

ggaggcccguuuucucucuugguuuacucagcuguauagagugccacagagccgucuaaaagcuaagauaacccgaaaguuagaaugauucuca

.ucuuugguuuacucagcCguauG.....	5	1	GDM
.ucCuugguuuacucagcuguauG.....	4	1	GDM
.ucGuugguuuacucagcuguauG.....	1	1	GDM
.ucuuugguuuacucagcuguauGg.....	41	1	GDM
.ucuuugguuuacucagcuguauGg.....	6	1	GDM
.ucuuugguCaucucagcuguauG.....	2	1	GDM
.ucuuugguuuacucagcuguauG.....	1	1	GDM
.ucuuugguuuacucagcuguauA.....	53	1	GDM
.ucuuCgguuuacucagcuguauG.....	6	1	GDM
.ucuuugguuuacucagcuguauC.....	2	1	GDM
.ucuuGgguuuacucagcuguauG.....	2	1	GDM
.ucuuGgguuuacucagcuguauG.....	2	1	GDM
.ucuuugguuuacucagcugGaug.....	1	1	GDM
.ucuuugguuuacucagcuguauA.....	53	1	GDM
.ucuuuggCuacucagcuguauG.....	3	1	GDM
.CcuugguuuacucagcuguauG.....	6	1	GDM
.ucuuugguuuacucagcuguauG.....	1280	0	GDM
.ucuuugguuuacucagcuguauG.....	1280	0	GDM
.ucuuuggCuacucagcuguauG.....	3	1	GDM
.ucuuugguuuacucagcAguauG.....	2	1	GDM
.ucuuugguuuacucagcuguauU.....	5	1	GDM
.CcuugguuuacucagcuguauG.....	6	1	GDM
.AcuugguuuacucagcuguauG.....	1	1	GDM
.ucuuugguuuacucagcugCaug.....	1	1	GDM
.ucuuugguuuacucagUguauG.....	1	1	GDM
.ucuuugguuuacucagcuguGug.....	4	1	GDM
.ucCuugguuuacucagcuguauG.....	4	1	GDM
.ucuuugguuuacucagcuguauG.....	1280	0	GDM
.ucuuugguuuacucagcuguauA.....	53	1	GDM
.GcuugguuuacucagcuguauG.....	1	1	GDM
.ucuuugguuuacucagcuguauC.....	2	1	GDM
.ucuuugguuuacucagcuguauU.....	5	1	GDM
.ucCuugguuuacucagcuguauG.....	4	1	GDM
.ucuuugguuuacAagcuguauG.....	3	1	GDM
.ucuuugguuuacucagcCguauG.....	5	1	GDM
.ucuuugguuuacucagcuguauG.....	1	1	GDM
.ucuuugguuuacucagcuguauCg.....	6	1	GDM
.ucuuuAguuacucagcuguauG.....	2	1	GDM
.ucuuugguuuacucagcAuuauG.....	1	1	GDM
.ucuuugguCaucucagcuguauG.....	2	1	GDM
.ucuuugguuuacucagcGguauG.....	1	1	GDM
.ucCuugguuuacucagcuguauG.....	1	1	GDM
.ucuuugguuuacCagcuguauG.....	1	1	GDM
.ucuuugAuuuacucagcuguauGa.....	4	1	GDM
.ucuuugguuuacucagcCguauGa.....	4	1	GDM
.ucuuugguuuacucagcuguauGU.....	61	1	GDM
.ucuuugguuuacucagcuguauGa.....	1	1	GDM
.ucuuugAuuuacucagcuguauGa.....	4	1	GDM
.ucCuugguuuacucagcuguauGa.....	2	1	GDM
.ucuuugguuuacuaAcuguauGa.....	1	1	GDM
.ucuuugguuuacucagcuguauUa.....	1	1	GDM
.ucuuugguuuacucagcuguauGa.....	4	1	GDM
.ucuuugguuuacucagcugCauga.....	1	1	GDM
.ucuuugguuuacucagcAuuauGa.....	7	1	GDM
.ucuuugguuuacucagcuguauGG.....	5	1	GDM
.ucuuugguuuacucagcuguauAga.....	1	1	GDM
.ucuuugguuuacAagcuguauGa.....	4	1	GDM
.ucuuugguuuacucagcuguauGU.....	61	1	GDM
.ucuuugguuuacucagcuguauGC.....	6	1	GDM
.ucuuuggCuacucagcuguauGa.....	2	1	GDM
.ucuuugguuuacucagcAguauGa.....	4	1	GDM
.ucuuugguuuacucagcAuuauGa.....	7	1	GDM
.ucuuugguuuacucagcuguauGa.....	4	1	GDM
.ucCuugguuuacucagcuguauGa.....	3	1	GDM
.ucuuugguuuGucucagcuguauGa.....	1	1	GDM
.ucuuugguuuacucagcuguauGa.....	976	0	GDM
.ucuuugguuuacucagcCguauGa.....	4	1	GDM
.ucuuugguuuacucagcuguauGU.....	61	1	GDM
.ucuuugguuuacucagcuguauCga.....	1	1	GDM

ggaggcccguuuucucucuugguuuacucagcuguauagugccacagagccgucuaaaagcugauaacccgaaagugaaugauucuca

.ucuuugguuuacucagcuguauA	14	1	Z2_
.ucuuugguuuacucagcuguauug	813	0	Z2_
.ucuuugguuuacucagcuguauug	1	1	Z2_
.ucuuugguuuacucagcCguauug	5	1	Z2_
.ucuuugguuuacucGcuguauug	2	1	Z2_
.ucuuugguuuacucagcuguauC	6	1	Z2_
.ucuuugguuuacucagcuAuaug	1	1	Z2_
.ucuuugguuuacucagAuguaug	1	1	Z2_
.ucuuCgguuuacucagcuguauug	2	1	Z2_
.ucuuugguuuacucagcuUuaug	1	1	Z2_
.Acuuugguuuacucagcuguauug	1	1	Z2_
.ucuuugguuuacucagcuguauGg	1	1	Z2_
.ucuuugguuuacucagcuguauCg	3	1	Z2_
.ucGuugguuuacucagcuguauug	1	1	Z2_
.ucuuugguuGucagcuguauug	1	1	Z2_
.ucuuugguuuacucagcuguauU	2	1	Z2_
.ucUGugguuuacucagcuguauuga	1	1	Z2_
.ucuuugguuuacucagcCguauuga	2	1	Z2_
.ucuuugguuuacucGgcuguauuga	1	1	Z2_
.ucUCugguuuacucagcuguauuga	1	1	Z2_
.ucAUugguuuacucagcuguauuga	1	1	Z2_
.ucuuugguuuacCagcuguauuga	2	1	Z2_
.ucuuugguuuacucagcuguauugC	2	1	Z2_
.ucuuugguuGucagcuguauuga	1	1	Z2_
.ucuuugguuuacucagcuUuauga	1	1	Z2_
.ucCuugguuuacucagcuguauuga	1	1	Z2_
.ucuuugguuuacucagcuguauuga	563	0	Z2_
.ucuuugguuuacuaAcuguauuga	1	1	Z2_
.ucuuugguuCaucagcuguauuga	1	1	Z2_
.ucuuCgguuuacucagcuguauuga	1	1	Z2_
.ucuuugguuuacucagcuguauAga	1	1	Z2_
.ucuuugguuuacucagcuguauugG	4	1	Z2_
.ucuuugguuuacucagcuguauugU	33	1	Z2_
.ucuuugguuuacucagcuguauugaA	27	1	Z2_
.ucuuugguuuacucagcuguauugag	2	0	Z2_
.ucuuugguuuacucagcuguauugaU	24	1	Z2_
.ucuuugguuuacucagcuguauugaC	1	1	Z2_
.ucuuugguuuacucagcuguauugaUu	1	1	Z2_
.cuuugguuuacucagcuguauuga	6	0	Z2_
.cuuugguuuacucagcuguGuga	1	1	Z2_
.cuuugguuGucagcuguauuga	1	1	Z2_
.cuuugguuuacucagcuguauugaA	3	1	Z2_
.cuuugguuuacucagcuguauugaU	1	1	Z2_
.uuuaagcugauaacccgaa	4	0	Z2_
.uuuaagcugauaacccgaaagu	1	0	Z2_
.ucuuugguuuacucagcugua	8	0	Z1_
.Ccuuugguuuacucagcugua	1	1	Z1_
.ucuuugguuuacucagcuguau	63	0	Z1_
.ucuuugguuuacucagcuAua	1	1	Z1_
.ucuuCgguuuacucagcuguau	1	1	Z1_
.Gcuuugguuuacucagcuguau	2	1	Z1_
.ucuuugguuuacucagcuguauG	2	1	Z1_
.ucuuugguuGaucagcuguau	2	1	Z1_
.ucuuugguuuacAagcuguauug	1	1	Z1_
.ucuuugguuuacucagcuguauA	9	1	Z1_
.ucuuugguuGucagcuguauug	1	1	Z1_
.ucuuAgguuuacucagcuguauug	1	1	Z1_
.ucuuugguuuacucagcuguauC	1	1	Z1_
.ucuuugguuuacucagcuguauU	2	1	Z1_
.Ccuuugguuuacucagcuguauug	2	1	Z1_
.ucuuugguuuacucagcuguauug	3	1	Z1_
.ucuuugguuuacucagAuguaug	1	1	Z1_
.ucuuugguuAaucagcuguauug	1	1	Z1_
.ucuuugguuuacucagcuguauug	506	0	Z1_
.ucUGugguuuacucagcuguauug	1	1	Z1_
.ucuuugguuuacucagcCguauug	1	1	Z1_
.ucuuugguuuacucCgcuguauuga	1	1	Z1_
.Acuuugguuuacucagcuguauuga	1	1	Z1_

ggaggcccguuuucucucuugguuuacucagcuguauagagugccacagagccgucuaaaagcuagauaacccgaaguagaaugauucuca

.ucuuugguuuacucGgcuguauaga	1	1	Z1_
.ucuuCgguuuacucagcuguauaga	1	1	Z1_
.Ccuuugguuuacucagcuguauaga	2	1	Z1_
.Gcuuugguuuacucagcuguauaga	1	1	Z1_
.ucuuugguuuacucagcuguCuga	1	1	Z1_
.ucuuugguuuacucagcuguauaga	1	1	Z1_
.ucuuugguuuacucagcuCuauga	1	1	Z1_
.ucuuugguuuacucagcCguauaga	2	1	Z1_
.ucuuugguuuacucagcugCauga	1	1	Z1_
.ucuuugguuuacCagcuguauaga	3	1	Z1_
.ucuuugguuuacucagcAguauaga	1	1	Z1_
.ucuuugguuuacucagcuguauagC	1	1	Z1_
.ucuuugguuuacucagcuguauaga	367	0	Z1_
.ucCuugguuuacucagcuguauaga	1	1	Z1_
.ucuuugguuuacucagcuAuauaga	1	1	Z1_
.ucuuugguuuacucagcuguauagU	14	1	Z1_
.ucuuugguuuacucagcuguauagaA	9	1	Z1_
.ucuuugguuuacucagcuguauagU	6	1	Z1_
.ucuuugguuuacucagcuguauagaC	1	1	Z1_
.ucuuugguuuacucagcuguauagagugccac	1	0	Z1_
.Ccuuugguuuacucagcuguauagagugccac	1	1	Z1_
.cuuugguuuacucagcuguauag	1	0	Z1_
.cuuugguuuGuagcuguauag	2	1	Z1_
.cuuugguuuacucagcuguauaga	6	0	Z1_
.uuugguuuacucagcuguauaga	2	0	Z1_
.auaaagcuagauaacccgaagu	2	0	Z1_
.cucuugguuuacucagcuguauag	1	0	Z3_
.ucuuugguuuacucagcugu	3	0	Z3_
.ucuuugguuuacucagcugua	6	0	Z3_
.ucuuugguuuacucagcuAuau	1	1	Z3_
.ucuuugguuuacucagcuguac	1	1	Z3_
.ucuuugguuuacucagcuguau	66	0	Z3_
.ucuuugguuuGucagcuguau	1	1	Z3_
.ucuuugguuuacucagcuguA	4	1	Z3_
.ucuuugguuuacucagcuguCug	1	1	Z3_
.ucuuugguuuacucagcuguauA	19	1	Z3_
.ucuuugguuuacucagcuguauag	1	1	Z3_
.ucuuugguuuacucagcuguauag	704	0	Z3_
.ucuuugguuuacucagcuguauU	1	1	Z3_
.ucuuugguuuAcuagcuguauag	1	1	Z3_
.ucCuugguuuacucagcuguauag	2	1	Z3_
.ucuuugguuuacucagcuguauC	2	1	Z3_
.ucuuugguuuacucGcuguauag	1	1	Z3_
.ucuuugguuuacCagcuguauag	1	1	Z3_
.ucuuuUgguuacucagcuguauaga	1	1	Z3_
.ucuuuggCuacucagcuguauaga	1	1	Z3_
.ucuuugguuuAcuagcuguauaga	1	1	Z3_
.ucuuugguuuacucagcuguauUa	1	1	Z3_
.ucuuugguuuacucagcuguauagU	23	1	Z3_
.uGuuugguuuacucagcuguauaga	2	1	Z3_
.ucuuugguuuacucagcuguGuga	1	1	Z3_
.Acuuugguuuacucagcuguauaga	1	1	Z3_
.ucuuugguuuacucagcuguauaga	2	1	Z3_
.ucuuugguuuacucagcuguauagC	1	1	Z3_
.ucuuugguuuacucagcuguauAa	1	1	Z3_
.ucuuugguCaucagcuguauaga	2	1	Z3_
.ucuuugguuuacucagcuguauaga	450	0	Z3_
.ucuuugguuuacucagcuguauaga	1	1	Z3_
.ucuuugguuuGucagcuguauaga	2	1	Z3_
.ucuuugguuuacucagcuguauagG	1	1	Z3_
.ucuuugguuuacucagcCguauaga	2	1	Z3_
.ucuuugguuuacucagcuguauagU	12	1	Z3_
.ucuuugguuuacucagcuguauagaA	14	1	Z3_
.ucuuugguuuacucagcuguauagaUu	1	1	Z3_
.cuuugguuuacucagcuguau	2	0	Z3_
.cuuugguuuacucagcuguauag	2	0	Z3_
.cuuugguuuGuagcuguauaga	1	1	Z3_
.cuuugguuuacucagcuguauagU	1	1	Z3_

hsa-miR-9-5p

hsa-miR-9-3p

ggaggcccguuucucucuuggguuauacuagcuguauagagugccacagagccgucuaaaagcuagauaacCGaaaguagaaugauucua

..... cuuuggguuauacuagcuguauagU.....	1	1	Z3_
..... uaaagcuagauaacCGaaagu.....	8	0	Z3_
..... uaaagcuagauaacCGaaagA.....	1	1	Z3_
..... uaaagcuagauaacCGaaagua.....	1	0	Z3_