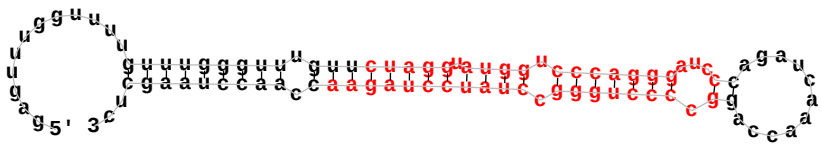
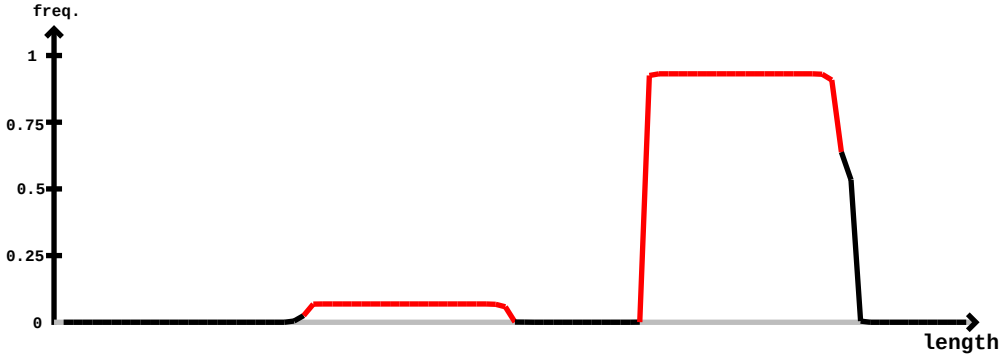
miRBase precursor : hsa-mir-331
Total read count : 3861
hsa-miR-331-5p read count : 265
hsa-miR-331-3p read count : 3596
remaining reads : 0






```
                                                                                                                  hsa-miR-331-3p
                                  hsa-miR-331-5p
5'- gaguuugguuuguuuggguuuguucuagguauggucccagggauccccagaucaaaccaggccccugggccuauccuagaaccaaccuaagcuc  -3'    exp
    ............(((((((((.(((((((.((((.(((((((...((...........)).)))))))).)))))))))))))).)))))))))..   reads     mm        sample
    ......................uucCagguaugguccCagggauc.....................................................   2         1         Z3_
    ......................uucuagguaugguccCGggauc.......................................................   1         1         Z3_
    ......................ucuagguaugguccCagggau........................................................   1         0         Z3_
    ......................ucuagguaugguccCagggauc.......................................................   3         0         Z3_
    ......................ucuagguaugguccCagggauU......................................................   3         1         Z3_
    ......................cuagguaugguccCagggau........................................................   2         0         Z3_
    ......................cuagguaugguccCagggauc.......................................................   3         0         Z3_
    ......................cuagguaugguccCagggauU......................................................   8         1         Z3_
    ..........................................................gccccugggccuauccuag.....................   3         0         Z3_
    ..........................................................gccccugggccuauccuaUa....................   1         1         Z3_
    ..........................................................gccccugggccAauccuaga....................   1         1         Z3_
    ..........................................................Cccccugggccuauccuaga....................   1         1         Z3_
    ..........................................................Accccugggccuauccuaga....................   1         1         Z3_
    ..........................................................gccccugggccuauccuaga....................   55        0         Z3_
    ..........................................................gccccugggccuauccuagG....................   1         1         Z3_
    ..........................................................gccccugggccuauccuagU....................   1         1         Z3_
    ..........................................................gccccugggccuauccuagaU...................   19        1         Z3_
    ..........................................................gccccugggccuauccuagaa...................   24        0         Z3_
    ..........................................................gccccugggccuauccCagaa...................   1         1         Z3_
    ..........................................................gccccugggccuauccuagaC...................   1         1         Z3_
    ..........................................................gccccugggccuauccuagaCc..................   3         1         Z3_
    ..........................................................gccccugggccuauccuagaac..................   10        0         Z3_
    ..........................................................gccccugggccuauccuagaaU..................   160       1         Z3_
    ..........................................................gccccugggccuauccuagaaA..................   8         1         Z3_
    ..........................................................gccccugggccuauccuagaaUc.................   1         1         Z3_
    ..........................................................gccccugggccuauccuagaacc.................   1         0         Z3_
    ..........................................................gccccugggccuauccuagaacU.................   3         1         Z3_

    ......................uucuagguaugguccCagggauU......................................................   1         1         Z2_
    ......................ucuagguaugguccCagggau........................................................   1         0         Z2_
    ......................ucuagguaugguccCagggauU......................................................   7         1         Z2_
    ......................ucuagguaugguccCagggauc.......................................................   11        0         Z2_
    ......................cuagguaugguccCagggauU......................................................   7         1         Z2_
    ......................cuagguaugguccCagggauc.......................................................   9         0         Z2_
```

hsa-miR-331-3p

hsa-miR-331-5p

gaguuuggguuuguuuggguuuguucuagguauggucccagggauccccagaucaaaccaggcccccugggccuauccuagaaccaaccuaagcuc

.....cuagguauggucccagggauA.....	3	1	Z2_
.....cuagguauggucccagggaucc.....	1	0	Z2_
.....gccccugggccuauccuag.....	7	0	Z2_
.....gccccugggccuauccuGga.....	2	1	Z2_
.....gccccugggccuaCccuaga.....	1	1	Z2_
.....gccccugggcUuauccuaga.....	1	1	Z2_
.....gccccugggccuauccuaga.....	150	0	Z2_
.....gccccuggAccuauccuaga.....	1	1	Z2_
.....gccccugAgccuauccuaga.....	1	1	Z2_
.....gUcccugggccuauccuagaa.....	2	1	Z2_
.....gccccugggccuauccuagaa.....	50	0	Z2_
.....gccccugggccuauccuagaG.....	1	1	Z2_
.....gccccugggccuauccuagaU.....	11	1	Z2_
.....gccccugggccuauccuagUa.....	2	1	Z2_
.....gccccugggccuauccuagaC.....	4	1	Z2_
.....gccccugggccuauccuagaaA.....	14	1	Z2_
.....gccccugggccuauccuagaaU.....	306	1	Z2_
.....gccccugggccuauccuagaUc.....	1	1	Z2_
.....gccccugggccuauccuagaCc.....	2	1	Z2_
.....gccccugggccuauUcuagaac.....	1	1	Z2_
.....gccccugggccuauccuagaac.....	10	0	Z2_
.....gccccugggccuauccuagaaAc.....	2	1	Z2_
.....Gcccugggccuauccuagaa.....	1	1	Z2_
.....ccccugggccuauccuagaa.....	2	0	Z2_
.....ccccugggccCauccuagaa.....	1	1	Z2_
.....ccccugggccuauccuagaaU.....	4	1	Z2_
.....ccccugggccuauccuagaaG.....	2	1	Z2_
.....uucuagguauggucccaggga.....	1	0	GDM
.....uucuagguauggucccagggau.....	1	0	GDM
.....uucuagguauggucccagggauc.....	4	0	GDM
.....uucuagguauggucccagggauc.....	4	0	GDM
.....ucuagguauggucccagggau.....	2	0	GDM
.....ucuagguauggucccagggauc.....	13	0	GDM
.....ucuagguauggucccagggauc.....	13	0	GDM
.....ucuagguauggucccagggauA.....	3	1	GDM
.....ucuagguauggucccagggauA.....	3	1	GDM
.....ucuagguauggucccagggauU.....	9	1	GDM
.....ucuagguauggucccagggauU.....	9	1	GDM
.....ucuagguauggucccagggauccU.....	1	1	GDM
.....cuagguauggucccaggga.....	3	0	GDM
.....cuagguauggucccagggau.....	18	0	GDM
.....cuagguauggucccagggau.....	18	0	GDM
.....cCagguauggucccagggau.....	1	1	GDM
.....cuagguauggucccagggau.....	18	0	GDM
.....cuagguauggucccagggauA.....	4	1	GDM
.....cuagguauggucccagggaAc.....	2	1	GDM
.....cuagguauggucccagggauc.....	23	0	GDM
.....cuagguauggucccagggauc.....	23	0	GDM
.....cuagguauggucccagggauU.....	27	1	GDM
.....cuagguauggucccagggauU.....	27	1	GDM
.....cuagguauggucccagggauA.....	4	1	GDM
.....cuagguauggucccagggauA.....	4	1	GDM
.....cuagguauggucccagggauU.....	27	1	GDM
.....cuagguauggucccagggauccU.....	1	1	GDM
.....uagguauggucccagggauU.....	1	1	GDM
.....gCccccugggccuauccuagaac.....	1	1	GDM
.....gccccugggccuauccua.....	5	0	GDM
.....gccccugggccuauccua.....	5	0	GDM
.....gccccugggccuauccua.....	5	0	GDM
.....gccccugggccuauccuCg.....	1	1	GDM
.....gcAccugggccuauccuag.....	2	1	GDM
.....gccccugggccuauccuag.....	47	0	GDM
.....gccccugggccuauccuaA.....	1	1	GDM
.....gccccugggccuauccuag.....	47	0	GDM
.....gccccugggccuauccuag.....	47	0	GDM
.....gccccuggAccuauccuaga.....	3	1	GDM
.....gccccugggccuauccuagU.....	8	1	GDM
.....gccccugggccuauccAaga.....	1	1	GDM

hsa-miR-331-3p

hsa-miR-331-5p

gaguuuggguuuguuuggguuuguucuagguauggucccagggauccccagaucaaaccaggcccccugggccuauccuagaaccaaccuaagcuc

.....Accccugggccuauccuaga.....	1	1	GDM
.....gccccuAggccuauccuaga.....	2	1	GDM
.....gccccugggccuaCccuaga.....	3	1	GDM
.....gccccugggccuauccuagG.....	7	1	GDM
.....gccccugggccuaAccuaga.....	1	1	GDM
.....gccccugggccuauUcuaga.....	1	1	GDM
.....gccccugggccuauccuagC.....	1	1	GDM
.....gccccugggccuauccuaga.....	537	0	GDM
.....gccccugggccuauccuGga.....	5	1	GDM
.....gccccugAgccuauccuaga.....	3	1	GDM
.....gccccugggccuauccuaga.....	537	0	GDM
.....gccccugAgccuauccuaga.....	3	1	GDM
.....gccccugggccuauccuagU.....	8	1	GDM
.....gccccCgggccuauccuaga.....	1	1	GDM
.....gccccugggccuaucUuaga.....	1	1	GDM
.....gccccuggAccuauccuaga.....	3	1	GDM
.....gccccugggccAauccuaga.....	1	1	GDM
.....gccccugggccuauccuagG.....	7	1	GDM
.....gcUccugggccuauccuaga.....	2	1	GDM
.....gccccugggccuauccCaga.....	2	1	GDM
.....gccccugggccuauccuaga.....	537	0	GDM
.....gccccugggccuauccuGga.....	5	1	GDM
.....gccccugggccuauccuagU.....	8	1	GDM
.....gccccugggccuauccuaAa.....	3	1	GDM
.....gccccugggccuaCccuaga.....	3	1	GDM
.....gccccugggccuauccuagaC.....	6	1	GDM
.....gccccCgggccuauccuagaa.....	1	1	GDM
.....gccccugggccuauccuagGa.....	2	1	GDM
.....gccccugggccuauccuagaa.....	139	0	GDM
.....gccccugggccuauccuagaC.....	6	1	GDM
.....gccccugggccuaCccuagaa.....	3	1	GDM
.....gccccugggccuauccuagaa.....	139	0	GDM
.....Cccccugggccuauccuagaa.....	1	1	GDM
.....gccccugggccuauccuagaU.....	52	1	GDM
.....gUcccugggccuauccuagaa.....	1	1	GDM
.....gccccugggccuauccuagaU.....	52	1	GDM
.....gccccugggccuGuccuagaa.....	1	1	GDM
.....gccccugggccuauccuagaa.....	139	0	GDM
.....gccccugggccuauccuagaU.....	52	1	GDM
.....gccccugggccuauccuagaC.....	6	1	GDM
.....gccccugggccuauccuagaaU.....	752	1	GDM
.....gccccugggccuauccuagaCc.....	12	1	GDM
.....gccccugggccuauccuagaCc.....	12	1	GDM
.....gccccugggccuauccuaAaac.....	1	1	GDM
.....gccccugggccuauccuagaaG.....	2	1	GDM
.....gccccugggccuauccuagaac.....	52	0	GDM
.....gccccugggccuauccuagaaA.....	57	1	GDM
.....gccccugggccuauccuagaaG.....	2	1	GDM
.....gccccugggccuauccuagaaA.....	57	1	GDM
.....gccccugggccuauccuagaaA.....	57	1	GDM
.....gccccugggccuauccuagaac.....	52	0	GDM
.....gccccugggccuauccuagaCc.....	12	1	GDM
.....gccccugggccuauccuagaaU.....	752	1	GDM
.....gccccugggccuauccuagaaU.....	752	1	GDM
.....gccccugggccuauccuagaac.....	52	0	GDM
.....gccccugggccuauccuagaacU.....	2	1	GDM
.....gccccugggccuauccuagaaAc.....	4	1	GDM
.....gccccugggccuauccuagaaAc.....	4	1	GDM
.....gccccugggccuauccuagaacU.....	2	1	GDM
.....ccccugggccuauccuagaa.....	3	0	GDM
.....ccccugggccuauccuagaaU.....	4	1	GDM
.....ccccugggccuauccuagaaU.....	4	1	GDM
.....ccccugggccuauccuagaCc.....	1	1	GDM
.....ccccugggccuauUcuagaac.....	1	1	GDM
.....ccccugggccuauccuagaacU.....	2	1	GDM
.....uucuagguaugguccccagggauU.....	1	1	Z1_
.....uucuagguaugguccccagggauA.....	2	1	Z1_
.....Gucuagguaugguccccagggauc.....	1	1	Z1_

hsa-miR-331-3p

hsa-miR-331-5p

gaguuuggguuuguuuggguuuguucuagguauggucccagggauccccagaucaaaccaggccccugggccuauccuagaaccaaccuaagcuc

.....uucuagguauggucccagggauc.....	4	0	Z1_
.....ucuagguauggucccagggau.....	1	0	Z1_
.....Acuagguauggucccagggauc.....	1	1	Z1_
.....uAuagguauggucccagggauc.....	1	1	Z1_
.....ucuagguauggucccagggauA.....	2	1	Z1_
.....ucuagguauggucccagggauc.....	20	0	Z1_
.....cuagguauggucccaggga.....	1	0	Z1_
.....cuagguauggucccagggaC.....	2	1	Z1_
.....cuagguauggucccagggau.....	7	0	Z1_
.....cuagguauggucccagggauA.....	4	1	Z1_
.....cuagguauggucccagggauc.....	24	0	Z1_
.....cuagguauggucccagggauU.....	16	1	Z1_
.....uagguauggucccagggauU.....	1	1	Z1_
.....Cgccccugggccuauccuagaa.....	1	1	Z1_
.....gccccugggccuauccua.....	1	0	Z1_
.....gccccugggccuauccuag.....	21	0	Z1_
.....gccccugggccuauccuaU.....	2	1	Z1_
.....gccccugggUcuauccuaga.....	3	1	Z1_
.....gccccugggccuaAccuaga.....	1	1	Z1_
.....gccccugggccuauGcuaga.....	1	1	Z1_
.....gccccugggccuauccCaga.....	1	1	Z1_
.....gccccugggcUuauccuaga.....	1	1	Z1_
.....gccccugggccuauccuaga.....	224	0	Z1_
.....gccccCgggccuauccuaga.....	1	1	Z1_
.....gccccugggccuauccuagU.....	3	1	Z1_
.....gcUccugggccuauccuaga.....	1	1	Z1_
.....gccccugggccuaCccuaga.....	3	1	Z1_
.....Accccugggccuauccuaga.....	1	1	Z1_
.....gcAccugggccuauccuaga.....	1	1	Z1_
.....gccccugggccuauccuagG.....	2	1	Z1_
.....gccccugggccCauccuagaa.....	2	1	Z1_
.....gccccugggccuauccuagaU.....	23	1	Z1_
.....gccccugggccuauccuagaG.....	1	1	Z1_
.....gccccugggccuaAccuagaa.....	1	1	Z1_
.....gccccugggccuauccuagaa.....	40	0	Z1_
.....gccccugggccuauccuagaC.....	1	1	Z1_
.....gccccugggccuauccuagGa.....	2	1	Z1_
.....gccccuggAccuauccuagaa.....	1	1	Z1_
.....gccccugggccuauccuagaaA.....	23	1	Z1_
.....gcAccugggccuauccuagaac.....	1	1	Z1_
.....gccccugggccuauccuagaac.....	34	0	Z1_
.....gGcccugggccuauccuagaac.....	1	1	Z1_
.....gccccugggccuauccuagaCc.....	3	1	Z1_
.....gccccugggccuauccuagaaU.....	577	1	Z1_
.....gccccugggccuauccuagaacU.....	1	1	Z1_
.....gccccugggccuauccuagaaAc.....	1	1	Z1_
.....ccccugggccuauccuagaa.....	1	0	Z1_
.....ccccugggccuauccuagaaU.....	2	1	Z1_