osa-miR1319a, Number of SNPs:2

>11100702154, Relative Position:14, Ref allele:T

>>Mutated allele: C

AACCGGCAUCUGUAAUAUAUUAUA

|||||||||||||\*||||||||||

AACCGGCAUCUGUGAUAUAUUAUA

>11100702158, Relative Position:10, Ref allele:G

>>Mutated allele: T

AACCGGCAUCUGUAAUAUAUUAUA

|||||||||\*||||||||||||||

AACCGGCAUAUGUAAUAUAUUAUA

osa-miR1319b, Number of SNPs:2

>10323399930, Relative Position:7, Ref allele:A

>>Mutated allele: C

CCUUUAAUAUAUUAUAGGUGUCGG

||||||\*|||||||||||||||||

CCUUUACUAUAUUAUAGGUGUCGG

>>Mutated allele: G

CCUUUAAUAUAUUAUAGGUGUCGG

||||||\*|||||||||||||||||

CCUUUAGUAUAUUAUAGGUGUCGG

>10323399945, Relative Position:22, Ref allele:C

>>Mutated allele: T

CCUUUAAUAUAUUAUAGGUGUCGG

|||||||||||||||||||||\*||

CCUUUAAUAUAUUAUAGGUGUUGG

osa-miR1423-3p, Number of SNPs:1

>10419715218, Relative Position:8, Ref allele:A

>>Mutated allele: G

AGCGCCCAAGCGGUAGUUGUC

|||||||\*|||||||||||||

AGCGCCCGAGCGGUAGUUGUC

osa-miR1428b, Number of SNPs:1

>10125390454, Relative Position:21, Ref allele:G

>>Mutated allele: A

UAAGAUAAUGCCAUGAAUUCG

||||||||||||||||||||\*

UAAGAUAAUGCCAUGAAUUCA

osa-miR1428d, Number of SNPs:2

>10323077374, Relative Position:19, Ref allele:T

>>Mutated allele: C

UAAGAUAAUGCCAUGAAUUCG

||||||||||||||||||\*||

UAAGAUAAUGCCAUGAAUCCG

>10323077376, Relative Position:21, Ref allele:G

>>Mutated allele: A

UAAGAUAAUGCCAUGAAUUCG

||||||||||||||||||||\*

UAAGAUAAUGCCAUGAAUUCA

osa-miR1428e-5p, Number of SNPs:1

>10323076890, Relative Position:11, Ref allele:C

>>Mutated allele: T

AAUUCACAGGCCCUAUCUUGUG

||||||||||\*|||||||||||

AAUUCACAGGUCCUAUCUUGUG

osa-miR1428f-5p, Number of SNPs:2

>10705451412, Relative Position:17, Ref allele:G

>>Mutated allele: T

AAUUCACAGGCCCUAUCUUGUG

||||||||||||||||\*|||||

AAUUCACAGGCCCUAUAUUGUG

>10705451420, Relative Position:9, Ref allele:C

>>Mutated allele: T

AAUUCACAGGCCCUAUCUUGUG

||||||||\*|||||||||||||

AAUUCACAAGCCCUAUCUUGUG

osa-miR1428g-5p, Number of SNPs:1

>11003961385, Relative Position:7, Ref allele:C

>>Mutated allele: T

AAUUCACAGGCCCUAUCUUGUG

||||||\*|||||||||||||||

AAUUCAUAGGCCCUAUCUUGUG

osa-miR1429-3p, Number of SNPs:3

>10802036961, Relative Position:14, Ref allele:C

>>Mutated allele: T

GUUGCACGGGUUUGUAUGUUG

|||||||||||||\*|||||||

GUUGCACGGGUUUAUAUGUUG

>10802036965, Relative Position:10, Ref allele:C

>>Mutated allele: T

GUUGCACGGGUUUGUAUGUUG

|||||||||\*|||||||||||

GUUGCACGGAUUUGUAUGUUG

>10802036970, Relative Position:5, Ref allele:G

>>Mutated allele: A

GUUGCACGGGUUUGUAUGUUG

||||\*||||||||||||||||

GUUGUACGGGUUUGUAUGUUG

osa-miR1429-5p, Number of SNPs:1

>10802037064, Relative Position:9, Ref allele:G

>>Mutated allele: A

GUAAUAUACUAAUCCGUGCAU

||||||||\*||||||||||||

GUAAUAUAUUAAUCCGUGCAU

>>Mutated allele: T

GUAAUAUACUAAUCCGUGCAU

||||||||\*||||||||||||

GUAAUAUAAUAAUCCGUGCAU

osa-miR1430, Number of SNPs:2

>11206825028, Relative Position:18, Ref allele:A

>>Mutated allele: G

UGGUGAGCCUUCCUGGCUAAG

|||||||||||||||||\*|||

UGGUGAGCCUUCCUGGCCAAG

>11206825033, Relative Position:13, Ref allele:G

>>Mutated allele: T

UGGUGAGCCUUCCUGGCUAAG

||||||||||||\*||||||||

UGGUGAGCCUUCAUGGCUAAG

>>Mutated allele: A

UGGUGAGCCUUCCUGGCUAAG

||||||||||||\*||||||||

UGGUGAGCCUUCUUGGCUAAG

osa-miR1436, Number of SNPs:4

>10120316613, Relative Position:14, Ref allele:C

>>Mutated allele: A

ACAUUAUGGGACGGAGGGAGU

|||||||||||||\*|||||||

ACAUUAUGGGACGUAGGGAGU

>10120316614, Relative Position:13, Ref allele:C

>>Mutated allele: T

ACAUUAUGGGACGGAGGGAGU

||||||||||||\*||||||||

ACAUUAUGGGACAGAGGGAGU

>10120316615, Relative Position:12, Ref allele:G

>>Mutated allele: A

ACAUUAUGGGACGGAGGGAGU

|||||||||||\*|||||||||

ACAUUAUGGGAUGGAGGGAGU

>10120316625, Relative Position:2, Ref allele:G

>>Mutated allele: A

ACAUUAUGGGACGGAGGGAGU

|\*|||||||||||||||||||

AUAUUAUGGGACGGAGGGAGU

osa-miR1437a, Number of SNPs:2

>10803956060, Relative Position:13, Ref allele:C

>>Mutated allele: A

UCCGGCGCCGCACUAGGCACUG

||||||||||||\*|||||||||

UCCGGCGCCGCAAUAGGCACUG

>10803956068, Relative Position:21, Ref allele:T

>>Mutated allele: C

UCCGGCGCCGCACUAGGCACUG

||||||||||||||||||||\*|

UCCGGCGCCGCACUAGGCACCG

osa-miR1437b-5p, Number of SNPs:2

>10803956060, Relative Position:19, Ref allele:C

>>Mutated allele: A

GGGAGGAAACAGUGCCUAGUG

||||||||||||||||||\*||

GGGAGGAAACAGUGCCUAUUG

>10803956068, Relative Position:11, Ref allele:T

>>Mutated allele: C

GGGAGGAAACAGUGCCUAGUG

||||||||||\*||||||||||

GGGAGGAAACGGUGCCUAGUG

osa-miR1439, Number of SNPs:3

>11210074246, Relative Position:7, Ref allele:A

>>Mutated allele: G

UUUUGGAACGGAGUGAGUAUU

||||||\*||||||||||||||

UUUUGGGACGGAGUGAGUAUU

>11210074257, Relative Position:18, Ref allele:T

>>Mutated allele: G

UUUUGGAACGGAGUGAGUAUU

|||||||||||||||||\*|||

UUUUGGAACGGAGUGAGGAUU

>11210074258, Relative Position:19, Ref allele:A

>>Mutated allele: T

UUUUGGAACGGAGUGAGUAUU

||||||||||||||||||\*||

UUUUGGAACGGAGUGAGUUUU

osa-miR1440a, Number of SNPs:1

>10905980666, Relative Position:20, Ref allele:A

>>Mutated allele: G

UGCUCAAAUACCACUCUCCU

|||||||||||||||||||\*

UGCUCAAAUACCACUCUCCC

osa-miR1440b, Number of SNPs:1

>10905980666, Relative Position:4, Ref allele:A

>>Mutated allele: G

UUUAGGAGAGUGGUAUUUGAG

|||\*|||||||||||||||||

UUUGGGAGAGUGGUAUUUGAG

osa-miR1441, Number of SNPs:5

>11219485767, Relative Position:15, Ref allele:T

>>Mutated allele: C

ACCGGAUGUCGGAAAAGGUUU

||||||||||||||\*||||||

ACCGGAUGUCGGAAGAGGUUU

>>Mutated allele: G

ACCGGAUGUCGGAAAAGGUUU

||||||||||||||\*||||||

ACCGGAUGUCGGAACAGGUUU

>11219485768, Relative Position:14, Ref allele:T

>>Mutated allele: A

ACCGGAUGUCGGAAAAGGUUU

|||||||||||||\*|||||||

ACCGGAUGUCGGAUAAGGUUU

>11219485771, Relative Position:11, Ref allele:C

>>Mutated allele: T

ACCGGAUGUCGGAAAAGGUUU

||||||||||\*||||||||||

ACCGGAUGUCAGAAAAGGUUU

>11219485777, Relative Position:5, Ref allele:C

>>Mutated allele: T

ACCGGAUGUCGGAAAAGGUUU

||||\*||||||||||||||||

ACCGAAUGUCGGAAAAGGUUU

>11219485779, Relative Position:3, Ref allele:G

>>Mutated allele: A

ACCGGAUGUCGGAAAAGGUUU

||\*||||||||||||||||||

ACUGGAUGUCGGAAAAGGUUU

osa-miR156b-5p, Number of SNPs:2

>10104666393, Relative Position:11, Ref allele:G

>>Mutated allele: C

UGACAGAAGAGAGUGAGCAC

||||||||||\*|||||||||

UGACAGAAGACAGUGAGCAC

>10104666395, Relative Position:13, Ref allele:G

>>Mutated allele: A

UGACAGAAGAGAGUGAGCAC

||||||||||||\*|||||||

UGACAGAAGAGAAUGAGCAC

osa-miR156l-5p, Number of SNPs:1

>10505230623, Relative Position:5, Ref allele:A

>>Mutated allele: G

CGACAGAAGAGAGUGAGCAUA

||||\*||||||||||||||||

CGACGGAAGAGAGUGAGCAUA

osa-miR159f, Number of SNPs:2

>10106693283, Relative Position:15, Ref allele:A

>>Mutated allele: C

CUUGGAUUGAAGGGAGCUCUA

||||||||||||||\*||||||

CUUGGAUUGAAGGGCGCUCUA

>10106693289, Relative Position:21, Ref allele:A

>>Mutated allele: C

CUUGGAUUGAAGGGAGCUCUA

||||||||||||||||||||\*

CUUGGAUUGAAGGGAGCUCUC

osa-miR160f-3p, Number of SNPs:1

>10824396973, Relative Position:21, Ref allele:G

>>Mutated allele: T

GCAUUGAGGGAGUCAUGCAGG

||||||||||||||||||||\*

GCAUUGAGGGAGUCAUGCAGU

osa-miR162b, Number of SNPs:1

>10424406022, Relative Position:21, Ref allele:G

>>Mutated allele: T

UCGAUAAGCCUCUGCAUCCAG

||||||||||||||||||||\*

UCGAUAAGCCUCUGCAUCCAU

osa-miR164f, Number of SNPs:1

>10523343944, Relative Position:14, Ref allele:C

>>Mutated allele: T

UGGAGAAGCAGGGCACGUGCA

|||||||||||||\*|||||||

UGGAGAAGCAGGGUACGUGCA

osa-miR166e-3p, Number of SNPs:1

>10300765834, Relative Position:4, Ref allele:A

>>Mutated allele: G

UCGAACCAGGCUUCAUUCCCC

|||\*|||||||||||||||||

UCGGACCAGGCUUCAUUCCCC

osa-miR166e-5p, Number of SNPs:1

>10300765744, Relative Position:10, Ref allele:T

>>Mutated allele: C

GGAAUGUUGUCUGGUUCAAGG

|||||||||\*|||||||||||

GGAAUGUUGCCUGGUUCAAGG

osa-miR166i-3p, Number of SNPs:1

>10325295068, Relative Position:2, Ref allele:C

>>Mutated allele: T

UCGGAUCAGGCUUCAUUCCUC

|\*|||||||||||||||||||

UUGGAUCAGGCUUCAUUCCUC

osa-miR166m, Number of SNPs:1

>10823045518, Relative Position:17, Ref allele:T

>>Mutated allele: C

UCGGACCAGGCUUCAUUCCCU

||||||||||||||||\*||||

UCGGACCAGGCUUCAUCCCCU

osa-miR167e-5p, Number of SNPs:1

>10203742499, Relative Position:5, Ref allele:C

>>Mutated allele: T

UGAAGCUGCCAGCAUGAUCUG

||||\*||||||||||||||||

UGAAACUGCCAGCAUGAUCUG

osa-miR169f.1, Number of SNPs:1

>10218558462, Relative Position:20, Ref allele:A

>>Mutated allele: G

UAGCCAAGGAUGACUUGCCUA

|||||||||||||||||||\*|

UAGCCAAGGAUGACUUGCCCA

osa-miR171f-3p, Number of SNPs:1

>10330027879, Relative Position:10, Ref allele:C

>>Mutated allele: T

UGAUUGAGCCGUGCCAAUAUC

|||||||||\*|||||||||||

UGAUUGAGCUGUGCCAAUAUC

osa-miR171g, Number of SNPs:1

>10715636765, Relative Position:10, Ref allele:G

>>Mutated allele: C

GAGGUGAGCCGAGCCAAUAUC

|||||||||\*|||||||||||

GAGGUGAGCGGAGCCAAUAUC

osa-miR171i-5p, Number of SNPs:1

>10321191620, Relative Position:11, Ref allele:G

>>Mutated allele: T

AGGUAUUGGCGUGCCUCAAUC

||||||||||\*||||||||||

AGGUAUUGGCUUGCCUCAAUC

osa-miR172c, Number of SNPs:3

>10713111497, Relative Position:19, Ref allele:G

>>Mutated allele: A

UGAAUCUUGAUGAUGCUGCAC

||||||||||||||||||\*||

UGAAUCUUGAUGAUGCUGUAC

>10713111498, Relative Position:18, Ref allele:C

>>Mutated allele: T

UGAAUCUUGAUGAUGCUGCAC

|||||||||||||||||\*|||

UGAAUCUUGAUGAUGCUACAC

>10713111510, Relative Position:6, Ref allele:G

>>Mutated allele: A

UGAAUCUUGAUGAUGCUGCAC

|||||\*|||||||||||||||

UGAAUUUUGAUGAUGCUGCAC

osa-miR1846a-3p, Number of SNPs:1

>11000529353, Relative Position:19, Ref allele:C

>>Mutated allele: T

UGACCCCGUUCUCCUCGCCGG

||||||||||||||||||\*||

UGACCCCGUUCUCCUCGCUGG

osa-miR1846a-5p, Number of SNPs:4

>11000529317, Relative Position:12, Ref allele:C

>>Mutated allele: T

AGUGAGGAGGCCGGGGCCGCU

|||||||||||\*|||||||||

AGUGAGGAGGCUGGGGCCGCU

>11000529318, Relative Position:13, Ref allele:G

>>Mutated allele: T

AGUGAGGAGGCCGGGGCCGCU

||||||||||||\*||||||||

AGUGAGGAGGCCUGGGCCGCU

>11000529319, Relative Position:14, Ref allele:G

>>Mutated allele: T

AGUGAGGAGGCCGGGGCCGCU

|||||||||||||\*|||||||

AGUGAGGAGGCCGUGGCCGCU

>11000529326, Relative Position:21, Ref allele:T

>>Mutated allele: C

AGUGAGGAGGCCGGGGCCGCU

||||||||||||||||||||\*

AGUGAGGAGGCCGGGGCCGCC

osa-miR1846b-3p, Number of SNPs:1

>11127715854, Relative Position:19, Ref allele:G

>>Mutated allele: A

UGACCCCGUUCUCCUCGCCGG

||||||||||||||||||\*||

UGACCCCGUUCUCCUCGCUGG

osa-miR1846b-5p, Number of SNPs:1

>11127715894, Relative Position:8, Ref allele:T

>>Mutated allele: A

AGUGAGGAGGCCGGGGCCGCU

|||||||\*|||||||||||||

AGUGAGGUGGCCGGGGCCGCU

osa-miR1846c-3p, Number of SNPs:2

>11200270840, Relative Position:13, Ref allele:G

>>Mutated allele: C

UGACCCCGGUCUGCUCGCUGG

||||||||||||\*||||||||

UGACCCCGGUCUCCUCGCUGG

>11200270846, Relative Position:19, Ref allele:T

>>Mutated allele: C

UGACCCCGGUCUGCUCGCUGG

||||||||||||||||||\*||

UGACCCCGGUCUGCUCGCCGG

osa-miR1846c-5p, Number of SNPs:4

>11200270799, Relative Position:1, Ref allele:A

>>Mutated allele: T

AGUGAGGAGGCCGGGGCCGCU

\*||||||||||||||||||||

UGUGAGGAGGCCGGGGCCGCU

>11200270800, Relative Position:2, Ref allele:G

>>Mutated allele: A

AGUGAGGAGGCCGGGGCCGCU

|\*|||||||||||||||||||

AAUGAGGAGGCCGGGGCCGCU

>11200270809, Relative Position:11, Ref allele:C

>>Mutated allele: T

AGUGAGGAGGCCGGGGCCGCU

||||||||||\*||||||||||

AGUGAGGAGGUCGGGGCCGCU

>11200270812, Relative Position:14, Ref allele:G

>>Mutated allele: A

AGUGAGGAGGCCGGGGCCGCU

|||||||||||||\*|||||||

AGUGAGGAGGCCGAGGCCGCU

osa-miR1847.2, Number of SNPs:2

>10120332947, Relative Position:11, Ref allele:G

>>Mutated allele: A

UGGCCCACAUGUUAGUGCCACAAC

||||||||||\*|||||||||||||

UGGCCCACAUAUUAGUGCCACAAC

>10120332948, Relative Position:12, Ref allele:T

>>Mutated allele: G

UGGCCCACAUGUUAGUGCCACAAC

|||||||||||\*||||||||||||

UGGCCCACAUGGUAGUGCCACAAC

osa-miR1848, Number of SNPs:3

>10418131824, Relative Position:8, Ref allele:G

>>Mutated allele: A

CCUCGCCGGCGCGCGCGUGCA

|||||||\*|||||||||||||

CCUCGCCAGCGCGCGCGUGCA

>10418131828, Relative Position:12, Ref allele:C

>>Mutated allele: T

CCUCGCCGGCGCGCGCGUGCA

|||||||||||\*|||||||||

CCUCGCCGGCGUGCGCGUGCA

>10418131837, Relative Position:21, Ref allele:A

>>Mutated allele: G

CCUCGCCGGCGCGCGCGUGCA

||||||||||||||||||||\*

CCUCGCCGGCGCGCGCGUGCG

osa-miR1849, Number of SNPs:1

>10422224882, Relative Position:5, Ref allele:G

>>Mutated allele: A

UAUCGUAUCCUAGGUUGGUUU

||||\*||||||||||||||||

UAUCAUAUCCUAGGUUGGUUU

osa-miR1850.2, Number of SNPs:4

>10526275280, Relative Position:18, Ref allele:C

>>Mutated allele: T

UUGUGUGUGAACUAAACGUGG

|||||||||||||||||\*|||

UUGUGUGUGAACUAAACAUGG

>10526275282, Relative Position:16, Ref allele:T

>>Mutated allele: A

UUGUGUGUGAACUAAACGUGG

|||||||||||||||\*|||||

UUGUGUGUGAACUAAUCGUGG

>>Mutated allele: G

UUGUGUGUGAACUAAACGUGG

|||||||||||||||\*|||||

UUGUGUGUGAACUAACCGUGG

>10526275294, Relative Position:4, Ref allele:A

>>Mutated allele: C

UUGUGUGUGAACUAAACGUGG

|||\*|||||||||||||||||

UUGGGUGUGAACUAAACGUGG

>10526275295, Relative Position:3, Ref allele:C

>>Mutated allele: A

UUGUGUGUGAACUAAACGUGG

||\*||||||||||||||||||

UUUUGUGUGAACUAAACGUGG

osa-miR1850.3, Number of SNPs:1

>10526275264, Relative Position:4, Ref allele:A

>>Mutated allele: T

CUGUUUAGUUCACAUCAAUCUU

|||\*||||||||||||||||||

CUGAUUAGUUCACAUCAAUCUU

osa-miR1851, Number of SNPs:2

>10526049754, Relative Position:2, Ref allele:G

>>Mutated allele: A

CGUCUGGGAUGGCAUUUUGGC

|\*|||||||||||||||||||

CAUCUGGGAUGGCAUUUUGGC

>10526049758, Relative Position:6, Ref allele:G

>>Mutated allele: C

CGUCUGGGAUGGCAUUUUGGC

|||||\*|||||||||||||||

CGUCUCGGAUGGCAUUUUGGC

osa-miR1854-3p, Number of SNPs:1

>10807858390, Relative Position:6, Ref allele:A

>>Mutated allele: G

UCCAAUUUGGGGAUUUGCUGAU

|||||\*||||||||||||||||

UCCAACUUGGGGAUUUGCUGAU

osa-miR1855, Number of SNPs:2

>11121709053, Relative Position:4, Ref allele:A

>>Mutated allele: G

AGCACUGGAGUAGCCAAGAGA

|||\*|||||||||||||||||

AGCGCUGGAGUAGCCAAGAGA

>11121709054, Relative Position:5, Ref allele:C

>>Mutated allele: T

AGCACUGGAGUAGCCAAGAGA

||||\*||||||||||||||||

AGCAUUGGAGUAGCCAAGAGA

osa-miR1856, Number of SNPs:5

>11110376268, Relative Position:19, Ref allele:C

>>Mutated allele: T

UAUGCGUAAGACGGAUUCGUA

||||||||||||||||||\*||

UAUGCGUAAGACGGAUUCAUA

>>Mutated allele: A

UAUGCGUAAGACGGAUUCGUA

||||||||||||||||||\*||

UAUGCGUAAGACGGAUUCUUA

>11110376271, Relative Position:16, Ref allele:A

>>Mutated allele: T

UAUGCGUAAGACGGAUUCGUA

|||||||||||||||\*|||||

UAUGCGUAAGACGGAAUCGUA

>>Mutated allele: C

UAUGCGUAAGACGGAUUCGUA

|||||||||||||||\*|||||

UAUGCGUAAGACGGAGUCGUA

>11110376275, Relative Position:12, Ref allele:G

>>Mutated allele: A

UAUGCGUAAGACGGAUUCGUA

|||||||||||\*|||||||||

UAUGCGUAAGAUGGAUUCGUA

>11110376282, Relative Position:5, Ref allele:G

>>Mutated allele: A

UAUGCGUAAGACGGAUUCGUA

||||\*||||||||||||||||

UAUGUGUAAGACGGAUUCGUA

>11110376283, Relative Position:4, Ref allele:C

>>Mutated allele: T

UAUGCGUAAGACGGAUUCGUA

|||\*|||||||||||||||||

UAUACGUAAGACGGAUUCGUA

osa-miR1858b, Number of SNPs:1

>10913194086, Relative Position:5, Ref allele:G

>>Mutated allele: A

GAGAGGAGGACGGAGUGGGGC

||||\*||||||||||||||||

GAGAAGAGGACGGAGUGGGGC

osa-miR1860-5p, Number of SNPs:4

>10100934513, Relative Position:18, Ref allele:T

>>Mutated allele: C

AGAAAACCAGCUUCCAGAUCU

|||||||||||||||||\*|||

AGAAAACCAGCUUCCAGGUCU

>>Mutated allele: G

AGAAAACCAGCUUCCAGAUCU

|||||||||||||||||\*|||

AGAAAACCAGCUUCCAGCUCU

>10100934514, Relative Position:17, Ref allele:C

>>Mutated allele: A

AGAAAACCAGCUUCCAGAUCU

||||||||||||||||\*||||

AGAAAACCAGCUUCCAUAUCU

>10100934517, Relative Position:14, Ref allele:G

>>Mutated allele: A

AGAAAACCAGCUUCCAGAUCU

|||||||||||||\*|||||||

AGAAAACCAGCUUUCAGAUCU

>10100934524, Relative Position:7, Ref allele:G

>>Mutated allele: A

AGAAAACCAGCUUCCAGAUCU

||||||\*||||||||||||||

AGAAAAUCAGCUUCCAGAUCU

osa-miR1861a, Number of SNPs:2

>10115049794, Relative Position:1, Ref allele:T

>>Mutated allele: C

UGAUCUUGAGGCAGAAACUGAG

\*|||||||||||||||||||||

CGAUCUUGAGGCAGAAACUGAG

>10115049795, Relative Position:2, Ref allele:G

>>Mutated allele: A

UGAUCUUGAGGCAGAAACUGAG

|\*||||||||||||||||||||

UAAUCUUGAGGCAGAAACUGAG

osa-miR1861b, Number of SNPs:3

>10220715980, Relative Position:2, Ref allele:G

>>Mutated allele: A

CGAUCUUGAGGCAGGAACUGAG

|\*||||||||||||||||||||

CAAUCUUGAGGCAGGAACUGAG

>10220715988, Relative Position:10, Ref allele:G

>>Mutated allele: C

CGAUCUUGAGGCAGGAACUGAG

|||||||||\*||||||||||||

CGAUCUUGACGCAGGAACUGAG

>10220715992, Relative Position:14, Ref allele:G

>>Mutated allele: A

CGAUCUUGAGGCAGGAACUGAG

|||||||||||||\*||||||||

CGAUCUUGAGGCAAGAACUGAG

osa-miR1861c, Number of SNPs:6

>10220716197, Relative Position:2, Ref allele:G

>>Mutated allele: A

CGAUCUUGUAGCAAGAACUGAG

|\*||||||||||||||||||||

CAAUCUUGUAGCAAGAACUGAG

>10220716198, Relative Position:3, Ref allele:A

>>Mutated allele: T

CGAUCUUGUAGCAAGAACUGAG

||\*|||||||||||||||||||

CGUUCUUGUAGCAAGAACUGAG

>10220716205, Relative Position:10, Ref allele:A

>>Mutated allele: G

CGAUCUUGUAGCAAGAACUGAG

|||||||||\*||||||||||||

CGAUCUUGUGGCAAGAACUGAG

>10220716207, Relative Position:12, Ref allele:C

>>Mutated allele: G

CGAUCUUGUAGCAAGAACUGAG

|||||||||||\*||||||||||

CGAUCUUGUAGGAAGAACUGAG

>10220716210, Relative Position:15, Ref allele:G

>>Mutated allele: A

CGAUCUUGUAGCAAGAACUGAG

||||||||||||||\*|||||||

CGAUCUUGUAGCAAAAACUGAG

>10220716213, Relative Position:18, Ref allele:C

>>Mutated allele: T

CGAUCUUGUAGCAAGAACUGAG

|||||||||||||||||\*||||

CGAUCUUGUAGCAAGAAUUGAG

osa-miR1861d, Number of SNPs:7

>10406536354, Relative Position:1, Ref allele:T

>>Mutated allele: C

UGGUCUUGAGGCAGGAACUGAG

\*|||||||||||||||||||||

CGGUCUUGAGGCAGGAACUGAG

>10406536355, Relative Position:2, Ref allele:G

>>Mutated allele: A

UGGUCUUGAGGCAGGAACUGAG

|\*||||||||||||||||||||

UAGUCUUGAGGCAGGAACUGAG

>10406536356, Relative Position:3, Ref allele:G

>>Mutated allele: T

UGGUCUUGAGGCAGGAACUGAG

||\*|||||||||||||||||||

UGUUCUUGAGGCAGGAACUGAG

>10406536360, Relative Position:7, Ref allele:T

>>Mutated allele: A

UGGUCUUGAGGCAGGAACUGAG

||||||\*|||||||||||||||

UGGUCUAGAGGCAGGAACUGAG

>10406536365, Relative Position:12, Ref allele:C

>>Mutated allele: T

UGGUCUUGAGGCAGGAACUGAG

|||||||||||\*||||||||||

UGGUCUUGAGGUAGGAACUGAG

>10406536371, Relative Position:18, Ref allele:C

>>Mutated allele: T

UGGUCUUGAGGCAGGAACUGAG

|||||||||||||||||\*||||

UGGUCUUGAGGCAGGAAUUGAG

>10406536375, Relative Position:22, Ref allele:G

>>Mutated allele: A

UGGUCUUGAGGCAGGAACUGAG

|||||||||||||||||||||\*

UGGUCUUGAGGCAGGAACUGAA

osa-miR1861e, Number of SNPs:2

>10406536571, Relative Position:1, Ref allele:C

>>Mutated allele: T

CGGUCUUGUGGCAAGAACUGAG

\*|||||||||||||||||||||

UGGUCUUGUGGCAAGAACUGAG

>10406536584, Relative Position:14, Ref allele:A

>>Mutated allele: G

CGGUCUUGUGGCAAGAACUGAG

|||||||||||||\*||||||||

CGGUCUUGUGGCAGGAACUGAG

osa-miR1861f, Number of SNPs:2

>10518668420, Relative Position:7, Ref allele:T

>>Mutated allele: A

CGAUCUUGAGGCAGGAACUGAG

||||||\*|||||||||||||||

CGAUCUAGAGGCAGGAACUGAG

>10518668425, Relative Position:12, Ref allele:C

>>Mutated allele: T

CGAUCUUGAGGCAGGAACUGAG

|||||||||||\*||||||||||

CGAUCUUGAGGUAGGAACUGAG

osa-miR1861g, Number of SNPs:2

>10518668633, Relative Position:1, Ref allele:C

>>Mutated allele: T

CAGUCUUGUGGCAAGAACUGAG

\*|||||||||||||||||||||

UAGUCUUGUGGCAAGAACUGAG

>10518668652, Relative Position:20, Ref allele:G

>>Mutated allele: A

CAGUCUUGUGGCAAGAACUGAG

|||||||||||||||||||\*||

CAGUCUUGUGGCAAGAACUAAG

osa-miR1861h, Number of SNPs:5

>10627238264, Relative Position:20, Ref allele:C

>>Mutated allele: T

CGGUCUUGAGGCAGGAACUGAG

|||||||||||||||||||\*||

CGGUCUUGAGGCAGGAACUAAG

>10627238270, Relative Position:14, Ref allele:C

>>Mutated allele: T

CGGUCUUGAGGCAGGAACUGAG

|||||||||||||\*||||||||

CGGUCUUGAGGCAAGAACUGAG

>>Mutated allele: G

CGGUCUUGAGGCAGGAACUGAG

|||||||||||||\*||||||||

CGGUCUUGAGGCACGAACUGAG

>10627238279, Relative Position:5, Ref allele:G

>>Mutated allele: A

CGGUCUUGAGGCAGGAACUGAG

||||\*|||||||||||||||||

CGGUUUUGAGGCAGGAACUGAG

>10627238281, Relative Position:3, Ref allele:C

>>Mutated allele: T

CGGUCUUGAGGCAGGAACUGAG

||\*|||||||||||||||||||

CGAUCUUGAGGCAGGAACUGAG

>>Mutated allele: A

CGGUCUUGAGGCAGGAACUGAG

||\*|||||||||||||||||||

CGUUCUUGAGGCAGGAACUGAG

>10627238282, Relative Position:2, Ref allele:C

>>Mutated allele: T

CGGUCUUGAGGCAGGAACUGAG

|\*||||||||||||||||||||

CAGUCUUGAGGCAGGAACUGAG

osa-miR1861i, Number of SNPs:5

>10614949514, Relative Position:2, Ref allele:G

>>Mutated allele: A

CGAUCUUGAGGCAGGAACUGAG

|\*||||||||||||||||||||

CAAUCUUGAGGCAGGAACUGAG

>10614949520, Relative Position:8, Ref allele:G

>>Mutated allele: A

CGAUCUUGAGGCAGGAACUGAG

|||||||\*||||||||||||||

CGAUCUUAAGGCAGGAACUGAG

>10614949521, Relative Position:9, Ref allele:A

>>Mutated allele: T

CGAUCUUGAGGCAGGAACUGAG

||||||||\*|||||||||||||

CGAUCUUGUGGCAGGAACUGAG

>10614949526, Relative Position:14, Ref allele:G

>>Mutated allele: A

CGAUCUUGAGGCAGGAACUGAG

|||||||||||||\*||||||||

CGAUCUUGAGGCAAGAACUGAG

>10614949530, Relative Position:18, Ref allele:C

>>Mutated allele: T

CGAUCUUGAGGCAGGAACUGAG

|||||||||||||||||\*||||

CGAUCUUGAGGCAGGAAUUGAG

osa-miR1861j, Number of SNPs:6

>10815132802, Relative Position:22, Ref allele:C

>>Mutated allele: T

CGGUCUUGAGGCAGGAACUGAG

|||||||||||||||||||||\*

CGGUCUUGAGGCAGGAACUGAA

>10815132804, Relative Position:20, Ref allele:C

>>Mutated allele: T

CGGUCUUGAGGCAGGAACUGAG

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CGGUCUUGAGGCAGGAACUAAG

>10815132809, Relative Position:15, Ref allele:C

>>Mutated allele: T

CGGUCUUGAGGCAGGAACUGAG

||||||||||||||\*|||||||

CGGUCUUGAGGCAGAAACUGAG

>10815132814, Relative Position:10, Ref allele:C

>>Mutated allele: T

CGGUCUUGAGGCAGGAACUGAG

|||||||||\*||||||||||||

CGGUCUUGAAGCAGGAACUGAG

>10815132821, Relative Position:3, Ref allele:C

>>Mutated allele: A

CGGUCUUGAGGCAGGAACUGAG

||\*|||||||||||||||||||

CGUUCUUGAGGCAGGAACUGAG

>10815132822, Relative Position:2, Ref allele:C

>>Mutated allele: T

CGGUCUUGAGGCAGGAACUGAG

|\*||||||||||||||||||||

CAGUCUUGAGGCAGGAACUGAG

osa-miR1861k, Number of SNPs:1

>10815132586, Relative Position:20, Ref allele:C

>>Mutated allele: T

CGGUCUUGUGGCAAGAACUGAG

|||||||||||||||||||\*||

CGGUCUUGUGGCAAGAACUAAG

osa-miR1861l, Number of SNPs:4

>10913532449, Relative Position:2, Ref allele:G

>>Mutated allele: A

CGAUCUUGAGGCAGGAACUGAG

|\*||||||||||||||||||||

CAAUCUUGAGGCAGGAACUGAG

>10913532455, Relative Position:8, Ref allele:G

>>Mutated allele: A

CGAUCUUGAGGCAGGAACUGAG

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CGAUCUUAAGGCAGGAACUGAG

>10913532456, Relative Position:9, Ref allele:A

>>Mutated allele: T

CGAUCUUGAGGCAGGAACUGAG

||||||||\*|||||||||||||

CGAUCUUGUGGCAGGAACUGAG

>10913532465, Relative Position:18, Ref allele:C

>>Mutated allele: T

CGAUCUUGAGGCAGGAACUGAG

|||||||||||||||||\*||||

CGAUCUUGAGGCAGGAAUUGAG

osa-miR1861n, Number of SNPs:5

>11216586634, Relative Position:17, Ref allele:C

>>Mutated allele: T

CGAUCUUGUGGCAGGAGCUGAG

||||||||||||||||\*|||||

CGAUCUUGUGGCAGGAACUGAG

>11216586643, Relative Position:8, Ref allele:C

>>Mutated allele: T

CGAUCUUGUGGCAGGAGCUGAG

|||||||\*||||||||||||||

CGAUCUUAUGGCAGGAGCUGAG

>11216586644, Relative Position:7, Ref allele:A

>>Mutated allele: G

CGAUCUUGUGGCAGGAGCUGAG

||||||\*|||||||||||||||

CGAUCUCGUGGCAGGAGCUGAG

>11216586649, Relative Position:2, Ref allele:C

>>Mutated allele: T

CGAUCUUGUGGCAGGAGCUGAG

|\*||||||||||||||||||||

CAAUCUUGUGGCAGGAGCUGAG

>11216586650, Relative Position:1, Ref allele:G

>>Mutated allele: A

CGAUCUUGUGGCAGGAGCUGAG

\*|||||||||||||||||||||

UGAUCUUGUGGCAGGAGCUGAG

osa-miR1862b, Number of SNPs:2

>10808341248, Relative Position:20, Ref allele:C

>>Mutated allele: T

ACGAGGUUGGUUUAUUUUGGGACG

|||||||||||||||||||\*||||

ACGAGGUUGGUUUAUUUUGAGACG

>10808341249, Relative Position:19, Ref allele:C

>>Mutated allele: T

ACGAGGUUGGUUUAUUUUGGGACG

||||||||||||||||||\*|||||

ACGAGGUUGGUUUAUUUUAGGACG

osa-miR1862c, Number of SNPs:3

>11016093940, Relative Position:2, Ref allele:C

>>Mutated allele: T

ACGAGGUUGGUUUAUUUUGGGACG

|\*||||||||||||||||||||||

AUGAGGUUGGUUUAUUUUGGGACG

>11016093947, Relative Position:9, Ref allele:G

>>Mutated allele: A

ACGAGGUUGGUUUAUUUUGGGACG

||||||||\*|||||||||||||||

ACGAGGUUAGUUUAUUUUGGGACG

>11016093962, Relative Position:24, Ref allele:G

>>Mutated allele: A

ACGAGGUUGGUUUAUUUUGGGACG

|||||||||||||||||||||||\*

ACGAGGUUGGUUUAUUUUGGGACA

osa-miR1862e, Number of SNPs:1

>11102523295, Relative Position:5, Ref allele:A

>>Mutated allele: T

CUAGAUUUGUUUAUUUUGGGACGG

||||\*|||||||||||||||||||

CUAGUUUUGUUUAUUUUGGGACGG

osa-miR1862g, Number of SNPs:3

>10420340401, Relative Position:20, Ref allele:C

>>Mutated allele: T

AUGAGGUUGGUUUAUUUUGG

|||||||||||||||||||\*

AUGAGGUUGGUUUAUUUUGA

>10420340402, Relative Position:19, Ref allele:C

>>Mutated allele: T

AUGAGGUUGGUUUAUUUUGG

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AUGAGGUUGGUUUAUUUUAG

>10420340416, Relative Position:5, Ref allele:C

>>Mutated allele: T

AUGAGGUUGGUUUAUUUUGG

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AUGAAGUUGGUUUAUUUUGG

osa-miR1863a, Number of SNPs:2

>10208522105, Relative Position:20, Ref allele:A

>>Mutated allele: G

AGCUCUGAUACCAUGUUAGAUUAG

|||||||||||||||||||\*||||

AGCUCUGAUACCAUGUUAGGUUAG

>10208522109, Relative Position:24, Ref allele:G

>>Mutated allele: A

AGCUCUGAUACCAUGUUAGAUUAG

|||||||||||||||||||||||\*

AGCUCUGAUACCAUGUUAGAUUAA

osa-miR1863c, Number of SNPs:1

>11204869470, Relative Position:6, Ref allele:A

>>Mutated allele: C

UAGAAACUUGGCUGAUGCAUUACU

|||||\*||||||||||||||||||

UAGAACCUUGGCUGAUGCAUUACU

osa-miR1865-3p, Number of SNPs:1

>10334000726, Relative Position:23, Ref allele:G

>>Mutated allele: A

CGAAGAAUCGCAGUCACUAGUUGU

||||||||||||||||||||||\*|

CGAAGAAUCGCAGUCACUAGUUAU

osa-miR1865-5p, Number of SNPs:3

>10334000607, Relative Position:4, Ref allele:T

>>Mutated allele: C

UGCUAGUGAUGGUGAUUCUUCGAC

|||\*||||||||||||||||||||

UGCCAGUGAUGGUGAUUCUUCGAC

>10334000615, Relative Position:12, Ref allele:G

>>Mutated allele: A

UGCUAGUGAUGGUGAUUCUUCGAC

|||||||||||\*||||||||||||

UGCUAGUGAUGAUGAUUCUUCGAC

>10334000627, Relative Position:24, Ref allele:C

>>Mutated allele: T

UGCUAGUGAUGGUGAUUCUUCGAC

|||||||||||||||||||||||\*

UGCUAGUGAUGGUGAUUCUUCGAU

osa-miR1866-3p, Number of SNPs:2

>10306510929, Relative Position:9, Ref allele:C

>>Mutated allele: T

UGAAAUUCCUGUAAAAUUCUUG

||||||||\*|||||||||||||

UGAAAUUCUUGUAAAAUUCUUG

>10306510940, Relative Position:20, Ref allele:T

>>Mutated allele: C

UGAAAUUCCUGUAAAAUUCUUG

|||||||||||||||||||\*||

UGAAAUUCCUGUAAAAUUCCUG

osa-miR1870-3p, Number of SNPs:1

>10621164900, Relative Position:7, Ref allele:G

>>Mutated allele: C

UUUAGGGCUAAUUCAGCAUGAACA

||||||\*|||||||||||||||||

UUUAGGCCUAAUUCAGCAUGAACA

osa-miR1871, Number of SNPs:1

>10613330557, Relative Position:13, Ref allele:T

>>Mutated allele: C

AUGGCUCUGAUAUCAUGUUGGUUU

||||||||||||\*|||||||||||

AUGGCUCUGAUACCAUGUUGGUUU

osa-miR1872, Number of SNPs:4

>10604923878, Relative Position:22, Ref allele:A

>>Mutated allele: T

GAACUGUAAGUCUGUGACGGGUAA

|||||||||||||||||||||\*||

GAACUGUAAGUCUGUGACGGGAAA

>10604923880, Relative Position:20, Ref allele:C

>>Mutated allele: T

GAACUGUAAGUCUGUGACGGGUAA

|||||||||||||||||||\*||||

GAACUGUAAGUCUGUGACGAGUAA

>10604923881, Relative Position:19, Ref allele:C

>>Mutated allele: T

GAACUGUAAGUCUGUGACGGGUAA

||||||||||||||||||\*|||||

GAACUGUAAGUCUGUGACAGGUAA

>10604923882, Relative Position:18, Ref allele:G

>>Mutated allele: A

GAACUGUAAGUCUGUGACGGGUAA

|||||||||||||||||\*||||||

GAACUGUAAGUCUGUGAUGGGUAA

osa-miR1873, Number of SNPs:1

>10712755942, Relative Position:17, Ref allele:G

>>Mutated allele: A

UCAACAUGGUAUCAGAGCUGGAAG

||||||||||||||||\*|||||||

UCAACAUGGUAUCAGAACUGGAAG

osa-miR1875, Number of SNPs:1

>10917567957, Relative Position:23, Ref allele:T

>>Mutated allele: A

ACAAUGGAGUGAAGUGCAACAGAA

||||||||||||||||||||||\*|

ACAAUGGAGUGAAGUGCAACAGUA

osa-miR1876, Number of SNPs:1

>11004833492, Relative Position:23, Ref allele:C

>>Mutated allele: T

AUAAGUGGGUUUGUGGGCUGGCCC

||||||||||||||||||||||\*|

AUAAGUGGGUUUGUGGGCUGGCUC

osa-miR1880, Number of SNPs:2

>11113959907, Relative Position:8, Ref allele:C

>>Mutated allele: T

UUCCAAGCGGGCCACUUAAGCAUU

|||||||\*||||||||||||||||

UUCCAAGUGGGCCACUUAAGCAUU

>11113959912, Relative Position:13, Ref allele:C

>>Mutated allele: T

UUCCAAGCGGGCCACUUAAGCAUU

||||||||||||\*|||||||||||

UUCCAAGCGGGCUACUUAAGCAUU

>>Mutated allele: G

UUCCAAGCGGGCCACUUAAGCAUU

||||||||||||\*|||||||||||

UUCCAAGCGGGCGACUUAAGCAUU

osa-miR1881, Number of SNPs:2

>11205725963, Relative Position:5, Ref allele:T

>>Mutated allele: G

AAUGUUAUUGUAGCGUGGUGGUGU

||||\*|||||||||||||||||||

AAUGGUAUUGUAGCGUGGUGGUGU

>11205725973, Relative Position:15, Ref allele:G

>>Mutated allele: A

AAUGUUAUUGUAGCGUGGUGGUGU

||||||||||||||\*|||||||||

AAUGUUAUUGUAGCAUGGUGGUGU

osa-miR1882a, Number of SNPs:2

>10318923980, Relative Position:14, Ref allele:C

>>Mutated allele: A

AGAUUGCUUUCAAGGUCAUUUCUU

|||||||||||||\*||||||||||

AGAUUGCUUUCAAUGUCAUUUCUU

>10318923987, Relative Position:7, Ref allele:G

>>Mutated allele: A

AGAUUGCUUUCAAGGUCAUUUCUU

||||||\*|||||||||||||||||

AGAUUGUUUUCAAGGUCAUUUCUU

osa-miR1882c, Number of SNPs:4

>10709122428, Relative Position:12, Ref allele:A

>>Mutated allele: G

AGAUUGCUUUCAAGGUCAUUUCUU

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AGAUUGCUUUCGAGGUCAUUUCUU

>10709122429, Relative Position:13, Ref allele:A

>>Mutated allele: T

AGAUUGCUUUCAAGGUCAUUUCUU

||||||||||||\*|||||||||||

AGAUUGCUUUCAUGGUCAUUUCUU

>10709122433, Relative Position:17, Ref allele:C

>>Mutated allele: T

AGAUUGCUUUCAAGGUCAUUUCUU

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AGAUUGCUUUCAAGGUUAUUUCUU

>>Mutated allele: A

AGAUUGCUUUCAAGGUCAUUUCUU

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AGAUUGCUUUCAAGGUAAUUUCUU

>10709122436, Relative Position:20, Ref allele:T

>>Mutated allele: A

AGAUUGCUUUCAAGGUCAUUUCUU

|||||||||||||||||||\*||||

AGAUUGCUUUCAAGGUCAUAUCUU

osa-miR1882d, Number of SNPs:2

>10818739447, Relative Position:11, Ref allele:G

>>Mutated allele: A

AGAUUGCUUUCAAGGUCAUUUCUU

||||||||||\*|||||||||||||

AGAUUGCUUUUAAGGUCAUUUCUU

>10818739457, Relative Position:1, Ref allele:T

>>Mutated allele: C

AGAUUGCUUUCAAGGUCAUUUCUU

\*|||||||||||||||||||||||

GGAUUGCUUUCAAGGUCAUUUCUU

osa-miR1882e-3p, Number of SNPs:4

>11010320921, Relative Position:17, Ref allele:A

>>Mutated allele: G

GAAAUGAUCUUGGACGUAAUCUAG

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GAAAUGAUCUUGGACGCAAUCUAG

>11010320923, Relative Position:15, Ref allele:G

>>Mutated allele: A

GAAAUGAUCUUGGACGUAAUCUAG

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GAAAUGAUCUUGGAUGUAAUCUAG

>11010320934, Relative Position:4, Ref allele:T

>>Mutated allele: A

GAAAUGAUCUUGGACGUAAUCUAG

|||\*||||||||||||||||||||

GAAUUGAUCUUGGACGUAAUCUAG

>11010320937, Relative Position:1, Ref allele:C

>>Mutated allele: T

GAAAUGAUCUUGGACGUAAUCUAG

\*|||||||||||||||||||||||

AAAAUGAUCUUGGACGUAAUCUAG

osa-miR1882e-5p, Number of SNPs:1

>11010321033, Relative Position:2, Ref allele:C

>>Mutated allele: T

AGAUUGCUUUCAAGGUCAUUUCUU

|\*||||||||||||||||||||||

AAAUUGCUUUCAAGGUCAUUUCUU

osa-miR1882f, Number of SNPs:2

>11111073514, Relative Position:12, Ref allele:A

>>Mutated allele: T

AGAUUGCUUUCAAGGUCAUUUCUU

|||||||||||\*||||||||||||

AGAUUGCUUUCUAGGUCAUUUCUU

>11111073524, Relative Position:22, Ref allele:C

>>Mutated allele: T

AGAUUGCUUUCAAGGUCAUUUCUU

|||||||||||||||||||||\*||

AGAUUGCUUUCAAGGUCAUUUUUU

osa-miR1882h, Number of SNPs:2

>11221511555, Relative Position:2, Ref allele:G

>>Mutated allele: T

AGAUUGCUUUCAAGGUCAUUUCUU

|\*||||||||||||||||||||||

AUAUUGCUUUCAAGGUCAUUUCUU

>>Mutated allele: A

AGAUUGCUUUCAAGGUCAUUUCUU

|\*||||||||||||||||||||||

AAAUUGCUUUCAAGGUCAUUUCUU

>11221511575, Relative Position:22, Ref allele:C

>>Mutated allele: T

AGAUUGCUUUCAAGGUCAUUUCUU

|||||||||||||||||||||\*||

AGAUUGCUUUCAAGGUCAUUUUUU

osa-miR1883a, Number of SNPs:2

>11113523544, Relative Position:4, Ref allele:T

>>Mutated allele: A

ACCUGUGACGGGCCGAGAAUGGAA

|||\*||||||||||||||||||||

ACCAGUGACGGGCCGAGAAUGGAA

>11113523550, Relative Position:10, Ref allele:G

>>Mutated allele: A

ACCUGUGACGGGCCGAGAAUGGAA

|||||||||\*||||||||||||||

ACCUGUGACAGGCCGAGAAUGGAA

osa-miR1883b, Number of SNPs:6

>11109368083, Relative Position:17, Ref allele:C

>>Mutated allele: G

ACCUGUGACGGGCCGAGAAUGGAA

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ACCUGUGACGGGCCGACAAUGGAA

>11109368085, Relative Position:15, Ref allele:C

>>Mutated allele: T

ACCUGUGACGGGCCGAGAAUGGAA

||||||||||||||\*|||||||||

ACCUGUGACGGGCCAAGAAUGGAA

>11109368086, Relative Position:14, Ref allele:G

>>Mutated allele: A

ACCUGUGACGGGCCGAGAAUGGAA

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ACCUGUGACGGGCUGAGAAUGGAA

>11109368091, Relative Position:9, Ref allele:G

>>Mutated allele: A

ACCUGUGACGGGCCGAGAAUGGAA

||||||||\*|||||||||||||||

ACCUGUGAUGGGCCGAGAAUGGAA

>11109368094, Relative Position:6, Ref allele:A

>>Mutated allele: G

ACCUGUGACGGGCCGAGAAUGGAA

|||||\*||||||||||||||||||

ACCUGCGACGGGCCGAGAAUGGAA

>11109368095, Relative Position:5, Ref allele:C

>>Mutated allele: T

ACCUGUGACGGGCCGAGAAUGGAA

||||\*|||||||||||||||||||

ACCUAUGACGGGCCGAGAAUGGAA

osa-miR2055, Number of SNPs:1

>10900431440, Relative Position:19, Ref allele:A

>>Mutated allele: G

UUUCCUUGGGAAGGUGGUUUC

||||||||||||||||||\*||

UUUCCUUGGGAAGGUGGUCUC

osa-miR2090, Number of SNPs:3

>10138764373, Relative Position:13, Ref allele:T

>>Mutated allele: C

AACUCUGAUUCUAGAAUUUUUG

||||||||||||\*|||||||||

AACUCUGAUUCUGGAAUUUUUG

>10138764375, Relative Position:11, Ref allele:G

>>Mutated allele: T

AACUCUGAUUCUAGAAUUUUUG

||||||||||\*|||||||||||

AACUCUGAUUAUAGAAUUUUUG

>10138764380, Relative Position:6, Ref allele:A

>>Mutated allele: G

AACUCUGAUUCUAGAAUUUUUG

|||||\*||||||||||||||||

AACUCCGAUUCUAGAAUUUUUG

osa-miR2092-3p, Number of SNPs:4

>11210116412, Relative Position:12, Ref allele:A

>>Mutated allele: T

ACCAGCAUUCCAUUGGCAGAGG

|||||||||||\*||||||||||

ACCAGCAUUCCUUUGGCAGAGG

>11210116414, Relative Position:14, Ref allele:T

>>Mutated allele: C

ACCAGCAUUCCAUUGGCAGAGG

|||||||||||||\*||||||||

ACCAGCAUUCCAUCGGCAGAGG

>11210116415, Relative Position:15, Ref allele:G

>>Mutated allele: T

ACCAGCAUUCCAUUGGCAGAGG

||||||||||||||\*|||||||

ACCAGCAUUCCAUUUGCAGAGG

>11210116416, Relative Position:16, Ref allele:G

>>Mutated allele: A

ACCAGCAUUCCAUUGGCAGAGG

|||||||||||||||\*||||||

ACCAGCAUUCCAUUGACAGAGG

osa-miR2092-5p, Number of SNPs:4

>11210116335, Relative Position:4, Ref allele:C

>>Mutated allele: T

CAACUGAAGUCGGUGUUUACU

|||\*|||||||||||||||||

CAAUUGAAGUCGGUGUUUACU

>11210116337, Relative Position:6, Ref allele:G

>>Mutated allele: A

CAACUGAAGUCGGUGUUUACU

|||||\*|||||||||||||||

CAACUAAAGUCGGUGUUUACU

>11210116343, Relative Position:12, Ref allele:G

>>Mutated allele: A

CAACUGAAGUCGGUGUUUACU

|||||||||||\*|||||||||

CAACUGAAGUCAGUGUUUACU

>11210116344, Relative Position:13, Ref allele:G

>>Mutated allele: A

CAACUGAAGUCGGUGUUUACU

||||||||||||\*||||||||

CAACUGAAGUCGAUGUUUACU

osa-miR2093-3p, Number of SNPs:2

>10516056037, Relative Position:17, Ref allele:C

>>Mutated allele: A

ACAUCUUCCAAUUAAUGCAU

||||||||||||||||\*|||

ACAUCUUCCAAUUAAUUCAU

>10516056048, Relative Position:6, Ref allele:A

>>Mutated allele: T

ACAUCUUCCAAUUAAUGCAU

|||||\*||||||||||||||

ACAUCAUCCAAUUAAUGCAU

osa-miR2094-3p, Number of SNPs:4

>10229779686, Relative Position:8, Ref allele:G

>>Mutated allele: A

CAGAGCUGUGGCAUCCACGUCG

|||||||\*||||||||||||||

CAGAGCUAUGGCAUCCACGUCG

>10229779687, Relative Position:9, Ref allele:T

>>Mutated allele: C

CAGAGCUGUGGCAUCCACGUCG

||||||||\*|||||||||||||

CAGAGCUGCGGCAUCCACGUCG

>10229779699, Relative Position:21, Ref allele:C

>>Mutated allele: T

CAGAGCUGUGGCAUCCACGUCG

||||||||||||||||||||\*|

CAGAGCUGUGGCAUCCACGUUG

>10229779700, Relative Position:22, Ref allele:G

>>Mutated allele: A

CAGAGCUGUGGCAUCCACGUCG

|||||||||||||||||||||\*

CAGAGCUGUGGCAUCCACGUCA

osa-miR2094-5p, Number of SNPs:1

>10229779665, Relative Position:16, Ref allele:T

>>Mutated allele: C

UGGCUGCUAGGCUCCUGGGUG

|||||||||||||||\*|||||

UGGCUGCUAGGCUCCCGGGUG

osa-miR2095-5p, Number of SNPs:1

>11005931469, Relative Position:4, Ref allele:A

>>Mutated allele: G

CUGAUAAUUUUACGAUGAAUAG

|||\*||||||||||||||||||

CUGGUAAUUUUACGAUGAAUAG

osa-miR2096-3p, Number of SNPs:1

>10106443616, Relative Position:21, Ref allele:A

>>Mutated allele: G

CCUGAGGGGAAAUCGGCGGGA

||||||||||||||||||||\*

CCUGAGGGGAAAUCGGCGGGG

osa-miR2097-3p, Number of SNPs:3

>10109055750, Relative Position:3, Ref allele:C

>>Mutated allele: T

UUCUCUUCUUCGUGUCGCAUUU

||\*|||||||||||||||||||

UUUUCUUCUUCGUGUCGCAUUU

>10109055764, Relative Position:17, Ref allele:G

>>Mutated allele: A

UUCUCUUCUUCGUGUCGCAUUU

||||||||||||||||\*|||||

UUCUCUUCUUCGUGUCACAUUU

>10109055765, Relative Position:18, Ref allele:C

>>Mutated allele: T

UUCUCUUCUUCGUGUCGCAUUU

|||||||||||||||||\*||||

UUCUCUUCUUCGUGUCGUAUUU

osa-miR2097-5p, Number of SNPs:1

>10109055626, Relative Position:17, Ref allele:G

>>Mutated allele: A

AGAGAUGGGACGGGCAGGGAAG

||||||||||||||||\*|||||

AGAGAUGGGACGGGCAAGGAAG

osa-miR2098-3p, Number of SNPs:3

>11018080253, Relative Position:19, Ref allele:C

>>Mutated allele: T

CGGUUUGUCAAGCGGAGUGC

||||||||||||||||||\*|

CGGUUUGUCAAGCGGAGUAC

>11018080256, Relative Position:16, Ref allele:T

>>Mutated allele: C

CGGUUUGUCAAGCGGAGUGC

|||||||||||||||\*||||

CGGUUUGUCAAGCGGGGUGC

>11018080257, Relative Position:15, Ref allele:C

>>Mutated allele: T

CGGUUUGUCAAGCGGAGUGC

||||||||||||||\*|||||

CGGUUUGUCAAGCGAAGUGC

osa-miR2098-5p, Number of SNPs:2

>11018080280, Relative Position:20, Ref allele:C

>>Mutated allele: T

UCCCGUGGAGGCAGCCGAUG

|||||||||||||||||||\*

UCCCGUGGAGGCAGCCGAUA

>11018080285, Relative Position:15, Ref allele:G

>>Mutated allele: A

UCCCGUGGAGGCAGCCGAUG

||||||||||||||\*|||||

UCCCGUGGAGGCAGUCGAUG

osa-miR2099-3p, Number of SNPs:1

>10142570896, Relative Position:13, Ref allele:C

>>Mutated allele: T

ACAAAGCUGUAGCGUUAUUC

||||||||||||\*|||||||

ACAAAGCUGUAGUGUUAUUC

osa-miR2099-5p, Number of SNPs:1

>10142570872, Relative Position:11, Ref allele:T

>>Mutated allele: A

UGAAUAUGUUUGUACAAGCUUU

||||||||||\*|||||||||||

UGAAUAUGUUAGUACAAGCUUU

osa-miR2100-3p, Number of SNPs:4

>11116195015, Relative Position:16, Ref allele:C

>>Mutated allele: T

AACCGCUGUUUAGGCGGAGUGG

|||||||||||||||\*||||||

AACCGCUGUUUAGGCAGAGUGG

>11116195016, Relative Position:15, Ref allele:G

>>Mutated allele: A

AACCGCUGUUUAGGCGGAGUGG

||||||||||||||\*|||||||

AACCGCUGUUUAGGUGGAGUGG

>11116195025, Relative Position:6, Ref allele:G

>>Mutated allele: A

AACCGCUGUUUAGGCGGAGUGG

|||||\*||||||||||||||||

AACCGUUGUUUAGGCGGAGUGG

>11116195026, Relative Position:5, Ref allele:C

>>Mutated allele: T

AACCGCUGUUUAGGCGGAGUGG

||||\*|||||||||||||||||

AACCACUGUUUAGGCGGAGUGG

osa-miR2100-5p, Number of SNPs:2

>11116195133, Relative Position:14, Ref allele:G

>>Mutated allele: A

UUCUCUCAAGUUGCCAAACAAG

|||||||||||||\*||||||||

UUCUCUCAAGUUGUCAAACAAG

>11116195138, Relative Position:9, Ref allele:T

>>Mutated allele: A

UUCUCUCAAGUUGCCAAACAAG

||||||||\*|||||||||||||

UUCUCUCAUGUUGCCAAACAAG

osa-miR2101-5p, Number of SNPs:2

>11217986701, Relative Position:2, Ref allele:C

>>Mutated allele: G

ACAUGUUUACAAGUUAAAAUGU

|\*||||||||||||||||||||

AGAUGUUUACAAGUUAAAAUGU

>11217986714, Relative Position:15, Ref allele:T

>>Mutated allele: A

ACAUGUUUACAAGUUAAAAUGU

||||||||||||||\*|||||||

ACAUGUUUACAAGUAAAAAUGU

osa-miR2102-3p, Number of SNPs:2

>10518250577, Relative Position:21, Ref allele:C

>>Mutated allele: T

CAUGGUGCCGGUUCCGGUGGCG

||||||||||||||||||||\*|

CAUGGUGCCGGUUCCGGUGGUG

>10518250578, Relative Position:22, Ref allele:G

>>Mutated allele: T

CAUGGUGCCGGUUCCGGUGGCG

|||||||||||||||||||||\*

CAUGGUGCCGGUUCCGGUGGCU

osa-miR2102-5p, Number of SNPs:1

>10518250510, Relative Position:19, Ref allele:A

>>Mutated allele: G

GGGCAAGCCGCCGCCGCCAC

||||||||||||||||||\*|

GGGCAAGCCGCCGCCGCCGC

osa-miR2103, Number of SNPs:1

>11216852614, Relative Position:15, Ref allele:G

>>Mutated allele: A

UUUCCCUCUCCGUGCGCGCUCG

||||||||||||||\*|||||||

UUUCCCUCUCCGUGUGCGCUCG

osa-miR2104, Number of SNPs:4

>11113372023, Relative Position:17, Ref allele:T

>>Mutated allele: C

GCGGCGAGGGGAUGCGAGCGUG

||||||||||||||||\*|||||

GCGGCGAGGGGAUGCGGGCGUG

>11113372025, Relative Position:15, Ref allele:G

>>Mutated allele: A

GCGGCGAGGGGAUGCGAGCGUG

||||||||||||||\*|||||||

GCGGCGAGGGGAUGUGAGCGUG

>11113372037, Relative Position:3, Ref allele:C

>>Mutated allele: T

GCGGCGAGGGGAUGCGAGCGUG

||\*|||||||||||||||||||

GCAGCGAGGGGAUGCGAGCGUG

>11113372038, Relative Position:2, Ref allele:G

>>Mutated allele: A

GCGGCGAGGGGAUGCGAGCGUG

|\*||||||||||||||||||||

GUGGCGAGGGGAUGCGAGCGUG

osa-miR2106, Number of SNPs:1

>10223768638, Relative Position:2, Ref allele:G

>>Mutated allele: C

CCGAGGUUUUCUGGAUACAUU

|\*|||||||||||||||||||

CGGAGGUUUUCUGGAUACAUU

osa-miR2118a, Number of SNPs:1

>10421642958, Relative Position:14, Ref allele:G

>>Mutated allele: T

UUCUCGAUGCCUCCCAUUCCUA

|||||||||||||\*||||||||

UUCUCGAUGCCUCACAUUCCUA

osa-miR2118b, Number of SNPs:1

>10421645325, Relative Position:20, Ref allele:G

>>Mutated allele: A

UUCCCGAUGCCUCCCAUUCCUA

|||||||||||||||||||\*||

UUCCCGAUGCCUCCCAUUCUUA

osa-miR2118e, Number of SNPs:2

>10421647470, Relative Position:15, Ref allele:G

>>Mutated allele: A

UUCCCAAUGCCUCCCAUGCCUA

||||||||||||||\*|||||||

UUCCCAAUGCCUCCUAUGCCUA

>10421647480, Relative Position:5, Ref allele:G

>>Mutated allele: T

UUCCCAAUGCCUCCCAUGCCUA

||||\*|||||||||||||||||

UUCCAAAUGCCUCCCAUGCCUA

osa-miR2118k, Number of SNPs:1

>10421656988, Relative Position:16, Ref allele:T

>>Mutated allele: A

UUCCUGAUGCCUCUCAUUCCUA

|||||||||||||||\*||||||

UUCCUGAUGCCUCUCUUUCCUA

osa-miR2118l, Number of SNPs:2

>10421656754, Relative Position:11, Ref allele:A

>>Mutated allele: G

UUCCUAAUGCUUCCCAUUCCUA

||||||||||\*|||||||||||

UUCCUAAUGCCUCCCAUUCCUA

>10421656761, Relative Position:4, Ref allele:G

>>Mutated allele: A

UUCCUAAUGCUUCCCAUUCCUA

|||\*||||||||||||||||||

UUCUUAAUGCUUCCCAUUCCUA

osa-miR2118m, Number of SNPs:1

>10421658901, Relative Position:13, Ref allele:G

>>Mutated allele: A

UUCCUGAUGCCUCCCAUUCCUA

||||||||||||\*|||||||||

UUCCUGAUGCCUUCCAUUCCUA

osa-miR2118o, Number of SNPs:1

>10421661320, Relative Position:1, Ref allele:G

>>Mutated allele: A

CUCCUGAUGCCUCCCAAGCCUA

\*|||||||||||||||||||||

UUCCUGAUGCCUCCCAAGCCUA

osa-miR2121a, Number of SNPs:3

>10116373544, Relative Position:22, Ref allele:G

>>Mutated allele: A

AAAACGGAGCGGUCCAUUAGCGCG

|||||||||||||||||||||\*||

AAAACGGAGCGGUCCAUUAGCACG

>10116373545, Relative Position:23, Ref allele:C

>>Mutated allele: T

AAAACGGAGCGGUCCAUUAGCGCG

||||||||||||||||||||||\*|

AAAACGGAGCGGUCCAUUAGCGUG

>10116373546, Relative Position:24, Ref allele:G

>>Mutated allele: A

AAAACGGAGCGGUCCAUUAGCGCG

|||||||||||||||||||||||\*

AAAACGGAGCGGUCCAUUAGCGCA

osa-miR2121b, Number of SNPs:8

>10416882400, Relative Position:5, Ref allele:C

>>Mutated allele: T

AAAACGGAGCGGUCCAUUAGCGCG

||||\*|||||||||||||||||||

AAAAUGGAGCGGUCCAUUAGCGCG

>10416882401, Relative Position:6, Ref allele:G

>>Mutated allele: A

AAAACGGAGCGGUCCAUUAGCGCG

|||||\*||||||||||||||||||

AAAACAGAGCGGUCCAUUAGCGCG

>10416882406, Relative Position:11, Ref allele:G

>>Mutated allele: A

AAAACGGAGCGGUCCAUUAGCGCG

||||||||||\*|||||||||||||

AAAACGGAGCAGUCCAUUAGCGCG

>10416882410, Relative Position:15, Ref allele:C

>>Mutated allele: T

AAAACGGAGCGGUCCAUUAGCGCG

||||||||||||||\*|||||||||

AAAACGGAGCGGUCUAUUAGCGCG

>10416882416, Relative Position:21, Ref allele:C

>>Mutated allele: T

AAAACGGAGCGGUCCAUUAGCGCG

||||||||||||||||||||\*|||

AAAACGGAGCGGUCCAUUAGUGCG

>10416882417, Relative Position:22, Ref allele:G

>>Mutated allele: A

AAAACGGAGCGGUCCAUUAGCGCG

|||||||||||||||||||||\*||

AAAACGGAGCGGUCCAUUAGCACG

>10416882418, Relative Position:23, Ref allele:C

>>Mutated allele: T

AAAACGGAGCGGUCCAUUAGCGCG

||||||||||||||||||||||\*|

AAAACGGAGCGGUCCAUUAGCGUG

>10416882419, Relative Position:24, Ref allele:G

>>Mutated allele: A

AAAACGGAGCGGUCCAUUAGCGCG

|||||||||||||||||||||||\*

AAAACGGAGCGGUCCAUUAGCGCA

osa-miR2122, Number of SNPs:3

>10208715225, Relative Position:4, Ref allele:C

>>Mutated allele: T

UUUCAAAAAUAACCUUUUGUUC

|||\*||||||||||||||||||

UUUUAAAAAUAACCUUUUGUUC

>10208715232, Relative Position:11, Ref allele:A

>>Mutated allele: G

UUUCAAAAAUAACCUUUUGUUC

||||||||||\*|||||||||||

UUUCAAAAAUGACCUUUUGUUC

>10208715240, Relative Position:19, Ref allele:G

>>Mutated allele: T

UUUCAAAAAUAACCUUUUGUUC

||||||||||||||||||\*|||

UUUCAAAAAUAACCUUUUUUUC

osa-miR2275a, Number of SNPs:2

>10801205086, Relative Position:16, Ref allele:T

>>Mutated allele: C

UUUGGUUUCCUCCAAUAUCUCA

|||||||||||||||\*||||||

UUUGGUUUCCUCCAACAUCUCA

>10801205091, Relative Position:21, Ref allele:C

>>Mutated allele: T

UUUGGUUUCCUCCAAUAUCUCA

||||||||||||||||||||\*|

UUUGGUUUCCUCCAAUAUCUUA

osa-miR2275b, Number of SNPs:1

>10801202576, Relative Position:22, Ref allele:A

>>Mutated allele: G

UUUGGUUUCCUCCAAUAUCUCA

|||||||||||||||||||||\*

UUUGGUUUCCUCCAAUAUCUCG

osa-miR2275c, Number of SNPs:2

>10716719863, Relative Position:8, Ref allele:C

>>Mutated allele: T

AGAAUUGGAGGAAAACAAACUGA

|||||||\*|||||||||||||||

AGAAUUGAAGGAAAACAAACUGA

>10716719869, Relative Position:2, Ref allele:C

>>Mutated allele: G

AGAAUUGGAGGAAAACAAACUGA

|\*|||||||||||||||||||||

ACAAUUGGAGGAAAACAAACUGA

osa-miR2864.2, Number of SNPs:3

>11225664780, Relative Position:21, Ref allele:T

>>Mutated allele: C

UUGUUUUGCAUUGUAUAGGUA

||||||||||||||||||||\*

UUGUUUUGCAUUGUAUAGGUG

>11225664782, Relative Position:19, Ref allele:C

>>Mutated allele: G

UUGUUUUGCAUUGUAUAGGUA

||||||||||||||||||\*||

UUGUUUUGCAUUGUAUAGCUA

>11225664785, Relative Position:16, Ref allele:A

>>Mutated allele: C

UUGUUUUGCAUUGUAUAGGUA

|||||||||||||||\*|||||

UUGUUUUGCAUUGUAGAGGUA

osa-miR2865, Number of SNPs:8

>10908515763, Relative Position:21, Ref allele:A

>>Mutated allele: G

CUCAGCAGUCGACUGUACCGUG

||||||||||||||||||||\*|

CUCAGCAGUCGACUGUACCGCG

>10908515764, Relative Position:20, Ref allele:C

>>Mutated allele: T

CUCAGCAGUCGACUGUACCGUG

|||||||||||||||||||\*||

CUCAGCAGUCGACUGUACCAUG

>10908515765, Relative Position:19, Ref allele:G

>>Mutated allele: A

CUCAGCAGUCGACUGUACCGUG

||||||||||||||||||\*|||

CUCAGCAGUCGACUGUACUGUG

>10908515768, Relative Position:16, Ref allele:A

>>Mutated allele: G

CUCAGCAGUCGACUGUACCGUG

|||||||||||||||\*||||||

CUCAGCAGUCGACUGCACCGUG

>10908515769, Relative Position:15, Ref allele:C

>>Mutated allele: T

CUCAGCAGUCGACUGUACCGUG

||||||||||||||\*|||||||

CUCAGCAGUCGACUAUACCGUG

>10908515770, Relative Position:14, Ref allele:A

>>Mutated allele: G

CUCAGCAGUCGACUGUACCGUG

|||||||||||||\*||||||||

CUCAGCAGUCGACCGUACCGUG

>10908515776, Relative Position:8, Ref allele:C

>>Mutated allele: A

CUCAGCAGUCGACUGUACCGUG

|||||||\*||||||||||||||

CUCAGCAUUCGACUGUACCGUG

>10908515780, Relative Position:4, Ref allele:T

>>Mutated allele: A

CUCAGCAGUCGACUGUACCGUG

|||\*||||||||||||||||||

CUCUGCAGUCGACUGUACCGUG

osa-miR2867-3p, Number of SNPs:1

>11116277727, Relative Position:7, Ref allele:C

>>Mutated allele: T

CCAGGACGUGUGGGAUGGCA

||||||\*|||||||||||||

CCAGGAUGUGUGGGAUGGCA

osa-miR2867-5p, Number of SNPs:2

>11116277663, Relative Position:2, Ref allele:G

>>Mutated allele: A

UGUGCCAUCCCACACAUCCCGA

|\*||||||||||||||||||||

UAUGCCAUCCCACACAUCCCGA

>11116277681, Relative Position:20, Ref allele:C

>>Mutated allele: T

UGUGCCAUCCCACACAUCCCGA

|||||||||||||||||||\*||

UGUGCCAUCCCACACAUCCUGA

osa-miR2871a-5p, Number of SNPs:1

>10503877022, Relative Position:4, Ref allele:C

>>Mutated allele: T

GACCGUAGAAACUAGCAUAGAAAA

|||\*||||||||||||||||||||

GACUGUAGAAACUAGCAUAGAAAA

osa-miR2872, Number of SNPs:1

>11102525339, Relative Position:16, Ref allele:C

>>Mutated allele: A

UGGGGUUCUACAAACCGAACU

|||||||||||||||\*|||||

UGGGGUUCUACAAACAGAACU

>>Mutated allele: T

UGGGGUUCUACAAACCGAACU

|||||||||||||||\*|||||

UGGGGUUCUACAAACUGAACU

osa-miR2873c, Number of SNPs:2

>10727503533, Relative Position:1, Ref allele:C

>>Mutated allele: T

CAAAUGAAGUUGAGUUUGGAC

\*||||||||||||||||||||

UAAAUGAAGUUGAGUUUGGAC

>10727503550, Relative Position:18, Ref allele:G

>>Mutated allele: A

CAAAUGAAGUUGAGUUUGGAC

|||||||||||||||||\*|||

CAAAUGAAGUUGAGUUUAGAC

osa-miR2874, Number of SNPs:1

>10815598097, Relative Position:2, Ref allele:T

>>Mutated allele: C

AUGUGAACAGUGUCAAACAGUGUC

|\*||||||||||||||||||||||

ACGUGAACAGUGUCAAACAGUGUC

osa-miR2875, Number of SNPs:4

>10827092109, Relative Position:10, Ref allele:C

>>Mutated allele: T

AUUUACAGUCAUAUACAGUUUAUA

|||||||||\*||||||||||||||

AUUUACAGUUAUAUACAGUUUAUA

>10827092115, Relative Position:16, Ref allele:C

>>Mutated allele: T

AUUUACAGUCAUAUACAGUUUAUA

|||||||||||||||\*||||||||

AUUUACAGUCAUAUAUAGUUUAUA

>10827092116, Relative Position:17, Ref allele:A

>>Mutated allele: G

AUUUACAGUCAUAUACAGUUUAUA

||||||||||||||||\*|||||||

AUUUACAGUCAUAUACGGUUUAUA

>10827092120, Relative Position:21, Ref allele:T

>>Mutated allele: C

AUUUACAGUCAUAUACAGUUUAUA

||||||||||||||||||||\*|||

AUUUACAGUCAUAUACAGUUCAUA

osa-miR2877, Number of SNPs:1

>10428585262, Relative Position:16, Ref allele:A

>>Mutated allele: T

UUGCAUCCUCUGCACUUUGGGCCU

|||||||||||||||\*||||||||

UUGCAUCCUCUGCACAUUGGGCCU

osa-miR2878-3p, Number of SNPs:3

>10826181436, Relative Position:2, Ref allele:A

>>Mutated allele: G

CAGGAUUUUAUACAUGUAAAGAAU

|\*||||||||||||||||||||||

CGGGAUUUUAUACAUGUAAAGAAU

>10826181446, Relative Position:12, Ref allele:A

>>Mutated allele: G

CAGGAUUUUAUACAUGUAAAGAAU

|||||||||||\*||||||||||||

CAGGAUUUUAUGCAUGUAAAGAAU

>10826181458, Relative Position:24, Ref allele:T

>>Mutated allele: C

CAGGAUUUUAUACAUGUAAAGAAU

|||||||||||||||||||||||\*

CAGGAUUUUAUACAUGUAAAGAAC

osa-miR2879, Number of SNPs:1

>10218895932, Relative Position:9, Ref allele:A

>>Mutated allele: C

GCCAGAUGUGUUAAAAUAAUGACC

||||||||\*|||||||||||||||

GCCAGAUGGGUUAAAAUAAUGACC

osa-miR2880, Number of SNPs:4

>10322741629, Relative Position:2, Ref allele:C

>>Mutated allele: T

ACGGUAUCCCGUUCGGACAGGAUG

|\*||||||||||||||||||||||

AUGGUAUCCCGUUCGGACAGGAUG

>10322741630, Relative Position:3, Ref allele:G

>>Mutated allele: A

ACGGUAUCCCGUUCGGACAGGAUG

||\*|||||||||||||||||||||

ACAGUAUCCCGUUCGGACAGGAUG

>10322741637, Relative Position:10, Ref allele:C

>>Mutated allele: T

ACGGUAUCCCGUUCGGACAGGAUG

|||||||||\*||||||||||||||

ACGGUAUCCUGUUCGGACAGGAUG

>10322741647, Relative Position:20, Ref allele:G

>>Mutated allele: A

ACGGUAUCCCGUUCGGACAGGAUG

|||||||||||||||||||\*||||

ACGGUAUCCCGUUCGGACAAGAUG

osa-miR2905, Number of SNPs:1

>10313591906, Relative Position:19, Ref allele:C

>>Mutated allele: A

UACAUGUCAGUGACAAAGGCA

||||||||||||||||||\*||

UACAUGUCAGUGACAAAGUCA

osa-miR2907a, Number of SNPs:3

>10323598587, Relative Position:2, Ref allele:G

>>Mutated allele: A

GGCAGCCGAGCGAGGGCCUCGG

|\*||||||||||||||||||||

GACAGCCGAGCGAGGGCCUCGG

>10323598592, Relative Position:7, Ref allele:C

>>Mutated allele: T

GGCAGCCGAGCGAGGGCCUCGG

||||||\*|||||||||||||||

GGCAGCUGAGCGAGGGCCUCGG

>10323598600, Relative Position:15, Ref allele:G

>>Mutated allele: A

GGCAGCCGAGCGAGGGCCUCGG

||||||||||||||\*|||||||

GGCAGCCGAGCGAGAGCCUCGG

osa-miR2907b, Number of SNPs:1

>11107278079, Relative Position:20, Ref allele:C

>>Mutated allele: T

GGCAGCCGAGCGAGGGCCUCGG

|||||||||||||||||||\*||

GGCAGCCGAGCGAGGGCCUUGG

osa-miR2907c, Number of SNPs:3

>11111906626, Relative Position:9, Ref allele:A

>>Mutated allele: G

GGCAGCCGAGCGAGGGCCUCGG

||||||||\*|||||||||||||

GGCAGCCGGGCGAGGGCCUCGG

>11111906629, Relative Position:12, Ref allele:G

>>Mutated allele: A

GGCAGCCGAGCGAGGGCCUCGG

|||||||||||\*||||||||||

GGCAGCCGAGCAAGGGCCUCGG

>11111906637, Relative Position:20, Ref allele:C

>>Mutated allele: T

GGCAGCCGAGCGAGGGCCUCGG

|||||||||||||||||||\*||

GGCAGCCGAGCGAGGGCCUUGG

osa-miR2907d, Number of SNPs:1

>11212115145, Relative Position:20, Ref allele:C

>>Mutated allele: T

GGCAGCCGAGCGAGGGCCUCGG

|||||||||||||||||||\*||

GGCAGCCGAGCGAGGGCCUUGG

osa-miR2921, Number of SNPs:5

>11122213562, Relative Position:6, Ref allele:C

>>Mutated allele: G

AAGAACUUAAUAUAACUUUAAAGC

|||||\*||||||||||||||||||

AAGAAGUUAAUAUAACUUUAAAGC

>11122213563, Relative Position:7, Ref allele:T

>>Mutated allele: C

AAGAACUUAAUAUAACUUUAAAGC

||||||\*|||||||||||||||||

AAGAACCUAAUAUAACUUUAAAGC

>11122213572, Relative Position:16, Ref allele:C

>>Mutated allele: T

AAGAACUUAAUAUAACUUUAAAGC

|||||||||||||||\*||||||||

AAGAACUUAAUAUAAUUUUAAAGC

>11122213577, Relative Position:21, Ref allele:A

>>Mutated allele: T

AAGAACUUAAUAUAACUUUAAAGC

||||||||||||||||||||\*|||

AAGAACUUAAUAUAACUUUAUAGC

>11122213578, Relative Position:22, Ref allele:A

>>Mutated allele: T

AAGAACUUAAUAUAACUUUAAAGC

|||||||||||||||||||||\*||

AAGAACUUAAUAUAACUUUAAUGC

osa-miR2924, Number of SNPs:1

>10111894416, Relative Position:13, Ref allele:G

>>Mutated allele: A

CUCGCUUGCUCCGGCCGCCAC

||||||||||||\*||||||||

CUCGCUUGCUCCAGCCGCCAC

osa-miR2928, Number of SNPs:1

>10206536032, Relative Position:9, Ref allele:G

>>Mutated allele: A

AAGAAGACGACAUUUUGUUG

||||||||\*|||||||||||

AAGAAGACAACAUUUUGUUG

osa-miR2930, Number of SNPs:1

>10608376867, Relative Position:5, Ref allele:C

>>Mutated allele: T

UUCUCUUCUCUCGCGCGUGGCC

||||\*|||||||||||||||||

UUCUUUUCUCUCGCGCGUGGCC

osa-miR2932, Number of SNPs:1

>11010556721, Relative Position:13, Ref allele:A

>>Mutated allele: G

AGUAUGCCCACUACCUAUC

||||||||||||\*||||||

AGUAUGCCCACUGCCUAUC

osa-miR319a-3p, Number of SNPs:1

>10126823355, Relative Position:2, Ref allele:G

>>Mutated allele: A

ACUGGAUGACGCGGGAGCUAA

|\*|||||||||||||||||||

AUUGGAUGACGCGGGAGCUAA

osa-miR395a, Number of SNPs:3

>10431805514, Relative Position:11, Ref allele:A

>>Mutated allele: G

GUGAAGUGCUUGGGGGAACUC

||||||||||\*||||||||||

GUGAAGUGCUCGGGGGAACUC

>10431805517, Relative Position:8, Ref allele:C

>>Mutated allele: G

GUGAAGUGCUUGGGGGAACUC

|||||||\*|||||||||||||

GUGAAGUCCUUGGGGGAACUC

>10431805522, Relative Position:3, Ref allele:C

>>Mutated allele: T

GUGAAGUGCUUGGGGGAACUC

||\*||||||||||||||||||

GUAAAGUGCUUGGGGGAACUC

osa-miR395c, Number of SNPs:4

>10431805205, Relative Position:19, Ref allele:G

>>Mutated allele: A

GUGAAGUGUUUGGAGGAACUC

||||||||||||||||||\*||

GUGAAGUGUUUGGAGGAAUUC

>10431805208, Relative Position:16, Ref allele:C

>>Mutated allele: T

GUGAAGUGUUUGGAGGAACUC

|||||||||||||||\*|||||

GUGAAGUGUUUGGAGAAACUC

>10431805212, Relative Position:12, Ref allele:C

>>Mutated allele: T

GUGAAGUGUUUGGAGGAACUC

|||||||||||\*|||||||||

GUGAAGUGUUUAGAGGAACUC

>10431805216, Relative Position:8, Ref allele:C

>>Mutated allele: T

GUGAAGUGUUUGGAGGAACUC

|||||||\*|||||||||||||

GUGAAGUAUUUGGAGGAACUC

osa-miR395d, Number of SNPs:3

>10431805073, Relative Position:13, Ref allele:C

>>Mutated allele: T

GUGAAGUGUUUGGGGGAACUC

||||||||||||\*||||||||

GUGAAGUGUUUGAGGGAACUC

>10431805077, Relative Position:9, Ref allele:A

>>Mutated allele: T

GUGAAGUGUUUGGGGGAACUC

||||||||\*||||||||||||

GUGAAGUGAUUGGGGGAACUC

>10431805080, Relative Position:6, Ref allele:C

>>Mutated allele: T

GUGAAGUGUUUGGGGGAACUC

|||||\*|||||||||||||||

GUGAAAUGUUUGGGGGAACUC

osa-miR395e, Number of SNPs:3

>10431804930, Relative Position:13, Ref allele:C

>>Mutated allele: T

GUGAAGUGUUUGGGGGAACUC

||||||||||||\*||||||||

GUGAAGUGUUUGAGGGAACUC

>10431804935, Relative Position:8, Ref allele:C

>>Mutated allele: T

GUGAAGUGUUUGGGGGAACUC

|||||||\*|||||||||||||

GUGAAGUAUUUGGGGGAACUC

>10431804942, Relative Position:1, Ref allele:C

>>Mutated allele: T

GUGAAGUGUUUGGGGGAACUC

\*||||||||||||||||||||

AUGAAGUGUUUGGGGGAACUC

osa-miR395f, Number of SNPs:4

>10431804786, Relative Position:16, Ref allele:C

>>Mutated allele: T

GUGAAUUGUUUGGGGGAACUC

|||||||||||||||\*|||||

GUGAAUUGUUUGGGGAAACUC

>10431804787, Relative Position:15, Ref allele:C

>>Mutated allele: T

GUGAAUUGUUUGGGGGAACUC

||||||||||||||\*||||||

GUGAAUUGUUUGGGAGAACUC

>10431804796, Relative Position:6, Ref allele:A

>>Mutated allele: C

GUGAAUUGUUUGGGGGAACUC

|||||\*|||||||||||||||

GUGAAGUGUUUGGGGGAACUC

>10431804799, Relative Position:3, Ref allele:C

>>Mutated allele: T

GUGAAUUGUUUGGGGGAACUC

||\*||||||||||||||||||

GUAAAUUGUUUGGGGGAACUC

>>Mutated allele: A

GUGAAUUGUUUGGGGGAACUC

||\*||||||||||||||||||

GUUAAUUGUUUGGGGGAACUC

osa-miR395g, Number of SNPs:2

>10431804648, Relative Position:16, Ref allele:C

>>Mutated allele: T

GUGAAGUGUUUGGGGGAACUC

|||||||||||||||\*|||||

GUGAAGUGUUUGGGGAAACUC

>10431804652, Relative Position:12, Ref allele:C

>>Mutated allele: A

GUGAAGUGUUUGGGGGAACUC

|||||||||||\*|||||||||

GUGAAGUGUUUUGGGGAACUC

osa-miR395h, Number of SNPs:3

>10803299227, Relative Position:3, Ref allele:G

>>Mutated allele: A

GUGAAGUGUUUGGGGGAACUC

||\*||||||||||||||||||

GUAAAGUGUUUGGGGGAACUC

>10803299238, Relative Position:14, Ref allele:G

>>Mutated allele: T

GUGAAGUGUUUGGGGGAACUC

|||||||||||||\*|||||||

GUGAAGUGUUUGGUGGAACUC

>10803299239, Relative Position:15, Ref allele:G

>>Mutated allele: A

GUGAAGUGUUUGGGGGAACUC

||||||||||||||\*||||||

GUGAAGUGUUUGGGAGAACUC

osa-miR395i, Number of SNPs:1

>10803299396, Relative Position:10, Ref allele:T

>>Mutated allele: A

GUGAAGUGUUUGGGGGAACUC

|||||||||\*|||||||||||

GUGAAGUGUAUGGGGGAACUC

osa-miR395m, Number of SNPs:2

>10432622105, Relative Position:14, Ref allele:G

>>Mutated allele: A

GUGAAGUGUUUGGGGGAACUC

|||||||||||||\*|||||||

GUGAAGUGUUUGGAGGAACUC

>10432622107, Relative Position:16, Ref allele:G

>>Mutated allele: A

GUGAAGUGUUUGGGGGAACUC

|||||||||||||||\*|||||

GUGAAGUGUUUGGGGAAACUC

osa-miR395n, Number of SNPs:1

>10432622295, Relative Position:8, Ref allele:G

>>Mutated allele: A

GUGAAGUGUUUGGGGGAACUC

|||||||\*|||||||||||||

GUGAAGUAUUUGGGGGAACUC

osa-miR395o, Number of SNPs:1

>10432622444, Relative Position:16, Ref allele:G

>>Mutated allele: A

AUGAAGUGUUUGGAGGAACUC

|||||||||||||||\*|||||

AUGAAGUGUUUGGAGAAACUC

osa-miR395p, Number of SNPs:1

>10432622585, Relative Position:14, Ref allele:G

>>Mutated allele: A

GUGAAGUGUUUGGGGGAACUC

|||||||||||||\*|||||||

GUGAAGUGUUUGGAGGAACUC

osa-miR395t, Number of SNPs:1

>10906607374, Relative Position:10, Ref allele:A

>>Mutated allele: G

GUGAAGUGUUUGGGGAAACUC

|||||||||\*|||||||||||

GUGAAGUGUCUGGGGAAACUC

osa-miR395u, Number of SNPs:4

>10906606720, Relative Position:12, Ref allele:C

>>Mutated allele: G

GUGAAGCGUUUGGGGGAAAUC

|||||||||||\*|||||||||

GUGAAGCGUUUCGGGGAAAUC

>10906606724, Relative Position:8, Ref allele:C

>>Mutated allele: T

GUGAAGCGUUUGGGGGAAAUC

|||||||\*|||||||||||||

GUGAAGCAUUUGGGGGAAAUC

>10906606725, Relative Position:7, Ref allele:G

>>Mutated allele: A

GUGAAGCGUUUGGGGGAAAUC

||||||\*||||||||||||||

GUGAAGUGUUUGGGGGAAAUC

>10906606729, Relative Position:3, Ref allele:C

>>Mutated allele: T

GUGAAGCGUUUGGGGGAAAUC

||\*||||||||||||||||||

GUAAAGCGUUUGGGGGAAAUC

osa-miR395v, Number of SNPs:4

>10906606580, Relative Position:16, Ref allele:C

>>Mutated allele: T

GUGAAGUAUUUGGCGGAACUC

|||||||||||||||\*|||||

GUGAAGUAUUUGGCGAAACUC

>10906606581, Relative Position:15, Ref allele:C

>>Mutated allele: T

GUGAAGUAUUUGGCGGAACUC

||||||||||||||\*||||||

GUGAAGUAUUUGGCAGAACUC

>10906606582, Relative Position:14, Ref allele:G

>>Mutated allele: T

GUGAAGUAUUUGGCGGAACUC

|||||||||||||\*|||||||

GUGAAGUAUUUGGAGGAACUC

>10906606593, Relative Position:3, Ref allele:C

>>Mutated allele: T

GUGAAGUAUUUGGCGGAACUC

||\*||||||||||||||||||

GUAAAGUAUUUGGCGGAACUC

osa-miR395w, Number of SNPs:3

>10906606302, Relative Position:11, Ref allele:A

>>Mutated allele: T

GUGAAGUGUUUGGGGGAUUCUC

||||||||||\*|||||||||||

GUGAAGUGUUAGGGGGAUUCUC

>10906606308, Relative Position:5, Ref allele:T

>>Mutated allele: A

GUGAAGUGUUUGGGGGAUUCUC

||||\*|||||||||||||||||

GUGAUGUGUUUGGGGGAUUCUC

>10906606309, Relative Position:4, Ref allele:T

>>Mutated allele: C

GUGAAGUGUUUGGGGGAUUCUC

|||\*||||||||||||||||||

GUGGAGUGUUUGGGGGAUUCUC

osa-miR395x, Number of SNPs:1

>10432623142, Relative Position:16, Ref allele:T

>>Mutated allele: C

GUGAAGUGUUUGGAGUAGCUC

|||||||||||||||\*|||||

GUGAAGUGUUUGGAGCAGCUC

osa-miR396c-5p, Number of SNPs:1

>10234288003, Relative Position:1, Ref allele:A

>>Mutated allele: G

UUCCACAGCUUUCUUGAACUU

\*||||||||||||||||||||

CUCCACAGCUUUCUUGAACUU

osa-miR3979-3p, Number of SNPs:2

>11119480238, Relative Position:5, Ref allele:G

>>Mutated allele: A

CUUCGGGGGAGGAGAGAAGC

||||\*|||||||||||||||

CUUCAGGGGAGGAGAGAAGC

>11119480252, Relative Position:19, Ref allele:G

>>Mutated allele: T

CUUCGGGGGAGGAGAGAAGC

||||||||||||||||||\*|

CUUCGGGGGAGGAGAGAAUC

osa-miR3981-3p, Number of SNPs:4

>10504302901, Relative Position:5, Ref allele:T

>>Mutated allele: C

AGUAUUAGGAUACGUCUCAUC

||||\*||||||||||||||||

AGUACUAGGAUACGUCUCAUC

>10504302903, Relative Position:7, Ref allele:A

>>Mutated allele: C

AGUAUUAGGAUACGUCUCAUC

||||||\*||||||||||||||

AGUAUUCGGAUACGUCUCAUC

>10504302910, Relative Position:14, Ref allele:G

>>Mutated allele: A

AGUAUUAGGAUACGUCUCAUC

|||||||||||||\*|||||||

AGUAUUAGGAUACAUCUCAUC

>10504302917, Relative Position:21, Ref allele:C

>>Mutated allele: T

AGUAUUAGGAUACGUCUCAUC

||||||||||||||||||||\*

AGUAUUAGGAUACGUCUCAUU

osa-miR3981-5p, Number of SNPs:4

>10504302837, Relative Position:2, Ref allele:G

>>Mutated allele: T

UGGGACGUAUCCUAUUACUAU

|\*|||||||||||||||||||

UUGGACGUAUCCUAUUACUAU

>>Mutated allele: A

UGGGACGUAUCCUAUUACUAU

|\*|||||||||||||||||||

UAGGACGUAUCCUAUUACUAU

>10504302838, Relative Position:3, Ref allele:G

>>Mutated allele: T

UGGGACGUAUCCUAUUACUAU

||\*||||||||||||||||||

UGUGACGUAUCCUAUUACUAU

>>Mutated allele: A

UGGGACGUAUCCUAUUACUAU

||\*||||||||||||||||||

UGAGACGUAUCCUAUUACUAU

>10504302841, Relative Position:6, Ref allele:C

>>Mutated allele: T

UGGGACGUAUCCUAUUACUAU

|||||\*|||||||||||||||

UGGGAUGUAUCCUAUUACUAU

>10504302842, Relative Position:7, Ref allele:G

>>Mutated allele: T

UGGGACGUAUCCUAUUACUAU

||||||\*||||||||||||||

UGGGACUUAUCCUAUUACUAU

>>Mutated allele: A

UGGGACGUAUCCUAUUACUAU

||||||\*||||||||||||||

UGGGACAUAUCCUAUUACUAU

osa-miR3982-5p, Number of SNPs:3

>11101384936, Relative Position:16, Ref allele:T

>>Mutated allele: C

GCGCUCCACGUAGGCAACAAU

|||||||||||||||\*|||||

GCGCUCCACGUAGGCGACAAU

>11101384946, Relative Position:6, Ref allele:G

>>Mutated allele: A

GCGCUCCACGUAGGCAACAAU

|||||\*|||||||||||||||

GCGCUUCACGUAGGCAACAAU

>11101384947, Relative Position:5, Ref allele:A

>>Mutated allele: G

GCGCUCCACGUAGGCAACAAU

||||\*||||||||||||||||

GCGCCCCACGUAGGCAACAAU

osa-miR398b, Number of SNPs:1

>10714598637, Relative Position:11, Ref allele:C

>>Mutated allele: T

UGUGUUCUCAGGUCGCCCCUG

||||||||||\*||||||||||

UGUGUUCUCAAGUCGCCCCUG

osa-miR399a, Number of SNPs:1

>10130478761, Relative Position:8, Ref allele:G

>>Mutated allele: T

UGCCAAAGGAGAAUUGCCCUG

|||||||\*|||||||||||||

UGCCAAAUGAGAAUUGCCCUG

osa-miR399d, Number of SNPs:1

>10601562045, Relative Position:2, Ref allele:G

>>Mutated allele: A

UGCCAAAGGAGAGUUGCCCUG

|\*|||||||||||||||||||

UACCAAAGGAGAGUUGCCCUG

osa-miR399g, Number of SNPs:1

>10207675391, Relative Position:20, Ref allele:A

>>Mutated allele: G

UGCCAAAGGAGAUUUGCCCAG

|||||||||||||||||||\*|

UGCCAAAGGAGAUUUGCCCGG

osa-miR414, Number of SNPs:2

>11115504904, Relative Position:1, Ref allele:T

>>Mutated allele: C

UCAUCCUCAUCAUCAUCGUCC

\*||||||||||||||||||||

CCAUCCUCAUCAUCAUCGUCC

>11115504920, Relative Position:17, Ref allele:C

>>Mutated allele: G

UCAUCCUCAUCAUCAUCGUCC

||||||||||||||||\*||||

UCAUCCUCAUCAUCAUGGUCC

osa-miR417, Number of SNPs:1

>10814939903, Relative Position:8, Ref allele:G

>>Mutated allele: A

GAAUGUAGUGAAUUUGUUCCA

|||||||\*|||||||||||||

GAAUGUAAUGAAUUUGUUCCA

>>Mutated allele: T

GAAUGUAGUGAAUUUGUUCCA

|||||||\*|||||||||||||

GAAUGUAUUGAAUUUGUUCCA

osa-miR419, Number of SNPs:6

>11208237586, Relative Position:21, Ref allele:C

>>Mutated allele: T

UGAUGAAUGCUGACGAUGUUG

||||||||||||||||||||\*

UGAUGAAUGCUGACGAUGUUA

>11208237588, Relative Position:19, Ref allele:A

>>Mutated allele: G

UGAUGAAUGCUGACGAUGUUG

||||||||||||||||||\*||

UGAUGAAUGCUGACGAUGCUG

>11208237592, Relative Position:15, Ref allele:C

>>Mutated allele: T

UGAUGAAUGCUGACGAUGUUG

||||||||||||||\*||||||

UGAUGAAUGCUGACAAUGUUG

>11208237593, Relative Position:14, Ref allele:G

>>Mutated allele: T

UGAUGAAUGCUGACGAUGUUG

|||||||||||||\*|||||||

UGAUGAAUGCUGAAGAUGUUG

>11208237595, Relative Position:12, Ref allele:C

>>Mutated allele: T

UGAUGAAUGCUGACGAUGUUG

|||||||||||\*|||||||||

UGAUGAAUGCUAACGAUGUUG

>11208237600, Relative Position:7, Ref allele:T

>>Mutated allele: C

UGAUGAAUGCUGACGAUGUUG

||||||\*||||||||||||||

UGAUGAGUGCUGACGAUGUUG

osa-miR437, Number of SNPs:1

>10217050378, Relative Position:17, Ref allele:C

>>Mutated allele: A

AAAGUUAGAGAAGUUUGACUU

||||||||||||||||\*||||

AAAGUUAGAGAAGUUUUACUU

osa-miR438, Number of SNPs:1

>10620745996, Relative Position:9, Ref allele:C

>>Mutated allele: T

UUCCCACGCGUUAUAGUGAAA

||||||||\*||||||||||||

UUCCCACGUGUUAUAGUGAAA

osa-miR439b, Number of SNPs:1

>11005572960, Relative Position:4, Ref allele:C

>>Mutated allele: T

UGUCGAACCGCGGUUGUUCGA

|||\*|||||||||||||||||

UGUUGAACCGCGGUUGUUCGA

osa-miR439d, Number of SNPs:5

>10313698385, Relative Position:5, Ref allele:G

>>Mutated allele: A

UGUCGAACCGCGGUUGUUCGA

||||\*||||||||||||||||

UGUCAAACCGCGGUUGUUCGA

>10313698389, Relative Position:9, Ref allele:C

>>Mutated allele: T

UGUCGAACCGCGGUUGUUCGA

||||||||\*||||||||||||

UGUCGAACUGCGGUUGUUCGA

>10313698391, Relative Position:11, Ref allele:C

>>Mutated allele: T

UGUCGAACCGCGGUUGUUCGA

||||||||||\*||||||||||

UGUCGAACCGUGGUUGUUCGA

>10313698392, Relative Position:12, Ref allele:G

>>Mutated allele: A

UGUCGAACCGCGGUUGUUCGA

|||||||||||\*|||||||||

UGUCGAACCGCAGUUGUUCGA

>10313698400, Relative Position:20, Ref allele:G

>>Mutated allele: A

UGUCGAACCGCGGUUGUUCGA

|||||||||||||||||||\*|

UGUCGAACCGCGGUUGUUCAA

osa-miR439g, Number of SNPs:1

>10803664299, Relative Position:9, Ref allele:C

>>Mutated allele: T

UGUCGAACCGCGGUUGUUCGA

||||||||\*||||||||||||

UGUCGAACUGCGGUUGUUCGA

osa-miR439h, Number of SNPs:6

>10601553127, Relative Position:20, Ref allele:C

>>Mutated allele: T

UGUCGAACCGCGGUUGUUCGA

|||||||||||||||||||\*|

UGUCGAACCGCGGUUGUUCAA

>10601553131, Relative Position:16, Ref allele:C

>>Mutated allele: T

UGUCGAACCGCGGUUGUUCGA

|||||||||||||||\*|||||

UGUCGAACCGCGGUUAUUCGA

>10601553137, Relative Position:10, Ref allele:C

>>Mutated allele: T

UGUCGAACCGCGGUUGUUCGA

|||||||||\*|||||||||||

UGUCGAACCACGGUUGUUCGA

>10601553138, Relative Position:9, Ref allele:G

>>Mutated allele: A

UGUCGAACCGCGGUUGUUCGA

||||||||\*||||||||||||

UGUCGAACUGCGGUUGUUCGA

>10601553142, Relative Position:5, Ref allele:C

>>Mutated allele: T

UGUCGAACCGCGGUUGUUCGA

||||\*||||||||||||||||

UGUCAAACCGCGGUUGUUCGA

>10601553145, Relative Position:2, Ref allele:C

>>Mutated allele: T

UGUCGAACCGCGGUUGUUCGA

|\*|||||||||||||||||||

UAUCGAACCGCGGUUGUUCGA

osa-miR439i, Number of SNPs:3

>11015809274, Relative Position:10, Ref allele:C

>>Mutated allele: T

UGUCGAACCGCGGUUGUUCGA

|||||||||\*|||||||||||

UGUCGAACCACGGUUGUUCGA

>11015809275, Relative Position:9, Ref allele:G

>>Mutated allele: A

UGUCGAACCGCGGUUGUUCGA

||||||||\*||||||||||||

UGUCGAACUGCGGUUGUUCGA

>11015809280, Relative Position:4, Ref allele:G

>>Mutated allele: A

UGUCGAACCGCGGUUGUUCGA

|||\*|||||||||||||||||

UGUUGAACCGCGGUUGUUCGA

osa-miR440, Number of SNPs:1

>11109164845, Relative Position:6, Ref allele:G

>>Mutated allele: T

AGUGUCUCCUGAUGAUCGGGACAA

|||||\*||||||||||||||||||

AGUGUAUCCUGAUGAUCGGGACAA

osa-miR443, Number of SNPs:1

>10330021503, Relative Position:18, Ref allele:C

>>Mutated allele: T

AUCACAAUACAAUAAAUCUGGA

|||||||||||||||||\*||||

AUCACAAUACAAUAAAUUUGGA

osa-miR444b.1, Number of SNPs:1

>10222300431, Relative Position:19, Ref allele:C

>>Mutated allele: T

UGUUGUCUCAAGCUUGCUGCC

||||||||||||||||||\*||

UGUUGUCUCAAGCUUGCUACC

osa-miR444f, Number of SNPs:1

>10608941843, Relative Position:6, Ref allele:T

>>Mutated allele: A

UGCAGUUGUUGCCUCAAGCUU

|||||\*|||||||||||||||

UGCAGAUGUUGCCUCAAGCUU

osa-miR5071, Number of SNPs:1

>10804114076, Relative Position:15, Ref allele:C

>>Mutated allele: T

UCAAGCAUCAUAUCGUGGACA

||||||||||||||\*||||||

UCAAGCAUCAUAUCAUGGACA

osa-miR5072, Number of SNPs:8

>10617458739, Relative Position:21, Ref allele:G

>>Mutated allele: T

CGAUUCCCCAGCGGAGUCGCCA

||||||||||||||||||||\*|

CGAUUCCCCAGCGGAGUCGCAA

>10617458740, Relative Position:20, Ref allele:G

>>Mutated allele: A

CGAUUCCCCAGCGGAGUCGCCA

|||||||||||||||||||\*||

CGAUUCCCCAGCGGAGUCGUCA

>10617458744, Relative Position:16, Ref allele:C

>>Mutated allele: T

CGAUUCCCCAGCGGAGUCGCCA

|||||||||||||||\*||||||

CGAUUCCCCAGCGGAAUCGCCA

>10617458748, Relative Position:12, Ref allele:G

>>Mutated allele: A

CGAUUCCCCAGCGGAGUCGCCA

|||||||||||\*||||||||||

CGAUUCCCCAGUGGAGUCGCCA

>10617458749, Relative Position:11, Ref allele:C

>>Mutated allele: T

CGAUUCCCCAGCGGAGUCGCCA

||||||||||\*|||||||||||

CGAUUCCCCAACGGAGUCGCCA

>10617458751, Relative Position:9, Ref allele:G

>>Mutated allele: A

CGAUUCCCCAGCGGAGUCGCCA

||||||||\*|||||||||||||

CGAUUCCCUAGCGGAGUCGCCA

>10617458752, Relative Position:8, Ref allele:G

>>Mutated allele: T

CGAUUCCCCAGCGGAGUCGCCA

|||||||\*||||||||||||||

CGAUUCCACAGCGGAGUCGCCA

>10617458753, Relative Position:7, Ref allele:G

>>Mutated allele: A

CGAUUCCCCAGCGGAGUCGCCA

||||||\*|||||||||||||||

CGAUUCUCCAGCGGAGUCGCCA

osa-miR5073, Number of SNPs:1

>10819020514, Relative Position:10, Ref allele:A

>>Mutated allele: T

GUUUGGUGAAUCGGAAACUAUUU

|||||||||\*|||||||||||||

GUUUGGUGAUUCGGAAACUAUUU

osa-miR5076, Number of SNPs:1

>10143208635, Relative Position:19, Ref allele:C

>>Mutated allele: T

GAAAUGGGAGCAGAGCAGGUUU

||||||||||||||||||\*|||

GAAAUGGGAGCAGAGCAGAUUU

osa-miR5077, Number of SNPs:1

>10314094782, Relative Position:19, Ref allele:A

>>Mutated allele: T

GUUCGCGUCGGGUUCACCA

||||||||||||||||||\*

GUUCGCGUCGGGUUCACCU

osa-miR5080, Number of SNPs:2

>11002322034, Relative Position:17, Ref allele:C

>>Mutated allele: T

AAAAGGAUCAUACCGUGACAG

||||||||||||||||\*||||

AAAAGGAUCAUACCGUAACAG

>11002322038, Relative Position:13, Ref allele:G

>>Mutated allele: A

AAAAGGAUCAUACCGUGACAG

||||||||||||\*||||||||

AAAAGGAUCAUAUCGUGACAG

osa-miR5081, Number of SNPs:2

>10700016905, Relative Position:15, Ref allele:A

>>Mutated allele: G

UAAUUUGUAGCAAAUUGAUAGU

||||||||||||||\*|||||||

UAAUUUGUAGCAAACUGAUAGU

>10700016912, Relative Position:8, Ref allele:A

>>Mutated allele: G

UAAUUUGUAGCAAAUUGAUAGU

|||||||\*||||||||||||||

UAAUUUGCAGCAAAUUGAUAGU

osa-miR5145, Number of SNPs:8

>10140622697, Relative Position:20, Ref allele:C

>>Mutated allele: T

ACCUGUUUGGAUUCUUGAGGGCUA

|||||||||||||||||||\*||||

ACCUGUUUGGAUUCUUGAGAGCUA

>10140622698, Relative Position:19, Ref allele:C

>>Mutated allele: T

ACCUGUUUGGAUUCUUGAGGGCUA

||||||||||||||||||\*|||||

ACCUGUUUGGAUUCUUGAAGGCUA

>10140622700, Relative Position:17, Ref allele:C

>>Mutated allele: T

ACCUGUUUGGAUUCUUGAGGGCUA

||||||||||||||||\*|||||||

ACCUGUUUGGAUUCUUAAGGGCUA

>10140622701, Relative Position:16, Ref allele:A

>>Mutated allele: G

ACCUGUUUGGAUUCUUGAGGGCUA

|||||||||||||||\*||||||||

ACCUGUUUGGAUUCUCGAGGGCUA

>10140622704, Relative Position:13, Ref allele:A

>>Mutated allele: G

ACCUGUUUGGAUUCUUGAGGGCUA

||||||||||||\*|||||||||||

ACCUGUUUGGAUCCUUGAGGGCUA

>10140622708, Relative Position:9, Ref allele:C

>>Mutated allele: T

ACCUGUUUGGAUUCUUGAGGGCUA

||||||||\*|||||||||||||||

ACCUGUUUAGAUUCUUGAGGGCUA

>10140622712, Relative Position:5, Ref allele:C

>>Mutated allele: A

ACCUGUUUGGAUUCUUGAGGGCUA

||||\*|||||||||||||||||||

ACCUUUUUGGAUUCUUGAGGGCUA

>>Mutated allele: T

ACCUGUUUGGAUUCUUGAGGGCUA

||||\*|||||||||||||||||||

ACCUAUUUGGAUUCUUGAGGGCUA

>10140622714, Relative Position:3, Ref allele:G

>>Mutated allele: A

ACCUGUUUGGAUUCUUGAGGGCUA

||\*|||||||||||||||||||||

ACUUGUUUGGAUUCUUGAGGGCUA

osa-miR5146, Number of SNPs:5

>10122418349, Relative Position:6, Ref allele:C

>>Mutated allele: T

UUUAACUAAUGAACCGGCACCUAU

|||||\*||||||||||||||||||

UUUAAUUAAUGAACCGGCACCUAU

>10122418354, Relative Position:11, Ref allele:G

>>Mutated allele: T

UUUAACUAAUGAACCGGCACCUAU

||||||||||\*|||||||||||||

UUUAACUAAUUAACCGGCACCUAU

>10122418359, Relative Position:16, Ref allele:G

>>Mutated allele: A

UUUAACUAAUGAACCGGCACCUAU

|||||||||||||||\*||||||||

UUUAACUAAUGAACCAGCACCUAU

>10122418360, Relative Position:17, Ref allele:G

>>Mutated allele: A

UUUAACUAAUGAACCGGCACCUAU

||||||||||||||||\*|||||||

UUUAACUAAUGAACCGACACCUAU

>10122418361, Relative Position:18, Ref allele:C

>>Mutated allele: T

UUUAACUAAUGAACCGGCACCUAU

|||||||||||||||||\*||||||

UUUAACUAAUGAACCGGUACCUAU

osa-miR5148a, Number of SNPs:4

>10309968955, Relative Position:24, Ref allele:A

>>Mutated allele: G

UGAGGGGUAGAAAUGUCAUAUCAU

|||||||||||||||||||||||\*

UGAGGGGUAGAAAUGUCAUAUCAC

>10309968964, Relative Position:15, Ref allele:C

>>Mutated allele: T

UGAGGGGUAGAAAUGUCAUAUCAU

||||||||||||||\*|||||||||

UGAGGGGUAGAAAUAUCAUAUCAU

>10309968973, Relative Position:6, Ref allele:C

>>Mutated allele: T

UGAGGGGUAGAAAUGUCAUAUCAU

|||||\*||||||||||||||||||

UGAGGAGUAGAAAUGUCAUAUCAU

>10309968977, Relative Position:2, Ref allele:C

>>Mutated allele: T

UGAGGGGUAGAAAUGUCAUAUCAU

|\*||||||||||||||||||||||

UAAGGGGUAGAAAUGUCAUAUCAU

osa-miR5148b, Number of SNPs:3

>10627436701, Relative Position:2, Ref allele:G

>>Mutated allele: C

UGAGGGGUAGAAAUGUCAUAUCAU

|\*||||||||||||||||||||||

UCAGGGGUAGAAAUGUCAUAUCAU

>10627436703, Relative Position:4, Ref allele:G

>>Mutated allele: A

UGAGGGGUAGAAAUGUCAUAUCAU

|||\*||||||||||||||||||||

UGAAGGGUAGAAAUGUCAUAUCAU

>10627436721, Relative Position:22, Ref allele:C

>>Mutated allele: T

UGAGGGGUAGAAAUGUCAUAUCAU

|||||||||||||||||||||\*||

UGAGGGGUAGAAAUGUCAUAUUAU

osa-miR5148c, Number of SNPs:2

>11102813217, Relative Position:15, Ref allele:C

>>Mutated allele: T

UGAGGGGUAGAAAUGUCAUAUCAU

||||||||||||||\*|||||||||

UGAGGGGUAGAAAUAUCAUAUCAU

>11102813222, Relative Position:10, Ref allele:C

>>Mutated allele: G

UGAGGGGUAGAAAUGUCAUAUCAU

|||||||||\*||||||||||||||

UGAGGGGUACAAAUGUCAUAUCAU

osa-miR5149, Number of SNPs:1

>10329756530, Relative Position:20, Ref allele:C

>>Mutated allele: T

GAGGAGCUGUGACGAUUUGGGA

|||||||||||||||||||\*||

GAGGAGCUGUGACGAUUUGAGA

osa-miR5152-3p, Number of SNPs:1

>10528910065, Relative Position:6, Ref allele:T

>>Mutated allele: A

AGACCAUGCCUAUACCUACCA

|||||\*|||||||||||||||

AGACCUUGCCUAUACCUACCA

osa-miR5153, Number of SNPs:1

>10502518536, Relative Position:14, Ref allele:C

>>Mutated allele: T

UGGAUUCCACUGACACGUAGACGU

|||||||||||||\*||||||||||

UGGAUUCCACUGAUACGUAGACGU

osa-miR5154, Number of SNPs:3

>10605263520, Relative Position:4, Ref allele:A

>>Mutated allele: G

AGCACCAGUUGACGUGACGCUGAG

|||\*||||||||||||||||||||

AGCGCCAGUUGACGUGACGCUGAG

>10605263527, Relative Position:11, Ref allele:G

>>Mutated allele: A

AGCACCAGUUGACGUGACGCUGAG

||||||||||\*|||||||||||||

AGCACCAGUUAACGUGACGCUGAG

>10605263528, Relative Position:12, Ref allele:A

>>Mutated allele: C

AGCACCAGUUGACGUGACGCUGAG

|||||||||||\*||||||||||||

AGCACCAGUUGCCGUGACGCUGAG

osa-miR5155, Number of SNPs:1

>10809179613, Relative Position:8, Ref allele:A

>>Mutated allele: T

ACUUUAAUACCAUUGGAAGAUUGC

|||||||\*||||||||||||||||

ACUUUAAAACCAUUGGAAGAUUGC

osa-miR5156, Number of SNPs:1

>10816956086, Relative Position:6, Ref allele:C

>>Mutated allele: T

AGCCUGUAAAACUGCAAAAAGGAA

|||||\*||||||||||||||||||

AGCCUAUAAAACUGCAAAAAGGAA

osa-miR5159, Number of SNPs:2

>11111920778, Relative Position:17, Ref allele:C

>>Mutated allele: T

AACUAGAGUGGGUCAACGGGUACC

||||||||||||||||\*|||||||

AACUAGAGUGGGUCAAUGGGUACC

>11111920779, Relative Position:18, Ref allele:G

>>Mutated allele: T

AACUAGAGUGGGUCAACGGGUACC

|||||||||||||||||\*||||||

AACUAGAGUGGGUCAACUGGUACC

osa-miR531a, Number of SNPs:6

>10801220398, Relative Position:24, Ref allele:A

>>Mutated allele: G

CUCGCCGGGGCUGCGUGCCGCCAU

|||||||||||||||||||||||\*

CUCGCCGGGGCUGCGUGCCGCCAC

>10801220402, Relative Position:20, Ref allele:C

>>Mutated allele: T

CUCGCCGGGGCUGCGUGCCGCCAU

|||||||||||||||||||\*||||

CUCGCCGGGGCUGCGUGCCACCAU

>10801220407, Relative Position:15, Ref allele:C

>>Mutated allele: T

CUCGCCGGGGCUGCGUGCCGCCAU

||||||||||||||\*|||||||||

CUCGCCGGGGCUGCAUGCCGCCAU

>10801220408, Relative Position:14, Ref allele:G

>>Mutated allele: A

CUCGCCGGGGCUGCGUGCCGCCAU

|||||||||||||\*||||||||||

CUCGCCGGGGCUGUGUGCCGCCAU

>10801220409, Relative Position:13, Ref allele:C

>>Mutated allele: T

CUCGCCGGGGCUGCGUGCCGCCAU

||||||||||||\*|||||||||||

CUCGCCGGGGCUACGUGCCGCCAU

>10801220411, Relative Position:11, Ref allele:G

>>Mutated allele: T

CUCGCCGGGGCUGCGUGCCGCCAU

||||||||||\*|||||||||||||

CUCGCCGGGGAUGCGUGCCGCCAU

osa-miR531b, Number of SNPs:2

>10100833970, Relative Position:20, Ref allele:C

>>Mutated allele: T

CUCGCCGGGGCUGCGUGCCG

|||||||||||||||||||\*

CUCGCCGGGGCUGCGUGCCA

>10100833975, Relative Position:15, Ref allele:C

>>Mutated allele: T

CUCGCCGGGGCUGCGUGCCG

||||||||||||||\*|||||

CUCGCCGGGGCUGCAUGCCG

osa-miR531c, Number of SNPs:5

>11126930698, Relative Position:7, Ref allele:G

>>Mutated allele: C

CUCGCCGGGGCUGCGUGCCGCCAU

||||||\*|||||||||||||||||

CUCGCCCGGGCUGCGUGCCGCCAU

>>Mutated allele: A

CUCGCCGGGGCUGCGUGCCGCCAU

||||||\*|||||||||||||||||

CUCGCCAGGGCUGCGUGCCGCCAU

>11126930704, Relative Position:13, Ref allele:G

>>Mutated allele: A

CUCGCCGGGGCUGCGUGCCGCCAU

||||||||||||\*|||||||||||

CUCGCCGGGGCUACGUGCCGCCAU

>11126930705, Relative Position:14, Ref allele:C

>>Mutated allele: T

CUCGCCGGGGCUGCGUGCCGCCAU

|||||||||||||\*||||||||||

CUCGCCGGGGCUGUGUGCCGCCAU

>11126930706, Relative Position:15, Ref allele:G

>>Mutated allele: A

CUCGCCGGGGCUGCGUGCCGCCAU

||||||||||||||\*|||||||||

CUCGCCGGGGCUGCAUGCCGCCAU

>11126930710, Relative Position:19, Ref allele:C

>>Mutated allele: T

CUCGCCGGGGCUGCGUGCCGCCAU

||||||||||||||||||\*|||||

CUCGCCGGGGCUGCGUGCUGCCAU

osa-miR5337b, Number of SNPs:1

>10335885505, Relative Position:7, Ref allele:G

>>Mutated allele: A

CUAGAACGGCAAGCAAUUUGA

||||||\*||||||||||||||

CUAGAAUGGCAAGCAAUUUGA

osa-miR5338, Number of SNPs:2

>10515185831, Relative Position:11, Ref allele:C

>>Mutated allele: T

UGAAGCUUCAGUUGGUUGUAU

||||||||||\*||||||||||

UGAAGCUUCAAUUGGUUGUAU

>10515185833, Relative Position:9, Ref allele:G

>>Mutated allele: A

UGAAGCUUCAGUUGGUUGUAU

||||||||\*||||||||||||

UGAAGCUUUAGUUGGUUGUAU

osa-miR5339, Number of SNPs:1

>10629362803, Relative Position:1, Ref allele:G

>>Mutated allele: A

CAGAUAGAGAAUCUUCUCAGA

\*||||||||||||||||||||

UAGAUAGAGAAUCUUCUCAGA

osa-miR5340, Number of SNPs:2

>10205683393, Relative Position:18, Ref allele:A

>>Mutated allele: G

UGAUGACGUGGAUGAAUUUCAAA

|||||||||||||||||\*|||||

UGAUGACGUGGAUGAAUCUCAAA

>10205683409, Relative Position:2, Ref allele:C

>>Mutated allele: T

UGAUGACGUGGAUGAAUUUCAAA

|\*|||||||||||||||||||||

UAAUGACGUGGAUGAAUUUCAAA

osa-miR5486, Number of SNPs:1

>10326838909, Relative Position:9, Ref allele:G

>>Mutated allele: A

AGGGGCUUGCAUAUUCUACCA

||||||||\*||||||||||||

AGGGGCUUACAUAUUCUACCA

osa-miR5487, Number of SNPs:2

>10417569185, Relative Position:14, Ref allele:T

>>Mutated allele: C

AAAGAUGUGCAUGUAGUUCCG

|||||||||||||\*|||||||

AAAGAUGUGCAUGCAGUUCCG

>10417569191, Relative Position:20, Ref allele:C

>>Mutated allele: T

AAAGAUGUGCAUGUAGUUCCG

|||||||||||||||||||\*|

AAAGAUGUGCAUGUAGUUCUG

osa-miR5488, Number of SNPs:1

>11218039156, Relative Position:16, Ref allele:A

>>Mutated allele: G

UGAAGGCGACUGAUGAUUUCA

|||||||||||||||\*|||||

UGAAGGCGACUGAUGGUUUCA

osa-miR5489, Number of SNPs:1

>11123057507, Relative Position:17, Ref allele:G

>>Mutated allele: A

CAGGUGUUCUCGAUGGCUUCC

||||||||||||||||\*||||

CAGGUGUUCUCGAUGGUUUCC

osa-miR5490, Number of SNPs:3

>11125091583, Relative Position:6, Ref allele:A

>>Mutated allele: T

UUGGAUUUUUAUUUAGGACGG

|||||\*|||||||||||||||

UUGGAAUUUUAUUUAGGACGG

>11125091585, Relative Position:4, Ref allele:C

>>Mutated allele: T

UUGGAUUUUUAUUUAGGACGG

|||\*|||||||||||||||||

UUGAAUUUUUAUUUAGGACGG

>11125091586, Relative Position:3, Ref allele:C

>>Mutated allele: T

UUGGAUUUUUAUUUAGGACGG

||\*||||||||||||||||||

UUAGAUUUUUAUUUAGGACGG

osa-miR5491, Number of SNPs:1

>10906896437, Relative Position:10, Ref allele:G

>>Mutated allele: A

UGAAAUGGAGGCUCGUUGUAC

|||||||||\*|||||||||||

UGAAAUGGAAGCUCGUUGUAC

osa-miR5493, Number of SNPs:2

>10222898272, Relative Position:3, Ref allele:C

>>Mutated allele: T

AGCCGGGCUCGGUCGCGCGUG

||\*||||||||||||||||||

AGUCGGGCUCGGUCGCGCGUG

>10222898275, Relative Position:6, Ref allele:G

>>Mutated allele: A

AGCCGGGCUCGGUCGCGCGUG

|||||\*|||||||||||||||

AGCCGAGCUCGGUCGCGCGUG

osa-miR5495, Number of SNPs:1

>10220298359, Relative Position:18, Ref allele:G

>>Mutated allele: A

AGAGGUCCGGAUCGAACGUAG

|||||||||||||||||\*|||

AGAGGUCCGGAUCGAACAUAG

osa-miR5496, Number of SNPs:1

>10222859781, Relative Position:19, Ref allele:G

>>Mutated allele: A

CCAGCCGGUGGCAUAGUUCUC

||||||||||||||||||\*||

CCAGCCGGUGGCAUAGUUUUC

osa-miR5498, Number of SNPs:2

>10411830824, Relative Position:5, Ref allele:G

>>Mutated allele: A

UGAGCUGUAACACUUGAAGAC

||||\*||||||||||||||||

UGAGUUGUAACACUUGAAGAC

>10411830827, Relative Position:2, Ref allele:C

>>Mutated allele: T

UGAGCUGUAACACUUGAAGAC

|\*|||||||||||||||||||

UAAGCUGUAACACUUGAAGAC

osa-miR5499, Number of SNPs:1

>10417241818, Relative Position:8, Ref allele:G

>>Mutated allele: A

GAAGGAAGAAUCGUUAUGGAA

|||||||\*|||||||||||||

GAAGGAAAAAUCGUUAUGGAA

osa-miR5500, Number of SNPs:2

>10427731096, Relative Position:20, Ref allele:G

>>Mutated allele: A

AUCACUGAUGAAAUCUUGCGGC

|||||||||||||||||||\*||

AUCACUGAUGAAAUCUUGCAGC

>10427731098, Relative Position:22, Ref allele:C

>>Mutated allele: T

AUCACUGAUGAAAUCUUGCGGC

|||||||||||||||||||||\*

AUCACUGAUGAAAUCUUGCGGU

osa-miR5501, Number of SNPs:1

>10428838221, Relative Position:7, Ref allele:G

>>Mutated allele: A

UCUUGUGGCUAGAAGGGUGAG

||||||\*||||||||||||||

UCUUGUAGCUAGAAGGGUGAG

osa-miR5504, Number of SNPs:1

>11017228192, Relative Position:6, Ref allele:G

>>Mutated allele: A

AGUGACGGGAGGACUGCAAGG

|||||\*|||||||||||||||

AGUGAUGGGAGGACUGCAAGG

osa-miR5506, Number of SNPs:1

>11215164830, Relative Position:8, Ref allele:G

>>Mutated allele: A

UGGAUCGCUUCGUCUGAUGGU

|||||||\*|||||||||||||

UGGAUCGUUUCGUCUGAUGGU

osa-miR5507, Number of SNPs:2

>11221019893, Relative Position:16, Ref allele:G

>>Mutated allele: A

AAUGAGAAUGAUGACCCGGUG

|||||||||||||||\*|||||

AAUGAGAAUGAUGACUCGGUG

>11221019902, Relative Position:7, Ref allele:T

>>Mutated allele: C

AAUGAGAAUGAUGACCCGGUG

||||||\*||||||||||||||

AAUGAGGAUGAUGACCCGGUG

osa-miR5508, Number of SNPs:2

>10600638329, Relative Position:17, Ref allele:A

>>Mutated allele: G

UAGAUGGCUGAUCUGGUGUGG

||||||||||||||||\*||||

UAGAUGGCUGAUCUGGCGUGG

>10600638345, Relative Position:1, Ref allele:A

>>Mutated allele: G

UAGAUGGCUGAUCUGGUGUGG

\*||||||||||||||||||||

CAGAUGGCUGAUCUGGUGUGG

osa-miR5510, Number of SNPs:2

>11219128013, Relative Position:16, Ref allele:T

>>Mutated allele: C

AGGCUGAUCCACUCCAGAGGA

|||||||||||||||\*|||||

AGGCUGAUCCACUCCGGAGGA

>11219128020, Relative Position:9, Ref allele:G

>>Mutated allele: A

AGGCUGAUCCACUCCAGAGGA

||||||||\*||||||||||||

AGGCUGAUUCACUCCAGAGGA

osa-miR5512a, Number of SNPs:1

>10418387102, Relative Position:21, Ref allele:A

>>Mutated allele: T

UAGGAUAUGGUAAUGCUAAAA

||||||||||||||||||||\*

UAGGAUAUGGUAAUGCUAAAU

osa-miR5513, Number of SNPs:1

>10334008119, Relative Position:2, Ref allele:A

>>Mutated allele: C

UAACAAAGGACAACAGACUGA

|\*|||||||||||||||||||

UCACAAAGGACAACAGACUGA

osa-miR5514, Number of SNPs:2

>10222840186, Relative Position:16, Ref allele:C

>>Mutated allele: T

UCCCAGAGCUUUGGCCGUCGC

|||||||||||||||\*|||||

UCCCAGAGCUUUGGCUGUCGC

>10222840190, Relative Position:20, Ref allele:G

>>Mutated allele: T

UCCCAGAGCUUUGGCCGUCGC

|||||||||||||||||||\*|

UCCCAGAGCUUUGGCCGUCUC

>>Mutated allele: A

UCCCAGAGCUUUGGCCGUCGC

|||||||||||||||||||\*|

UCCCAGAGCUUUGGCCGUCAC

osa-miR5515, Number of SNPs:1

>10417244242, Relative Position:12, Ref allele:T

>>Mutated allele: A

CCGAUGGUUGUUCUACAGGUG

|||||||||||\*|||||||||

CCGAUGGUUGUACUACAGGUG

osa-miR5516b, Number of SNPs:1

>10513962675, Relative Position:15, Ref allele:T

>>Mutated allele: G

CUCAUUGCUUCGGUAGGCUGG

||||||||||||||\*||||||

CUCAUUGCUUCGGUCGGCUGG

osa-miR5517, Number of SNPs:1

>10624618704, Relative Position:10, Ref allele:C

>>Mutated allele: T

UGCAUCACGGCGCAUAUGUAG

|||||||||\*|||||||||||

UGCAUCACGACGCAUAUGUAG

osa-miR5518, Number of SNPs:1

>10709526447, Relative Position:12, Ref allele:G

>>Mutated allele: A

AUACUCAAACAGGGCAUUGCA

|||||||||||\*|||||||||

AUACUCAAACAAGGCAUUGCA

osa-miR5524, Number of SNPs:4

>10903278309, Relative Position:3, Ref allele:G

>>Mutated allele: A

UGGAAAAUGUGUUCAUGACGG

||\*||||||||||||||||||

UGAAAAAUGUGUUCAUGACGG

>10903278315, Relative Position:9, Ref allele:G

>>Mutated allele: A

UGGAAAAUGUGUUCAUGACGG

||||||||\*||||||||||||

UGGAAAAUAUGUUCAUGACGG

>10903278324, Relative Position:18, Ref allele:A

>>Mutated allele: C

UGGAAAAUGUGUUCAUGACGG

|||||||||||||||||\*|||

UGGAAAAUGUGUUCAUGCCGG

>10903278325, Relative Position:19, Ref allele:C

>>Mutated allele: T

UGGAAAAUGUGUUCAUGACGG

||||||||||||||||||\*||

UGGAAAAUGUGUUCAUGAUGG

osa-miR5526, Number of SNPs:3

>11001584960, Relative Position:4, Ref allele:G

>>Mutated allele: A

AAAGGUAGAGUCAGGUAUGAG

|||\*|||||||||||||||||

AAAAGUAGAGUCAGGUAUGAG

>11001584968, Relative Position:12, Ref allele:C

>>Mutated allele: T

AAAGGUAGAGUCAGGUAUGAG

|||||||||||\*|||||||||

AAAGGUAGAGUUAGGUAUGAG

>11001584977, Relative Position:21, Ref allele:G

>>Mutated allele: C

AAAGGUAGAGUCAGGUAUGAG

||||||||||||||||||||\*

AAAGGUAGAGUCAGGUAUGAC

osa-miR5529, Number of SNPs:1

>11124804941, Relative Position:17, Ref allele:G

>>Mutated allele: A

GUUUCAUCCAUGGACACCGCA

||||||||||||||||\*||||

GUUUCAUCCAUGGACAUCGCA

osa-miR5534a, Number of SNPs:7

>11106404371, Relative Position:13, Ref allele:G

>>Mutated allele: A

UGACGACAACAGCUAGAAUGG

||||||||||||\*||||||||

UGACGACAACAGUUAGAAUGG

>11106404374, Relative Position:10, Ref allele:G

>>Mutated allele: A

UGACGACAACAGCUAGAAUGG

|||||||||\*|||||||||||

UGACGACAAUAGCUAGAAUGG

>11106404375, Relative Position:9, Ref allele:T

>>Mutated allele: C

UGACGACAACAGCUAGAAUGG

||||||||\*||||||||||||

UGACGACAGCAGCUAGAAUGG

>11106404377, Relative Position:7, Ref allele:G

>>Mutated allele: A

UGACGACAACAGCUAGAAUGG

||||||\*||||||||||||||

UGACGAUAACAGCUAGAAUGG

>11106404380, Relative Position:4, Ref allele:G

>>Mutated allele: A

UGACGACAACAGCUAGAAUGG

|||\*|||||||||||||||||

UGAUGACAACAGCUAGAAUGG

>11106404382, Relative Position:2, Ref allele:C

>>Mutated allele: T

UGACGACAACAGCUAGAAUGG

|\*|||||||||||||||||||

UAACGACAACAGCUAGAAUGG

>11106404383, Relative Position:1, Ref allele:A

>>Mutated allele: T

UGACGACAACAGCUAGAAUGG

\*||||||||||||||||||||

AGACGACAACAGCUAGAAUGG

>>Mutated allele: G

UGACGACAACAGCUAGAAUGG

\*||||||||||||||||||||

CGACGACAACAGCUAGAAUGG

osa-miR5534b, Number of SNPs:2

>11106404504, Relative Position:7, Ref allele:G

>>Mutated allele: A

CGAUGACAACAGCUAGAAUGG

||||||\*||||||||||||||

CGAUGAUAACAGCUAGAAUGG

>11106404507, Relative Position:4, Ref allele:A

>>Mutated allele: G

CGAUGACAACAGCUAGAAUGG

|||\*|||||||||||||||||

CGACGACAACAGCUAGAAUGG

osa-miR5535, Number of SNPs:1

>11212446274, Relative Position:19, Ref allele:C

>>Mutated allele: T

UCUGCGUGAUUGAAGUCUGCAU

||||||||||||||||||\*|||

UCUGCGUGAUUGAAGUCUACAU

osa-miR5536, Number of SNPs:3

>10909140173, Relative Position:21, Ref allele:T

>>Mutated allele: C

AAUGGUAGUGACAUUAUGGUAG

||||||||||||||||||||\*|

AAUGGUAGUGACAUUAUGGUGG

>10909140182, Relative Position:12, Ref allele:G

>>Mutated allele: A

AAUGGUAGUGACAUUAUGGUAG

|||||||||||\*||||||||||

AAUGGUAGUGAUAUUAUGGUAG

>10909140190, Relative Position:4, Ref allele:C

>>Mutated allele: T

AAUGGUAGUGACAUUAUGGUAG

|||\*||||||||||||||||||

AAUAGUAGUGACAUUAUGGUAG

osa-miR5537, Number of SNPs:1

>11011112772, Relative Position:12, Ref allele:G

>>Mutated allele: A

AAUGUUUGUAUGGAUCGUUUGU

|||||||||||\*||||||||||

AAUGUUUGUAUAGAUCGUUUGU

osa-miR5538, Number of SNPs:3

>11021337311, Relative Position:19, Ref allele:C

>>Mutated allele: T

ACUGAACUCAAUCACUUGCUGC

||||||||||||||||||\*|||

ACUGAACUCAAUCACUUGUUGC

>11021337312, Relative Position:20, Ref allele:T

>>Mutated allele: A

ACUGAACUCAAUCACUUGCUGC

|||||||||||||||||||\*||

ACUGAACUCAAUCACUUGCAGC

>11021337314, Relative Position:22, Ref allele:C

>>Mutated allele: T

ACUGAACUCAAUCACUUGCUGC

|||||||||||||||||||||\*

ACUGAACUCAAUCACUUGCUGU

osa-miR5540, Number of SNPs:2

>10135552744, Relative Position:15, Ref allele:G

>>Mutated allele: A

UUGUGCGAGAUCGACGGUAUA

||||||||||||||\*||||||

UUGUGCGAGAUCGAUGGUAUA

>10135552747, Relative Position:12, Ref allele:G

>>Mutated allele: A

UUGUGCGAGAUCGACGGUAUA

|||||||||||\*|||||||||

UUGUGCGAGAUUGACGGUAUA

osa-miR5541, Number of SNPs:1

>10210239122, Relative Position:15, Ref allele:G

>>Mutated allele: C

UCAAGUGGUGUACUCUAAAGA

||||||||||||||\*||||||

UCAAGUGGUGUACUGUAAAGA

osa-miR5542, Number of SNPs:6

>10432797728, Relative Position:20, Ref allele:T

>>Mutated allele: C

UUUGAGAAGGUAUCAUGAGAU

|||||||||||||||||||\*|

UUUGAGAAGGUAUCAUGAGGU

>10432797731, Relative Position:17, Ref allele:C

>>Mutated allele: A

UUUGAGAAGGUAUCAUGAGAU

||||||||||||||||\*||||

UUUGAGAAGGUAUCAUUAGAU

>10432797734, Relative Position:14, Ref allele:G

>>Mutated allele: A

UUUGAGAAGGUAUCAUGAGAU

|||||||||||||\*|||||||

UUUGAGAAGGUAUUAUGAGAU

>10432797735, Relative Position:13, Ref allele:A

>>Mutated allele: G

UUUGAGAAGGUAUCAUGAGAU

||||||||||||\*||||||||

UUUGAGAAGGUACCAUGAGAU

>10432797741, Relative Position:7, Ref allele:T

>>Mutated allele: C

UUUGAGAAGGUAUCAUGAGAU

||||||\*||||||||||||||

UUUGAGGAGGUAUCAUGAGAU

>10432797742, Relative Position:6, Ref allele:C

>>Mutated allele: T

UUUGAGAAGGUAUCAUGAGAU

|||||\*|||||||||||||||

UUUGAAAAGGUAUCAUGAGAU

osa-miR5544, Number of SNPs:3

>10219335014, Relative Position:4, Ref allele:A

>>Mutated allele: G

AGAACACGGAGUAGAAGUUGGU

|||\*||||||||||||||||||

AGAGCACGGAGUAGAAGUUGGU

>10219335017, Relative Position:7, Ref allele:C

>>Mutated allele: T

AGAACACGGAGUAGAAGUUGGU

||||||\*|||||||||||||||

AGAACAUGGAGUAGAAGUUGGU

>10219335027, Relative Position:17, Ref allele:G

>>Mutated allele: A

AGAACACGGAGUAGAAGUUGGU

||||||||||||||||\*|||||

AGAACACGGAGUAGAAAUUGGU

osa-miR5788, Number of SNPs:1

>10330006972, Relative Position:10, Ref allele:C

>>Mutated allele: T

UGGAUGUGACAUACUCUAGUA

|||||||||\*|||||||||||

UGGAUGUGAUAUACUCUAGUA

osa-miR5790, Number of SNPs:5

>11107740117, Relative Position:18, Ref allele:C

>>Mutated allele: T

AAGACGAUCCUAGCAGAGCUUCAU

|||||||||||||||||\*||||||

AAGACGAUCCUAGCAGAACUUCAU

>11107740118, Relative Position:17, Ref allele:T

>>Mutated allele: C

AAGACGAUCCUAGCAGAGCUUCAU

||||||||||||||||\*|||||||

AAGACGAUCCUAGCAGGGCUUCAU

>11107740120, Relative Position:15, Ref allele:T

>>Mutated allele: C

AAGACGAUCCUAGCAGAGCUUCAU

||||||||||||||\*|||||||||

AAGACGAUCCUAGCGGAGCUUCAU

>11107740130, Relative Position:5, Ref allele:G

>>Mutated allele: A

AAGACGAUCCUAGCAGAGCUUCAU

||||\*|||||||||||||||||||

AAGAUGAUCCUAGCAGAGCUUCAU

>11107740132, Relative Position:3, Ref allele:C

>>Mutated allele: T

AAGACGAUCCUAGCAGAGCUUCAU

||\*|||||||||||||||||||||

AAAACGAUCCUAGCAGAGCUUCAU

osa-miR5792, Number of SNPs:4

>11011842888, Relative Position:1, Ref allele:G

>>Mutated allele: A

GAUGACAGCGGUGGUUCGGACAUC

\*|||||||||||||||||||||||

AAUGACAGCGGUGGUUCGGACAUC

>11011842895, Relative Position:8, Ref allele:G

>>Mutated allele: A

GAUGACAGCGGUGGUUCGGACAUC

|||||||\*||||||||||||||||

GAUGACAACGGUGGUUCGGACAUC

>11011842896, Relative Position:9, Ref allele:C

>>Mutated allele: T

GAUGACAGCGGUGGUUCGGACAUC

||||||||\*|||||||||||||||

GAUGACAGUGGUGGUUCGGACAUC

>11011842904, Relative Position:17, Ref allele:C

>>Mutated allele: T

GAUGACAGCGGUGGUUCGGACAUC

||||||||||||||||\*|||||||

GAUGACAGCGGUGGUUUGGACAUC

osa-miR5795, Number of SNPs:2

>10911103948, Relative Position:20, Ref allele:C

>>Mutated allele: A

AUGUCGAGGUCGAGUUCCCGGC

|||||||||||||||||||\*||

AUGUCGAGGUCGAGUUCCCUGC

>>Mutated allele: T

AUGUCGAGGUCGAGUUCCCGGC

|||||||||||||||||||\*||

AUGUCGAGGUCGAGUUCCCAGC

>10911103963, Relative Position:5, Ref allele:G

>>Mutated allele: A

AUGUCGAGGUCGAGUUCCCGGC

||||\*|||||||||||||||||

AUGUUGAGGUCGAGUUCCCGGC

osa-miR5797, Number of SNPs:2

>10817084781, Relative Position:5, Ref allele:G

>>Mutated allele: T

UCGUGGGAUUUAUGCAGUUAA

||||\*||||||||||||||||

UCGUUGGAUUUAUGCAGUUAA

>10817084792, Relative Position:16, Ref allele:A

>>Mutated allele: G

UCGUGGGAUUUAUGCAGUUAA

|||||||||||||||\*|||||

UCGUGGGAUUUAUGCGGUUAA

osa-miR5798, Number of SNPs:2

>10706672135, Relative Position:16, Ref allele:G

>>Mutated allele: T

CUGGACUACAAGAUCCCGGAU

|||||||||||||||\*|||||

CUGGACUACAAGAUCACGGAU

>10706672141, Relative Position:10, Ref allele:T

>>Mutated allele: G

CUGGACUACAAGAUCCCGGAU

|||||||||\*|||||||||||

CUGGACUACCAGAUCCCGGAU

osa-miR5799, Number of SNPs:4

>10610732177, Relative Position:5, Ref allele:C

>>Mutated allele: T

AAGACGAAUAAUCAAACGUUGGAC

||||\*|||||||||||||||||||

AAGAUGAAUAAUCAAACGUUGGAC

>10610732181, Relative Position:9, Ref allele:T

>>Mutated allele: C

AAGACGAAUAAUCAAACGUUGGAC

||||||||\*|||||||||||||||

AAGACGAACAAUCAAACGUUGGAC

>10610732189, Relative Position:17, Ref allele:C

>>Mutated allele: T

AAGACGAAUAAUCAAACGUUGGAC

||||||||||||||||\*|||||||

AAGACGAAUAAUCAAAUGUUGGAC

>10610732190, Relative Position:18, Ref allele:G

>>Mutated allele: A

AAGACGAAUAAUCAAACGUUGGAC

|||||||||||||||||\*||||||

AAGACGAAUAAUCAAACAUUGGAC

osa-miR5800, Number of SNPs:1

>11124921151, Relative Position:20, Ref allele:C

>>Mutated allele: T

CCCGGCUAUCGGAACGGCUGC

|||||||||||||||||||\*|

CCCGGCUAUCGGAACGGCUAC

osa-miR5801, Number of SNPs:5

>11219318264, Relative Position:19, Ref allele:C

>>Mutated allele: T

ACCAAAUCGUUUUCGAUCGUUGGA

||||||||||||||||||\*|||||

ACCAAAUCGUUUUCGAUCAUUGGA

>11219318265, Relative Position:18, Ref allele:G

>>Mutated allele: T

ACCAAAUCGUUUUCGAUCGUUGGA

|||||||||||||||||\*||||||

ACCAAAUCGUUUUCGAUAGUUGGA

>>Mutated allele: C

ACCAAAUCGUUUUCGAUCGUUGGA

|||||||||||||||||\*||||||

ACCAAAUCGUUUUCGAUGGUUGGA

>11219318271, Relative Position:12, Ref allele:A

>>Mutated allele: G

ACCAAAUCGUUUUCGAUCGUUGGA

|||||||||||\*||||||||||||

ACCAAAUCGUUCUCGAUCGUUGGA

>11219318274, Relative Position:9, Ref allele:C

>>Mutated allele: T

ACCAAAUCGUUUUCGAUCGUUGGA

||||||||\*|||||||||||||||

ACCAAAUCAUUUUCGAUCGUUGGA

>>Mutated allele: A

ACCAAAUCGUUUUCGAUCGUUGGA

||||||||\*|||||||||||||||

ACCAAAUCUUUUUCGAUCGUUGGA

>11219318282, Relative Position:1, Ref allele:T

>>Mutated allele: C

ACCAAAUCGUUUUCGAUCGUUGGA

\*|||||||||||||||||||||||

GCCAAAUCGUUUUCGAUCGUUGGA

osa-miR5802, Number of SNPs:1

>10113088746, Relative Position:14, Ref allele:T

>>Mutated allele: G

AUGGACUGUACUUUGUAAAGCGGA

|||||||||||||\*||||||||||

AUGGACUGUACUUGGUAAAGCGGA

osa-miR5803, Number of SNPs:4

>10430231551, Relative Position:8, Ref allele:T

>>Mutated allele: C

ACCACUGUAGACGCUACGUGUGAG

|||||||\*||||||||||||||||

ACCACUGCAGACGCUACGUGUGAG

>10430231555, Relative Position:12, Ref allele:C

>>Mutated allele: T

ACCACUGUAGACGCUACGUGUGAG

|||||||||||\*||||||||||||

ACCACUGUAGAUGCUACGUGUGAG

>10430231557, Relative Position:14, Ref allele:C

>>Mutated allele: T

ACCACUGUAGACGCUACGUGUGAG

|||||||||||||\*||||||||||

ACCACUGUAGACGUUACGUGUGAG

>10430231567, Relative Position:24, Ref allele:G

>>Mutated allele: A

ACCACUGUAGACGCUACGUGUGAG

|||||||||||||||||||||||\*

ACCACUGUAGACGCUACGUGUGAA

osa-miR5805, Number of SNPs:1

>11213821863, Relative Position:24, Ref allele:C

>>Mutated allele: A

ACGAGUGAUGGCGGCGUAUACCUG

|||||||||||||||||||||||\*

ACGAGUGAUGGCGGCGUAUACCUU

osa-miR5807, Number of SNPs:2

>10803597820, Relative Position:20, Ref allele:C

>>Mutated allele: A

AGGAGGUCUGGAGAGUUAUGUGGC

|||||||||||||||||||\*||||

AGGAGGUCUGGAGAGUUAUUUGGC

>10803597832, Relative Position:8, Ref allele:G

>>Mutated allele: C

AGGAGGUCUGGAGAGUUAUGUGGC

|||||||\*||||||||||||||||

AGGAGGUGUGGAGAGUUAUGUGGC

osa-miR5808, Number of SNPs:2

>10918739268, Relative Position:13, Ref allele:C

>>Mutated allele: T

ACUAAAUCGUUUCUGAUCGUUGGA

||||||||||||\*|||||||||||

ACUAAAUCGUUUUUGAUCGUUGGA

>10918739273, Relative Position:18, Ref allele:C

>>Mutated allele: T

ACUAAAUCGUUUCUGAUCGUUGGA

|||||||||||||||||\*||||||

ACUAAAUCGUUUCUGAUUGUUGGA

osa-miR5809, Number of SNPs:3

>10423527615, Relative Position:17, Ref allele:G

>>Mutated allele: A

UCGUCGCCGGCGACCACAGC

||||||||||||||||\*|||

UCGUCGCCGGCGACCAUAGC

>10423527621, Relative Position:11, Ref allele:G

>>Mutated allele: T

UCGUCGCCGGCGACCACAGC

||||||||||\*|||||||||

UCGUCGCCGGAGACCACAGC

>10423527626, Relative Position:6, Ref allele:C

>>Mutated allele: T

UCGUCGCCGGCGACCACAGC

|||||\*||||||||||||||

UCGUCACCGGCGACCACAGC

osa-miR5810, Number of SNPs:2

>11207333304, Relative Position:22, Ref allele:G

>>Mutated allele: A

ACGGAACCCUAAUGGCGAUGGCAU

|||||||||||||||||||||\*||

ACGGAACCCUAAUGGCGAUGGUAU

>11207333309, Relative Position:17, Ref allele:C

>>Mutated allele: T

ACGGAACCCUAAUGGCGAUGGCAU

||||||||||||||||\*|||||||

ACGGAACCCUAAUGGCAAUGGCAU

osa-miR5811, Number of SNPs:3

>10313198040, Relative Position:21, Ref allele:C

>>Mutated allele: T

CCUAACCUAGGAGUUCGAUGGGAC

||||||||||||||||||||\*|||

CCUAACCUAGGAGUUCGAUGAGAC

>10313198045, Relative Position:16, Ref allele:G

>>Mutated allele: C

CCUAACCUAGGAGUUCGAUGGGAC

|||||||||||||||\*||||||||

CCUAACCUAGGAGUUGGAUGGGAC

>10313198050, Relative Position:11, Ref allele:C

>>Mutated allele: T

CCUAACCUAGGAGUUCGAUGGGAC

||||||||||\*|||||||||||||

CCUAACCUAGAAGUUCGAUGGGAC

osa-miR5812, Number of SNPs:3

>10111846177, Relative Position:23, Ref allele:G

>>Mutated allele: A

AGCAACGAUUUUAAGAUUGUGGCA

||||||||||||||||||||||\*|

AGCAACGAUUUUAAGAUUGUGGUA

>10111846181, Relative Position:19, Ref allele:C

>>Mutated allele: T

AGCAACGAUUUUAAGAUUGUGGCA

||||||||||||||||||\*|||||

AGCAACGAUUUUAAGAUUAUGGCA

>10111846197, Relative Position:3, Ref allele:G

>>Mutated allele: A

AGCAACGAUUUUAAGAUUGUGGCA

||\*|||||||||||||||||||||

AGUAACGAUUUUAAGAUUGUGGCA

osa-miR5816, Number of SNPs:2

>10911584067, Relative Position:19, Ref allele:G

>>Mutated allele: A

UAGGAGUGUUUGUAGGAGCGCCAC

||||||||||||||||||\*|||||

UAGGAGUGUUUGUAGGAGUGCCAC

>10911584074, Relative Position:12, Ref allele:C

>>Mutated allele: T

UAGGAGUGUUUGUAGGAGCGCCAC

|||||||||||\*||||||||||||

UAGGAGUGUUUAUAGGAGCGCCAC

osa-miR5817, Number of SNPs:1

>10105990155, Relative Position:21, Ref allele:G

>>Mutated allele: A

AUCGAAUUUGAAAGAAAAAGGUAU

||||||||||||||||||||\*|||

AUCGAAUUUGAAAGAAAAAGAUAU

osa-miR5818, Number of SNPs:1

>10413157364, Relative Position:16, Ref allele:C

>>Mutated allele: T

UCGAACUAGAAGGGCCAGGUU

|||||||||||||||\*|||||

UCGAACUAGAAGGGCUAGGUU

osa-miR5819, Number of SNPs:2

>10129695869, Relative Position:18, Ref allele:G

>>Mutated allele: A

AGGACGAGGGGAACGGCGGCG

|||||||||||||||||\*|||

AGGACGAGGGGAACGGCAGCG

>10129695872, Relative Position:21, Ref allele:G

>>Mutated allele: A

AGGACGAGGGGAACGGCGGCG

||||||||||||||||||||\*

AGGACGAGGGGAACGGCGGCA

osa-miR5820, Number of SNPs:3

>11013982662, Relative Position:5, Ref allele:A

>>Mutated allele: T

UGGCAGAGAUUGAUCGAGGAA

||||\*||||||||||||||||

UGGCUGAGAUUGAUCGAGGAA

>11013982664, Relative Position:7, Ref allele:A

>>Mutated allele: T

UGGCAGAGAUUGAUCGAGGAA

||||||\*||||||||||||||

UGGCAGUGAUUGAUCGAGGAA

>11013982670, Relative Position:13, Ref allele:A

>>Mutated allele: G

UGGCAGAGAUUGAUCGAGGAA

||||||||||||\*||||||||

UGGCAGAGAUUGGUCGAGGAA

osa-miR5821, Number of SNPs:3

>11224605438, Relative Position:5, Ref allele:C

>>Mutated allele: T

UGGACGGAGCGAUGGUGGGCG

||||\*||||||||||||||||

UGGAUGGAGCGAUGGUGGGCG

>11224605446, Relative Position:13, Ref allele:T

>>Mutated allele: C

UGGACGGAGCGAUGGUGGGCG

||||||||||||\*||||||||

UGGACGGAGCGACGGUGGGCG

>11224605453, Relative Position:20, Ref allele:C

>>Mutated allele: G

UGGACGGAGCGAUGGUGGGCG

|||||||||||||||||||\*|

UGGACGGAGCGAUGGUGGGGG

osa-miR5822, Number of SNPs:2

>11126335954, Relative Position:9, Ref allele:C

>>Mutated allele: T

UGUCUGCUCGAUGUCAGGUUG

||||||||\*||||||||||||

UGUCUGCUUGAUGUCAGGUUG

>11126335961, Relative Position:16, Ref allele:A

>>Mutated allele: C

UGUCUGCUCGAUGUCAGGUUG

|||||||||||||||\*|||||

UGUCUGCUCGAUGUCCGGUUG

osa-miR5824, Number of SNPs:6

>10101761542, Relative Position:22, Ref allele:G

>>Mutated allele: A

AGUCUGAUAAGAAGUCAAUGGCGU

|||||||||||||||||||||\*||

AGUCUGAUAAGAAGUCAAUGGUGU

>10101761543, Relative Position:21, Ref allele:C

>>Mutated allele: T

AGUCUGAUAAGAAGUCAAUGGCGU

||||||||||||||||||||\*|||

AGUCUGAUAAGAAGUCAAUGACGU

>10101761544, Relative Position:20, Ref allele:C

>>Mutated allele: A

AGUCUGAUAAGAAGUCAAUGGCGU

|||||||||||||||||||\*||||

AGUCUGAUAAGAAGUCAAUUGCGU

>10101761548, Relative Position:16, Ref allele:G

>>Mutated allele: A

AGUCUGAUAAGAAGUCAAUGGCGU

|||||||||||||||\*||||||||

AGUCUGAUAAGAAGUUAAUGGCGU

>10101761550, Relative Position:14, Ref allele:C

>>Mutated allele: T

AGUCUGAUAAGAAGUCAAUGGCGU

|||||||||||||\*||||||||||

AGUCUGAUAAGAAAUCAAUGGCGU

>10101761553, Relative Position:11, Ref allele:C

>>Mutated allele: T

AGUCUGAUAAGAAGUCAAUGGCGU

||||||||||\*|||||||||||||

AGUCUGAUAAAAAGUCAAUGGCGU

osa-miR5825, Number of SNPs:4

>10523591567, Relative Position:23, Ref allele:C

>>Mutated allele: T

AAAACAUCUGAUAACCUGAAACGG

||||||||||||||||||||||\*|

AAAACAUCUGAUAACCUGAAACAG

>10523591580, Relative Position:10, Ref allele:C

>>Mutated allele: T

AAAACAUCUGAUAACCUGAAACGG

|||||||||\*||||||||||||||

AAAACAUCUAAUAACCUGAAACGG

>10523591582, Relative Position:8, Ref allele:G

>>Mutated allele: A

AAAACAUCUGAUAACCUGAAACGG

|||||||\*||||||||||||||||

AAAACAUUUGAUAACCUGAAACGG

>>Mutated allele: T

AAAACAUCUGAUAACCUGAAACGG

|||||||\*||||||||||||||||

AAAACAUAUGAUAACCUGAAACGG

>10523591584, Relative Position:6, Ref allele:T

>>Mutated allele: C

AAAACAUCUGAUAACCUGAAACGG

|||||\*||||||||||||||||||

AAAACGUCUGAUAACCUGAAACGG

osa-miR5826, Number of SNPs:1

>11112859229, Relative Position:23, Ref allele:G

>>Mutated allele: A

UAGCCCAAAGUGAGAAGAGUGGGU

||||||||||||||||||||||\*|

UAGCCCAAAGUGAGAAGAGUGGAU

osa-miR5827, Number of SNPs:2

>10430082051, Relative Position:17, Ref allele:G

>>Mutated allele: T

UUUGUUGCAAUUUGGACUACC

||||||||||||||||\*||||

UUUGUUGCAAUUUGGAAUACC

>10430082066, Relative Position:2, Ref allele:A

>>Mutated allele: G

UUUGUUGCAAUUUGGACUACC

|\*|||||||||||||||||||

UCUGUUGCAAUUUGGACUACC

osa-miR5828, Number of SNPs:3

>10616015704, Relative Position:4, Ref allele:C

>>Mutated allele: T

UUACGGCAUUAAAAGUAAAUC

|||\*|||||||||||||||||

UUAUGGCAUUAAAAGUAAAUC

>10616015705, Relative Position:5, Ref allele:G

>>Mutated allele: A

UUACGGCAUUAAAAGUAAAUC

||||\*||||||||||||||||

UUACAGCAUUAAAAGUAAAUC

>10616015707, Relative Position:7, Ref allele:C

>>Mutated allele: T

UUACGGCAUUAAAAGUAAAUC

||||||\*||||||||||||||

UUACGGUAUUAAAAGUAAAUC

osa-miR5829, Number of SNPs:1

>10620149385, Relative Position:9, Ref allele:C

>>Mutated allele: T

AUCAGGACCAGUAGGCGAUGGUAA

||||||||\*|||||||||||||||

AUCAGGACUAGUAGGCGAUGGUAA

osa-miR5830, Number of SNPs:2

>10104352609, Relative Position:13, Ref allele:A

>>Mutated allele: C

AUGUAGAUGAGGUGAUGUUACACA

||||||||||||\*|||||||||||

AUGUAGAUGAGGGGAUGUUACACA

>10104352616, Relative Position:6, Ref allele:C

>>Mutated allele: T

AUGUAGAUGAGGUGAUGUUACACA

|||||\*||||||||||||||||||

AUGUAAAUGAGGUGAUGUUACACA

osa-miR5831, Number of SNPs:7

>10528577955, Relative Position:10, Ref allele:T

>>Mutated allele: C

UAGUCAAACUUAGAAUAGUUGGAC

|||||||||\*||||||||||||||

UAGUCAAACCUAGAAUAGUUGGAC

>10528577957, Relative Position:12, Ref allele:A

>>Mutated allele: T

UAGUCAAACUUAGAAUAGUUGGAC

|||||||||||\*||||||||||||

UAGUCAAACUUUGAAUAGUUGGAC

>10528577958, Relative Position:13, Ref allele:G

>>Mutated allele: C

UAGUCAAACUUAGAAUAGUUGGAC

||||||||||||\*|||||||||||

UAGUCAAACUUACAAUAGUUGGAC

>>Mutated allele: A

UAGUCAAACUUAGAAUAGUUGGAC

||||||||||||\*|||||||||||

UAGUCAAACUUAAAAUAGUUGGAC

>10528577959, Relative Position:14, Ref allele:A

>>Mutated allele: T

UAGUCAAACUUAGAAUAGUUGGAC

|||||||||||||\*||||||||||

UAGUCAAACUUAGUAUAGUUGGAC

>10528577963, Relative Position:18, Ref allele:G

>>Mutated allele: A

UAGUCAAACUUAGAAUAGUUGGAC

|||||||||||||||||\*||||||

UAGUCAAACUUAGAAUAAUUGGAC

>10528577966, Relative Position:21, Ref allele:G

>>Mutated allele: T

UAGUCAAACUUAGAAUAGUUGGAC

||||||||||||||||||||\*|||

UAGUCAAACUUAGAAUAGUUUGAC

>10528577967, Relative Position:22, Ref allele:G

>>Mutated allele: A

UAGUCAAACUUAGAAUAGUUGGAC

|||||||||||||||||||||\*||

UAGUCAAACUUAGAAUAGUUGAAC

osa-miR5832, Number of SNPs:1

>11221169067, Relative Position:10, Ref allele:C

>>Mutated allele: T

UUGGCGGAGCGGUUGCUGUCA

|||||||||\*|||||||||||

UUGGCGGAGUGGUUGCUGUCA

osa-miR5833, Number of SNPs:7

>10509341273, Relative Position:18, Ref allele:C

>>Mutated allele: T

UCCUCCUCGGGCUCAUCGGGC

|||||||||||||||||\*|||

UCCUCCUCGGGCUCAUCAGGC

>10509341274, Relative Position:17, Ref allele:G

>>Mutated allele: A

UCCUCCUCGGGCUCAUCGGGC

||||||||||||||||\*||||

UCCUCCUCGGGCUCAUUGGGC

>10509341276, Relative Position:15, Ref allele:T

>>Mutated allele: C

UCCUCCUCGGGCUCAUCGGGC

||||||||||||||\*||||||

UCCUCCUCGGGCUCGUCGGGC

>10509341282, Relative Position:9, Ref allele:C

>>Mutated allele: T

UCCUCCUCGGGCUCAUCGGGC

||||||||\*||||||||||||

UCCUCCUCAGGCUCAUCGGGC

>10509341285, Relative Position:6, Ref allele:G

>>Mutated allele: C

UCCUCCUCGGGCUCAUCGGGC

|||||\*|||||||||||||||

UCCUCGUCGGGCUCAUCGGGC

>10509341286, Relative Position:5, Ref allele:G

>>Mutated allele: A

UCCUCCUCGGGCUCAUCGGGC

||||\*||||||||||||||||

UCCUUCUCGGGCUCAUCGGGC

>10509341289, Relative Position:2, Ref allele:G

>>Mutated allele: A

UCCUCCUCGGGCUCAUCGGGC

|\*|||||||||||||||||||

UUCUCCUCGGGCUCAUCGGGC

osa-miR5835, Number of SNPs:3

>10619306950, Relative Position:11, Ref allele:T

>>Mutated allele: C

ACGAAACCAUAGGGAUUUUGGCAU

||||||||||\*|||||||||||||

ACGAAACCAUGGGGAUUUUGGCAU

>10619306954, Relative Position:7, Ref allele:G

>>Mutated allele: A

ACGAAACCAUAGGGAUUUUGGCAU

||||||\*|||||||||||||||||

ACGAAAUCAUAGGGAUUUUGGCAU

>10619306959, Relative Position:2, Ref allele:G

>>Mutated allele: A

ACGAAACCAUAGGGAUUUUGGCAU

|\*||||||||||||||||||||||

AUGAAACCAUAGGGAUUUUGGCAU

osa-miR5836, Number of SNPs:2

>10617701926, Relative Position:20, Ref allele:T

>>Mutated allele: A

UGAGCAGCCGGACCAUGGGAU

|||||||||||||||||||\*|

UGAGCAGCCGGACCAUGGGUU

>10617701932, Relative Position:14, Ref allele:G

>>Mutated allele: A

UGAGCAGCCGGACCAUGGGAU

|||||||||||||\*|||||||

UGAGCAGCCGGACUAUGGGAU

osa-miR5837.1, Number of SNPs:2

>11124702161, Relative Position:21, Ref allele:A

>>Mutated allele: T

AUGUUGGAAUGACAUGCAGCU

||||||||||||||||||||\*

AUGUUGGAAUGACAUGCAGCA

>11124702169, Relative Position:13, Ref allele:G

>>Mutated allele: C

AUGUUGGAAUGACAUGCAGCU

||||||||||||\*||||||||

AUGUUGGAAUGAGAUGCAGCU

osa-miR5837.2, Number of SNPs:1

>11124702191, Relative Position:12, Ref allele:C

>>Mutated allele: T

GGUGAUGUGGAGCGUUCGGCA

|||||||||||\*|||||||||

GGUGAUGUGGAACGUUCGGCA

osa-miR6245, Number of SNPs:2

>10216647896, Relative Position:13, Ref allele:G

>>Mutated allele: A

AGUAUAGGUGUCGGCUCUAUU

||||||||||||\*||||||||

AGUAUAGGUGUCAGCUCUAUU

>10216647897, Relative Position:14, Ref allele:G

>>Mutated allele: A

AGUAUAGGUGUCGGCUCUAUU

|||||||||||||\*|||||||

AGUAUAGGUGUCGACUCUAUU

osa-miR6248, Number of SNPs:1

>10332573009, Relative Position:7, Ref allele:T

>>Mutated allele: C

UAUUUGAGGAUGGAGGUAGUA

||||||\*||||||||||||||

UAUUUGGGGAUGGAGGUAGUA

osa-miR6249a, Number of SNPs:1

>10300744682, Relative Position:9, Ref allele:C

>>Mutated allele: G

CGUGAAGAGCUCGCCGGCGGC

||||||||\*||||||||||||

CGUGAAGACCUCGCCGGCGGC

osa-miR6250, Number of SNPs:1

>10628264729, Relative Position:21, Ref allele:A

>>Mutated allele: T

GGGGAUAGAUCGACGCGUCAAG

||||||||||||||||||||\*|

GGGGAUAGAUCGACGCGUCAUG

osa-miR6252, Number of SNPs:6

>11218110557, Relative Position:20, Ref allele:C

>>Mutated allele: T

AUUCGUUGUAUUAAGAGAGGGUU

|||||||||||||||||||\*|||

AUUCGUUGUAUUAAGAGAGAGUU

>11218110559, Relative Position:18, Ref allele:T

>>Mutated allele: A

AUUCGUUGUAUUAAGAGAGGGUU

|||||||||||||||||\*|||||

AUUCGUUGUAUUAAGAGUGGGUU

>11218110562, Relative Position:15, Ref allele:C

>>Mutated allele: T

AUUCGUUGUAUUAAGAGAGGGUU

||||||||||||||\*||||||||

AUUCGUUGUAUUAAAAGAGGGUU

>11218110563, Relative Position:14, Ref allele:T

>>Mutated allele: C

AUUCGUUGUAUUAAGAGAGGGUU

|||||||||||||\*|||||||||

AUUCGUUGUAUUAGGAGAGGGUU

>11218110569, Relative Position:8, Ref allele:C

>>Mutated allele: T

AUUCGUUGUAUUAAGAGAGGGUU

|||||||\*|||||||||||||||

AUUCGUUAUAUUAAGAGAGGGUU

>11218110573, Relative Position:4, Ref allele:G

>>Mutated allele: A

AUUCGUUGUAUUAAGAGAGGGUU

|||\*|||||||||||||||||||

AUUUGUUGUAUUAAGAGAGGGUU

osa-miR7692-3p, Number of SNPs:2

>10126250486, Relative Position:13, Ref allele:C

>>Mutated allele: T

UGACUUGGCAUGCUUACGUGGCAC

||||||||||||\*|||||||||||

UGACUUGGCAUGUUUACGUGGCAC

>10126250488, Relative Position:15, Ref allele:T

>>Mutated allele: C

UGACUUGGCAUGCUUACGUGGCAC

||||||||||||||\*|||||||||

UGACUUGGCAUGCUCACGUGGCAC

osa-miR7692-5p, Number of SNPs:5

>10126250213, Relative Position:4, Ref allele:C

>>Mutated allele: T

GAUCCAAAAAAGUGCCACGUGAGC

|||\*||||||||||||||||||||

GAUUCAAAAAAGUGCCACGUGAGC

>10126250214, Relative Position:5, Ref allele:C

>>Mutated allele: T

GAUCCAAAAAAGUGCCACGUGAGC

||||\*|||||||||||||||||||

GAUCUAAAAAAGUGCCACGUGAGC

>10126250221, Relative Position:12, Ref allele:G

>>Mutated allele: C

GAUCCAAAAAAGUGCCACGUGAGC

|||||||||||\*||||||||||||

GAUCCAAAAAACUGCCACGUGAGC

>10126250224, Relative Position:15, Ref allele:C

>>Mutated allele: T

GAUCCAAAAAAGUGCCACGUGAGC

||||||||||||||\*|||||||||

GAUCCAAAAAAGUGUCACGUGAGC

>10126250228, Relative Position:19, Ref allele:G

>>Mutated allele: A

GAUCCAAAAAAGUGCCACGUGAGC

||||||||||||||||||\*|||||

GAUCCAAAAAAGUGCCACAUGAGC

osa-miR7695-3p, Number of SNPs:6

>10111666853, Relative Position:20, Ref allele:G

>>Mutated allele: A

ACGUGAUGUGCCACGUAGGCA

|||||||||||||||||||\*|

ACGUGAUGUGCCACGUAGGUA

>10111666854, Relative Position:19, Ref allele:C

>>Mutated allele: T

ACGUGAUGUGCCACGUAGGCA

||||||||||||||||||\*||

ACGUGAUGUGCCACGUAGACA

>10111666861, Relative Position:12, Ref allele:G

>>Mutated allele: A

ACGUGAUGUGCCACGUAGGCA

|||||||||||\*|||||||||

ACGUGAUGUGCUACGUAGGCA

>10111666866, Relative Position:7, Ref allele:A

>>Mutated allele: G

ACGUGAUGUGCCACGUAGGCA

||||||\*||||||||||||||

ACGUGACGUGCCACGUAGGCA

>10111666867, Relative Position:6, Ref allele:T

>>Mutated allele: C

ACGUGAUGUGCCACGUAGGCA

|||||\*|||||||||||||||

ACGUGGUGUGCCACGUAGGCA

>10111666868, Relative Position:5, Ref allele:C

>>Mutated allele: T

ACGUGAUGUGCCACGUAGGCA

||||\*||||||||||||||||

ACGUAAUGUGCCACGUAGGCA

osa-miR7695-5p, Number of SNPs:1

>10111667064, Relative Position:3, Ref allele:G

>>Mutated allele: A

UGCCUAUGUGGCACGCCACGUGAA

||\*|||||||||||||||||||||

UGUCUAUGUGGCACGCCACGUGAA

osa-miR810b.1, Number of SNPs:3

>11100959635, Relative Position:19, Ref allele:T

>>Mutated allele: C

UGAACACCGAUAUGCGUCAUC

||||||||||||||||||\*||

UGAACACCGAUAUGCGUCGUC

>11100959640, Relative Position:14, Ref allele:C

>>Mutated allele: T

UGAACACCGAUAUGCGUCAUC

|||||||||||||\*|||||||

UGAACACCGAUAUACGUCAUC

>11100959650, Relative Position:4, Ref allele:T

>>Mutated allele: C

UGAACACCGAUAUGCGUCAUC

|||\*|||||||||||||||||

UGAGCACCGAUAUGCGUCAUC

osa-miR810b.2, Number of SNPs:1

>11100959622, Relative Position:8, Ref allele:A

>>Mutated allele: G

AAGUGAUUUAAUUAUGCCGUU

|||||||\*|||||||||||||

AAGUGAUCUAAUUAUGCCGUU

osa-miR812a, Number of SNPs:4

>10133947325, Relative Position:1, Ref allele:G

>>Mutated allele: A

GACGGACGGUUAAACGUUGGAC

\*|||||||||||||||||||||

AACGGACGGUUAAACGUUGGAC

>10133947335, Relative Position:11, Ref allele:T

>>Mutated allele: C

GACGGACGGUUAAACGUUGGAC

||||||||||\*|||||||||||

GACGGACGGUCAAACGUUGGAC

>10133947339, Relative Position:15, Ref allele:C

>>Mutated allele: T

GACGGACGGUUAAACGUUGGAC

||||||||||||||\*|||||||

GACGGACGGUUAAAUGUUGGAC

>10133947346, Relative Position:22, Ref allele:C

>>Mutated allele: T

GACGGACGGUUAAACGUUGGAC

|||||||||||||||||||||\*

GACGGACGGUUAAACGUUGGAU

osa-miR812b, Number of SNPs:1

>10201936334, Relative Position:20, Ref allele:C

>>Mutated allele: T

GACGGACGGUUAAACGUUGGAC

|||||||||||||||||||\*||

GACGGACGGUUAAACGUUGAAC

osa-miR812c, Number of SNPs:3

>10626260444, Relative Position:5, Ref allele:G

>>Mutated allele: A

GACGGACGGUUAAACGUUGGAC

||||\*|||||||||||||||||

GACGAACGGUUAAACGUUGGAC

>10626260446, Relative Position:7, Ref allele:C

>>Mutated allele: T

GACGGACGGUUAAACGUUGGAC

||||||\*|||||||||||||||

GACGGAUGGUUAAACGUUGGAC

>10626260450, Relative Position:11, Ref allele:T

>>Mutated allele: C

GACGGACGGUUAAACGUUGGAC

||||||||||\*|||||||||||

GACGGACGGUCAAACGUUGGAC

osa-miR812d, Number of SNPs:2

>10722395354, Relative Position:4, Ref allele:G

>>Mutated allele: A

GACGGACGGUUAAACGUUGGAC

|||\*||||||||||||||||||

GACAGACGGUUAAACGUUGGAC

>10722395355, Relative Position:5, Ref allele:G

>>Mutated allele: A

GACGGACGGUUAAACGUUGGAC

||||\*|||||||||||||||||

GACGAACGGUUAAACGUUGGAC

osa-miR812e, Number of SNPs:4

>10816401292, Relative Position:7, Ref allele:C

>>Mutated allele: T

GACGGACGGUUAAACGUUGGAC

||||||\*|||||||||||||||

GACGGAUGGUUAAACGUUGGAC

>10816401296, Relative Position:11, Ref allele:T

>>Mutated allele: C

GACGGACGGUUAAACGUUGGAC

||||||||||\*|||||||||||

GACGGACGGUCAAACGUUGGAC

>10816401301, Relative Position:16, Ref allele:G

>>Mutated allele: A

GACGGACGGUUAAACGUUGGAC

|||||||||||||||\*||||||

GACGGACGGUUAAACAUUGGAC

>10816401304, Relative Position:19, Ref allele:G

>>Mutated allele: A

GACGGACGGUUAAACGUUGGAC

||||||||||||||||||\*|||

GACGGACGGUUAAACGUUAGAC

>>Mutated allele: T

GACGGACGGUUAAACGUUGGAC

||||||||||||||||||\*|||

GACGGACGGUUAAACGUUUGAC

osa-miR812f, Number of SNPs:5

>10413243649, Relative Position:2, Ref allele:C

>>Mutated allele: T

ACGGAUGAUUAAAGUUGGACACGG

|\*||||||||||||||||||||||

AUGGAUGAUUAAAGUUGGACACGG

>10413243650, Relative Position:3, Ref allele:G

>>Mutated allele: A

ACGGAUGAUUAAAGUUGGACACGG

||\*|||||||||||||||||||||

ACAGAUGAUUAAAGUUGGACACGG

>10413243661, Relative Position:14, Ref allele:G

>>Mutated allele: A

ACGGAUGAUUAAAGUUGGACACGG

|||||||||||||\*||||||||||

ACGGAUGAUUAAAAUUGGACACGG

>10413243669, Relative Position:22, Ref allele:C

>>Mutated allele: T

ACGGAUGAUUAAAGUUGGACACGG

|||||||||||||||||||||\*||

ACGGAUGAUUAAAGUUGGACAUGG

>10413243671, Relative Position:24, Ref allele:G

>>Mutated allele: A

ACGGAUGAUUAAAGUUGGACACGG

|||||||||||||||||||||||\*

ACGGAUGAUUAAAGUUGGACACGA

osa-miR812g, Number of SNPs:2

>10305230187, Relative Position:3, Ref allele:G

>>Mutated allele: A

AAGACGGAUGAUUAAAGUUGGACA

||\*|||||||||||||||||||||

AAAACGGAUGAUUAAAGUUGGACA

>10305230204, Relative Position:20, Ref allele:G

>>Mutated allele: A

AAGACGGAUGAUUAAAGUUGGACA

|||||||||||||||||||\*||||

AAGACGGAUGAUUAAAGUUAGACA

osa-miR812h, Number of SNPs:1

>10301164968, Relative Position:20, Ref allele:C

>>Mutated allele: T

AAGACGGAUGAUUAAAGUUGGACA

|||||||||||||||||||\*||||

AAGACGGAUGAUUAAAGUUAGACA

osa-miR812i, Number of SNPs:2

>10722152503, Relative Position:3, Ref allele:G

>>Mutated allele: A

AAGACGGAUGAUUAAAGUUGGACA

||\*|||||||||||||||||||||

AAAACGGAUGAUUAAAGUUGGACA

>10722152505, Relative Position:5, Ref allele:C

>>Mutated allele: T

AAGACGGAUGAUUAAAGUUGGACA

||||\*|||||||||||||||||||

AAGAUGGAUGAUUAAAGUUGGACA

osa-miR812j, Number of SNPs:3

>10819806534, Relative Position:3, Ref allele:G

>>Mutated allele: A

AAGACGGAUGAUUAAAGUUGGACA

||\*|||||||||||||||||||||

AAAACGGAUGAUUAAAGUUGGACA

>10819806536, Relative Position:5, Ref allele:C

>>Mutated allele: T

AAGACGGAUGAUUAAAGUUGGACA

||||\*|||||||||||||||||||

AAGAUGGAUGAUUAAAGUUGGACA

>10819806554, Relative Position:23, Ref allele:C

>>Mutated allele: T

AAGACGGAUGAUUAAAGUUGGACA

||||||||||||||||||||||\*|

AAGACGGAUGAUUAAAGUUGGAUA

osa-miR812n-3p, Number of SNPs:2

>10814108089, Relative Position:18, Ref allele:G

>>Mutated allele: A

ACGGAAAAUCAUGGCUGCACUUAA

|||||||||||||||||\*||||||

ACGGAAAAUCAUGGCUGUACUUAA

>10814108097, Relative Position:10, Ref allele:G

>>Mutated allele: A

ACGGAAAAUCAUGGCUGCACUUAA

|||||||||\*||||||||||||||

ACGGAAAAUUAUGGCUGCACUUAA

osa-miR812n-5p, Number of SNPs:2

>10814108259, Relative Position:23, Ref allele:C

>>Mutated allele: T

AAGUGCAGCCAUGAGUUUCCGUGC

||||||||||||||||||||||\*|

AAGUGCAGCCAUGAGUUUCCGUAC

>10814108272, Relative Position:10, Ref allele:G

>>Mutated allele: A

AAGUGCAGCCAUGAGUUUCCGUGC

|||||||||\*||||||||||||||

AAGUGCAGCUAUGAGUUUCCGUGC

osa-miR812p, Number of SNPs:2

>10825426161, Relative Position:1, Ref allele:G

>>Mutated allele: A

GACGGACGAUUAAAGUUGGGCAUG

\*|||||||||||||||||||||||

AACGGACGAUUAAAGUUGGGCAUG

>10825426164, Relative Position:4, Ref allele:G

>>Mutated allele: A

GACGGACGAUUAAAGUUGGGCAUG

|||\*||||||||||||||||||||

GACAGACGAUUAAAGUUGGGCAUG

osa-miR812q, Number of SNPs:6

>11018223590, Relative Position:2, Ref allele:C

>>Mutated allele: A

ACGUUGGGUACGAAUAUCUACGGC

|\*||||||||||||||||||||||

AAGUUGGGUACGAAUAUCUACGGC

>>Mutated allele: T

ACGUUGGGUACGAAUAUCUACGGC

|\*||||||||||||||||||||||

AUGUUGGGUACGAAUAUCUACGGC

>11018223595, Relative Position:7, Ref allele:G

>>Mutated allele: A

ACGUUGGGUACGAAUAUCUACGGC

||||||\*|||||||||||||||||

ACGUUGAGUACGAAUAUCUACGGC

>11018223597, Relative Position:9, Ref allele:T

>>Mutated allele: C

ACGUUGGGUACGAAUAUCUACGGC

||||||||\*|||||||||||||||

ACGUUGGGCACGAAUAUCUACGGC

>11018223601, Relative Position:13, Ref allele:A

>>Mutated allele: G

ACGUUGGGUACGAAUAUCUACGGC

||||||||||||\*|||||||||||

ACGUUGGGUACGGAUAUCUACGGC

>11018223610, Relative Position:22, Ref allele:G

>>Mutated allele: A

ACGUUGGGUACGAAUAUCUACGGC

|||||||||||||||||||||\*||

ACGUUGGGUACGAAUAUCUACAGC

>11018223611, Relative Position:23, Ref allele:G

>>Mutated allele: A

ACGUUGGGUACGAAUAUCUACGGC

||||||||||||||||||||||\*|

ACGUUGGGUACGAAUAUCUACGAC

osa-miR812r, Number of SNPs:11

>11118809926, Relative Position:2, Ref allele:C

>>Mutated allele: T

ACGUUAGACACGAAUUUCUACGGC

|\*||||||||||||||||||||||

AUGUUAGACACGAAUUUCUACGGC

>11118809927, Relative Position:3, Ref allele:G

>>Mutated allele: A

ACGUUAGACACGAAUUUCUACGGC

||\*|||||||||||||||||||||

ACAUUAGACACGAAUUUCUACGGC

>11118809930, Relative Position:6, Ref allele:A

>>Mutated allele: G

ACGUUAGACACGAAUUUCUACGGC

|||||\*||||||||||||||||||

ACGUUGGACACGAAUUUCUACGGC

>11118809931, Relative Position:7, Ref allele:G

>>Mutated allele: A

ACGUUAGACACGAAUUUCUACGGC

||||||\*|||||||||||||||||

ACGUUAAACACGAAUUUCUACGGC

>11118809933, Relative Position:9, Ref allele:C

>>Mutated allele: T

ACGUUAGACACGAAUUUCUACGGC

||||||||\*|||||||||||||||

ACGUUAGAUACGAAUUUCUACGGC

>11118809935, Relative Position:11, Ref allele:C

>>Mutated allele: T

ACGUUAGACACGAAUUUCUACGGC

||||||||||\*|||||||||||||

ACGUUAGACAUGAAUUUCUACGGC

>11118809936, Relative Position:12, Ref allele:G

>>Mutated allele: A

ACGUUAGACACGAAUUUCUACGGC

|||||||||||\*||||||||||||

ACGUUAGACACAAAUUUCUACGGC

>11118809941, Relative Position:17, Ref allele:T

>>Mutated allele: C

ACGUUAGACACGAAUUUCUACGGC

||||||||||||||||\*|||||||

ACGUUAGACACGAAUUCCUACGGC

>11118809943, Relative Position:19, Ref allele:T

>>Mutated allele: C

ACGUUAGACACGAAUUUCUACGGC

||||||||||||||||||\*|||||

ACGUUAGACACGAAUUUCCACGGC

>11118809946, Relative Position:22, Ref allele:G

>>Mutated allele: T

ACGUUAGACACGAAUUUCUACGGC

|||||||||||||||||||||\*||

ACGUUAGACACGAAUUUCUACUGC

>11118809948, Relative Position:24, Ref allele:C

>>Mutated allele: T

ACGUUAGACACGAAUUUCUACGGC

|||||||||||||||||||||||\*

ACGUUAGACACGAAUUUCUACGGU

osa-miR812t, Number of SNPs:5

>10617370242, Relative Position:19, Ref allele:T

>>Mutated allele: C

ACGGAAAAUCAUGGCUGCACUUAA

||||||||||||||||||\*|||||

ACGGAAAAUCAUGGCUGCGCUUAA

>10617370246, Relative Position:15, Ref allele:G

>>Mutated allele: A

ACGGAAAAUCAUGGCUGCACUUAA

||||||||||||||\*|||||||||

ACGGAAAAUCAUGGUUGCACUUAA

>10617370248, Relative Position:13, Ref allele:C

>>Mutated allele: T

ACGGAAAAUCAUGGCUGCACUUAA

||||||||||||\*|||||||||||

ACGGAAAAUCAUAGCUGCACUUAA

>10617370257, Relative Position:4, Ref allele:C

>>Mutated allele: T

ACGGAAAAUCAUGGCUGCACUUAA

|||\*||||||||||||||||||||

ACGAAAAAUCAUGGCUGCACUUAA

>10617370259, Relative Position:2, Ref allele:G

>>Mutated allele: A

ACGGAAAAUCAUGGCUGCACUUAA

|\*||||||||||||||||||||||

AUGGAAAAUCAUGGCUGCACUUAA

osa-miR812u, Number of SNPs:5

>11108663592, Relative Position:23, Ref allele:T

>>Mutated allele: C

ACGGAAAAUCAUGGCUGCACUUAA

||||||||||||||||||||||\*|

ACGGAAAAUCAUGGCUGCACUUGA

>11108663600, Relative Position:15, Ref allele:G

>>Mutated allele: T

ACGGAAAAUCAUGGCUGCACUUAA

||||||||||||||\*|||||||||

ACGGAAAAUCAUGGAUGCACUUAA

>11108663601, Relative Position:14, Ref allele:C

>>Mutated allele: G

ACGGAAAAUCAUGGCUGCACUUAA

|||||||||||||\*||||||||||

ACGGAAAAUCAUGCCUGCACUUAA

>11108663605, Relative Position:10, Ref allele:G

>>Mutated allele: A

ACGGAAAAUCAUGGCUGCACUUAA

|||||||||\*||||||||||||||

ACGGAAAAUUAUGGCUGCACUUAA

>11108663611, Relative Position:4, Ref allele:C

>>Mutated allele: T

ACGGAAAAUCAUGGCUGCACUUAA

|||\*||||||||||||||||||||

ACGAAAAAUCAUGGCUGCACUUAA

osa-miR812v, Number of SNPs:2

>10518432849, Relative Position:20, Ref allele:C

>>Mutated allele: T

AUGGCUGCACUUAAAAUGGGACGG

|||||||||||||||||||\*||||

AUGGCUGCACUUAAAAUGGAACGG

>10518432856, Relative Position:13, Ref allele:T

>>Mutated allele: C

AUGGCUGCACUUAAAAUGGGACGG

||||||||||||\*|||||||||||

AUGGCUGCACUUGAAAUGGGACGG

osa-miR814a, Number of SNPs:5

>10122375053, Relative Position:6, Ref allele:C

>>Mutated allele: T

CACUUCAUAGUACAACGAAUCU

|||||\*||||||||||||||||

CACUUUAUAGUACAACGAAUCU

>10122375061, Relative Position:14, Ref allele:A

>>Mutated allele: C

CACUUCAUAGUACAACGAAUCU

|||||||||||||\*||||||||

CACUUCAUAGUACCACGAAUCU

>10122375063, Relative Position:16, Ref allele:C

>>Mutated allele: T

CACUUCAUAGUACAACGAAUCU

|||||||||||||||\*||||||

CACUUCAUAGUACAAUGAAUCU

>10122375068, Relative Position:21, Ref allele:C

>>Mutated allele: A

CACUUCAUAGUACAACGAAUCU

||||||||||||||||||||\*|

CACUUCAUAGUACAACGAAUAU

>10122375069, Relative Position:22, Ref allele:T

>>Mutated allele: C

CACUUCAUAGUACAACGAAUCU

|||||||||||||||||||||\*

CACUUCAUAGUACAACGAAUCC

osa-miR814b, Number of SNPs:5

>10226341223, Relative Position:2, Ref allele:A

>>Mutated allele: G

CACUUCAUAGUACAACGAAUCU

|\*||||||||||||||||||||

CGCUUCAUAGUACAACGAAUCU

>10226341224, Relative Position:3, Ref allele:C

>>Mutated allele: T

CACUUCAUAGUACAACGAAUCU

||\*|||||||||||||||||||

CAUUUCAUAGUACAACGAAUCU

>10226341231, Relative Position:10, Ref allele:G

>>Mutated allele: A

CACUUCAUAGUACAACGAAUCU

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CACUUCAUAAUACAACGAAUCU

>10226341234, Relative Position:13, Ref allele:C

>>Mutated allele: T

CACUUCAUAGUACAACGAAUCU

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CACUUCAUAGUAUAACGAAUCU

>10226341237, Relative Position:16, Ref allele:C

>>Mutated allele: T

CACUUCAUAGUACAACGAAUCU

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CACUUCAUAGUACAAUGAAUCU

osa-miR814c, Number of SNPs:5

>10210889728, Relative Position:16, Ref allele:G

>>Mutated allele: A

CACUUCAUAGUACAACGAAUCU

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CACUUCAUAGUACAAUGAAUCU

>10210889732, Relative Position:12, Ref allele:T

>>Mutated allele: C

CACUUCAUAGUACAACGAAUCU

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CACUUCAUAGUGCAACGAAUCU

>10210889738, Relative Position:6, Ref allele:G

>>Mutated allele: A

CACUUCAUAGUACAACGAAUCU

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CACUUUAUAGUACAACGAAUCU

>10210889739, Relative Position:5, Ref allele:A

>>Mutated allele: G

CACUUCAUAGUACAACGAAUCU

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CACUCCAUAGUACAACGAAUCU

>10210889743, Relative Position:1, Ref allele:G

>>Mutated allele: A

CACUUCAUAGUACAACGAAUCU

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UACUUCAUAGUACAACGAAUCU

osa-miR815b, Number of SNPs:1

>10514992306, Relative Position:1, Ref allele:A

>>Mutated allele: C

AAGGGGAUUGAGGAGAUUGGG

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CAGGGGAUUGAGGAGAUUGGG

osa-miR815c, Number of SNPs:3

>10705426889, Relative Position:20, Ref allele:C

>>Mutated allele: T

AAGGGGAUUGAGGAGAUUGGG

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AAGGGGAUUGAGGAGAUUGAG

>10705426894, Relative Position:15, Ref allele:C

>>Mutated allele: T

AAGGGGAUUGAGGAGAUUGGG

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AAGGGGAUUGAGGAAAUUGGG

>10705426905, Relative Position:4, Ref allele:C

>>Mutated allele: T

AAGGGGAUUGAGGAGAUUGGG

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AAGAGGAUUGAGGAGAUUGGG

osa-miR817, Number of SNPs:2

>10212276379, Relative Position:11, Ref allele:C

>>Mutated allele: G

UCCAACUUGAGGCCCGAUUGA

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UCCAACUUGACGCCCGAUUGA

>10212276386, Relative Position:4, Ref allele:T

>>Mutated allele: C

UCCAACUUGAGGCCCGAUUGA

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UCCGACUUGAGGCCCGAUUGA

osa-miR818a, Number of SNPs:4

>10140415542, Relative Position:5, Ref allele:C

>>Mutated allele: A

AAUCCCUUAUAUUAUGGGACGG

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AAUCACUUAUAUUAUGGGACGG

>>Mutated allele: T

AAUCCCUUAUAUUAUGGGACGG

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AAUCUCUUAUAUUAUGGGACGG

>10140415543, Relative Position:6, Ref allele:C

>>Mutated allele: A

AAUCCCUUAUAUUAUGGGACGG

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AAUCCAUUAUAUUAUGGGACGG

>10140415553, Relative Position:16, Ref allele:G

>>Mutated allele: A

AAUCCCUUAUAUUAUGGGACGG

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AAUCCCUUAUAUUAUAGGACGG

>10140415555, Relative Position:18, Ref allele:G

>>Mutated allele: A

AAUCCCUUAUAUUAUGGGACGG

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AAUCCCUUAUAUUAUGGAACGG

osa-miR818b, Number of SNPs:2

>10204007282, Relative Position:5, Ref allele:C

>>Mutated allele: T

AAUCCCUUAUAUUAUGGGACGG

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AAUCUCUUAUAUUAUGGGACGG

>10204007295, Relative Position:18, Ref allele:G

>>Mutated allele: A

AAUCCCUUAUAUUAUGGGACGG

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AAUCCCUUAUAUUAUGGAACGG

osa-miR818d, Number of SNPs:2

>10434969187, Relative Position:16, Ref allele:C

>>Mutated allele: T

AAUCCCUUAUAUUAUGGGACGG

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AAUCCCUUAUAUUAUAGGACGG

>10434969198, Relative Position:5, Ref allele:G

>>Mutated allele: T

AAUCCCUUAUAUUAUGGGACGG

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AAUCACUUAUAUUAUGGGACGG

>>Mutated allele: A

AAUCCCUUAUAUUAUGGGACGG

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AAUCUCUUAUAUUAUGGGACGG

osa-miR818e, Number of SNPs:1

>10728154441, Relative Position:16, Ref allele:C

>>Mutated allele: T

AAUCCCUUAUAUUAUGGGACGG

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AAUCCCUUAUAUUAUAGGACGG

osa-miR818f, Number of SNPs:3

>10818746597, Relative Position:17, Ref allele:C

>>Mutated allele: G

GGGAGCAUGUAGGAUGGCCAU

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GGGAGCAUGUAGGAUGCCCAU

>10818746606, Relative Position:8, Ref allele:A

>>Mutated allele: G

GGGAGCAUGUAGGAUGGCCAU

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GGGAGCACGUAGGAUGGCCAU

>10818746608, Relative Position:6, Ref allele:G

>>Mutated allele: A

GGGAGCAUGUAGGAUGGCCAU

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GGGAGUAUGUAGGAUGGCCAU

osa-miR820a, Number of SNPs:1

>10114130487, Relative Position:5, Ref allele:C

>>Mutated allele: T

UCGGCCUCGUGGAUGGACCAG

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UCGGUCUCGUGGAUGGACCAG

osa-miR820b, Number of SNPs:3

>10713120707, Relative Position:19, Ref allele:G

>>Mutated allele: A

UCGGCCUCGUGGAUGGACCAG

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UCGGCCUCGUGGAUGGACUAG

>10713120715, Relative Position:11, Ref allele:C

>>Mutated allele: T

UCGGCCUCGUGGAUGGACCAG

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UCGGCCUCGUAGAUGGACCAG

>10713120721, Relative Position:5, Ref allele:G

>>Mutated allele: A

UCGGCCUCGUGGAUGGACCAG

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UCGGUCUCGUGGAUGGACCAG

osa-miR820c, Number of SNPs:4

>11006928686, Relative Position:2, Ref allele:C

>>Mutated allele: T

UCGGCCUCGUGGAUGGACCAG

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UUGGCCUCGUGGAUGGACCAG

>11006928697, Relative Position:13, Ref allele:A

>>Mutated allele: T

UCGGCCUCGUGGAUGGACCAG

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UCGGCCUCGUGGUUGGACCAG

>11006928700, Relative Position:16, Ref allele:G

>>Mutated allele: A

UCGGCCUCGUGGAUGGACCAG

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UCGGCCUCGUGGAUGAACCAG

>11006928705, Relative Position:21, Ref allele:G

>>Mutated allele: T

UCGGCCUCGUGGAUGGACCAG

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UCGGCCUCGUGGAUGGACCAU

osa-miR821a, Number of SNPs:1

>10322974252, Relative Position:14, Ref allele:A

>>Mutated allele: C

AAGUCAUCAACAAAAAAGUUGAAU

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AAGUCAUCAACAACAAAGUUGAAU

>>Mutated allele: T

AAGUCAUCAACAAAAAAGUUGAAU

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AAGUCAUCAACAAUAAAGUUGAAU

osa-miR821b, Number of SNPs:1

>10716417258, Relative Position:14, Ref allele:A

>>Mutated allele: C

AAGUCAUCAACAAAAAAGUUGAAU

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AAGUCAUCAACAACAAAGUUGAAU

osa-miR821c, Number of SNPs:1

>10819925371, Relative Position:14, Ref allele:T

>>Mutated allele: G

AAGUCAUCAACAAAAAAGUUGAAU

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AAGUCAUCAACAACAAAGUUGAAU