....	5	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgc.....	35	0	Z2_
.....cgaaucuuauuu <u>ug</u> cgcG.....	5	1	Z2_
.....cgaauc <u>C</u> auuuugcugcucu.....	1	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgUcu.....	2	1	Z2_
.....cgaaucuu <u>C</u> uugcugcucu.....	1	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgc.....	20	1	Z2_
.....cgaaG <u>C</u> auuuuuugcugcucu.....	1	1	Z2_
.....cgaaucuuauuu <u>ug</u> gcgcu.....	1	1	Z2_
.....cgaaucuuauuu <u>ug</u> Ugcgcu.....	2	1	Z2_
.....cgaauc <u>C</u> uauuuugcugcucu.....	1	1	Z2_
.....cgaaucuu <u>G</u> uuuugcugcucu.....	1	1	Z2_
.....cgaaucuuauuu <u>ug</u> cugcucu.....	315	0	Z2_
.....cgaaucuuauuu <u>ug</u> Augcucu.....	1	1	Z2_
.....cgaauc <u>A</u> auuuugcugcucu.....	1	1	Z2_
.....cgaauc <u>G</u> uuuuuuugcugcucu.....	5	1	Z2_
.....cgaauc <u>A</u> uuuuuugcugcucu.....	1	1	Z2_
.....cgaa <u>C</u> cauuuuuuugcugcucu.....	2	1	Z2_
.....Ggaaucuuauuu <u>ug</u> cgcucu.....	3	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcucC.....	28	1	Z2_
.....cga <u>G</u> ucuuauuu <u>ug</u> cgcucu.....	3	1	Z2_
.....cgaaucuu <u>U</u> uuuugcugcucu.....	1	1	Z2_
.....cgaaucuu <u>G</u> uugcugcucu.....	1	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcu.....	2	1	Z2_
.....cgaaucuuauuu <u>ug</u> gc.....	2	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgc.....	9	1	Z2_
.....cgaaucuuauuu <u>ug</u> Agcucu.....	1	1	Z2_
.....Agaaucuuauuu <u>ug</u> cgcucu.....	1	1	Z2_
.....cgaaucuu <u>C</u> auuuugcugcucu.....	2	1	Z2_
.....cga <u>G</u> ucuuauuu <u>ug</u> cgcucu.....	1	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcucu.....	304	0	Z2_
.....cgaaucuu <u>C</u> uugcugcucu.....	1	1	Z2_
.....cgaa <u>A</u> cauuuuuuugcugcucu.....	1	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcucu.....	2	1	Z2_
.....cgaaucuuauuu <u>ug</u> Agcugcucu.....	2	1	Z2_
.....cgaaucuuauuu <u>ug</u> Ugcgcu.....	1	1	Z2_
.....cg <u>G</u> aucauuauuuugcugcucu.....	2	1	Z2_
.....cgaaucuuauuu <u>ug</u> Cugcgcu.....	2	1	Z2_
.....cgaaucuuauuu <u>ug</u> Acugcucu.....	1	1	Z2_
.....cAaaucuuauuu <u>ug</u> cgcucu.....	1	1	Z2_
.....cgaauc <u>G</u> uuuuuuugcugcucu.....	2	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcucCa.....	2	1	Z2_
.....cgaauc <u>A</u> uauuu <u>ug</u> cgcucu.....	1	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcucu.....	23	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcCcua.....	4	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcucu.....	1	0	Z2_
.....cgaaucuuauuu <u>ug</u> cgcucu.....	9	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcucu.....	69	1	Z2_
.....cgaaucuuauuu <u>ug</u> cgcucuCa.....	8	1	Z2_
.....cga <u>G</u> ucuuauuuuuugcugcucu.....	1	1	Z2_

hsa-miR-15b-3p

hsa-miR-15b-5p

uuqaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacagucaagaugcgaaucauuuuugcugcucuagaaauuuaaggaaaauucau

.....cgaa <u>cauuuuugcugcucua</u> Ua.....	6	1	Z2_
.....cgaa <u>cauuuuugcugcucu</u> aga.....	1	0	Z2_
.....cgaa <u>cauuuuugcugcucua</u> la.....	18	1	Z2_
.....gaa <u>cauuCuuugcugcucua</u>	1	1	Z2_
.....gaa <u>cauuuuugcugcucua</u>	1	0	Z2_
.....gu <u>cguguagcagcacaucaugguuuaca</u>	1	1	GDM
.....u <u>cguguagcagcacaucauggu</u>	1	1	GDM
.....Cu <u>agcagcacaucauggu</u>	1	1	GDM
.....Au <u>agcagcacaucauggu</u>	1	1	GDM
.....Uu <u>agcagcacaucaugguu</u>	2	1	GDM
.....Cu <u>agcagcacaucaugguuuaca</u>	2	1	GDM
.....Cu <u>agcagcacaucaugguuuaca</u>	2	1	GDM
.....u <u>agUagcacaucauggu</u>	11	1	GDM
.....u <u>agcagcacGucauggu</u>	33	1	GDM
.....u <u>Gcagcacaucauggu</u>	14	1	GDM
.....u <u>agcUgcacaucauggu</u>	5	1	GDM
.....u <u>agcagcacGucauggu</u>	33	1	GDM
.....u <u>agcagcacGcauggu</u>	3	1	GDM
.....u <u>agcagcacauUauggu</u>	9	1	GDM
.....u <u>agcagcacaucaAggu</u>	3	1	GDM
.....u <u>agcGgcacaucauggu</u>	28	1	GDM
.....u <u>agcagcacaucCuggu</u>	5	1	GDM
.....u <u>agcUgcacaucauggu</u>	5	1	GDM
.....u <u>agcagcaAa<u>cauggu</u></u>	2	1	GDM
.....u <u>agcagcacaucaGggu</u>	5	1	GDM
.....u <u>Ugcagcacaucauggu</u>	6	1	GDM
.....u <u>agcagcacaucaug<u>Cuu</u></u>	2	1	GDM
.....u <u>agcagcacau<u>Guggu</u></u>	20	1	GDM
.....u <u>agcagcUcau<u>cauggu</u></u>	7	1	GDM
.....u <u>agcagCc<u>au<u>cauggu</u></u></u>	2	1	GDM
.....u <u>agcagcacau<u>Aguu</u></u>	6	1	GDM
.....u <u>a<u>Ucagcacau<u>cauggu</u></u></u>	5	1	GDM
.....u <u>agcagcU<u>cau<u>cauggu</u></u></u>	7	1	GDM
.....u <u>agcagcac<u>C<u>cauggu</u></u></u>	28	1	GDM
.....u <u>agcagcacau<u>caugg<u>Cu</u></u></u>	26	1	GDM
.....u <u>agcagcacau<u>caugg<u>Cu</u></u></u>	26	1	GDM
.....u <u>agcagcacau<u>Uauggu</u></u>	9	1	GDM
.....C <u>agcagcacau<u>cauggu</u></u>	21	1	GDM
.....u <u>agcagcacau<u>ca<u>Cggu</u></u></u>	16	1	GDM
.....u <u>agcagcacau<u>cauggu</u></u>	5491	0	GDM
.....u <u>agcagcac<u>G<u>cauggu</u></u></u>	3	1	GDM
.....u <u>agcagcacau<u>caugg<u>A</u></u></u>	107	1	GDM
.....u <u>agcGgcacau<u>cauggu</u></u>	28	1	GDM
.....u <u>agcagcac<u>A<u>cauggu</u></u></u>	6	1	GDM
.....u <u>agUagcacau<u>cauggu</u></u>	11	1	GDM
.....u <u>agcagcac<u>U<u>cauggu</u></u></u>	2	1	GDM
.....u <u>agcagcacau<u>caugg<u>A</u></u></u>	107	1	GDM
.....u <u>agcagcacau<u>caugg<u>G</u></u></u>	20	1	GDM
.....u <u>Ggcagcacau<u>cauggu</u></u>	14	1	GDM
.....u <u>agcagcac<u>G<u>cauggu</u></u></u>	33	1	GDM
.....u <u>agcagcacau<u>cauggu</u></u>	5491	0	GDM
.....u <u>a<u>Acagcacau<u>cauggu</u></u></u>	9	1	GDM
.....u <u>agcagcacau<u>ca<u>Cggu</u></u></u>	16	1	GDM
.....u <u>agcaU<u>cacau<u>cauggu</u></u></u>	3	1	GDM
.....u <u>agcagcaU<u>au<u>cauggu</u></u></u>	13	1	GDM
.....u <u>agUagcacau<u>cauggu</u></u>	11	1	GDM
.....u <u>agcagcacau<u>ca<u>Guggu</u></u></u>	20	1	GDM
.....u <u>agcGgcacau<u>cauggu</u></u>	28	1	GDM
.....u <u>agcagcac<u>A<u>cauggu</u></u></u>	6	1	GDM
.....u <u>agcUgcacau<u>cauggu</u></u>	5	1	GDM
.....u <u>agcagcacau<u>ca<u>Gggu</u></u></u>	5	1	GDM
.....u <u>agcagcacau<u>ca<u>Uuggu</u></u></u>	2	1	GDM
.....u <u>agcagcac<u>C<u>cauggu</u></u></u>	28	1	GDM
.....u <u>agcaAc<u>cacau<u>cauggu</u></u></u>	8	1	GDM
.....u <u>agcagcacau<u>ca<u>Aguu</u></u></u>	8	1	GDM
.....u <u>agcaAc<u>cacau<u>cauggu</u></u></u>	8	1	GDM
.....u <u>agcagcacau<u>ca<u>Aauu</u></u></u>	2	1	GDM
.....u <u>Ugcagcacau<u>cauggu</u></u>	6	1	GDM

hsa-miR-15b-3p

hsa-miR-15b-5p

uuuaggggccuuuaauuacuuguagcagcacaucaugguuuacaugcuacagucaagaaugcgaaaucauuuuuggcugcucuagaaauuuuuaaggaauuucau

.....uagAagcacaucauguu.....	1	1
.....uagcagcacaucaGgguu.....	5	1
.....uaAcagcacaucauguu.....	9	1
.....uagcagcacaucauggCu.....	26	1
.....uagcagCcaucauaugguu.....	2	1
.....Aagcagcacaucauguu.....	6	1
.....Caggagcacaucauguu.....	21	1
.....uagcagcGcaucauugguu.....	37	1
.....Caggagcacaucaugguu.....	21	1
.....uagcagcacaucaugguu.....	5491	0
.....uagcagcacaucaugCuu.....	2	1
.....uagcagcacaucauggAu.....	3	1
.....uagcagcaUaucauguu.....	13	1
.....uUgcagcacaucauguu.....	6	1
.....uagcagcUcaucauugguu.....	7	1
.....uagcagcacAcauguu.....	6	1
.....uagcagcacaucaugguC.....	377	1
.....uGgagcacaucauguu.....	14	1
.....uaggagcacaucauAguu.....	6	1
.....uagcagcacaucaugUuu.....	2	1
.....uagcagcacauUaugguu.....	9	1
.....uagcagcacaucaugAu.....	8	1
.....uagcagcacaucUgguu.....	5	1
.....uagcagcacaucaugguG.....	20	1
.....uagcagcacaucauAguu.....	6	1
.....uagcagcacaucaugguC.....	377	1
.....uagcagUacaucauggu.....	7	1
.....uagcagcacaucUgguu.....	5	1
.....uagcagcacaucaAgguu.....	3	1
.....uagdagGcaucauaugguu.....	37	1
.....uagcagcaUaucauguu.....	13	1
.....uagcagcacaucauUuu.....	1	1
.....uaAcagcacaucauguu.....	9	1
.....uagcagUacaucauguu.....	7	1
.....uagcagcacaucauCguu.....	1	1
.....uagcagcGcaucauugguu.....	37	1
.....uagcagcacaucaugguC.....	377	1
.....uagcagcacaucaCgguu.....	16	1
.....uagcaAcacaucauguu.....	8	1
.....Aagcagcacaucauguu.....	6	1
.....uagcagcacaucUgguu.....	20	1
.....uagcagcacCc auguu.....	28	1
.....uaUcagcacaucauguu.....	5	1
.....uagcagcacaucauggGu.....	3	1
.....uagcaCcacaucaugguu.....	1	1
.....uagcagUacaucauguu.....	7	1
.....uagcagcacaucaugguA.....	107	1
.....uagcagcacaucaugguG.....	20	1
.....Aagcagcacaucaugguu.....	6	1
.....uagcGgcacaucaugguu.....	20	1
.....uagcagCc caucauugguu.....	1	1
.....uagcagcacaucauggGuu.....	5	1
.....uagcUgcacaucaugguu.....	3	1
.....uagcagcacaucaugguG.....	10	1
.....uagcagcacCc augguu.....	20	1
.....uagcagcacaucUgguuu.....	17	1
.....uagcagUacaucaugguu.....	8	1
.....uagcagcacaucaugguC.....	346	1
.....uagcagcacaucaCgguu.....	11	1
.....uaUcagcacaucaugguu.....	3	1
.....uagcagcacaucaugAuu.....	4	1
.....uagcagcacaucaugguCu.....	17	1
.....uagcagcacaucaAgguu.....	4	1
.....uagcagcacaucaugguCu.....	17	1
.....uagcaUcacaucaugguu.....	1	1
.....uagcagcacaucaugAuu.....	4	1
.....uagcagcUcaucauugguu.....	11	1
.....Caggagcacaucaugguu.....	31	1
.....uagcagcacaucaugguGu.....	6	1

hsa-miR-15b-3p

hsa-miR-15b-5p

uugaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacagucaagaugcgaaucauuuuugcugcucugaaauuuaaggaauucau

.....uagcagcacaca <u>A</u> caugguuu.....	2	1	GDM
.....uagcagca <u>U</u> aucaugguuu.....	12	1	GDM
.....uagcag <u>U</u> acaucaugguuu.....	8	1	GDM
.....uagcagcacaca <u>ca</u> Agguuu.....	4	1	GDM
.....uagcGgcacaca <u>ca</u> u <u>u</u> caugguuu.....	20	1	GDM
.....uagcagcac <u>U</u> caugguuu.....	5	1	GDM
.....uagcagcacaca <u>ca</u> au <u>u</u> Agguuu.....	4	1	GDM
.....uagcagca <u>U</u> aucaugguuu.....	12	1	GDM
.....u <u>U</u> gcagcacaca <u>ca</u> u <u>u</u> caugguuu.....	8	1	GDM
.....uagca <u>Ac</u> aca <u>ca</u> u <u>u</u> caugguuu.....	3	1	GDM
.....ua <u>U</u> cagcacaca <u>ca</u> u <u>u</u> caugguuu.....	3	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>G</u> uu.....	5	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugguu <u>G</u>	10	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugguuu.....	4975	0	GDM
.....ua <u>A</u> cagcacaca <u>ca</u> u <u>u</u> caugguuu.....	10	1	GDM
.....uagcag <u>C</u> U <u>ca</u> u <u>u</u> caugguuu.....	11	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>G</u> u.....	6	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugguu <u>A</u>	70	1	GDM
.....uagcagcac <u>G</u> u <u>ca</u> u <u>u</u> caugguuu.....	38	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugguu <u>A</u>	70	1	GDM
.....uagcagcacaca <u>U</u> a <u>u</u> gg <u>uu</u> u.....	8	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> C <u>gg</u> uu.....	11	1	GDM
.....uagcagcacaca <u>U</u> a <u>u</u> gg <u>uu</u> u.....	8	1	GDM
.....uagcagca <u>U</u> au <u>u</u> caugguuu.....	12	1	GDM
.....ua <u>A</u> cagcacaca <u>ca</u> u <u>u</u> caugguuu.....	10	1	GDM
.....uagcagcacaca <u>ca</u> au <u>u</u> Agguuu.....	4	1	GDM
.....uagcagcac <u>A</u> ca <u>u</u> u <u>u</u> caugguuu.....	2	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugguu <u>G</u>	10	1	GDM
.....u <u>G</u> gcagcacaca <u>ca</u> u <u>u</u> caugguuu.....	24	1	GDM
.....uagcagcac <u>C</u> ca <u>u</u> u <u>u</u> caugguu.....	20	1	GDM
.....uagcagcac <u>G</u> u <u>ca</u> u <u>u</u> caugguu.....	38	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugguu <u>A</u>	70	1	GDM
.....u <u>G</u> gcagcacaca <u>ca</u> u <u>u</u> caugguu.....	24	1	GDM
.....uagcagcacaca <u>U</u> u <u>u</u> caugguu.....	2	1	GDM
.....ua <u>A</u> cagcacaca <u>ca</u> u <u>u</u> caugguu.....	10	1	GDM
.....uag <u>U</u> agcacaca <u>ca</u> u <u>u</u> caugguu.....	11	1	GDM
.....uagcag <u>U</u> acaca <u>ca</u> u <u>u</u> caugguu.....	8	1	GDM
.....uagcagcac <u>G</u> u <u>ca</u> u <u>u</u> caugguu.....	38	1	GDM
.....ua <u>C</u> cagcacaca <u>ca</u> u <u>u</u> caugguu.....	3	1	GDM
.....Cagcagcacaca <u>ca</u> u <u>u</u> caugguu.....	31	1	GDM
.....Aagcagcacaca <u>ca</u> u <u>u</u> caugguu.....	8	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugguu.....	4975	0	GDM
.....uagcagcac <u>U</u> ca <u>u</u> u <u>u</u> caugguu.....	5	1	GDM
.....uagcagcac <u>C</u> ca <u>u</u> u <u>u</u> caugguu.....	20	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugguu <u>C</u>	346	1	GDM
.....uagcagcacaca <u>U</u> c <u>u</u> u <u>u</u> caugguu.....	18	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> G <u>gg</u> uu.....	3	1	GDM
.....uag <u>C</u> U <u>gc</u> acaca <u>ca</u> u <u>u</u> caugguu.....	3	1	GDM
.....u <u>U</u> gcagcacaca <u>ca</u> u <u>u</u> caugguu.....	8	1	GDM
.....Cagcagcacaca <u>ca</u> u <u>u</u> caugguu.....	31	1	GDM
.....uagca <u>Ac</u> aca <u>ca</u> u <u>u</u> caugguu.....	3	1	GDM
.....uagcagcac <u>U</u> ca <u>u</u> u <u>u</u> caugguu.....	5	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>C</u> uu.....	19	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>G</u> u.....	6	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>G</u> u.....	19	1	GDM
.....uag <u>U</u> agcacaca <u>ca</u> u <u>u</u> caugguu.....	11	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>A</u> u.....	6	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>A</u> u.....	6	1	GDM
.....u <u>G</u> cgagcacaca <u>ca</u> u <u>u</u> caugguu.....	24	1	GDM
.....Aagcagcacaca <u>ca</u> u <u>u</u> caugguu.....	8	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>C</u> uu.....	19	1	GDM
.....uagcagcacaca <u>G</u> ca <u>u</u> u <u>u</u> caugguu.....	1	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>C</u> uu.....	19	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>A</u> uu.....	2	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> C <u>gg</u> uu.....	11	1	GDM
.....uag <u>C</u> U <u>gc</u> acaca <u>ca</u> u <u>u</u> caugguu.....	3	1	GDM
.....u <u>U</u> gcagcacaca <u>ca</u> u <u>u</u> caugguu.....	8	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>G</u> uu.....	3	1	GDM
.....uagcagcacaca <u>ca</u> u <u>u</u> caugg <u>A</u> uu.....	2	1	GDM

hsa-miR-15b-3p

hsa-miR-15b-5p

uuqaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacagucaagaug**cgaaucuuuuugcugcucu**gaaauuuaaggaaaucau

.....Aagcagcacaucaugguuu.....	8	1	GDM
.....uagcagcacaucaugguuu.....	4975	0	GDM
.....uagcagcacaucaugguCu.....	17	1	GDM
.....Gagcagcacaucaugguuu.....	2	1	GDM
.....uagUagcacaucaugguuu.....	11	1	GDM
.....uagcagcacaucaCugguuu.....	2	1	GDM
.....uagcagcGcaucaugguuu.....	19	1	GDM
.....uagcagcacaucGugguuu.....	18	1	GDM
.....uagcagcacaucUugguuu.....	17	1	GDM
.....uagcagcGcaucaugguuu.....	19	1	GDM
.....uagcagcacaucUugguuu.....	17	1	GDM
.....uagcGgcacaucaugguuu.....	20	1	GDM
.....uagcagcacaucGugguuu.....	18	1	GDM
.....uagcagcacaucaugguAu.....	6	1	GDM
.....uagcGgcacaucaugguuu.....	2	1	GDM
.....uagcagcUcaucaugguuu.....	11	1	GDM
.....uagcagcacaucaugguuuC.....	346	1	GDM
.....uagcaAcacaucaugguuu.....	3	1	GDM
.....uagcagcacaucaUugguuu.....	8	1	GDM
.....uagUagcacaucaugguuu.....	6	1	GDM
.....uagcagcacaucaugguuuG.....	17	1	GDM
.....ua ^c agcacaucaugguuu.....	2	1	GDM
.....uagcaUcacaucaugguuu.....	2	1	GDM
.....uagcUgcacaucaugguuu.....	6	1	GDM
.....uagcagcacaucaugAuuua.....	3	1	GDM
.....uagcagcacauCugguuu.....	2	1	GDM
.....uagcagcacaucaGgguuu.....	3	1	GDM
.....Aagcagcacaucaugguuu.....	9	1	GDM
.....uagcagUacaucaugguuu.....	7	1	GDM
.....uagcaUcacaucaugguuu.....	2	1	GDM
.....uagcagcGcaucaugguuu.....	10	1	GDM
.....Cagcagcacaucaugguuu.....	14	1	GDM
.....uagcagcacacCcugguuu.....	22	1	GDM
.....Cagcagcacaucaugguuu.....	14	1	GDM
.....uagcagcacauCugguuu.....	19	1	GDM
.....Gagcagcacaucaugguuu.....	1	1	GDM
.....uagcagcacaucaGgguuu.....	3	1	GDM
.....uagcagcacacCcugguuu.....	22	1	GDM
.....uagcagcacacGcaugguuu.....	1	1	GDM
.....uagcagcacaucaugguuu.....	2957	0	GDM
.....uagcagcacaucauggAuu.....	1	1	GDM
.....uagcagcacaucauggguCua.....	8	1	GDM
.....uGgcagcacaucaugguuu.....	8	1	GDM
.....uagcagcacaucaugguAu.....	1	1	GDM
.....uagcGgcacaucaugguuu.....	15	1	GDM
.....uagcagcacaucauggCuu.....	9	1	GDM
.....uagcagcacacCcugguuu.....	22	1	GDM
.....uagcagcacaucaCgguuu.....	13	1	GDM
.....uagGagcacaucaugguuu.....	1	1	GDM
.....uagcagcacUcaugguuu.....	3	1	GDM
.....uagcUgcacaucaugguuu.....	6	1	GDM
.....uagcGgcacaucaugguuu.....	15	1	GDM
.....uagcagcacauCugguuu.....	19	1	GDM
.....uagcagoacaucaugguuG.....	1	1	GDM
.....uagcagcacaucaGgguuu.....	3	1	GDM
.....uagcagcacaucaCgguuu.....	13	1	GDM
.....uagcagcacauCugguuu.....	4	1	GDM
.....uagcagcacauAugguuu.....	32	1	GDM
.....uGgcagcacaucaugguuu.....	8	1	GDM
.....uagcagUacaucaugguuu.....	7	1	GDM
.....uagUagcacaucaugguuu.....	6	1	GDM
.....uagcagcacaucaAguuu.....	2	1	GDM
.....uagcagcacaucauAguuu.....	2	1	GDM
.....uagcagcacaucaugguuG.....	17	1	GDM
.....uagcaAcacaucaugguuu.....	1	1	GDM
.....uagcUgcacaucaugguuu.....	6	1	GDM
.....uagcagcacaucaugAuuu.....	3	1	GDM
.....uagcagcacaucaugguuU.....	59	1	GDM
.....uagcagUacaucaugguuu.....	7	1	GDM

hsa-miR-15b-3p

hsa-miR-15b-5p

uuuaggccuuuaaguacuguagcagcacaucaugguuuuacauugcuacagucaagaug**cgaaucuuuuugcugcucu**gaaauuuaaggaaaucau

.....ua <u>Acagcacaucaugguuuu</u>	2	1	GDM
.....uagcagcacau <u>Uaugguuuu</u>	3	1	GDM
.....uag <u>Uagcacaucaugguuuu</u>	6	1	GDM
.....uagcagcacau <u>caugguuuG</u>	17	1	GDM
.....uagcagcacau <u>Aaugguuuu</u>	32	1	GDM
.....uagcagcacau <u>caugguCua</u>	8	1	GDM
.....uagcagcacau <u>caAgguuuu</u>	3	1	GDM
.....uagcagcac <u>Gucaugguuua</u>	9	1	GDM
.....ua <u>Ccagcacaucaugguuuu</u>	1	1	GDM
.....Cagcagcacau <u>caugguuuu</u>	14	1	GDM
.....uag <u>Aagcacaucaugguuuu</u>	1	1	GDM
.....uagcagcacau <u>Gugguuuu</u>	19	1	GDM
.....uagcagcacau <u>caugguuCa</u>	8	1	GDM
.....uagcagcacau <u>caugguuuu</u>	2957	0	GDM
.....uagcagcacau <u>caugguuuu</u>	2957	0	GDM
.....uagcag <u>caUaugguuua</u>	2	1	GDM
.....uagcagcacau <u>Cugguuuu</u>	2	1	GDM
.....uagcagcacau <u>caugguuuU</u>	59	1	GDM
.....uagcagcac <u>Cucaugguuua</u>	28	1	GDM
.....uagcagcacau <u>caugguuuC</u>	2	1	GDM
.....uagcagcacau <u>caugguuCa</u>	8	1	GDM
.....uagcagcac <u>Gucaugguuua</u>	9	1	GDM
.....uagcagcacau <u>caugAuuua</u>	3	1	GDM
.....uagcagcacau <u>caugguuCua</u>	8	1	GDM
.....uagcagcacau <u>caAgguuuu</u>	3	1	GDM
.....uag <u>Ggcacaucaugguuuu</u>	15	1	GDM
.....Aagcagcacau <u>caugguuuu</u>	9	1	GDM
.....uagcagc <u>Gcaucaugguuuu</u>	10	1	GDM
.....uagcag <u>Aacaucucaugguuuu</u>	1	1	GDM
.....uagcag <u>Gcaucaugguuuu</u>	10	1	GDM
.....uagcag <u>Ucaucaugguuuu</u>	2	1	GDM
.....uagcagcacau <u>Uugguuuu</u>	4	1	GDM
.....uagcag <u>Gacaucaugguuuu</u>	2	1	GDM
.....uagcagcacau <u>Cgguuuu</u>	13	1	GDM
.....uagcagcac <u>Gucaugguuua</u>	9	1	GDM
.....uGcagcacau <u>caugguuuu</u>	8	1	GDM
.....uagcag <u>caUaugguuua</u>	2	1	GDM
.....uagcagcac <u>Uucaugguuua</u>	3	1	GDM
.....ua <u>Cagcacaucaugguuuu</u>	1	1	GDM
.....Aagcagcacau <u>caugguuuu</u>	9	1	GDM
.....uagcagcacau <u>caugguuuU</u>	59	1	GDM
.....uagcagcacau <u>Uaugguuua</u>	3	1	GDM
.....uagcagcacau <u>cauggCuua</u>	9	1	GDM
.....uagcagcac <u>Acaugguuua</u>	2	1	GDM
.....uagcagcacau <u>Aaugguuua</u>	32	1	GDM
.....uagcagcac <u>Ccaugguuuac</u>	7	1	GDM
.....uag <u>Ggcacaucaugguuuac</u>	12	1	GDM
.....uagcagcac <u>Gcaugguuuac</u>	1	1	GDM
.....uagcagcacau <u>cauggCuuac</u>	8	1	GDM
.....uagcagcacau <u>caugguAuaC</u>	1	1	GDM
.....uag <u>Ugcacaucaugguuuac</u>	5	1	GDM
.....uagcag <u>Gcaucaugguuuac</u>	7	1	GDM
.....uGcagcacau <u>caugguuuac</u>	1	1	GDM
.....uagcag <u>caUaugguuuac</u>	5	1	GDM
.....uagcagcacau <u>Gugguuuac</u>	7	1	GDM
.....uagcagcacau <u>caugguuuac</u>	3	1	GDM
.....uag <u>Ggcacaucaugguuuac</u>	12	1	GDM
.....uagcagcacau <u>caCgguuuac</u>	4	1	GDM
.....uagcagcacau <u>cauggGuuac</u>	3	1	GDM
.....uagcagcacau <u>caugguuCac</u>	3	1	GDM
.....uagcagcacau <u>cauggguCuaC</u>	7	1	GDM
.....uagcagcacau <u>cauggCuuac</u>	8	1	GDM
.....uagcagcacau <u>caugguuuA</u>	171	1	GDM
.....Cagcagcacau <u>caugguuuac</u>	4	1	GDM
.....uagcagcacau <u>Gugguuuac</u>	7	1	GDM
.....uagcag <u>Uacaucaugguuuac</u>	5	1	GDM
.....uagcagcacau <u>caugguuuA</u>	36	1	GDM
.....uag <u>Aacaucaugguuuac</u>	4	1	GDM
.....uag <u>Aacaucaugguuuac</u>	4	1	GDM

hsa-miR-15b-3p

hsa-miR-15b-5p

uuqaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacaguacaagaugcgaaucauuuuugcugcucuaaaauuuaaggaaauuuac

.....uagcGgcacaucaugguuuac.....	12	1	GDM
.....uagcagcacaucUgguuuac.....	1	1	GDM
.....uagcagcacaucCugguuuac.....	1	1	GDM
.....uagcagcacaucauAguuuac.....	1	1	GDM
.....uagcagcGcaucaugguuuac.....	7	1	GDM
.....uagcagcacaucaugguuuac.....	1131	0	GDM
.....uagcagcacaucaugUuuuac.....	1	1	GDM
.....uagcagcacaucaugguuuA.....	36	1	GDM
.....uagcagcacaucaugguCuac.....	7	1	GDM
.....uagcagcacaucauggAuuac.....	3	1	GDM
.....uagcagcacCcugguuuac.....	7	1	GDM
.....uagcagcacaucaugguuuac.....	1131	0	GDM
.....uagcagcacaucaAguuuuac.....	2	1	GDM
.....uagcagcacGcaugguuuac.....	3	1	GDM
.....uagcagcacaucaugguuuA.....	36	1	GDM
.....uagcagcacaucaugguuuGc.....	2	1	GDM
.....uagcagUacaucaugguuuac.....	5	1	GDM
.....uagcagcacaucauGugguuuac.....	7	1	GDM
.....uagcagcacaucaugguuuUc.....	1	1	GDM
.....uagcagcacaucaugguuuU.....	171	1	GDM
.....uagcagcGcaucaugguuuac.....	7	1	GDM
.....uagcagcacaucauggGuuac.....	3	1	GDM
.....uagcagcacaucauUguuuac.....	1	1	GDM
.....uagcagcacUcaugguuuac.....	1	1	GDM
.....uagcagcacaucaugguCuac.....	7	1	GDM
.....uaUagcacaucaugguuuac.....	2	1	GDM
.....uagcagcacGcaugguuuac.....	3	1	GDM
.....Cagcagcacaucaugguuuac.....	4	1	GDM
.....uagcagcacaucaugguuuU.....	171	1	GDM
.....Aagcagcacaucaugguuuac.....	1	1	GDM
.....uagcagcacaucaAgguuuac.....	2	1	GDM
.....uagcagcacaucaugguuuCac.....	3	1	GDM
.....uagcagcacaucauggGuuuac.....	8	1	GDM
.....uagcaUcacaucaugguuuac.....	1	1	GDM
.....uagcagcacAcaugguuuac.....	2	1	GDM
.....uagcagcacAcaugguuuac.....	2	1	GDM
.....uagUagcacaucaugguuuac.....	1	1	GDM
.....uagUgcacaucaugguuuac.....	5	1	GDM
.....uagcagcaUaucaugguuuac.....	5	1	GDM
.....uagcagcacaucaugguuuac.....	1131	0	GDM
.....uagcagcacauUugguuuac.....	1	1	GDM
.....uagGagcacaucaugguuuac.....	1	1	GDM
.....uagcagcacCcugguuuac.....	7	1	GDM
.....uagcagcacaucaugguuuCc.....	2	1	GDM
.....uagcagcacauAugguuuaca.....	5	1	GDM
.....uagcagcacaucaugguuCaca.....	15	1	GDM
.....uagcaAcacaucaugguuuaca.....	16	1	GDM
.....uagcagcacaucaugguuAaca.....	3	1	GDM
.....uagcagcacauUugguuuaca.....	6	1	GDM
.....uagcagcacAcaugguuuaca.....	8	1	GDM
.....uagcagUacaucaugguuuaca.....	10	1	GDM
.....Aagcagcacaucaugguuuaca.....	20	1	GDM
.....uagcagcacaucaugguuuaca.....	2	1	GDM
.....uGgcagcacaucaugguuuaca.....	38	1	GDM
.....uagcagcacGcaugguuuaca.....	3	1	GDM
.....uagUagcacaucaugguuuaca.....	9	1	GDM
.....uagcagcacaucauUguuuaca.....	1	1	GDM
.....uagcagcGcaucaugguuuaca.....	43	1	GDM
.....Gagcagcacaucaugguuuaca.....	1	1	GDM
.....uagcagcaUaucaugguuuaca.....	11	1	GDM
.....uagcaUcacaucaugguuuaca.....	7	1	GDM
.....uagcagcacaucaugAuuuaca.....	7	1	GDM
.....uagUagcacaucaugguuuaca.....	9	1	GDM
.....uagcagcacGcaugguuuaca.....	51	1	GDM
.....uUgcagcacaucaugguuuaca.....	4	1	GDM
.....uagcagcacaucaCgguuuaca.....	23	1	GDM
.....uagcagcacaucaugguuuAa.....	3	1	GDM
.....uagcagcacaucaugguCuaca.....	15	1	GDM

hsa-miR-15b-3p

hsa-miR-15b-5p

uuqaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacagucaagaug**cgaaucuuuuugcugcucu**gaaauuuaaggaaauuaca

.....uagcagcacaucauggCuuaca.....	56	1	GDM
.....uagcagcacaucaugguCuaca.....	43	1	GDM
.....uagca <u>Ac</u> cacaucaugguuuaca.....	16	1	GDM
.....uagc <u>Ag</u> gcGcaucaugguuuaca.....	43	1	GDM
.....uagcUgcacaucaugguuuaca.....	6	1	GDM
.....uagcagcacau <u>A</u> ugguuuaca.....	5	1	GDM
.....uagc <u>Ag</u> Uacaucaugguuuaca.....	10	1	GDM
.....uagcagcacaucaugguuCaca.....	15	1	GDM
.....uagcagcacaucaugguuuacG.....	100	1	GDM
.....uagcagcacCc <u>a</u> ugguuuaca.....	42	1	GDM
.....uagcagcacaucaugguuuacG.....	100	1	GDM
.....uagc <u>Ag</u> ca <u>A</u> ucaugguuuaca.....	11	1	GDM
.....uagcagcacaucaugguuu <u>A</u>	11	1	GDM
.....Cagc <u>Ag</u> cacaucaugguuuaca.....	39	1	GDM
.....uagc <u>Ag</u> Aacaucaugguuuaca.....	1	1	GDM
.....uagcagcacaucauggu <u>C</u> uaca.....	43	1	GDM
.....uagcagcac <u>C</u> caugguuuaca.....	42	1	GDM
.....uagc <u>Ag</u> Ucaucaugguuuaca.....	9	1	GDM
.....uGc <u>Ag</u> cacaucaugguuuaca.....	38	1	GDM
.....uagc <u>Ag</u> ca <u>C</u> ucaugguuuaca.....	10	1	GDM
.....uagcagcacaucaugguuu <u>G</u>	4	1	GDM
.....uagcagcacaucauggu <u>C</u> uaca.....	43	1	GDM
.....uagcagcacauca <u>G</u> gguuuaca.....	4	1	GDM
.....uagcagcacaucaugguuu <u>A</u>	3	1	GDM
.....uagc <u>Ag</u> cacauca <u>G</u> gguuuaca.....	4	1	GDM
.....uagcagcacaucaugguuu <u>ac</u> C.....	6	1	GDM
.....uagcagcacaucaugguuuacG.....	100	1	GDM
.....uagc <u>Ag</u> ca <u>A</u> ucaugguuuaca.....	2	1	GDM
.....uagc <u>Ag</u> cacaucaugguuu <u>ac</u> C.....	6	1	GDM
.....uGc <u>Ag</u> cacaucaugguuuaca.....	38	1	GDM
.....uagc <u>Ag</u> ca <u>A</u> caugguuuaca.....	8	1	GDM
.....uagc <u>Ag</u> cacauca <u>C</u> gguuuaca.....	23	1	GDM
.....u <u>A</u> u <u>Ag</u> cacaucaugguuuaca.....	8	1	GDM
.....uagc <u>Ag</u> cacaucaugguuu <u>G</u>	4	1	GDM
.....u <u>C</u> g <u>Ag</u> cacaucaugguuuaca.....	3	1	GDM
.....uagc <u>Ag</u> ca <u>A</u> ucaugguuu <u>A</u>	3	1	GDM
.....A <u>Ag</u> c <u>Ag</u> cacaucaugguuuaca.....	20	1	GDM
.....uagc <u>Ag</u> cacaucauggu <u>A</u> uaca.....	6	1	GDM
.....uagc <u>Ag</u> cacauca <u>A</u> guuuuaca.....	8	1	GDM
.....uagc <u>Ag</u> cacaucaugguuu <u>A</u>	3	1	GDM
.....uagc <u>Ag</u> Ucaucaugguuuaca.....	9	1	GDM
.....uagc <u>Ag</u> C <u>ca</u> caucaugguuuaca.....	4	1	GDM
.....uagc <u>Ag</u> cacaucaugguuuaca.....	8594	0	GDM
.....uagc <u>Ag</u> cacaucaugguuu <u>G</u> ca.....	29	1	GDM
.....uagc <u>Ag</u> cacau <u>C</u> ugguuuaca.....	27	1	GDM
.....uagc <u>Ag</u> cacaucaugguuu <u>ac</u> C.....	6	1	GDM
.....uag <u>G</u> agcacaucaugguuuaca.....	3	1	GDM
.....u <u>A</u> l <u>Ag</u> cacaucaugguuuaca.....	13	1	GDM
.....uagc <u>Ag</u> cacau <u>C</u> ugguuuaca.....	13	1	GDM
.....uagc <u>Ag</u> Ca <u>ca</u> caucaugguuuaca.....	4	1	GDM
.....uagc <u>Ag</u> cacaucaugguuu <u>C</u> ca.....	1	1	GDM
.....uag <u>C</u> a <u>ca</u> caucaugguuuaca.....	7	1	GDM
.....uagc <u>Ag</u> cacauca <u>u</u> aggGuuaca.....	5	1	GDM
.....u <u>A</u> l <u>Ag</u> cacaucaugguuuaca.....	13	1	GDM
.....uagc <u>Ag</u> Ca <u>ca</u> caucaugguuuaca.....	43	1	GDM
.....uagc <u>Ag</u> cacaucaugguuu <u>G</u> ca.....	29	1	GDM
.....uagc <u>Ag</u> cacaucaugguuu <u>A</u> aca.....	3	1	GDM
.....uagc <u>Ag</u> cacau <u>C</u> ugguuuaca.....	13	1	GDM
.....u <u>G</u> ag <u>Ag</u> cacaucaugguuuaca.....	4	1	GDM
.....uagc <u>Ag</u> ca <u>A</u> caugguuuaca.....	8	1	GDM
.....uagc <u>Ag</u> cacaucaugguuu <u>A</u>	11	1	GDM
.....uag <u>C</u> ca <u>ca</u> caucaugguuuaca.....	3	1	GDM
.....uagc <u>Ag</u> ca <u>u</u> caucaugguuuaca.....	10	1	GDM
.....A <u>Ag</u> c <u>Ag</u> cacaucaugguuuaca.....	20	1	GDM
.....uagc <u>Ag</u> cacaucaugg <u>A</u> uaca.....	3	1	GDM
.....uagc <u>Ag</u> ca <u>A</u> ucaugguuuaca.....	11	1	GDM
.....uag <u>G</u> gc <u>ca</u> caucaugguuuaca.....	41	1	GDM
.....uagc <u>Ag</u> cacaucaug <u>C</u> uuuaca.....	3	1	GDM
.....uagc <u>Ag</u> cacaucau <u>u</u> gg <u>A</u> uaca.....	6	1	GDM

hsa-miR-15b-3p

hsa-miR-15b-5p

uugaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacagucaagaugcgaaucuuauuuugcugcucugaaauuuaaggaaauuaca

.....uagcagcacaucaug <u>aaaa</u> aca.....	7	1	GDM
.....uagcGgcacaucaug <u>gggg</u> uaca.....	41	1	GDM
.....uagcCgcacaucaug <u>gggg</u> uaca.....	3	1	GDM
.....uagcagcacaucaug <u>uuuu</u> aca.....	1	1	GDM
.....uagcagcacaucaug <u>GGuu</u> aca.....	5	1	GDM
.....uagUagcacaucaug <u>gggg</u> uaca.....	9	1	GDM
.....uagcagcac <u>C</u> ucaug <u>gggg</u> uaca.....	6	1	GDM
.....uagcGgcacaucaug <u>gggg</u> uaca.....	3	1	GDM
.....uagcag <u>V</u> acaucaug <u>gggg</u> uaca.....	10	1	GDM
.....uagcagcacaucaug <u>gggg</u> u <u>C</u>	7	1	GDM
.....uagcagcacauca <u>Cggg</u> uaca.....	23	1	GDM
.....uagcagcacau <u>A</u> aug <u>gggg</u> uaca.....	5	1	GDM
.....uagcagcacau <u>caug</u> gg <u>Guu</u> aca.....	5	1	GDM
.....uagcagcac <u>G</u> u <u>cauggg</u> uaca.....	51	1	GDM
.....Cagcagcacau <u>cauggg</u> uaca.....	39	1	GDM
.....uagcagcacau <u>caug</u> Ch <u>uu</u> aca.....	3	1	GDM
.....uagcagcacau <u>Cugg</u> uaca.....	3	1	GDM
.....uagcagcacau <u>cau</u> A <u>guuu</u> aca.....	8	1	GDM
.....uagcagcacau <u>cau</u> A <u>gguuu</u> aca.....	8	1	GDM
.....uaUagcacau <u>cauggg</u> uaca.....	8	1	GDM
.....uagcagcac <u>G</u> a <u>ugggg</u> uaca.....	3	1	GDM
.....uagcGgcacau <u>cauggg</u> uaca.....	41	1	GDM
.....uagcagcacau <u>caug</u> g <u>Guu</u> aca.....	3	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>ac</u>	106	1	GDM
.....uag <u>c</u> acau <u>cauggg</u> uaca.....	7	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>C</u>	7	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>ac</u>	8594	0	GDM
.....uagcagcacau <u>cauggg</u> u <u>C</u>	7	1	GDM
.....uag <u>c</u> acau <u>cauggg</u> uaca.....	3	1	GDM
.....Cagcagcacau <u>cauggg</u> uaca.....	39	1	GDM
.....uag <u>c</u> acau <u>cauggg</u> uaca.....	16	1	GDM
.....uagcagcacau <u>cau</u> A <u>guuu</u> aca.....	8	1	GDM
.....uagcagcacau <u>cau</u> A <u>gguuu</u> aca.....	6	1	GDM
.....uaUagcacau <u>cauggg</u> uaca.....	8	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>ac</u>	106	1	GDM
.....uag <u>c</u> acau <u>cauggg</u> uaca.....	56	1	GDM
.....uagcag <u>ca</u> u <u>cauggg</u> uaca.....	1	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>Ua</u>	11	1	GDM
.....uaA <u>cg</u> acau <u>cauggg</u> uaca.....	13	1	GDM
.....uagcagcac <u>U</u> u <u>cauggg</u> uaca.....	10	1	GDM
.....uagcagcacau <u>Cugg</u> uaca.....	3	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>G</u>	29	1	GDM
.....uagcagcacau <u>caug</u> g <u>Guu</u> aca.....	6	1	GDM
.....uagcagcacau <u>cau</u> A <u>gguuu</u> aca.....	8	1	GDM
.....uagcagcacau <u>caug</u> g <u>Cuu</u> aca.....	56	1	GDM
.....uCgcagcacau <u>cauggg</u> uaca.....	3	1	GDM
.....uagcagcac <u>G</u> u <u>cauggg</u> uaca.....	51	1	GDM
.....uagcagcac <u>C</u> ca <u>uggg</u> uaca.....	42	1	GDM
.....uagcagcacau <u>Ua</u> gg <u>uuu</u> aca.....	6	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>ac</u>	106	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>ac</u>	8594	0	GDM
.....uagcagcacau <u>Gugg</u> uaca.....	27	1	GDM
.....uagcagcacau <u>Ugg</u> uaca.....	13	1	GDM
.....uag <u>c</u> acau <u>cauggg</u> uaca.....	6	1	GDM
.....uagcagcacau <u>Gugg</u> uaca.....	27	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>ac</u>	9	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>ac</u>	9	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>ac</u>	3	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>ac</u>	9	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>ac</u>	3	1	GDM
.....uagcagcacau <u>cauggg</u> u <u>ac</u>	2	1	GDM
.....agcagcacau <u>cauggg</u> u.....	1	0	GDM
.....g <u>cgaa</u> u <u>cauuuu</u> ug <u>cugc</u>	2	0	GDM
.....cgaa <u>cauuuu</u> ug <u>cug</u>	2	1	GDM
.....cgaa <u>cauuuu</u> ug <u>cugc</u>	4	0	GDM
.....cgaa <u>cauuuu</u> ug <u>cugc</u>	4	0	GDM
.....cgaa <u>cauuuu</u> ug <u>cug</u>	2	1	GDM
.....cgaa <u>cauuuu</u> ug <u>cugc</u>	2	1	GDM
.....cgaa <u>Uauuuuu</u> ug <u>cugc</u>	10	1	GDM

hsa-miR-15b-3p

hsa-miR-15b-5p

uugaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacagucaagaugcgaacauuuuuaggaaauucau

.....cgaa <u>ucauu</u> Uuuugcugcu.....	6	1	GDM
.....cgaa <u>ucauu</u> uuuugcugcu.....	289	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Cgcugcu</u>	25	1	GDM
.....cgaa <u>ucauu</u> uuuugcug <u>G</u>	56	1	GDM
.....cgaa <u>Ccauu</u> uuuugcugcu.....	21	1	GDM
.....cgaa <u>ucauu</u> Cuugcugcu.....	22	1	GDM
.....cgaa <u>ucauu</u> u <u>Cugcugcu</u>	16	1	GDM
.....cgaa <u>ucau</u> Cauuuugcugcu.....	5	1	GDM
.....cgaa <u>Ccauu</u> uuuugcugcu.....	21	1	GDM
.....Ugaa <u>ucauu</u> uuuugcugcu.....	18	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Cgcugcu</u>	25	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Agcugcu</u>	3	1	GDM
.....cgaa <u>ucauu</u> uuuugcugcu.....	15	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Acugcu</u>	7	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Acugcu</u>	7	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Agcugcu</u>	1	1	GDM
.....cgaa <u>ucauu</u> uuuugGugcu.....	4	1	GDM
.....cgaa <u>uc</u> Uuuuuuugcugcu.....	1	1	GDM
.....cgaa <u>ucauu</u> uuuugCgcu.....	8	1	GDM
.....cgaa <u>ucauu</u> uuuugCgcu.....	8	1	GDM
.....cgaa <u>ucauu</u> uuu <u>AgcugcuA</u>	152	1	GDM
.....cgaa <u>uc</u> Guuuuuugcugcu.....	14	1	GDM
.....cgaa <u>ucauu</u> uuuugcugcu.....	15	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Agcugcu</u>	3569	0	GDM
.....cgaa <u>ucauu</u> uuu <u>AgcugcuU</u>	1	1	GDM
.....cga <u>Gucauu</u> uuuugcugcu.....	12	1	GDM
.....cgaa <u>ucauu</u> Cuugcugcu.....	22	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Acugcu</u>	7	1	GDM
.....Ggaa <u>ucauu</u> uuuugcugcu.....	1	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Gugcu</u>	4	1	GDM
.....cgaa <u>ucau</u> Cauuuugcugcu.....	5	1	GDM
.....cgaa <u>ucauu</u> Uuuuuugcugcu.....	6	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Agcugcu</u>	8	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Acugcu</u>	7	1	GDM
.....cgaa <u>ucauu</u> Guuuugcugcu.....	9	1	GDM
.....cgaa <u>Gcauu</u> uuuugcugcu.....	1	1	GDM
.....cgaa <u>ucauu</u> Auuuuugcugcu.....	4	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Uugcu</u>	3	1	GDM
.....cgaa <u>ucauu</u> uuu <u>AgcugcuA</u>	152	1	GDM
.....cgaa <u>ucau</u> Cuugcugcu.....	22	1	GDM
.....cg <u>Gaucuu</u> uuuugcugcu.....	15	1	GDM
.....cg <u>Gaucuu</u> uuu <u>Agcugcu</u>	15	1	GDM
.....cg <u>Gaucuu</u> uuu <u>Agcugcu</u>	16	1	GDM
.....cAaa <u>ucauu</u> uuuugcugcu.....	9	1	GDM
.....cg <u>Gaucuu</u> uuu <u>Agcugcu</u>	15	1	GDM
.....cgaa <u>ucauu</u> uuu <u>AgcugcuG</u>	56	1	GDM
.....cgaa <u>Uauuu</u> uuuugcugcu.....	10	1	GDM
.....Ugaa <u>ucauu</u> uuuugcugcu.....	18	1	GDM
.....cgaa <u>uc</u> Guuuuuugcugcu.....	14	1	GDM
.....Agaa <u>ucauu</u> uuuugcugcu.....	6	1	GDM
.....cAaa <u>ucauu</u> uuuugcugcu.....	9	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Cgcugcu</u>	25	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Agcugcu</u>	3569	0	GDM
.....cAaa <u>ucauu</u> uuu <u>Agcugcu</u>	9	1	GDM
.....cgaa <u>ucauu</u> uuu <u>AgcugcuU</u>	2	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Uugcu</u>	3	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Agcugcu</u>	3569	0	GDM
.....Agaa <u>ucauu</u> uuu <u>Agcugcu</u>	6	1	GDM
.....cgaa <u>ucauu</u> uuu <u>AgcugcuG</u>	56	1	GDM
.....cgaa <u>ucauu</u> Auuuuugcugcu.....	4	1	GDM
.....cgaa <u>ucauu</u> Uuuuuugcugcu.....	6	1	GDM
.....cg <u>Caucuu</u> uuu <u>Agcugcu</u>	5	1	GDM
.....cgaa <u>ucauu</u> uuu <u>AgcugcuG</u>	1	1	GDM
.....cgaa <u>Acauu</u> uuu <u>Agcugcu</u>	5	1	GDM
.....cgaa <u>ucauu</u> Guuuugcugcu.....	9	1	GDM
.....cgaa <u>ucauu</u> uuu <u>Agcugcu</u>	4	1	GDM
.....cgaa <u>ucauu</u> uuu <u>AgcugcuA</u>	7	1	GDM
.....Agaa <u>ucauu</u> uuu <u>Agcugcu</u>	6	1	GDM
.....cgaa <u>ucauu</u> uuu <u>AgcugcuG</u>	1	1	GDM

hsa-miR-15b-3p

hsa-miR-15b-5p

uugaggccuuuaaguacuguagcagcacaucaugguuuacaugcuacagucaagaugcgaaucauuuuuugcugcucuagaaauuuuaaggaaaaucau

.....CgaaucuuauuuugcAgcu.....	3	1	GDM
.....CgaaucuuAuauuuugcugcu.....	4	1	GDM
.....CgaaucuuauuuugcugGu.....	1	1	GDM
.....CgaaucuuGuuuggcugcu.....	9	1	GDM
.....CgaaucuuauuuugAugcu.....	2	1	GDM
.....CgaaucuuAuuggcugcu.....	2	1	GDM
.....CgaaucuuCauuuggcugcu.....	5	1	GDM
.....CgUaucuuauuuugcugcu.....	3	1	GDM
.....CgaaucuuauuuuugcugcC.....	289	1	GDM
.....Cgaaucuuauuuugcugcu.....	10	1	GDM
.....CgaaucGuuauuuugcugcu.....	14	1	GDM
.....CgaaucCuuauuuugcugcu.....	15	1	GDM
.....CgaGucuuauuuuugcugcu.....	12	1	GDM
.....CgUaucuuauuuugcugcu.....	3	1	GDM
.....CgaaucuuauCugcugcu.....	16	1	GDM
.....CgUaucuuauuuugcugcu.....	3	1	GDM
.....CgaaucuuauuuugcugcC.....	289	1	GDM
.....CgaaucuuauuuuugcugcA.....	152	1	GDM
.....CgCaucuuauuuugcugcu.....	5	1	GDM
.....Ugaaucuuauuuugcugcu.....	18	1	GDM
.....CgaaCcuaauuuugcugcu.....	21	1	GDM
.....CgaaAcuuauuuugcugcu.....	5	1	GDM
.....CgaaucuuauuuugcugAu.....	1	1	GDM
.....CgaaucuuauuuugAugcu.....	2	1	GDM
.....CgaaucuuauuuugcugcuA.....	19	1	GDM
.....Cgaaucuuauuuuugcugcug.....	2	1	GDM
.....Cgaaucuuauuuugcugcuc.....	1	1	GDM
.....CgaaucuuauuuugcugcuU.....	11	1	GDM
.....CgaaucuuUuuuggcugcuc.....	1	1	GDM
.....Cgaaucuuauuuuugcugcuc.....	110	0	GDM
.....CgaaucuuauAuuggcugcuc.....	1	1	GDM
.....Cgaaucuuauuuugcugcuc.....	110	0	GDM
.....CgaaucuuauuuugcugcugU.....	11	1	GDM
.....Cgaaucuuauuuugcugcuc.....	1	1	GDM
.....Cgaaucuuauuuuugcugcuc.....	110	0	GDM
.....Cgaaucuuauuuugcugcuc.....	11	1	GDM
.....Cgaaucuuauuuugcugcuc.....	1	1	GDM
.....Cgaaucuuauuuuugcugcuc.....	110	0	GDM
.....CgaaucuuauuuugcugcugU.....	11	1	GDM
.....CgaaucuuauuuAgcugcuc.....	1	1	GDM
.....CgaaucuuauuuugcugcugA.....	19	1	GDM
.....CgaaucUuuauuuugcugcuc.....	2	1	GDM
.....CgaaucuuauuuugcugcugA.....	19	1	GDM
.....CgaaucauCauuuggcugcuc.....	1	1	GDM
.....CgaaucuuauuuugcugcuAcuc.....	2	1	GDM
.....CgaaucuuGuuuggcugcucu.....	1	1	GDM
.....CgaaGcuaauuuugcugcucu.....	1	1	GDM
.....CgaaucuuauuuuugCgcucu.....	4	1	GDM
.....CgaaucuuauCuuggcugcucu.....	3	1	GDM
.....CgaaucuuauuuuugcugcucA.....	62	1	GDM
.....CgaaucuuauuuuugcugcucC.....	77	1	GDM
.....CAAaucuuauuuugcugcucu.....	1	1	GDM
.....CgaaucuCuauuuggcugcucu.....	5	1	GDM
.....CgaaucuuauuuuugcugcucG.....	14	1	GDM
.....CgaUucuuauuuugcugcucu.....	1	1	GDM
.....CgaaucUuuauuuugcugcucu.....	1	1	GDM
.....CgGaucuuauuuugcugcucu.....	4	1	GDM
.....CgaaucuCuauuuggcugcucu.....	5	1	GDM
.....Cgaaucuuauuuuugcugcuc.....	3	1	GDM
.....CgaaucuuauGuuuggcugcucu.....	1	1	GDM
.....CgaaAcuuauuuugcugcucu.....	2	1	GDM
.....Cgaaucuuauuuugcugcucu.....	822	0	GDM
.....CgGaucuuauuuugcugcucu.....	4	1	GDM
.....Cgaaucuuauuuuugcugcucu.....	3	1	GDM
.....CgaaucuuauAuuggcugcucu.....	1	1	GDM
.....CgaaucuuCauuuggcugcucu.....	2	1	GDM
.....Cgaaucuuauuuuugcugcucu.....	2	1	GDM
.....Cgaaucuuauuuugcugcucu.....	4	1	GDM
.....Cgaaucuuauuuuugcugcucu.....	4	1	GDM
.....Cgaaucuuauuuuugcugcucu.....	2	1	GDM
.....Cgaaucuuauuuuugcugcucu.....	1	1	GDM
.....CgaaucuuauuuuUcugcucu.....	2	1	GDM
.....CgaaucuuauuuuugCgcucu.....	4	1	GDM

hsa-miR-15b-3p

hsa-miR-15b-5p

uugaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacagucaagaugcgaaaucuuuuugcugcucugaaauuuaaggaaaucau

.....cgaa <u>ucuuuuugcugU</u> cu.....	3	1	GDM
.....cgaa <u>ucuuuuugcugcucu</u>	6	1	GDM
.....cgaa <u>ucuuuuugcugcucu</u>	822	0	GDM
.....cgaa <u>ucuuuuugcugcucu</u>	6	1	GDM
.....cgaa <u>ucuuuuuAcugcucu</u>	2	1	GDM
.....cgaa <u>ucuCuuuugcugcucu</u>	5	1	GDM
.....cgaa <u>ucauAuuuugcugcucu</u>	1	1	GDM
.....cgaa <u>ucuuuuugcugCc</u> u.....	3	1	GDM
.....cgaa <u>Ccauuuuugcugcucu</u>	4	1	GDM
.....cgaa <u>ucuuuugcugcucu</u>	6	1	GDM
.....cgaa <u>Ccauuuuugcugcucu</u>	4	1	GDM
.....cgaa <u>ucuuuuugcugcucu</u>	6	1	GDM
.....cgaa <u>ucuuuaCuuugcugcucu</u>	3	1	GDM
.....cgaa <u>ucuuuGuuggcugcucu</u>	2	1	GDM
.....cgaa <u>ucuuuuugcugcucG</u>	14	1	GDM
.....Ggaa <u>ucuuuuugcugcucu</u>	2	1	GDM
.....cgaa <u>ucuuuuugcugcucA</u>	62	1	GDM
.....cgaa <u>ucuuuuugcugcucG</u>	14	1	GDM
.....cgaa <u>ucuuuuugcugcucA</u>	62	1	GDM
.....cgaa <u>ucuuuuugcugU</u> cu.....	3	1	GDM
.....cgaa <u>ucuuuuugcugcucC</u>	77	1	GDM
.....cgaa <u>ucuuuuuCcugcucu</u>	7	1	GDM
.....cgaa <u>ucuuuuugcugcucu</u>	822	0	GDM
.....cgaa <u>ucuuuuugcugcucu</u>	2	1	GDM
.....cgaa <u>ucuuuuuugcugcucC</u>	77	1	GDM
.....cgGau <u>ucuuuuugcugcucua</u>	2	1	GDM
.....cgaa <u>ucuuuuugcugcucua</u>	4	1	GDM
.....cgaa <u>ucuuuuugcugcucuG</u>	5	1	GDM
.....cgaa <u>ucuuuuuCgcugcucua</u>	3	1	GDM
.....cgaa <u>ucuuuuuugcugcucuC</u>	4	1	GDM
.....Agaa <u>ucuuuuuugcugcucua</u>	1	1	GDM
.....cgaa <u>ucuuuuuugcugcucuG</u>	5	1	GDM
.....cgaa <u>uauuuuugcugcucua</u>	2	1	GDM
.....cCaa <u>ucuuuuuugcugcucua</u>	1	1	GDM
.....cgaa <u>ucuuuuuugcugcucua</u>	4	1	GDM
.....cga <u>ucuuuuuugcugcucua</u>	4	1	GDM
.....cgaa <u>ucuuuaAuugcugcucua</u>	2	1	GDM
.....cgaa <u>ucuuuuugCgcucua</u>	3	1	GDM
.....cgaa <u>ucuuuuuAcugcucua</u>	3	1	GDM
.....cgaa <u>ucuuuuuugcugcucuC</u>	4	1	GDM
.....cga <u>ucuuuuuugcugcucua</u>	4	1	GDM
.....Ugaa <u>ucuuuuuugcugcucua</u>	3	1	GDM
.....cgaa <u>ucuuuuuugcugcucua</u>	3	1	GDM
.....cgaa <u>ucuuuuuugcugcucuG</u>	5	1	GDM
.....cgaa <u>ucuuuuuugcugcucAa</u>	1	1	GDM
.....cga <u>ucuuuuuugcugcucua</u>	4	1	GDM
.....cgaa <u>ucuuuuuugcugcucua</u>	701	0	GDM
.....cAaa <u>ucuuuuuugcugcucua</u>	1	1	GDM
.....cgaa <u>ucuuuuuAcugcucua</u>	3	1	GDM
.....cgaa <u>ucuuuuuugcugcucGa</u>	2	1	GDM
.....cgaa <u>ucuuuuuugcugCcua</u>	2	1	GDM
.....cgaa <u>ucuuuuuugcugcucuU</u>	48	1	GDM
.....cgaa <u>ucuuuugcugcucua</u>	2	1	GDM
.....cgaa <u>Acuuuuuugcugcucua</u>	6	1	GDM
.....cgaa <u>ucuuuGuuggcugcucua</u>	1	1	GDM
.....cgaa <u>ucuuuuugcugcucGa</u>	2	1	GDM
.....cgaa <u>ucuuuuuugcugcucua</u>	701	0	GDM
.....cgaa <u>ucuuuugcugcucua</u>	2	1	GDM
.....cgaa <u>ucuuuaAuugcugcucua</u>	2	1	GDM
.....cgaa <u>ucuuuugcugcucua</u>	1	1	GDM
.....cgaa <u>Acuuuuuugcugcucua</u>	6	1	GDM
.....cgaa <u>ucuuuuuugcugcucuU</u>	48	1	GDM
.....cgaa <u>ucuuuuuugcugcucua</u>	1	1	GDM
.....cgaa <u>ucuuuuuugUugcugcucua</u>	1	1	GDM
.....cgaa <u>ucuuuuuugcugcucua</u>	701	0	GDM
.....cgaa <u>ucuuuuuugcgcucua</u>	3	1	GDM
.....cgaa <u>ucuuuuuugcugcucuU</u>	48	1	GDM
.....cgaa <u>ucuuuuuugcugcucua</u>	4	1	GDM
.....cgaa <u>Ccauuuuuugcugcucua</u>	4	1	GDM

hsa-miR-15b-3p

hsa-miR-15b-5p

uuqaggccuuuaaguacugagcagcacacaucaugguuuuacaugcuacuagugc**gaaucuuuuuugcugcucu**agaaauuuuuaggaaaucau

.....cgaa <u>u</u> uuuuuuugcugcucu.....	2	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>ag</u>	19	0	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>G</u>	2	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>U</u>	37	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>ag</u>	19	0	GDM
.....cg <u>G</u> auuuuuuugcugcucu <u>ag</u>	1	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>C</u>	1	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>A</u>	137	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>U</u>	37	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>al</u>	137	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>ag</u>	19	0	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>U</u>	37	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>A</u>	137	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>Ca</u>	13	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>Ca</u>	13	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>Ala</u>	28	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>Ala</u>	28	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>aga</u>	10	0	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>aga</u>	10	0	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>aga</u>	10	0	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>Ua</u>	8	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>Ala</u>	28	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>Alaa</u>	5	1	GDM
.....cgaa <u>u</u> uuuuuuugcugcucu <u>Alaa</u>	5	1	GDM
.....gaa <u>u</u> uuuuuuugcug <u>cu</u>	3	0	GDM
.....gaa <u>u</u> uuuuuuugcug <u>cu</u>	1	0	GDM
.....Cu <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> uu <u>u</u> ac <u>a</u>	1	1	Z3_
.....u <u>ag</u> c <u>a</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> uu.....	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>U</u> ca <u>ca</u> u <u>gg</u> uu.....	1	1	Z3_
.....u <u>ag</u> c <u>U</u> gc <u>ac</u> au <u>ca</u> u <u>gg</u> uu.....	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>A</u>	14	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>U</u>	2	1	Z3_
.....u <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u.....	6	1	Z3_
.....u <u>G</u> gc <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u.....	5	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> A <u>ca</u> u <u>gg</u> u.....	1	1	Z3_
.....u <u>ag</u> c <u>G</u> gc <u>ac</u> au <u>ca</u> u <u>gg</u> u.....	3	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>C</u>	68	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u.....	790	0	Z3_
.....u <u>ag</u> U <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u.....	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> U <u>ac</u> au <u>ca</u> u <u>gg</u> u.....	2	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>G</u> ca <u>ca</u> u <u>gg</u> u.....	5	1	Z3_
.....u <u>u</u> U <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u.....	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> G <u>gg</u> u.....	2	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> A <u>guu</u>	5	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>G</u>	3	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>Cu</u>	2	1	Z3_
.....C <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u.....	7	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>G</u>	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>Aguu</u>	2	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>Guu</u>	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>Gu</u>	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>Gu</u>	3	1	Z3_
.....u <u>u</u> U <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>Guu</u>	2	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>Guu</u>	8	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>Aguuu</u>	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> C <u>gg</u> u.....	4	1	Z3_
.....u <u>G</u> gc <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u.....	3	1	Z3_
.....u <u>ag</u> c <u>ag</u> c <u>ac</u> au <u>ca</u> u <u>gg</u> u <u>Auu</u>	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> C <u>gc</u> ac <u>ca</u> u <u>gg</u> u.....	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> A <u>ca</u> ac <u>ca</u> u <u>gg</u> u.....	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> U <u>ca</u> ac <u>ca</u> u <u>gg</u> u.....	1	1	Z3_
.....u <u>ag</u> c <u>ag</u> U <u>ca</u> ac <u>ca</u> u <u>gg</u> u.....	2	1	Z3_
.....u <u>ag</u> c <u>ag</u> A <u>ca</u> ac <u>ca</u> u <u>gg</u> u.....	1	1	Z3_

hsa-miR-15b-3p

hsa-miR-15b-5p

uuqaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacagucaagaugc**gaaucuuuuugcugcucu**gaaauuuaaggaaaucau

.....uagcagcacaucaugguuuC.....	77	1	Z3_-
.....uagcagcacGucaugguuu.....	1	1	Z3_-
.....uagcagcacaucaugAuuu.....	2	1	Z3_-
.....uagcagcaUaucaugguuu.....	4	1	Z3_-
.....uagcagcacacaCaugguuu.....	2	1	Z3_-
.....uagcagcacaucaugguuu.....	1099	0	Z3_-
.....uagcagcacaucaugguuG.....	4	1	Z3_-
.....uagcagcacacaAcaugguuu.....	3	1	Z3_-
.....Cagcagcacaucaugguuu.....	5	1	Z3_-
.....uagcagcacaucGugguuu.....	6	1	Z3_-
.....uagcagcacaucaugguuA.....	16	1	Z3_-
.....uagcUgcacaucaugguuu.....	2	1	Z3_-
.....Aagcagcacaucaugguuu.....	1	1	Z3_-
.....uagcagcacaucauggCuu.....	1	1	Z3_-
.....uagcagcacaucaugguuuC.....	1	1	Z3_-
.....uagCgcacaucaugguuuA.....	1	1	Z3_-
.....uagcagUacaucaugguuuA.....	3	1	Z3_-
.....uagcagcGcaucaugguuuA.....	2	1	Z3_-
.....uagcagcacacaAcaugguuuA.....	1	1	Z3_-
.....uagcagcacauAaugguuuA.....	2	1	Z3_-
.....uagcagcacaucaugguuuG.....	1	1	Z3_-
.....uUgcagcacaucaugguuuA.....	1	1	Z3_-
.....uagcagcacaucaugguuCa.....	3	1	Z3_-
.....uagcagcacaucaugAuuuA.....	1	1	Z3_-
.....uagcagcacacaCaugguuuA.....	5	1	Z3_-
.....uagcagcacaucaugguuuA.....	494	0	Z3_-
.....uagcagcacGucaugguuuA.....	3	1	Z3_-
.....uagcagcacaucaugguuuU.....	7	1	Z3_-
.....uagcagcacaucaucGugguuuA.....	2	1	Z3_-
.....uagcagcacaucaCgguuuA.....	1	1	Z3_-
.....AagcagcacaucaugguuuA.....	1	1	Z3_-
.....uCgcagcacaucaugguuuA.....	2	1	Z3_-
.....uagcagcacaucaugguuuA.....	1	1	Z3_-
.....uGgcagcacaucaugguuuA.....	1	1	Z3_-
.....uagcagGcaucaugguuuuAc.....	2	1	Z3_-
.....uagcagcacaucaugguuuuA.....	4	1	Z3_-
.....uagcagcacaucaugguuuuAc.....	214	0	Z3_-
.....uagcagcacaucaugguuuuAG.....	3	1	Z3_-
.....uagcagcacaucaugguuuuAU.....	37	1	Z3_-
.....CagcagcacaucaugguuuuAC.....	2	1	Z3_-
.....uagUagcacaucaugguuuuAC.....	2	1	Z3_-
.....uagcagcacGucaugguuuAc.....	3	1	Z3_-
.....uagcGgcacaucaugguuuuAc.....	2	1	Z3_-
.....uagcagcacaucaCgguuuAc.....	1	1	Z3_-
.....uagcagcacaucaugguuCuuAc.....	1	1	Z3_-
.....uagcagcacaucaugguCuuAc.....	1	1	Z3_-
.....uaAagcacaucaugguuuuAcA.....	3	1	Z3_-
.....uagcagcacGucaugguuuAcA.....	9	1	Z3_-
.....uagcagcacaucaugguuuuAcG.....	31	1	Z3_-
.....uagcagcacAcaugguuuAcA.....	4	1	Z3_-
.....uagcagcacaucauggGuuAcA.....	5	1	Z3_-
.....uUgcagcacaucaugguuuuAcA.....	2	1	Z3_-
.....uagcagcacaucaugguuuuAA.....	1	1	Z3_-
.....uagcGgcacaucaugguuuuAcA.....	6	1	Z3_-
.....uagcagcacauUaugguuuAcA.....	2	1	Z3_-
.....uagcagcacaucaugguuuuAgA.....	1	1	Z3_-
.....uagcagcacaucauAguuuuAcA.....	2	1	Z3_-
.....AagcagcacaucaugguuuuAcA.....	5	1	Z3_-
.....uCgcagcacaucaugguuuuAcA.....	3	1	Z3_-
.....uagcagcacaucaugguuuuAcc.....	3	1	Z3_-
.....uagcagcacaucaCgguuuAcA.....	6	1	Z3_-
.....uagcagcGcaucaugguuuAcA.....	10	1	Z3_-
.....uagcagcacacaCaugguuuuAcA.....	16	1	Z3_-
.....uagUagcacaucaugguuuuAcA.....	4	1	Z3_-
.....uagUgcacaucaugguuuuAcA.....	3	1	Z3_-
.....uGgcagcacaucaugguuuuAcA.....	11	1	Z3_-
.....uagcagcacaucaugguuuuAcA.....	4	1	Z3_-
.....uagcagcacaucaugguuAuAcA.....	2	1	Z3_-
.....uagcagcacaucaugguuuuAcA.....	19	1	Z3_-

hsa-miR-15b-3p

hsa-miR-15b-5p

uugaggccuuuaaguacuguagcagcacaucaugguuuuacaugcuacaguaugcgaaucuuuuuggcugcucugaaauuuaaggaaauuaca

.....uagcagca <u>AAucaugguuuuaca</u>	1	1	Z3_
.....uagcag <u>Uacaucaugguuuuaca</u>	1	1	Z3_
.....uagcag <u>cacaucaugguuuuGca</u>	10	1	Z3_
.....uagcag <u>cacaucaugguuggAuuaca</u>	1	1	Z3_
.....uagcag <u>cacaucaugguuuuacU</u>	25	1	Z3_
.....Cagcag <u>cacaucaugguuuuaca</u>	8	1	Z3_
.....uagcag <u>cacucaugguuuuaca</u>	1	1	Z3_
.....uagcag <u>cacaucaugguuggCuuaca</u>	9	1	Z3_
.....uagcag <u>cacaucaugguuuuaca</u>	1933	0	Z3_
.....uagcag <u>cacaucaGgguuuuaca</u>	1	1	Z3_
.....uagcag <u>cacaucaugguuuuCaCa</u>	3	1	Z3_
.....uagca <u>Acacaucaugguuuuaca</u>	8	1	Z3_
.....uagcag <u>cacaucaugguuggCuaca</u>	9	1	Z3_
.....uagcag <u>cacaucaugguuuuacaA</u>	6	1	Z3_
.....cgaa <u>Ccauuuuuggcugcu</u>	2	1	Z3_
.....cgGau <u>cauuuuuggcugcu</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggcugcC</u>	59	1	Z3_
.....cgaa <u>ucuuuaCuugcugcu</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggcugcu</u>	2	1	Z3_
.....cgaa <u>ucuuauuugcugcu</u>	2	1	Z3_
.....Ugaa <u>ucuuuuuggcugcu</u>	1	1	Z3_
.....cgaa <u>ucuuAuuggcugcu</u>	2	1	Z3_
.....cgaa <u>ucuuauCugcugcu</u>	1	1	Z3_
.....cgaa <u>ucuuuugcugcu</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggcugCG</u>	6	1	Z3_
.....cgaa <u>ucuuuuuggcugcA</u>	23	1	Z3_
.....cgaa <u>ucuuuugcugcu</u>	2	1	Z3_
.....Agaa <u>ucuuuuuggcugcu</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggcugcuAcu</u>	1	1	Z3_
.....cAaa <u>ucuuuuuggcugcu</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggcgc</u>	1	1	Z3_
.....cgaa <u>Uauuuuuggcugcu</u>	4	1	Z3_
.....cgaa <u>ucuuuuuggcugcu</u>	2	1	Z3_
.....cga <u>Guauuuuggcugcu</u>	1	1	Z3_
.....cgaa <u>ucuuuuggcugcu</u>	1	1	Z3_
.....cgaa <u>ucuuuuggcugcu</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggcugcu</u>	478	0	Z3_
.....cgaa <u>ucuuuuuggcugcuA</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggcugcuU</u>	3	1	Z3_
.....cgaa <u>ucuuuuuggcugcuc</u>	17	0	Z3_
.....cgaa <u>ucuuuuuggcugcucA</u>	17	1	Z3_
.....cgaa <u>ucuuuuuggcugcucu</u>	1	1	Z3_
.....cgaa <u>ucuuuuggcugcucu</u>	2	1	Z3_
.....cgaa <u>ucuuuuuggcugcucu</u>	134	0	Z3_
.....cgaa <u>ucuuuuuggcugcuc</u>	12	1	Z3_
.....Ugaa <u>ucuuuuuggcugcucu</u>	1	1	Z3_
.....Agaa <u>ucuuuuuggcugcucu</u>	2	1	Z3_
.....cgaa <u>ucuuuaCuugcugcucu</u>	3	1	Z3_
.....cgaa <u>ucuuuuuggcugccu</u>	4	1	Z3_
.....cAaa <u>ucuuuuuggcugcucu</u>	4	1	Z3_
.....cgaa <u>ucuuuuuggcugcucG</u>	3	1	Z3_
.....cga <u>Guauuuuggcugcucu</u>	2	1	Z3_
.....cgaa <u>ucuuuuuggcugcucua</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggcCcucua</u>	2	1	Z3_
.....cgaa <u>ucuuuuuggCcucua</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggCcucua</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggCcucua</u>	3	1	Z3_
.....cgaa <u>ucuuuuuggCcucua</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggCcucua</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggCcucua</u>	2	1	Z3_
.....cgaa <u>ucuuuuuggCcucua</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggCcucua</u>	3	1	Z3_
.....cgaa <u>ucuuuuuggCcucua</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggCcucua</u>	6	1	Z3_
.....Ugaa <u>ucuuuuuggcugcucu</u>	2	1	Z3_
.....cgaa <u>ucuuuuggcugcucua</u>	2	1	Z3_
.....cgaa <u>ucuuuuuggcugcucCa</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggcugcucua</u>	146	0	Z3_
.....cgaa <u>ucuuuuuggcugcucua</u>	1	1	Z3_
.....cgaa <u>ucuuuuuggcugcucuag</u>	1	0	Z3_

hsa-miR-15b-3p

hsa-miR-15b-5p

uugaggccuuuaaguacuguagcagcacaucaugguuuacaugcuacagucaagaugcgaaucauuuuugcugcucuagaaauuuaaggaaaucau

.....	cgaa <u>ucauuuuugcugcucua</u> U.....	10	1	Z3_-
.....	cgaa <u>ucauuuuugcugcucu</u> Ug.....	2	1	Z3_-
.....	cgaa <u>ucauuuuugcugcucua</u> A.....	31	1	Z3_-
.....	cgaa <u>ucauuuuugcugcucua</u> Ca.....	3	1	Z3_-
.....	cgaa <u>ucauuuuugcugcucua</u> Aa.....	5	1	Z3_-
.....	cgaa <u>ucauuuuugcugcucu</u> aga.....	3	0	Z3_-