

hsa-miR-15a-5p

ccuuggaguaaaguagcagcacauaaugguuguggauuuugaaaaggugcaggccauuugcugccucaaaaauacaagg

. uagcagcacau <u>U</u> augguuu	2	1	Z2_
. uagcagcacau <u>aa</u> augguuu	34	0	Z2_
. uagcagcacau <u>aaA</u> gguuuug	1	1	Z2_
. uagcagcacau <u>aa</u> augguuuA	2	1	Z2_
. uagcagcacau <u>aa</u> augg <u>A</u> uug	1	1	Z2_
. uagcagcacau <u>A</u> gguuuug	1	1	Z2_
. uagcagcC <u>ca</u> aaugguuug	1	1	Z2_
. uagcagcac <u>a</u> aaugguuug	1	1	Z2_
. uagcagcacau <u>aa</u> augguuug	53	0	Z2_
. uagcagcacau <u>C</u> augguuug	2	1	Z2_
. uagcagcacau <u>aa</u> auggCuugu	1	1	Z2_
. uagcagcacau <u>aa</u> augguuugu	60	0	Z2_
. uagcagcacau <u>aa</u> augguuugC	4	1	Z2_
. uagcagcacau <u>aa</u> augguuCgu	2	1	Z2_
. uagcagcacau <u>aa</u> augguuugug	6	0	Z2_
. uagca <u>A</u> cacauaaugguuugug	1	1	Z2_
. uagcG <u>g</u> cacauaaugguuugug	1	1	Z2_
. uagcagcacau <u>aa</u> augguuuA	1	1	Z2_
. uagcagcacau <u>aa</u> augguuuggg	2	0	Z2_
. uagcagcC <u>ca</u> aaugguuuggg	1	1	Z2_
. uagcagcacau <u>aa</u> auggCuugugga	1	1	Z2_
. aguagcagcacau <u>aa</u> augguuug	3	0	GDM
. uagcagcacau <u>aa</u> auggCu	1	1	GDM
. uagcagcacau <u>U</u> augguu	9	1	GDM
. uagcagcacau <u>U</u> augguu	9	1	GDM
. uagcagcacau <u>aa</u> augguC	6	1	GDM
. uagcagcacau <u>aa</u> augguu	169	0	GDM
. uagcagcacau <u>aa</u> augguA	1	1	GDM
. uagcagcacau <u>aa</u> augguG	1	1	GDM
. uagcG <u>g</u> cacauaaugguu	1	1	GDM
. uagcagca <u>U</u> aaugguu	1	1	GDM
. uagcagcacau <u>U</u> augguu	9	1	GDM
. <u>A</u> agcagcacauaaugguu	1	1	GDM
. uagcagcacau <u>aa</u> augguC	6	1	GDM
. uagcagcac <u>U</u> aaugguu	1	1	GDM
. uagcagcac <u>a</u> aaugguu	2	1	GDM
. uagcagcac <u>a</u> aaugguu	2	1	GDM
. uagcagcacau <u>aa</u> augg <u>G</u> u	1	1	GDM
. uagcagcacau <u>aa</u> augguC	6	1	GDM
. uagcagcacau <u>aa</u> augguu	169	0	GDM
. uagcagcacau <u>aa</u> augguu	169	0	GDM
. uagcag <u>A</u> cacauaaugguu	1	1	GDM
. uagcagcacau <u>aa</u> augguG <u>u</u>	1	1	GDM
. uagcagcacau <u>aa</u> augguuA	1	1	GDM
. uagcG <u>g</u> cacauaaugguuu	1	1	GDM
. uagcagcacau <u>U</u> augguuu	8	1	GDM
. uagcagcacau <u>aa</u> augguCu	2	1	GDM
. uagcagcacau <u>U</u> augguuu	8	1	GDM
. uagcagcacau <u>aa</u> augguuu	131	0	GDM
. uagcagcacau <u>aa</u> augguuu	131	0	GDM
. uagcagca <u>U</u> aaugguuu	2	1	GDM
. uagcagcacau <u>aa</u> augguuC	8	1	GDM
. ua <u>A</u> cagcacauaaugguuu	1	1	GDM
. uagcagcacau <u>aa</u> augguuC	8	1	GDM
. uagcagcacau <u>aa</u> augguuu	131	0	GDM
. uagcagcacau <u>aa</u> augguuC	8	1	GDM
. uagcagcacau <u>U</u> augguuu	8	1	GDM
. uagcagcacau <u>aa</u> gguuu	1	1	GDM
. uagc <u>U</u> gcacauaaugguuug	1	1	GDM
. uagcagcacau <u>aa</u> augguuCg	5	1	GDM
. uagcagcacau <u>aa</u> augguuuA	32	1	GDM
. uag <u>U</u> agcacauaaugguuug	3	1	GDM
. uagcagcacau <u>aa</u> augg <u>G</u> uug	1	1	GDM
. uagcagcac <u>U</u> aaugguuug	6	1	GDM
. <u>A</u> agcagcacauaaugguuug	1	1	GDM
. uagcagcacau <u>aa</u> ug <u>A</u> uuug	1	1	GDM
. uagcagcacau <u>aa</u> augguuGg	5	1	GDM
. uagcagcacau <u>C</u> augguuug	17	1	GDM

hsa-miR-15a-5p

ccuuggaguaaaguagcagcacauaaugguuuggauuuugaaaaggugcaggccauuuugcugccucaaaaauacaagg

.....uagcagcacauaa <u>Ag</u> guuug.....	2	1	GDM
.....uagcagcacauaaugguuuA.....	32	1	GDM
.....uagcagcUcauaaugguuug.....	1	1	GDM
.....uagcGgcacauaaugguuug.....	2	1	GDM
.....uagcagcacacAaugguuug.....	1	1	GDM
.....uagcagcacauaaugguuug.....	509	0	GDM
.....uagcagcacGuaaugguuug.....	6	1	GDM
.....uagcagcGcauaaugguuug.....	1	1	GDM
.....uagcagcacauCaugguuug.....	17	1	GDM
.....uagcagcacauaauggCuug.....	1	1	GDM
.....uagcagcacauaaugguuug.....	509	0	GDM
.....uagcagcacGuaaugguuug.....	6	1	GDM
.....uagcagcacauaaugguuug.....	509	0	GDM
.....uagcagcacauCaugguuug.....	17	1	GDM
.....uagcagcacauaa <u>Ag</u> guuug.....	2	1	GDM
.....uagcagcacauaaugguuCg.....	5	1	GDM
.....uagcGgcacauaaugguuug.....	2	1	GDM
.....uagcagcacauaaugguuuA.....	32	1	GDM
.....uagUagcacauaaugguuug.....	3	1	GDM
.....uagcagcacauaaugguGug.....	2	1	GDM
.....uagcagcacauCaugguuugu.....	1	1	GDM
.....uagcagUacauaaugguuugu.....	1	1	GDM
.....uagcagcacauaaugguuugC.....	8	1	GDM
.....uagcagcaAuaaugguuugu.....	1	1	GDM
.....uagcagcacauaaugguuugA.....	6	1	GDM
.....uagcagcacauaaugguuugC.....	8	1	GDM
.....uagcagcacauaaugguuugu.....	228	0	GDM
.....uagcagcacauaaugguuugu.....	228	0	GDM
.....uagcagcacauGaugguuugu.....	1	1	GDM
.....uagcagcacauaaugguuugG.....	1	1	GDM
.....uagcagcacauaaugguuugu.....	228	0	GDM
.....uagcagcacGuaaugguuugu.....	1	1	GDM
.....uagcagcacauaaugguuugA.....	6	1	GDM
.....uagcagcacauaauggCuugu.....	2	1	GDM
.....uagcagcacauaaugguuugC.....	8	1	GDM
.....uagcagcacauaaugguuugug.....	19	0	GDM
.....uagcagcaGuaaugguuugug.....	1	1	GDM
.....uagcagcacauaaugguuuguU.....	2	1	GDM
.....uagcagcacUuaaugguuugug.....	1	1	GDM
.....Aagcagcacauaaugguuugug.....	1	1	GDM
.....uagcagcacauaaugguuugug.....	19	0	GDM
.....uagcGgcacauaaugguuugug.....	1	1	GDM
.....uagcagcacauaaugguuugug.....	19	0	GDM
.....uagcagcacauaaugguuuguA.....	1	1	GDM
.....uagcagcacauaaugguuugGg.....	1	1	GDM
.....uagcagcacauaaugguuuggg.....	8	0	GDM
.....uagcagcacauaaugguuuggg.....	8	0	GDM
.....uagcagcacauaaugguuugggU.....	1	1	GDM
.....uagcagcacauaaugguuugggG.....	1	1	GDM
.....uagcagcacauaauggA <u>u</u> ugugga.....	1	1	GDM
.....uagcagcacauaaugguC.....	1	1	Z3_
.....uagUagcacauaaugguu.....	1	1	Z3_
.....uagcagcacauaaugguu.....	21	0	Z3_
.....uagcagcacGuaaugguuu.....	1	1	Z3_
.....Aagcagcacauaaugguuu.....	1	1	Z3_
.....uagcagcacauaaugguuu.....	12	0	Z3_
.....uagcagcacauaGugguuu.....	1	1	Z3_
.....uagcagcacau <u>U</u> augguuu.....	3	1	Z3_
.....uagcagcacauaaugguuuA.....	2	1	Z3_
.....uagcagcacauCaugguuug.....	1	1	Z3_
.....uagcagcacauaGugguuug.....	1	1	Z3_
.....uagcagcacGuaaugguuug.....	2	1	Z3_
.....uagcagcacauaaugguuug.....	82	0	Z3_
.....uagcagcacAaugguuugu.....	1	1	Z3_
.....uagcagcacauCaugguuugu.....	1	1	Z3_
.....uagcagcacauaaugguuugu.....	18	0	Z3_
.....uagcagcacauaaugguuugug.....	3	0	Z3_
.....uagcagcacauaaugguuugggU.....	1	1	Z3_

hsa-miR-15a-3p

hsa-miR-15a-5p

ccuuggaguaaaguagcagcacauaaugguuugugauuuugaaaaggugcaggccauauugcugccuaaaauacaagg