

ccuguugccacaaccccguagauccgaacuugugguauuagucgcgcacaagcuugaucuauagguaugugucuguuagg

.....Caacc <u>ccguagauccgaacuu</u> gugg.....	2	1	Z1_
.....aacc <u>ccguagauccgaacuu</u>	2	0	Z1_
.....aacc <u>ccguagauccgaacuu</u> g.....	54	0	Z1_
.....aacc <u>ccguagauccgaacuu</u> Å.....	2	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> GC.....	22	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> GG.....	1	1	Z1_
.....Uacc <u>ccguagauccgaacuu</u> g.....	1	1	Z1_
.....aacc <u>ccguaUauccgaacuu</u> g.....	1	1	Z1_
.....aaccU <u>guagauccgaacuu</u> g.....	1	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> Åu.....	1	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> Gcuu <u>g</u>	3	1	Z1_
.....aGcc <u>ccguagauccgaacuu</u> g.....	2	1	Z1_
.....aacc <u>ccguagGuccgaacuu</u> g.....	2	1	Z1_
.....aaUcc <u>guagauccgaacuu</u> g.....	1	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> GA.....	5	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> Gcuu <u>g</u>	23	1	Z1_
.....aacc <u>ccguGgauccgaacuu</u> g.....	2	1	Z1_
.....aacc <u>ccguagaCccgaacuu</u> g.....	4	1	Z1_
.....aacA <u>ccguagauccgaacuu</u> g.....	1	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> g.....	278	0	Z1_
.....aacc <u>ccguagGuccgaacuu</u> gug.....	5	1	Z1_
.....aacc <u>ccguUgauccgaacuu</u> gug.....	1	1	Z1_
.....aacU <u>ccguagauccgaacuu</u> gug.....	1	1	Z1_
.....aacc <u>ccguagCuccgaacuu</u> gug.....	1	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> guÅ.....	59	1	Z1_
.....Uacc <u>ccguagauccgaacuu</u> gug.....	3	1	Z1_
.....aacc <u>ccguaÅauccgaacuu</u> gug.....	31	1	Z1_
.....aacc <u>ccguGgauccgaacuu</u> gug.....	1	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> gugC.....	3	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> gug.....	993	0	Z1_
.....aacc <u>ccCuagauccgaacuu</u> gug.....	1	1	Z1_
.....aacc <u>ccguagaÅccgaacuu</u> gug.....	1	1	Z1_
.....aacc <u>ccguagauccCaacuu</u> gug.....	1	1	Z1_
.....aaA <u>ccguagauccgaacuu</u> gug.....	1	1	Z1_
.....aacc <u>ccguagauccAgaacuu</u> gug.....	1	1	Z1_
.....aacc <u>ccgCagaucgaacuu</u> gug.....	2	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> Gu <u>g</u>	1	1	Z1_
.....aaccU <u>uagauccgaacuu</u> gug.....	1	1	Z1_
.....aaUcc <u>guagauccgaacuu</u> gug.....	1	1	Z1_
.....aacc <u>ccguagaCccgaacuu</u> gug.....	6	1	Z1_
.....aUcc <u>guagauccgaacuu</u> gug.....	2	1	Z1_
.....aacc <u>ccguaUauccgaacuu</u> gug.....	1	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> Gu <u>g</u>	5	1	Z1_
.....aacA <u>ccguagauccgaacuu</u> gug.....	1	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> gugCg.....	11	1	Z1_
.....aacc <u>ccÅuagauccgaacuu</u> gug.....	1	1	Z1_
.....Cacc <u>ccguagauccgaacuu</u> gug.....	1	1	Z1_
.....aGcc <u>ccguagauccgaacuu</u> gug.....	4	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> Gu <u>g</u>	6	1	Z1_
.....aaccU <u>guagauccgaacuu</u> gug.....	1	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> guU.....	2	1	Z1_
.....Gacc <u>ccguagauccgaacuu</u> gug.....	6	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> Gu <u>g</u>	4	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> Cgug.....	2	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> gugC.....	13	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> gugU.....	94	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> guGA.....	142	1	Z1_
.....aacc <u>ccguagauccgaacuu</u> gugg.....	3	0	Z1_
.....aacc <u>ccguagauccgaacuu</u> gugÅu.....	3	1	Z1_
.....acc <u>ccguagauccgaacuu</u> gugU.....	3	1	Z1_
.....aaacc <u>ccguaÅauccgaacuu</u> gug.....	1	1	GDM
.....aacc <u>ccguagauccgCa</u> cu.....	1	1	GDM
.....aacc <u>ccguagauccgaacuu</u>	2	0	GDM
.....aacc <u>ccguagauccgaacuu</u> g.....	15	0	GDM
.....aacc <u>ccguagauccgaacuu</u> g.....	15	0	GDM
.....aacc <u>ccguagauccgaacuu</u> g.....	1	1	GDM
.....aacc <u>ccguagauccgaacuu</u> Å.....	2	1	GDM
.....aacc <u>ccguagauccgaacuu</u> Gg.....	1	1	GDM

ccuguugccacaaccccguagauccgaacuuggguauuagucgcgacaagcuugaucuauagguaugugucuguuagg

.....aacc <u>ccguagauccgaacuug</u>	15	0	GDM
.....aacc <u>ccguagauccgaacuAg</u>	1	1	GDM
.....aacc <u>cgCagauccgaacuug</u>	1	1	GDM
.....aacc <u>ccguagauccgaGcuug</u>	1	1	GDM
.....aacc <u>ccguagauccgaacuugA</u>	4	1	GDM
.....aacc <u>cgCagauccgaacuug</u>	1	1	GDM
.....aacc <u>ccguagauccgaacuugG</u>	1	1	GDM
.....aacc <u>ccguagauccgaacuugA</u>	4	1	GDM
.....aacc <u>ccguagauccgaaUuug</u>	1	1	GDM
.....aacc <u>ccguagauccgaacuug</u>	234	0	GDM
.....aacc <u>ccguagauccgaaCuAu</u>	1	1	GDM
.....aacc <u>ccguagauccgaaCuug</u>	1	1	GDM
.....aacc <u>ccguagauccgaCcuug</u>	30	1	GDM
.....aacc <u>ccguagauccgaCcuug</u>	30	1	GDM
.....aacc <u>ccguagauccgaCcuug</u>	30	1	GDM
.....aacc <u>ccguagaCccgaacuug</u>	1	1	GDM
.....aacc <u>ccguagauccgaacCuug</u>	2	1	GDM
.....aacc <u>ccguagauccgaacuugC</u>	27	1	GDM
.....aacc <u>ccguagauccgaacCuug</u>	2	1	GDM
.....a <u>Gcccguagauccgaacuug</u>	1	1	GDM
.....aacc <u>ccguagauccgaacuugC</u>	27	1	GDM
.....aacc <u>ccguagauccgaacuugC</u>	27	1	GDM
.....aacc <u>ccguagauccgaacuug</u>	234	0	GDM
.....aacc <u>ccguagauccgaacuug</u>	234	0	GDM
.....aacc <u>ccguagauccgaaCuugug</u>	2	1	GDM
.....aacc <u>ccguagauccgaacuugCg</u>	17	1	GDM
.....aacc <u>ccguGgauccgaacuugug</u>	3	1	GDM
.....aacc <u>ccguagauccAaacuugug</u>	1	1	GDM
.....aa <u>Accguagauccgaacuugug</u>	2	1	GDM
.....aacc <u>cgAagauccgaacuugug</u>	1	1	GDM
.....aacc <u>ccguagGuccgaacuugug</u>	5	1	GDM
.....aacc <u>cgCagauccgaacuugug</u>	6	1	GDM
.....aacc <u>ccguagauccgaacuuguC</u>	6	1	GDM
.....aacc <u>ccguagauccgaacuuguC</u>	6	1	GDM
.....a <u>Gcccguagauccgaacuugug</u>	5	1	GDM
..... <u>Gaccguagauccgaacuugug</u>	8	1	GDM
.....aacc <u>ccguagaCccgaacuugug</u>	4	1	GDM
.....aacc <u>ccguagauccgaacuugA</u>	78	1	GDM
.....aacc <u>ccguagauccgaacCuugug</u>	5	1	GDM
.....aacc <u>ccguagauccgaacCuugug</u>	5	1	GDM
.....aacc <u>ccguagauccgaGcuugug</u>	2	1	GDM
.....aacc <u>ccguagauAcgaaCuugug</u>	1	1	GDM
.....aac <u>Acguagauccgaacuugug</u>	2	1	GDM
.....aacc <u>ccguUgauccgaacuugug</u>	2	1	GDM
.....aacc <u>ccguGgauccgaacuugug</u>	3	1	GDM
.....aacc <u>ccguagauccgaacuugGg</u>	72	1	GDM
.....aacc <u>ccguagauccgaacuAgug</u>	1	1	GDM
.....aacc <u>ccguagauccgaacuugug</u>	1	1	GDM
.....aacc <u>ccguagauccgaacuugA</u>	78	1	GDM
..... <u>Uaccguagauccgaacuugug</u>	4	1	GDM
.....aacc <u>ccguagauccgaacuugCg</u>	17	1	GDM
.....aacc <u>cgCagauccgaacuugug</u>	6	1	GDM
.....aacc <u>ccguagauccgaacuuguC</u>	6	1	GDM
.....aacc <u>ccguagauccgaacCuugug</u>	5	1	GDM
.....aacc <u>ccguUgauccgaacuugug</u>	2	1	GDM
.....aacc <u>ccguagauccgaaCuugug</u>	1	1	GDM
.....aacc <u>ccguagauccgaacuugCg</u>	17	1	GDM
.....aacc <u>ccguagaCccgaacuugug</u>	4	1	GDM
.....aacc <u>ccguagauccgUacuugug</u>	1	1	GDM
.....aacc <u>ccguagauccgaacuCuug</u>	1	1	GDM
.....aacc <u>ccguagauccgaacuUaug</u>	1	1	GDM
..... <u>Gaccguagauccgaacuugug</u>	8	1	GDM
.....aacc <u>ccguagauccgaacuugA</u>	78	1	GDM
.....aacc <u>ccguagauccgaacuugU</u>	5	1	GDM
.....aacc <u>ccguagauccgaacuugug</u>	934	0	GDM
.....aacc <u>ccguagauccgaacuugug</u>	934	0	GDM
.....aacc <u>ccguagauccgaacuugU</u>	5	1	GDM
.....aacc <u>ccguagauccgaacuugU</u>	5	1	GDM
.....aacc <u>ccguaaAuccgaacuugug</u>	98	1	GDM

ccuguugccacaaaccccguagaaccgaaccuuggguauuaguccgcacaagcuguaucuauagguaugugucuguuagg

.....aacc <u>cc</u> gua <u>A</u> a <u>u</u> cc <u>g</u> aa <u>cc</u> uu <u>g</u> g.....	98	1	GDM
.....aacc <u>cg</u> Cag <u>a</u> u <u>cc</u> gaa <u>cc</u> uu <u>g</u> g.....	6	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> Ag.....	2	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> g.....	1	1	GDM
.....Uacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> g.....	4	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> A <u>cc</u> uu <u>g</u> g.....	3	1	GDM
.....aacc <u>cc</u> guag <u>G</u> u <u>cc</u> gaa <u>cc</u> uu <u>g</u> g.....	5	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> Ag.....	2	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> A <u>cc</u> uu <u>g</u> g.....	2	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> Gg.....	72	1	GDM
.....Gacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> g.....	8	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> g.....	934	0	GDM
.....aG <u>cc</u> cc <u>g</u> uag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> g.....	5	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> g.....	1	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> Gg.....	72	1	GDM
.....aG <u>cc</u> cc <u>g</u> uag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> g.....	5	1	GDM
.....aacc <u>cc</u> gua <u>A</u> a <u>u</u> cc <u>g</u> aa <u>cc</u> uu <u>g</u> g.....	98	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gg.....	8	0	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gU.....	108	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gA.....	101	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gg.....	1	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gA.....	101	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gC.....	9	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gC.....	9	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gU.....	108	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gU.....	108	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gg.....	8	0	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gg.....	8	0	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gA.....	101	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gCu.....	2	1	GDM
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gAu.....	1	1	GDM
.....acc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> g.....	2	0	GDM
.....acc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gA.....	1	1	GDM
.....acc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> gC.....	3	1	GDM
.....aaacc <u>cc</u> guag <u>a</u> acc <u>g</u> A <u>cc</u> uu <u>g</u>	2	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	7	0	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>A</u>	1	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> A <u>cc</u> uu <u>g</u>	20	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	107	0	Z2_
.....aacc <u>cc</u> Cuag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	1	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> C.....	6	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> A <u>cc</u> uu <u>g</u>	1	1	Z2_
.....aacc <u>cc</u> guag <u>G</u> u <u>cc</u> gaa <u>cc</u> uu <u>g</u>	1	1	Z2_
.....aacc <u>cc</u> guag <u>A</u> cc <u>g</u> aa <u>cc</u> uu <u>g</u>	1	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	1	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	1	1	Z2_
.....aacc <u>cc</u> gua <u>A</u> a <u>u</u> cc <u>g</u> aa <u>cc</u> uu <u>g</u>	3	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> A.....	3	1	Z2_
.....aa <u>A</u> cc <u>g</u> uag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	2	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> A <u>cc</u> uu <u>g</u>	1	1	Z2_
.....Uacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	2	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	603	0	Z2_
.....Gacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	3	1	Z2_
.....aacc <u>cc</u> guag <u>G</u> u <u>cc</u> gaa <u>cc</u> uu <u>g</u>	2	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> A.....	21	1	Z2_
.....aG <u>cc</u> cc <u>g</u> uag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	8	1	Z2_
.....aaG <u>cc</u> cc <u>g</u> uag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	1	1	Z2_
.....aacc <u>cc</u> gua <u>U</u> a <u>u</u> cc <u>g</u> aa <u>cc</u> uu <u>g</u>	3	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> Cgug.....	1	1	Z2_
.....aacc <u>cc</u> gCag <u>a</u> u <u>cc</u> gaa <u>cc</u> uu <u>g</u>	3	1	Z2_
.....aacc <u>cc</u> Luag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	1	1	Z2_
.....aacc <u>cc</u> gua <u>A</u> a <u>u</u> cc <u>g</u> aa <u>cc</u> uu <u>g</u>	49	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> U.....	2	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> A <u>cc</u> uu <u>g</u>	2	1	Z2_
.....Cacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	1	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u>	2	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> Gg.....	4	1	Z2_
.....aacc <u>cc</u> guag <u>a</u> acc <u>g</u> aa <u>cc</u> uu <u>g</u> C.....	5	1	Z2_
.....aacc <u>cc</u> guag <u>A</u> cc <u>g</u> aa <u>cc</u> uu <u>g</u>	5	1	Z2_

hsa-miR-100-5p

hsa-miR-100-3p

ccuguugccaca**aaccgugauccgaaacuugug**gaauuagucgcca**caagcu**guaucuaagguaugugucuguagg

.....aaccgugauccgaa <u>acu</u> gAg.....	2	1	Z2_
.....aaccgugauccgaa <u>acu</u> gCg.....	23	1	Z2_
.....aaccgugauccgaa <u>acu</u> gU.....	86	1	Z2_
.....aaccgugauccgaa <u>acu</u> gG.....	7	0	Z2_
.....aaccgugauccgaa <u>acu</u> gC.....	5	1	Z2_
.....aaccgugauccgaa <u>acu</u> gA.....	54	1	Z2_
.....accgua <u>aa</u> uccgaa <u>acu</u> g.....	2	1	Z2_
.....accgugauccgaa <u>acu</u> gCg.....	2	1	Z2_
.....accgugauccgaa <u>acu</u> gG.....	3	0	Z2_