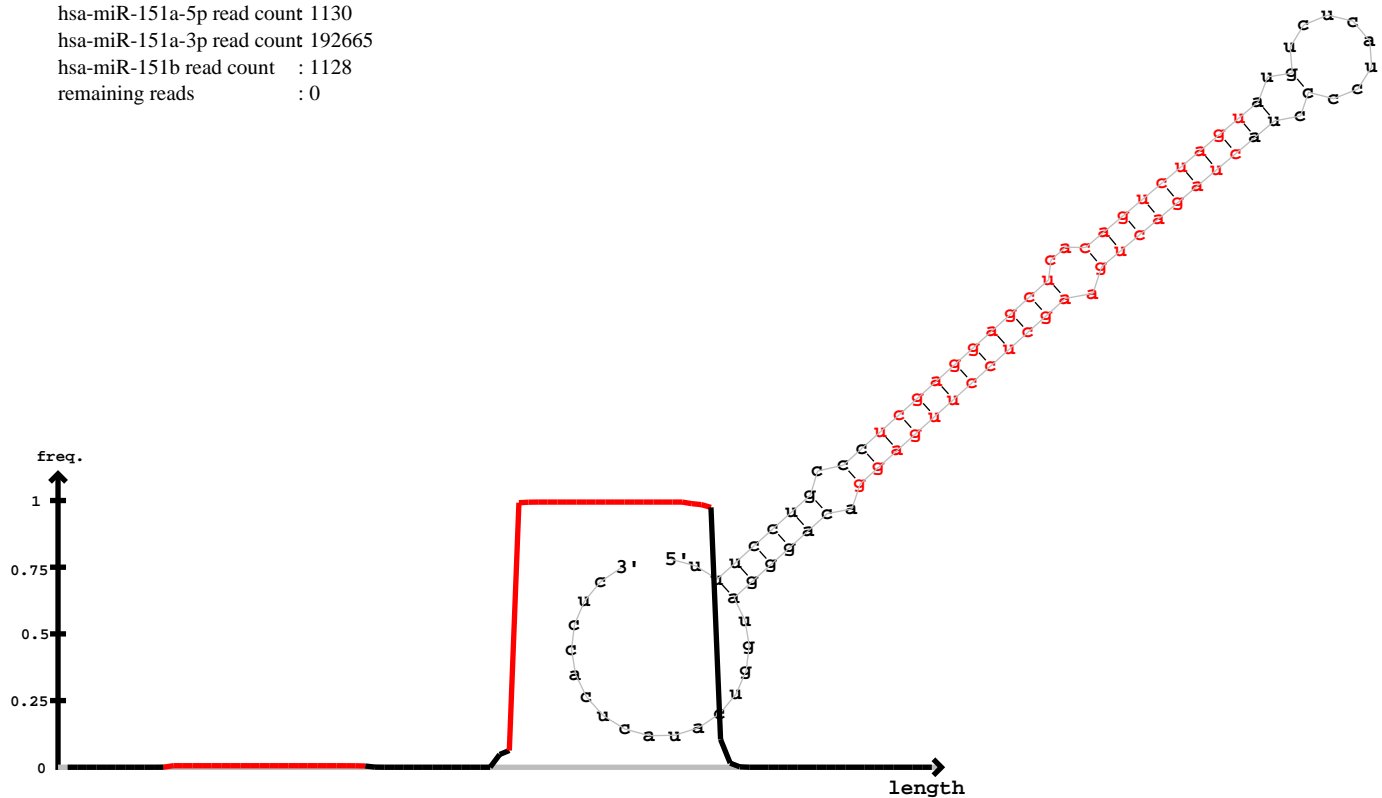


miRBase precursor : hsa-mir-151a
 Total read count : 194923
 hsa-miR-151a-5p read count 1130
 hsa-miR-151a-3p read count 192665
 hsa-miR-151b read count : 1128
 remaining reads : 0



hsa-miR-151a-3p

hsa-miR-151a-5p

hsa-miR-151b

5'-	reads	mm	sample
uuuccgcccucgaggagcucacagucuauguugucuaucuccua <u>cuagacugaagcuccuugagg</u> acagggaggucacacacaccuc			
.....cucgaggagcucacagucua.....	1	0	Z3_
.....ucgaggagcucacagucu.....	2	0	Z3_
.....ucgaggagcucacagucua.....	1	0	Z3_
.....ucgaggagcucacagucuaA.....	2	1	Z3_
.....ucgaggagcucacagucuaG.....	11	0	Z3_
.....uUgaggagcucacagucuaagu.....	1	1	Z3_
.....ucgaggagcucacagucuaagu.....	53	0	Z3_
.....ucgaggagcucacGgucuaagu.....	1	1	Z3_
.....Ccgaggagcucacagucuaagu.....	1	1	Z3_
.....ucgaggagcucacagucCagu.....	2	1	Z3_
.....ucgaggagcucacagucGgu.....	1	1	Z3_
.....ucgaggagcucacagucuaGC.....	5	1	Z3_
.....ucgGggagcucacagucuaagu.....	1	1	Z3_
.....ucgaggagcucacagCcuagu.....	1	1	Z3_
.....ucgaggagcucacagucuaAu.....	1	1	Z3_
.....ucgaggagcucacagucuaGua.....	4	0	Z3_
.....ucgaggagcucacagucuaGuaG.....	1	1	Z3_
.....ucgaggagcucacagucuaGuaugu.....	2	0	Z3_
.....uacuagacugaagcuccuug.....	17	0	Z3_
.....Cacuagacugaagcuccuuga.....	1	1	Z3_
.....uacuagacugaagcuccuuga.....	12	0	Z3_
.....uacuagacugaagcuccuua.....	1	1	Z3_
.....uacuagacugaagcuccCuga.....	1	1	Z3_
.....uacuagacugaagcuccuugag.....	49	0	Z3_
.....uacuaAacugaagcuccuugag.....	1	1	Z3_
.....uacuagacugaagcuccuugag.....	1	1	Z3_
.....uacuagacugaagcuccuugaA.....	6	1	Z3_
.....uacuagacugaagcuccuugaU.....	3	1	Z3_
.....uacuagacugaGgcuccuugag.....	1	1	Z3_
.....uacuagacuUaagcuccuugagg.....	1	1	Z3_
.....Gacuagacugaagcuccuugagg.....	1	1	Z3_
.....uacuagacugaagcuccCugagg.....	4	1	Z3_
.....Cacuagacugaagcuccuugagg.....	2	1	Z3_

uuuccugccchcgagggagcgcacagucuauguucucaucccuaucagacugaagcuccuugaggacagggauuggucauacucaccuc

.....uacuagacugaagUuccuugagg.....	2	1	Z3_
.....uacuagacugaagcuccuugagU.....	12	1	Z3_
.....uacuagacugaagcCccuugagg.....	3	1	Z3_
.....uacuagacugaagcuccuugGgg.....	4	1	Z3_
.....uacuagaGugaagcuccuugagg.....	1	1	Z3_
.....uacuagacugaagcuccuugagC.....	1	1	Z3_
.....Aacuagacugaagcuccuugagg.....	3	1	Z3_
.....uacuagacugaagcuccuugagg.....	619	0	Z3_
.....uacuagacugaagcuccuugCgagg.....	1	1	Z3_
.....uacuagacGgaagcuccuugagg.....	1	1	Z3_
.....uacuGgacugaagcuccuugagg.....	1	1	Z3_
.....uacuagacugaagcuccuugagA.....	53	1	Z3_
.....uacuagacugGagcuccuugagg.....	5	1	Z3_
.....uacCagacugaagcuccuugagg.....	5	1	Z3_
.....uacuagGcugaagcuccuugagg.....	5	1	Z3_
.....uacuagacCgaagcuccuugagg.....	3	1	Z3_
.....uacuagacugaGgcuccuugagg.....	3	1	Z3_
.....uCuagacugaagcuccuugagg.....	1	1	Z3_
.....uacuaAacugaagcuccuugagg.....	1	1	Z3_
.....uacuagacugaagcucUuugagg.....	4	1	Z3_
.....uacuagacugaagcuccuugaggG.....	1	1	Z3_
.....uacuagacugaagcuccuugaggU.....	9	1	Z3_
.....uacuagacugaagcuccuugagUa.....	3	1	Z3_
.....uacuagacugaagcuccuugaggC.....	1	1	Z3_
.....uacuagacugaagcuccuugaggA.....	3	0	Z3_
.....acuagacugaagcuccuug.....	1	0	Z3_
.....acuagacugaagcuccuuga.....	1	0	Z3_
.....acuagacugaagcuccuugagg.....	6	0	Z3_
.....acuagacugaagcuccuugGgg.....	4	1	Z3_
.....acuagacugaagcuccCugagg.....	1	1	Z3_
.....acuagacugaagcuccuugCgagg.....	1	1	Z3_
.....acuagGcugaagcuccuugagg.....	1	1	Z3_
.....acuagacugGagcuccuugagg.....	1	1	Z3_
.....acuagacugaagcuccuugagC.....	1	1	Z3_
.....acuagacugaagcuccuugagg.....	139	0	Z3_
.....acCagacugaagcuccuugagg.....	1	1	Z3_
.....Ccuagacugaagcuccuugagg.....	5	1	Z3_
.....acuagacugaagcuccuugUgg.....	1	1	Z3_
.....acuagacugaagcuccuugagU.....	10	1	Z3_
.....acuagacugaaAcuccuugagg.....	1	1	Z3_
.....acuagacCgaagcuccuugagg.....	2	1	Z3_
.....acuagacugaagcuccuugagA.....	13	1	Z3_
.....acuGgacugaagcuccuugagg.....	1	1	Z3_
.....aUuagacugaagcuccuugagg.....	1	1	Z3_
.....Gcuagacugaagcuccuugagg.....	1	1	Z3_
.....acuagacugaagUuccuugagg.....	2	1	Z3_
.....acuagacugaagcuccuugaggU.....	6	1	Z3_
.....acuagacugaagcuccuugaggC.....	3	1	Z3_
.....acuagacugaagcuccuugaggA.....	8	0	Z3_
.....acuagacugaagcuccuugaggAa.....	1	1	Z3_
.....cuagGcugaagcuccuug.....	1	1	Z3_
.....cuagacugaagcuccuug.....	35	0	Z3_
.....cuagacugaagcuccuUA.....	3	1	Z3_
.....cuagacugaagcuccuU.....	1	1	Z3_
.....cuagacugGagcuccuug.....	2	1	Z3_
.....cuagacugaagcuccuugU.....	1	1	Z3_
.....cuagacugaagcuccuCGa.....	1	1	Z3_
.....cuagGcugaagcuccuuga.....	1	1	Z3_
.....cuagacugaagcuccuuga.....	14	0	Z3_
.....cuagacugaagcuccuugaU.....	4	1	Z3_
.....cuagacCgaagcuccuugag.....	1	1	Z3_
.....cCagacugaagcuccuugagg.....	1	1	Z3_
.....cuagacugUagcuccuugag.....	1	1	Z3_
.....cuGgacugaagcuccuugagg.....	2	1	Z3_
.....Guagacugaagcuccuugagg.....	2	1	Z3_
.....cuagacugaagcuaAcuugag.....	1	1	Z3_
.....cuagacugaagcuccuugaA.....	6	1	Z3_
.....cuagacugaagcuccuugGg.....	1	1	Z3_

uuuccugccchcgagggagcaccagucuaugucauccccuacuagacugaagcuccuugaggacagggauaggcauacucaccuc

.....cuagacugaGgcuccuugag.....	1	1	Z3_
.....cuagacugaagcuccCugag.....	1	1	Z3_
.....cuagacugaagcuccuugag.....	86	0	Z3_
.....cuagacGgaagcuccuugag.....	1	1	Z3_
.....cuagacugaaAcuccuugagg.....	9	1	Z3_
.....cuagacugGagcuccuugagg.....	48	1	Z3_
.....cuagacugaagcuccuugagC.....	44	1	Z3_
.....cAagacugaagcuccuugagg.....	5	1	Z3_
.....cuagGcugaagcuccuugagg.....	36	1	Z3_
.....cGagacugaagcuccuugagg.....	1	1	Z3_
.....cuaUacugaagcuccuugagg.....	3	1	Z3_
.....cuagacugaagcCccuugagg.....	44	1	Z3_
.....cuagacugaagcuccuugagU.....	155	1	Z3_
.....cuagacugaagcuccuugaAg.....	6	1	Z3_
.....cuagacugaagcAccuugagg.....	4	1	Z3_
.....cuagacugaagcuccGgagg.....	1	1	Z3_
.....cuagacugaagcuccuugGgg.....	46	1	Z3_
.....cuaCacugaagcuccuugagg.....	2	1	Z3_
.....cuagaAugaagcuccuugagg.....	2	1	Z3_
.....cuagacugaUgcuccuugagg.....	2	1	Z3_
.....cuagacuaAagcuccuugagg.....	7	1	Z3_
.....cuagacugaCgcuccuugagg.....	2	1	Z3_
.....cuagacugaagcuccuugaUg.....	2	1	Z3_
.....cuagacugUagcuccuugagg.....	6	1	Z3_
.....cuagacugaagcUcuccuugagg.....	7	1	Z3_
.....cuagacugaGgcuccuugagg.....	64	1	Z3_
.....cuagacugaagcuccuulagg.....	5	1	Z3_
.....cuagacugaagcuccuugUgg.....	5	1	Z3_
.....cuagacGgaagcuccuugagg.....	16	1	Z3_
.....cuagacugaagcuccuugaCg.....	4	1	Z3_
.....cuagacugaagcuccAaugagg.....	2	1	Z3_
.....cuagacugaaCuccuugagg.....	1	1	Z3_
.....cuagacugaagcuccCugagg.....	50	1	Z3_
.....cuagacugaagGuccuugagg.....	2	1	Z3_
.....cuagacCgaagcuccuugagg.....	35	1	Z3_
.....cuagacugaagcuccuugagg.....	8263	0	Z3_
.....cuGgacugaagcuccuugagg.....	36	1	Z3_
.....cuagacugaagcGccuugagg.....	1	1	Z3_
.....Auagacugaagcuccuugagg.....	5	1	Z3_
.....cuagacugaagcuccCgagg.....	34	1	Z3_
.....cCagacugaagcuccuugagg.....	28	1	Z3_
.....cuagacugaagcuccGugagg.....	2	1	Z3_
.....cuagacugaagcuccUuugagg.....	5	1	Z3_
.....cuagacugaagcUAcuugagg.....	1	1	Z3_
.....cuUgacugaagcuccuugagg.....	3	1	Z3_
.....cuagacugaagcuccAugagg.....	4	1	Z3_
.....cuagaUgaagcuccuugagg.....	6	1	Z3_
.....cuagacugaagUuccuugagg.....	6	1	Z3_
.....cuagacugaagcuccUgagg.....	8	1	Z3_
.....Guagacugaagcuccuugagg.....	4	1	Z3_
.....cuagUcugaagcuccuugagg.....	5	1	Z3_
.....cuagacugaaUcuccuugagg.....	8	1	Z3_
.....cuagacugaagcuccuugagA.....	599	1	Z3_
.....Uuagacugaagcuccuugagg.....	19	1	Z3_
.....cuagacugaagcuccuUaggg.....	1	1	Z3_
.....cuagacugGagcuccuugagga.....	2	1	Z3_
.....cuagacugaagcuccCugagga.....	4	1	Z3_
.....cAagacugaagcuccuugagga.....	1	1	Z3_
.....cuGgacugaagcuccuugagga.....	2	1	Z3_
.....cuaAacugaagcuccuugagga.....	1	1	Z3_
.....cuagacuAaagcuccuugagga.....	1	1	Z3_
.....cuagUcugaagcuccuugagga.....	1	1	Z3_
.....cuagacugaagcuccuugaggG.....	4	1	Z3_
.....Auagacugaagcuccuugagga.....	1	1	Z3_
.....cuagacugUagcuccuugagga.....	1	1	Z3_
.....cuagacugaagcuccuugaggA.....	2	1	Z3_
.....cuagacugaagcuccuugagUa.....	69	1	Z3_
.....cuagacugaagcuccuUagga.....	1	1	Z3_

uuuccugccchcgaggagagfifibcagucuauguucuaucuccuacuagacugaagcuccuugaggacagggauuggucauacucaccuc

.....cuagacugaagcuccuugaggA.....	697	0	Z3_
.....cuagacugaagcuccuugaggC.....	46	1	Z3_
.....cuagacugaagcuccuugaggU.....	507	1	Z3_
.....cuagacugaCgcuccuugaggA.....	1	1	Z3_
.....cuagGcugaagcuccuugaggA.....	4	1	Z3_
.....cuagacCgaagcuccuugaggA.....	8	1	Z3_
.....cuagacugaGgcuccuugaggA.....	5	1	Z3_
.....cuagacugaAaccuccuugaggA.....	3	1	Z3_
.....cuagacugaagcAccuugaggA.....	2	1	Z3_
.....cuagacuCaagcuccuugaggA.....	1	1	Z3_
.....UuagacugaagcuccuugaggA.....	4	1	Z3_
.....cuagacugaagcuccuugGgga.....	5	1	Z3_
.....cCagacugaagcuccuugaggA.....	5	1	Z3_
.....GuagacugaagcuccuugaggA.....	1	1	Z3_
.....cuagacugaagcCccuugaggA.....	7	1	Z3_
.....cuagacugaagcuccuugaggac.....	3	0	Z3_
.....cuagacugaagcuccuugaggUC.....	6	1	Z3_
.....cuagacugaagcuccuugaggAU.....	51	1	Z3_
.....cuagacugaagcuccuugaggAA.....	184	1	Z3_
.....cuagacugaagcuccuugaggacC.....	1	1	Z3_
.....cuagacugaagcuccuugaggAa.....	9	1	Z3_
.....cuagacugaagcuccuugaggacU.....	6	1	Z3_
.....uagacugaGgcuccuugagg.....	1	1	Z3_
.....uagacugaagcuccuugagA.....	1	1	Z3_
.....uagacugaagcuccuugagg.....	20	0	Z3_
.....uagacugaagcuccuugaggU.....	2	1	Z3_
.....agacugaagcuccuugaggA.....	1	0	Z3_
.....agacugaagcuccuugaggac.....	1	0	Z3_
.....agacugaagcuccuugaggaca.....	2	0	Z3_
.....agacugaagcuccuugaggacU.....	3	1	Z3_
.....cucgaggagcucacagucua <u>gu</u>	8	0	Z1_
.....cucgaggagcucacaguc <u>uGua</u>	1	1	Z1_
.....ucgaggagcucacaguc <u>u</u>	2	0	Z1_
.....ucgaggagcucacagucC.....	2	1	Z1_
.....ucgGggagcucacaguc <u>uag</u>	2	1	Z1_
.....ucgaggagcucacaguc <u>uag</u>	11	0	Z1_
.....ucgaggagcucacaguc <u>uag</u>	97	0	Z1_
.....ucgaggagcucGcaguc <u>uag</u>	2	1	Z1_
.....ucgaggagcucacaguc <u>uagC</u>	12	1	Z1_
.....ucgaggagcucacagC <u>cuag</u>	1	1	Z1_
.....ucgaggagcCcacaguc <u>uag</u>	3	1	Z1_
.....ucgaggagc <u>uU</u> acaguc <u>uag</u>	1	1	Z1_
.....ucgaggagcucacaguc <u>uagG</u>	1	1	Z1_
.....ucgaggagcucacaguc <u>uag</u>	32	0	Z1_
.....cgaggagcucacaguc <u>uagU</u>	1	1	Z1_
.....uacuagacugaagcuccu <u>A</u>	2	1	Z1_
.....uacuagacugaagcuccu <u>g</u>	27	0	Z1_
.....uacuagacugaagcuccu <u>Ag</u>	1	1	Z1_
.....uacuagacugaGgcuccu <u>uag</u>	1	1	Z1_
.....uacuagacugaagcuccu <u>uagU</u>	1	1	Z1_
.....uacuagacugaagcuccu <u>uag</u>	26	0	Z1_
.....uacuagacugaagcuccu <u>uagG</u>	3	1	Z1_
.....uacuagacugaagcuccu <u>uagAU</u>	2	1	Z1_
.....uacuagacugaagcuccu <u>uag</u>	142	0	Z1_
.....uacuagacugaagcCccu <u>uag</u>	2	1	Z1_
.....uGcuagacugaagcuccu <u>uag</u>	1	1	Z1_
.....uacuagacugaagcuccu <u>uagA</u>	2	1	Z1_
.....uacuagacugaagc <u>uU</u> cu <u>uag</u>	1	1	Z1_
.....Aacuagacugaagcuccu <u>uag</u>	1	1	Z1_
.....uacuagacugaagcuccu <u>uagU</u>	38	1	Z1_
.....uacuagacugUagcuccu <u>uag</u>	1	1	Z1_
.....Gacuagacugaagcuccu <u>uag</u>	3	1	Z1_
.....Cacuagacugaagcuccu <u>uag</u>	8	1	Z1_
.....uacuagacugaagcuccu <u>uag</u>	1	1	Z1_
.....uacuagacugaGgcuccu <u>uag</u>	13	1	Z1_
.....uacuGgacugaagcuccu <u>uag</u>	1	1	Z1_
.....uacuagacugaagcuccu <u>uagA</u>	128	1	Z1_

uuuccugccchcgagggagcagcagucagucuaugucucaucccuaucagacugaagcuccuugaggacagggauuggucauacucaccuc

.....uCuagacugaagcuccuugagg.....	3	1	Z1_
.....uacuagacugaagcCccuugagg.....	4	1	Z1_
.....uacuagacugaagcuUcuugagg.....	2	1	Z1_
.....uacuaUacugaagcuccuugagg.....	1	1	Z1_
.....uacuagacugaagcuccuugGgg.....	14	1	Z1_
.....uacuagacugaagcuccuugGagg.....	1	1	Z1_
.....uacuagacuAaagcuccuugagg.....	1	1	Z1_
.....uacuGgacugaagcuccuugagg.....	18	1	Z1_
.....uacuagacugaagcuccGugagg.....	3	1	Z1_
.....uGcuagacugaagcuccuugagg.....	8	1	Z1_
.....uacuagacugaagcuccCugagg.....	5	1	Z1_
.....uacuagacugaagcuccuUagg.....	1	1	Z1_
.....Aacuagacugaagcuccuugagg.....	2	1	Z1_
.....uacCagacugaagcuccuugagg.....	6	1	Z1_
.....uacuagacCgaagcuccuugagg.....	11	1	Z1_
.....uacuagacugaAacuccuugagg.....	4	1	Z1_
.....uacuagacugaagcuccuugagg.....	2013	0	Z1_
.....uacuagacugaagUuccuugagg.....	2	1	Z1_
.....uacuagaUugaagcuccuugagg.....	1	1	Z1_
.....uaUuagacugaagcuccuugagg.....	3	1	Z1_
.....uacuagacugaagcuccuugaCg.....	1	1	Z1_
.....uacuagacugGagcuccuugagg.....	19	1	Z1_
.....uacuagGcugaagcuccuugagg.....	13	1	Z1_
.....uacuagacugaagcuccuugaUg.....	1	1	Z1_
.....uacuagUcugaagcuccuugagg.....	4	1	Z1_
.....uacuagacugaagcAccuugagg.....	3	1	Z1_
.....uacuagacugaagcuccuugagg.....	7	1	Z1_
.....uacuagacugaagcuccuugagC.....	11	1	Z1_
.....uUcuagacugaagcuccuugagg.....	2	1	Z1_
.....uacuUgacugaagcuccuugagg.....	2	1	Z1_
.....uacuagaGugaagcuccuugagg.....	1	1	Z1_
.....uacuagacugaagcuccuugagg.....	1	1	Z1_
.....uacuagacuAaagcuccuugagga.....	1	1	Z1_
.....uacuagacugaagcuccuugagUa.....	1	1	Z1_
.....uacuagacugaGgcuccuugagga.....	1	1	Z1_
.....uacuagacugaagcuccuugagga.....	25	0	Z1_
.....uacuagacugaagcuccuugaggU.....	31	1	Z1_
.....uacuagacugaagcuccuugaggaA.....	2	1	Z1_
.....acuagacugaagcuccCug.....	1	1	Z1_
.....acuagacugaagcuccuug.....	2	0	Z1_
.....acuagacugaagcuccuuga.....	2	0	Z1_
.....acuagacugaagcuccuugag.....	9	0	Z1_
.....acuagGcugaagcuccuugag.....	1	1	Z1_
.....acuagacugaAacuccuugag.....	1	1	Z1_
.....acuaCacugaagcuccuugagg.....	1	1	Z1_
.....acuagacCgaagcuccuugagg.....	1	1	Z1_
.....acuagacugaagcuccuugagU.....	13	1	Z1_
.....acuagacugaagcuccuugagC.....	1	1	Z1_
.....acuagacugaagcuccGugagg.....	1	1	Z1_
.....acuagacugaagcuccuAgagg.....	1	1	Z1_
.....Gcuagacugaagcuccuugagg.....	3	1	Z1_
.....acuagacugaagcCccuugagg.....	2	1	Z1_
.....acuagacugaagcucAuugagg.....	1	1	Z1_
.....acuGgacugaagcuccuugagg.....	3	1	Z1_
.....acCagacugaagcuccuugagg.....	2	1	Z1_
.....acuagacugaagcuccuugGgg.....	2	1	Z1_
.....acuagacugGagcuccuugagg.....	2	1	Z1_
.....acuagacugaagcuccuugagg.....	550	0	Z1_
.....acuagacugaagcuccuugagg.....	2	1	Z1_
.....acuagacugaUgcuccuugagg.....	1	1	Z1_
.....acuagaUugaagcuccuugagg.....	1	1	Z1_
.....acuagacugaGgcuccuugagg.....	3	1	Z1_
.....acuagacugaagcuccuugagg.....	1	1	Z1_
.....acuagacugaagcuccCugagg.....	1	1	Z1_
.....acuagGcugaagcuccuugagg.....	3	1	Z1_
.....acuagacugaagcuccuugagA.....	54	1	Z1_
.....Ccuagacugaagcuccuugagg.....	6	1	Z1_
.....acuagacugaagcuccuugagga.....	4	0	Z1_

uuuccugccchcgagggagcagcagucuaugucucaucccuacuagacugaagcuccuugaggacagggauaggucauacucaccuc

.....C <u>cuagacugaagcuccuugagg</u>	4	1	Z1_
..... <u>acuagacugaagcuccuugagU</u>	2	1	Z1_
..... <u>acuagacugaagcuccuugaggU</u>	11	1	Z1_
..... <u>acuagacugaagcuccuugaggA</u>	1	1	Z1_
..... <u>Uuagacugaagcuccuug</u>	2	1	Z1_
..... <u>cuagacugaGgcuccuug</u>	1	1	Z1_
..... <u>cuagacugaagcCccuug</u>	1	1	Z1_
..... <u>cuagacugaagcuccGug</u>	1	1	Z1_
..... <u>cuagacugaagcuccuug</u>	178	0	Z1_
..... <u>cuagacugaagcuccuA</u>	11	1	Z1_
..... <u>cuGgacugaagcuccuug</u>	1	1	Z1_
..... <u>cuagacugaagcucUuug</u>	1	1	Z1_
..... <u>cuagacugaagcUAcuug</u>	1	1	Z1_
..... <u>cCagacugaagcuccuug</u>	1	1	Z1_
..... <u>cuagacugaagcuccCug</u>	1	1	Z1_
..... <u>cuagacugGagcuccuug</u>	1	1	Z1_
..... <u>cuagGcugaagcuccuug</u>	1	1	Z1_
..... <u>cuagacugaGgcuccuuga</u>	1	1	Z1_
..... <u>cuagacugaagcuccuuga</u>	107	0	Z1_
..... <u>cCagacugaagcuccuuga</u>	2	1	Z1_
..... <u>cuagacugaagcuccuugG</u>	1	1	Z1_
..... <u>cuagacugaagcuccuugU</u>	1	1	Z1_
..... <u>cuagacugaagcuccuugaA</u>	9	1	Z1_
..... <u>cuagacugaagcucUcuugag</u>	1	1	Z1_
..... <u>cuagacugaagcCccuugag</u>	1	1	Z1_
..... <u>cuagacugaagcuccCugag</u>	1	1	Z1_
..... <u>cuagacugaagcuccuAag</u>	1	1	Z1_
..... <u>cuaUacugaagcuccuugag</u>	1	1	Z1_
..... <u>cuagacugaagcucUuugag</u>	1	1	Z1_
..... <u>cuagacCgaagcuccuugag</u>	2	1	Z1_
..... <u>Uuagacugaagcuccuugag</u>	1	1	Z1_
..... <u>cuagacugaagcuccuugag</u>	191	0	Z1_
..... <u>cuagacugGagcuccuugag</u>	2	1	Z1_
..... <u>cuagacugaGgcuccuugag</u>	1	1	Z1_
..... <u>cuagacugaagcuccuugGg</u>	3	1	Z1_
..... <u>cuagGcugaagcuccuugag</u>	2	1	Z1_
..... <u>cuagaUugaagcuccuugag</u>	1	1	Z1_
..... <u>cCagacugaagcuccuugag</u>	3	1	Z1_
..... <u>cuagacugaaCcuuccuugagg</u>	2	1	Z1_
..... <u>cuagCcuugaagcuccuugagg</u>	8	1	Z1_
..... <u>cAagacugaagcuccuugagg</u>	31	1	Z1_
..... <u>cuagacugaagcucUcuugagg</u>	21	1	Z1_
..... <u>cuaAacugaagcuccuugagg</u>	32	1	Z1_
..... <u>cuagacugaaUcuccuugagg</u>	13	1	Z1_
..... <u>cuagacugaagcuccuugagU</u>	391	1	Z1_
..... <u>cuagacugaagcuccuugCgg</u>	3	1	Z1_
..... <u>cuagaAugaagcuccuugagg</u>	5	1	Z1_
..... <u>cuaUacugaagcuccuugagg</u>	26	1	Z1_
..... <u>Auagacugaagcuccuugagg</u>	32	1	Z1_
..... <u>cuagacugaagcCccuugagg</u>	171	1	Z1_
..... <u>cuagaUugaagcuccuugagg</u>	25	1	Z1_
..... <u>cCagacugaagcuccuugagg</u>	113	1	Z1_
..... <u>cuagacugaagcucAuuagg</u>	14	1	Z1_
..... <u>cuagacugCagcuccuugagg</u>	5	1	Z1_
..... <u>cuagacugaagUuccuugagg</u>	41	1	Z1_
..... <u>cuagacugaagcuccuugagg</u>	124	1	Z1_
..... <u>cuagacCgaagcuccuugagg</u>	153	1	Z1_
..... <u>cuagacugaagcucGuugagg</u>	2	1	Z1_
..... <u>cuagacuAaagcuccuugagg</u>	30	1	Z1_
..... <u>cuagacugaagcucAuuagg</u>	15	1	Z1_
..... <u>cuagGcugaagcuccuugagg</u>	157	1	Z1_
..... <u>cuUgacugaagcuccuugagg</u>	27	1	Z1_
..... <u>cuagacugGagcuccuugagg</u>	181	1	Z1_
..... <u>cuagUcugaagcuccuugagg</u>	36	1	Z1_
..... <u>cuagacuUaagcuccuugagg</u>	1	1	Z1_
..... <u>cuagacugUagcuccuugagg</u>	38	1	Z1_
..... <u>cuagacugaagcuccuAagagg</u>	19	1	Z1_
..... <u>cuagacugaaAuccuugagg</u>	47	1	Z1_

uuuccugccchcgaggagagcagucacagucuaugucucaucccuacuagacugaagcuccuugaggacacagggauaggucauacacaccuc

.....cuagacugaagcuccu <u>Cgagga</u>	9	1	Z1_
.....Uuagacugaagcuccu <u>ugagga</u>	6	1	Z1_
.....cuagGcugaagcuccu <u>ugagga</u>	16	1	Z1_
.....cuagacugaagcuccu <u>ugaggaG</u>	7	1	Z1_
.....cuagacugaagcuccu <u>ugaggU</u>	3	1	Z1_
.....cuagacugaagcuccu <u>ugaggaU</u>	91	1	Z1_
.....cuagacugaagcuccu <u>ugaggac</u>	10	0	Z1_
.....cuagacugaagcuccu <u>ugaggCC</u>	1	1	Z1_
.....cuagacugaagcuccu <u>ugaggaA</u>	475	1	Z1_
.....cuagacugaagcuccu <u>ugaggaUa</u>	2	1	Z1_
.....cuagacugaagcuccu <u>ugaggaAa</u>	31	1	Z1_
.....cuagacugaagcuccu <u>ugaggaGa</u>	4	1	Z1_
.....cuagacugaagcuccu <u>ugaggacU</u>	27	1	Z1_
.....cuagacugaagcuccu <u>ugaggaca</u>	2	0	Z1_
.....cuagacugaagcuccu <u>ugaggacC</u>	2	1	Z1_
.....uagacugaagcuccu <u>ugGgg</u>	1	1	Z1_
.....uagacugaagcuccu <u>ugagg</u>	77	0	Z1_
.....uagacugaagcuccu <u>ugagA</u>	1	1	Z1_
.....uagacugaagcuccu <u>ugaggU</u>	8	1	Z1_
.....uagacugaagcuccu <u>ugaggC</u>	1	1	Z1_
.....uagacugaagcuccu <u>ugagga</u>	8	0	Z1_
.....uagacugaagcC <u>ccuugagga</u>	2	1	Z1_
.....uagacugaagcuccu <u>ugaggaA</u>	1	1	Z1_
.....uagacugaagcuccu <u>ugaggacU</u>	1	1	Z1_
.....uagacugaagcuccu <u>ugaggaAa</u>	2	1	Z1_
.....agacugaagcuccu <u>ugagg</u>	1	0	Z1_
.....Ugacugaagcuccu <u>ugagg</u>	2	1	Z1_
.....agacugaagcuccu <u>ugagga</u>	8	0	Z1_
.....agacugaagcuccu <u>ugaggU</u>	1	1	Z1_
.....agacugaagcuccu <u>ugaggaA</u>	1	1	Z1_
.....agacugaagcuccu <u>ugaggacU</u>	9	1	Z1_
.....agacugaagcuccu <u>ugaggaca</u>	1	0	Z1_
.....cucgaggagcucacaguc <u>u</u>	2	0	GDM
.....cucgaggagcucacaguc <u>uag</u>	10	0	GDM
.....cucgaggagcucacaguc <u>uCg</u>	1	1	GDM
.....cucgaggagcucacaguc <u>uag</u>	10	0	GDM
.....cucgaggagcucacaguc <u>uag</u>	10	0	GDM
.....cucgaggagcucacaguc <u>uagu</u>	24	0	GDM
.....cucgaggagcucacaguc <u>uagu</u>	24	0	GDM
.....cucgaggagcucacaguc <u>uagC</u>	1	1	GDM
.....cucgaggagcucacaguc <u>uagu</u>	24	0	GDM
.....cucgaggagcucacaguc <u>uagua</u>	5	0	GDM
.....ucgaggagcucacaguc <u>u</u>	15	0	GDM
.....ucgaggagcucacG <u>guc</u>	2	1	GDM
.....ucgaggagcucacaguc <u>A</u>	3	1	GDM
.....ucgaggagcucacaguc <u>u</u>	15	0	GDM
.....ucgaggagcucacaguc <u>u</u>	15	0	GDM
.....ucgaggagcucacaguc <u>A</u>	3	1	GDM
.....ucgaggagcucacaguc <u>ua</u>	2	0	GDM
.....ucgaggagcucacaguc <u>ua</u>	2	0	GDM
.....ucgaggagcucacaguc <u>uU</u>	1	1	GDM
.....ucgaggagcucacaguc <u>uaA</u>	9	1	GDM
.....Acgaggagcucacaguc <u>uag</u>	2	1	GDM
.....ucgaggagcC <u>acaguc</u> uag.....	2	1	GDM
.....ucgaggagcucacaguc <u>uag</u>	104	0	GDM
.....ucgaggagcucacagC <u>uag</u>	2	1	GDM
.....ucgGggagcucacaguc <u>uag</u>	1	1	GDM
.....ucgaggagcucacagucG <u>ag</u>	1	1	GDM
.....Ccgaggagcucacaguc <u>uag</u>	4	1	GDM
.....Ccgaggagcucacaguc <u>uag</u>	4	1	GDM
.....ucgaggagcucacagC <u>uag</u>	2	1	GDM
.....Acgaggagcucacaguc <u>uag</u>	2	1	GDM
.....ucgaggagcucacaguc <u>uag</u>	104	0	GDM
.....ucgaggagcucacagucC <u>g</u>	3	1	GDM
.....ucgaggagcucacaguc <u>uaA</u>	9	1	GDM
.....ucgaggagcucacaguc <u>uag</u>	104	0	GDM
.....ucgaggagcucacaguc <u>uaA</u>	9	1	GDM

uuuccugccchcgagggagcagcagucuaugucucaucccuacuagacugaagcuccuugaggacagggauuggucauacucaccuc

.....uaUuagacugaagcuccuuga.....	1	1	GDM
.....uacuagacugaagcuccuuga.....	128	0	GDM
.....uacuagacugaagcuccuugU.....	1	1	GDM
.....uacuagacugaagcuccuuaA.....	1	1	GDM
.....uacuagacugaagcuccuugG.....	3	1	GDM
.....uacuagacugaagcuccuuga.....	128	0	GDM
.....uacuagacugaaUcuccuuga.....	1	1	GDM
.....uacuagacugaagcucAuuga.....	1	1	GDM
.....uacuagacugGagcuccuugag.....	2	1	GDM
.....uacuagacugaagcuccuugGg.....	6	1	GDM
.....uacuagacugaagcuccuugGg.....	6	1	GDM
.....uacuagacugaagcuccuugaC.....	4	1	GDM
.....uacuagaUugaagcuccuugag.....	1	1	GDM
.....uacuGgacugaagcuccuugag.....	1	1	GDM
.....uacuagacugaagcuccuugaU.....	2	1	GDM
.....uacuagacCgaagcuccuugag.....	2	1	GDM
.....uacuagacugGagcuccuugag.....	2	1	GDM
.....uaUuagacugaagcuccuugag.....	2	1	GDM
.....uacuagacugaagcuccuugaA.....	7	1	GDM
.....uacCagacugaagcuccuugag.....	1	1	GDM
.....uGcuagacugaagcuccuugag.....	4	1	GDM
.....uacuagGcugaagcuccuugag.....	2	1	GDM
.....uacuagacugaagcuccuugaA.....	7	1	GDM
.....uacuagacugaagcuccuugag.....	293	0	GDM
.....uGcuagacugaagcuccuugag.....	4	1	GDM
.....uacuagacugaagcuccuugaC.....	4	1	GDM
.....uacuagGcugaagcuccuugag.....	2	1	GDM
.....uacuagacugaGgcuccuugag.....	1	1	GDM
.....uGcuagacugaagcuccuugag.....	4	1	GDM
.....uacuagacugaagcuccuugag.....	293	0	GDM
.....uacuagacugaagcuccuugag.....	293	0	GDM
.....uacuagaGgaagcuccuugag.....	1	1	GDM
.....uacuagacugaagcuccuugGg.....	6	1	GDM
.....uacuagacugaagcuccuugaA.....	7	1	GDM
.....uaUuagacugaagcuccuugag.....	2	1	GDM
.....uacuagacugaagcuccCugagg.....	14	1	GDM
.....uaUuagacugaagcuccuugagg.....	5	1	GDM
.....uacuaAacugaagcuccuugagg.....	9	1	GDM
.....uacuagacugaGgcuccuugagg.....	21	1	GDM
.....uaAuagacugaagcuccuugagg.....	2	1	GDM
.....uacuagacuAaagcuccuugagg.....	4	1	GDM
.....uacuagacugaagcuccuCgagg.....	15	1	GDM
.....uacuagacugaagcuccuAugagg.....	1	1	GDM
.....uacuagacugaagcucAcuagagg.....	1	1	GDM
.....uacuagacugaUgcuccuugagg.....	4	1	GDM
.....uacuagCcuagaagcuccuugagg.....	1	1	GDM
.....uacuagGcugaagcuccuugagg.....	17	1	GDM
.....uacuagacugaagcuccuugUgg.....	3	1	GDM
.....uGcuagacugaagcuccuugagg.....	7	1	GDM
.....uacuaUacugaagcuccuugagg.....	2	1	GDM
.....uacuagacugaaAcuccuugagg.....	6	1	GDM
.....uacuagaUugaagcuccuugagg.....	6	1	GDM
.....uacuagGcugaagcuccuugagg.....	17	1	GDM
.....uacuagacugaagcuccuugagC.....	14	1	GDM
.....uCcuagacugaagcuccuugagg.....	4	1	GDM
.....Aacuagacugaagcuccuugagg.....	7	1	GDM
.....uacuagacuAaagcuccuugagg.....	4	1	GDM
.....uacCagacugaagcuccuugagg.....	10	1	GDM
.....uacuagacugaagcuccuCgagg.....	15	1	GDM
.....uacuagacugaagcucUcuugagg.....	4	1	GDM
.....uacAagacugaagcuccuugagg.....	2	1	GDM
.....uacCagacugaagcuccuugagg.....	10	1	GDM
.....uCcuagacugaagcuccuugagg.....	4	1	GDM
.....uGcuagacugaagcuccuugagg.....	7	1	GDM
.....uacuagacugaagcAccuugagg.....	3	1	GDM
.....uacuagacugaagcuccuugGgg.....	22	1	GDM
.....uacuagacugaagcuccuugGgg.....	22	1	GDM
.....uacuagacugaagcuccuugCgg.....	2	1	GDM

uuuccugccchcgagggaggfifibcagucuauguucucaucccuacuagacugaagcuccuugaggacagggauuggucauacucaccuc

.....uacuagacugaagcuccuugaggU.....	54	1	GDM
.....uacuagacugaagcuccuugaggA.....	51	0	GDM
.....uacuagacugaagcuccuugaggC.....	3	1	GDM
.....uacuagacugaagcuccuugaggC.....	3	1	GDM
.....uacuagacugUagcuccuugaggA.....	1	1	GDM
.....uacuagacugaagcuccuugaggA.....	51	0	GDM
.....uacuagacugaagcuccuugaggU.....	54	1	GDM
.....uacuagacugaUgcuccuugaggA.....	4	1	GDM
.....uacuagacugaagcuccuugaggU.....	54	1	GDM
.....uacuagacugaagcuccuugaggA.....	51	0	GDM
.....uacuagacugaagcuccuugaggC.....	3	1	GDM
.....uacuagacugaagcuccuugaggA.....	4	1	GDM
.....uacuagacugaagcuccuugaggA.....	4	1	GDM
.....uacuagacugaagcuccuugaggA.....	3	1	GDM
.....uacuagacugaagcuccuugaggA.....	3	1	GDM
.....acuagacugaagcuccuug.....	17	0	GDM
.....acuagacugaagcuccuug.....	17	0	GDM
.....acuagacugaagcuccuug.....	1	1	GDM
.....acuagacugaagcuccuug.....	17	0	GDM
.....acuagacugaagcuccuuga.....	7	0	GDM
.....acCagacugaagcuccuuga.....	1	1	GDM
.....acuagacugaagcuccuuga.....	7	0	GDM
.....acuagacugaagcuccuuga.....	7	0	GDM
.....acuagacugaagcuccuuga.....	1	1	GDM
.....acuagacugaagcuccuugag.....	32	0	GDM
.....acuagacugaagcuccuugag.....	32	0	GDM
.....acuagacugGagcuccuugag.....	1	1	GDM
.....acuagacugaagcuccuugaA.....	2	1	GDM
.....acuagacCgaagcuccuugag.....	1	1	GDM
.....acuagGcugaagcuccuugag.....	1	1	GDM
.....acuagacugaagcuccuugag.....	32	0	GDM
.....acuagacugaagcuUcuugagg.....	1	1	GDM
.....acuagacugaagcuccuugagg.....	8	1	GDM
.....acuagacugaagcuccuugagg.....	1063	0	GDM
.....acuagacugaagcuccuugagg.....	8	1	GDM
.....acuagacuAaagcuccuugagg.....	2	1	GDM
.....Ucuagacugaagcuccuugagg.....	3	1	GDM
.....acuagUcuagcuccuugagg.....	2	1	GDM
.....acuAaCugaagcuccuugagg.....	1	1	GDM
.....acuagacugaagcuccuugagg.....	8	1	GDM
.....acuagacugaGgcuccuugagg.....	6	1	GDM
.....acuagacugaagcuccuugagC.....	5	1	GDM
.....acuagacugaagcuccuugagg.....	7	1	GDM
.....acuagacugGagcuccuugagg.....	12	1	GDM
.....acuagacugaagcuccuugagg.....	1063	0	GDM
.....acuagacCgaagcuccuugagg.....	3	1	GDM
.....acuagacCgaagcuccuugagg.....	3	1	GDM
.....acuGgacugaagcuccuugagg.....	10	1	GDM
.....Ccuagacugaagcuccuugagg.....	17	1	GDM
.....acCagacugaagcuccuugagg.....	8	1	GDM
.....Gcuagacugaagcuccuugagg.....	4	1	GDM
.....Ccuagacugaagcuccuugagg.....	17	1	GDM
.....acCagacugaagcuccuugagg.....	8	1	GDM
.....acuagacugaagUuccuugagg.....	3	1	GDM
.....acuagGcugaagcuccuugagg.....	7	1	GDM
.....Gcuagacugaagcuccuugagg.....	4	1	GDM
.....acuagacugGagcuccuugagg.....	12	1	GDM
.....acuagacugaagcuccuugagg.....	1	1	GDM
.....acuagacugaagcuccuugagg.....	7	1	GDM
.....Gcuagacugaagcuccuugagg.....	4	1	GDM
.....acuagacugaagcuccuugagg.....	8	1	GDM
.....acuagaUugaagcuccuugagg.....	1	1	GDM
.....acuagacugaagcuccuugaggU.....	20	1	GDM
.....acuagacugaaCcuccuugagg.....	1	1	GDM
.....acuagGcugaagcuccuugagg.....	7	1	GDM
.....Ccuagacugaagcuccuugagg.....	17	1	GDM
.....acuagacugaGgcuccuugagg.....	6	1	GDM
.....acuagacugaaAcuccuugagg.....	3	1	GDM

uuuccugccchcgagggagcagcagucuaugucucauccccuacuagacugaagcuccuugaggacagggauggucauacucaccuc

.....cuUgacugaagcuccuuga.....	1	1	GDM
.....cuGgacugaagcuccuuga.....	1	1	GDM
.....cuagacugaGgcuccuuga.....	9	1	GDM
.....cuagacugaagcuccuugU.....	9	1	GDM
.....cuagacugaagcuccuugG.....	2	1	GDM
.....cuagacugaagcuccuugU.....	9	1	GDM
.....cuagacugaagcuccuCga.....	1	1	GDM
.....cuagacugaUgcuccuuga.....	1	1	GDM
.....cuagacugaagcuccuuga.....	221	0	GDM
.....cuagacugaagcuccuuga.....	221	0	GDM
.....cuagacugGagcuccuuga.....	3	1	GDM
.....cCagacugaagcuccuuga.....	1	1	GDM
.....cuagacugaagcuccuuga.....	221	0	GDM
.....cuagacugaagcuccuugG.....	2	1	GDM
.....cuagacCgaagcuccuuga.....	2	1	GDM
.....cuagGcugaagcuccuuga.....	2	1	GDM
.....cuagacugaagcuccuugU.....	9	1	GDM
.....cuagacugUagcuccuuga.....	1	1	GDM
.....cuagacugGagcuccuuga.....	3	1	GDM
.....cuagacugaagcuccCugag.....	4	1	GDM
.....cuagGcugaagcuccuugag.....	5	1	GDM
.....cuagacugaagcuccuugaC.....	3	1	GDM
.....cuagacugaCgcuccuugag.....	1	1	GDM
.....cuagacugGagcuccuugag.....	6	1	GDM
.....cuagGcugaagcuccuugag.....	5	1	GDM
.....cuaAacugaagcuccuugag.....	3	1	GDM
.....cuagacugaagcuccuugaA.....	39	1	GDM
.....cuagacuAaagcuccuugag.....	1	1	GDM
.....cuagacugaGgcuccuugag.....	3	1	GDM
.....Uuagacugaagcuccuugag.....	6	1	GDM
.....cuagacCgaagcuccuugag.....	8	1	GDM
.....cCagacugaagcuccuugag.....	1	1	GDM
.....Auagacugaagcuccuugag.....	1	1	GDM
.....cuagacugaAacuccuugag.....	2	1	GDM
.....cuagacugUagcuccuugag.....	1	1	GDM
.....cuagaUugaagcuccuugag.....	1	1	GDM
.....cuagacugaagcuccCugag.....	4	1	GDM
.....Uuagacugaagcuccuugag.....	6	1	GDM
.....cuagacugaagcuccuugaU.....	1	1	GDM
.....cuagacugaagcuccuugCg.....	2	1	GDM
.....cuagacugaagcCccuugag.....	2	1	GDM
.....cuGgacugaagcuccuugag.....	3	1	GDM
.....cuagacugaagcuccuugaA.....	39	1	GDM
.....cuagacugaagcuccCgag.....	1	1	GDM
.....cuagacCgaagcuccuugag.....	8	1	GDM
.....cuagacugaagcCccuugag.....	2	1	GDM
.....cuagacugaGgcuccuugag.....	3	1	GDM
.....cuagacugaagcuccuAagag.....	1	1	GDM
.....cuagGcugaagcuccuugag.....	5	1	GDM
.....cuUgacugaagcuccuugag.....	3	1	GDM
.....cAagacugaagcuccuugag.....	3	1	GDM
.....cuagacugaagcuccuugaA.....	660	0	GDM
.....cuagacugaagcuccuugaA.....	39	1	GDM
.....cuagacugaagcuccuugGg.....	1	1	GDM
.....cuagacugaagcuccuugag.....	660	0	GDM
.....Guagacugaagcuccuugag.....	1	1	GDM
.....cAagacugaagcuccuugag.....	3	1	GDM
.....cuagacugGagcuccuugag.....	6	1	GDM
.....cuagacugaagcuccuugag.....	660	0	GDM
.....cuagacugaGgcuccuugag.....	3	1	GDM
.....cuagUcugaagcuccuugag.....	2	1	GDM
.....cuagacugaagcuccuugaC.....	3	1	GDM
.....cuaUacugaagcuccuugagg.....	37	1	GDM
.....cuagacugaagcuccuugagg.....	290	1	GDM
.....cuagacugaCgcuccuugagg.....	9	1	GDM
.....cuagacugaagcuccuugCgg.....	46	1	GDM
.....Uuagacugaagcuccuugagg.....	192	1	GDM
.....Guagacugaagcuccuugagg.....	17	1	GDM

uuuccugccchcgagggagcaccacagucuaugucauccccuacuagacugaagcuccuugaggacagggauaggucauacucaccuc

.....cuagacugaagcucc <u>Augagg</u>	64	1	GDM
.....cuagacugaagcucc <u>Augagg</u>	22	1	GDM
.....cuagacugaagcuccu <u>ugaCg</u>	12	1	GDM
.....cuagacugaagcuccu <u>ugagC</u>	339	1	GDM
.....cuagacugaagcuccu <u>ugGgg</u>	501	1	GDM
.....cuagacugaag <u>Guccuugagg</u>	3	1	GDM
.....cuagacugaagcuccu <u>Ggagg</u>	14	1	GDM
.....cuagacugaagcuccu <u>ugCgg</u>	46	1	GDM
.....cuagacugaagcu <u>Acuugagg</u>	18	1	GDM
.....cuagacuga <u>Ucuccuugagg</u>	33	1	GDM
.....cuagacugaagcuccu <u>ugagg</u>	72027	0	GDM
.....cuagacu <u>aaagcuccuugagg</u>	76	1	GDM
.....cuagacugaagcuccu <u>Ggagg</u>	29	1	GDM
.....cuagacugaagcuccu <u>Ggagg</u>	370	1	GDM
.....cuagacugaagcuccu <u>ugagA</u>	4196	1	GDM
.....cuag <u>Ucugaagcuccuugagg</u>	93	1	GDM
.....cuagac <u>Ggaagcuccuugagg</u>	32	1	GDM
.....cuaga <u>Augaagcuccuugagg</u>	19	1	GDM
.....cuagacuga <u>Acuccuugagg</u>	95	1	GDM
.....cu <u>Ugacugaagcuccuugagg</u>	45	1	GDM
.....cuagacuga <u>Ugcuccuugagg</u>	48	1	GDM
.....c <u>Aagacugaagcuccuugagg</u>	83	1	GDM
.....cuagacugaag <u>Uuccuugagg</u>	90	1	GDM
.....cuagacugaagcuccu <u>ugaUg</u>	20	1	GDM
.....cuagacugaag <u>Guccuugagg</u>	3	1	GDM
..... <u>Uuagacugaagcuccuugagg</u>	192	1	GDM
.....cuagac <u>Ggaagcuccuugagg</u>	363	1	GDM
.....cuag <u>Ccugaagcuccuugagg</u>	21	1	GDM
.....cuag <u>Ucugaagcuccuugagg</u>	93	1	GDM
.....cuagacugaagcuccu <u>Uuugagg</u>	47	1	GDM
.....cuag <u>Gcugaagcuccuugagg</u>	402	1	GDM
.....cuagacugaagcuccu <u>Ggagg</u>	370	1	GDM
.....cuagacugaagcu <u>Acuugagg</u>	18	1	GDM
.....cuagacuga <u>Cgcuccuugagg</u>	9	1	GDM
.....cuagacug <u>Gagcuccuugagg</u>	450	1	GDM
.....cu <u>Cgacugaagcuccuugagg</u>	12	1	GDM
.....cuagacug <u>Cagcuccuugagg</u>	14	1	GDM
.....cuagacugaagcuccu <u>ugagg</u>	14	1	GDM
.....cuagacugaagcuccu <u>Augagg</u>	22	1	GDM
.....c <u>Cagacugaagcuccuugagg</u>	260	1	GDM
.....cuagacugaagcuccu <u>Ggagg</u>	29	1	GDM
.....cuaga <u>Gugaagcuccuugagg</u>	5	1	GDM
.....cuagacugaagc <u>Accuugagg</u>	73	1	GDM
.....cuag <u>Gcugaagcuccuugagg</u>	402	1	GDM
.....cuagacugaagcuccu <u>Cgagg</u>	290	1	GDM
.....cu <u>Ggacugaagcuccuugagg</u>	312	1	GDM
.....cuagacu <u>Uaagcuccuugagg</u>	12	1	GDM
.....cuaga <u>Gugaagcuccuugagg</u>	5	1	GDM
.....cuagacugaagcuccu <u>Ggagg</u>	29	1	GDM
.....cu <u>Aacugaagcuccuugagg</u>	85	1	GDM
.....cuagacugaagcuccu <u>ugagg</u>	369	1	GDM
..... <u>Auagacugaagcuccuugagg</u>	56	1	GDM
.....cuagacuga <u>Ucuccuugagg</u>	33	1	GDM
.....cuagacugaagcuccu <u>Augagg</u>	64	1	GDM
.....cuagacug <u>Cagcuccuugagg</u>	14	1	GDM
.....cuagacugaagc <u>Accuugagg</u>	73	1	GDM
.....cu <u>Ugacugaagcuccuugagg</u>	45	1	GDM
.....cuagacuga <u>Ccuccuugagg</u>	10	1	GDM
.....cuagacuga <u>Ugcuccuugagg</u>	48	1	GDM
.....cuagacugaagcuccu <u>ugagg</u>	72027	0	GDM
.....cuag <u>Gcugaagcuccuugagg</u>	402	1	GDM
.....cuagacugaagcuccu <u>ugCgg</u>	46	1	GDM
.....cuagacugaagcuccu <u>ugGgg</u>	501	1	GDM
.....cuagacugaagcuccu <u>Ggagg</u>	14	1	GDM
.....cuagacugaagcuccu <u>Uuugagg</u>	47	1	GDM
.....cuagacugaagcuccu <u>ugagA</u>	4196	1	GDM
.....cuagacugaagcuccu <u>ugagC</u>	339	1	GDM
.....cuagacugaagcuccu <u>Augagg</u>	22	1	GDM

uuuccugccchcgagggagcaccagucuaugucauccccuacuagacugaagcuccuugaggacagggauaggcauacucaccuc

.....cuagacugaagcuUcuugagg.....	55	1	GDM
.....cuagacugaagcucGuugagg.....	2	1	GDM
.....cuagacuUaagcuccuugagg.....	12	1	GDM
.....Uuagacugaagcuccuugagg.....	192	1	GDM
.....cuagacGgaagcuccuugagg.....	32	1	GDM
.....cuagacugaaCcuuccuugagg.....	10	1	GDM
.....cuagacugaagcuccuugaAg.....	69	1	GDM
.....cuagacugaagcuccuugaUg.....	20	1	GDM
.....cuagacugaagcGccuugagg.....	14	1	GDM
.....cuagacugaagcuccuugUgg.....	69	1	GDM
.....cuCgacugaagcuccuugagg.....	12	1	GDM
.....cGagacugaagcuccuugagg.....	7	1	GDM
.....cuagacugaagcuccuugagg.....	370	1	GDM
.....cuagacugaagcuccuugaggA.....	4196	1	GDM
.....cuaUacugaagcuccuugagg.....	37	1	GDM
.....cuagacugaagcuccuugagg.....	72027	0	GDM
.....cuagacugaagcuccuugaCg.....	12	1	GDM
.....cuagacugaagcuccuugUgg.....	69	1	GDM
.....cuagacugaagcuccuugCagg.....	2	1	GDM
.....cuUgacugaagcuccuugagg.....	45	1	GDM
.....cuagacugaagcuccuugGgg.....	501	1	GDM
.....cuagacugaUgcuccuugagg.....	48	1	GDM
.....cCagacugaagcuccuugagg.....	260	1	GDM
.....cuagacugaagUuccuugagg.....	90	1	GDM
.....cuagacugaagcCccuugagg.....	369	1	GDM
.....cuagacugaagcucGuugagg.....	2	1	GDM
.....cuagacugaagcuccuugaAg.....	69	1	GDM
.....cuagacugaUuccuugagg.....	33	1	GDM
.....cuagacugaagcuccuAgagg.....	44	1	GDM
.....cuagacugaagcuccuAagg.....	58	1	GDM
.....cuaAacugaagcuccuugagg.....	85	1	GDM
.....cuagacugaagcuccuUagg.....	18	1	GDM
.....cuagacugaagcGccuugagg.....	14	1	GDM
.....cuagCcuugaagcuccuugagg.....	21	1	GDM
.....cAagacugaagcuccuugagg.....	83	1	GDM
.....cuagacCgaagcuccuugagg.....	363	1	GDM
.....cuCgacugaagcuccuugagg.....	312	1	GDM
.....cuagacugaagcuccuugaggU.....	1138	1	GDM
.....cuagacuUaagcuccuugagg.....	12	1	GDM
.....cuagacugUagcuccuugagg.....	106	1	GDM
.....cuagacugUagcuccuugagg.....	106	1	GDM
.....cuagaUugaagcuccuugagg.....	59	1	GDM
.....cuagacugaGgcuccuugagg.....	475	1	GDM
.....cuagaAugaagcuccuugagg.....	19	1	GDM
.....cuagacugaagcUcuugagg.....	55	1	GDM
.....cuagacugaagcuccuugaggU.....	1138	1	GDM
.....cuagacugaagcuccuugUgg.....	69	1	GDM
.....Guagacugaagcuccuugagg.....	17	1	GDM
.....cuagacugaagcuccuUagg.....	18	1	GDM
.....cuagacugaagcuccuAgagg.....	44	1	GDM
.....cuagUcugaagcuccuugagg.....	93	1	GDM
.....cuagacugCagcuccuugagg.....	14	1	GDM
.....cuagacugaagcuccAagagg.....	64	1	GDM
.....cuagacugaagcuccuAgagg.....	44	1	GDM
.....cuaCacugaagcuccuugagg.....	1	1	GDM
.....cuagaUugaagcuccuugagg.....	59	1	GDM
.....Auagacugaagcuccuugagg.....	56	1	GDM
.....cuagacugaagcucUuugagg.....	47	1	GDM
.....cuagacugUagcuccuugagg.....	106	1	GDM
.....cuagacugaagcuccuucCagg.....	2	1	GDM
.....cuagacugGagcuccuugagg.....	450	1	GDM
.....cuagacugaagcuccuAagg.....	58	1	GDM
.....cuagacugaagcuccuugaAg.....	69	1	GDM
.....cuaAacugaagcuccuugagg.....	85	1	GDM
.....Auagacugaagcuccuugagg.....	56	1	GDM
.....cCagacugaagcuccuugagg.....	260	1	GDM
.....cuagacugGagcuccuugagg.....	450	1	GDM
.....cAagacugaagcuccuugagg.....	83	1	GDM

uuuccugccchcgagggagcaccagucuaugucucauccccuacuagacugaagcuccuugaggacagggauaggucauacucaccuc

.....cuaUacugaagcuccuugagg.....	17	1	ZZ_
.....cuagacugaagcAccuugagg.....	20	1	ZZ_
.....cuagacugaagcuccuugCgg.....	6	1	ZZ_
.....cuagacugCagcuccuugagg.....	8	1	ZZ_
.....cuagacugaUgcuccuugagg.....	11	1	ZZ_
.....cuagacugaaCcuuccuugagg.....	6	1	ZZ_
.....cuagacugaagcUcuugagg.....	6	1	ZZ_
.....cuagacugaagcUuugagg.....	4	1	ZZ_
.....cuagacugaGgcuccuugagg.....	11	1	ZZ_
.....cuagacugGagcuccuugagg.....	10	1	ZZ_
.....cuagacugaagcuccuugUgga.....	1	1	ZZ_
.....cuagacugaagcuccuAgagg.....	4	1	ZZ_
.....cuagacugaagcuccuugaggAa.....	12	1	ZZ_
.....cuagGcuagcuccuugagg.....	7	1	ZZ_
.....cuagacugaagcuccuugaAga.....	2	1	ZZ_
.....cuagacugaagcuccuugaggU.....	892	1	ZZ_
.....cuaUacugaagcuccuugagg.....	1	1	ZZ_
.....cuagacugaagcAccuugagg.....	1	1	ZZ_
.....cuagacugaagcuccuugagg.....	8	1	ZZ_
.....cuagacugaagcuccuugaggG.....	20	1	ZZ_
.....cuagacugaagcuccuugaggUa.....	112	1	ZZ_
.....cuagaUugaagcuccuugagg.....	2	1	ZZ_
.....cuagacugaagcuccuugagg.....	1	1	ZZ_
.....cuagacugaagcuccuugagg.....	6	1	ZZ_
.....cuagacugaagcuccuugagg.....	13	1	ZZ_
.....cuUgacugaagcuccuugagg.....	2	1	ZZ_
.....cuagUcugaagcuccuugagg.....	3	1	ZZ_
.....cCagacugaagcuccuugagg.....	14	1	ZZ_
.....cuagacugaagcuccuugagg.....	1742	0	ZZ_
.....cuagacGgaagcuccuugagg.....	1	1	ZZ_
.....cuagacugaagcuccuugagg.....	9	1	ZZ_
.....cuagacugaagcuccuugagg.....	1	1	ZZ_
.....Uuagacugaagcuccuugagg.....	5	1	ZZ_
.....cuGgacugaagcuccuugagg.....	11	1	ZZ_
.....cuagacugaagcuccuugagg.....	3	1	ZZ_
.....cuagacugaagcuccuugaggC.....	54	1	ZZ_
.....Auagacugaagcuccuugagg.....	2	1	ZZ_
.....cuagacuAaagcuccuugagg.....	3	1	ZZ_
.....Guagacugaagcuccuugagg.....	1	1	ZZ_
.....cuagacugaagcuccuugagg.....	1	1	ZZ_
.....cuagacugaagcuccuugGgga.....	10	1	ZZ_
.....cuagacugaagcuccuugaggac.....	6	0	ZZ_
.....cuagacugaagcuccuugaggA.....	417	1	ZZ_
.....cuagacugaagcuccuugaggG.....	1	1	ZZ_
.....cuagacugaagcuccuugaggUc.....	6	1	ZZ_
.....cuagacugaagcuccuugaggU.....	85	1	ZZ_
.....cuagacugaagcuccuugaggAa.....	31	1	ZZ_
.....cuagacugaagcuccuugaggacC.....	1	1	ZZ_
.....cuagacugaagcuccuugaggGa.....	5	1	ZZ_
.....cuagacugaagcuccuugaggaca.....	4	0	ZZ_
.....cuagacugaagcuccuugaggacU.....	7	1	ZZ_
.....cuagacugaagcuccuugaggacG.....	1	1	ZZ_
.....uGgacugaagcuccuugagg.....	1	1	ZZ_
.....uagacugaagcuccuugagg.....	24	0	ZZ_
.....uagacugaagcuccuugagg.....	1	1	ZZ_
.....uagaUugaagcuccuugagg.....	4	1	ZZ_
.....uagacCgaagcuccuugagg.....	1	1	ZZ_
.....uagacugaagUuccuugagg.....	3	1	ZZ_
.....uagacugaagcuccuugGgg.....	1	1	ZZ_
.....uagacugaagcuccuugaggA.....	3	1	ZZ_
.....uagacugaagcuccuugaggU.....	2	1	ZZ_
.....uagacugaagcuccuugagg.....	11	0	ZZ_
.....uagacugaGgcuccuugagg.....	4	1	ZZ_
.....uagacugaagcuccuugaggac.....	4	0	ZZ_
.....Cagacugaagcuccuugaggaca.....	1	1	ZZ_
.....uagacugaagcuccuugaggaca.....	3	0	ZZ_
.....uagacugaagcuccuugaggacU.....	3	1	ZZ_
.....agacugaagcuccuugagg.....	3	0	ZZ_

hsa-miR-151a-3p

hsa-miR-151a-5p

uuuccugccchcgagggcgcacagucuauguaucauccccuacuagacugaagcuccuugaggacagggauaggucauacucaccuc

.....agacugaagcuccuugaggac.....	3	0	22_
.....agacugaagcuccuugaggacU.....	11	1	22_
.....agacugaagcuccuugaggacC.....	3	1	22_