

| CircRNA Mirbase ID | CircRNA (Top) - miRNA (Bottom) pairing | Site Type | CircRNA Start |
|--|--|--------------|---------------|
| hsa_circ_0104670 (5' ... 3') | <pre> UGCUUUUUGUACAGCCUGCAGAA CCUUCGGUAGUUCAGCGACGUCC </pre> | 7mer-1a | 2159 |
| hsa-miR-1184 (3' ... 5') | <pre> UGACUUCACUGGGGCCUGCAGAC CCUUCGGUAGUUCAGC--GACGUCC </pre> | 7mer-1a | 4183 |
| hsa_circ_0104670 (5' ... 3') | <pre> GAGGCUGGGCAUUCAGUGUCCUA UCUUCAUCUGGUACACAGGAU </pre> | 8mer-1a | 1752 |
| hsa-miR-1197 (3' ... 5') | <pre> AUAUGGUUAGAUCU-GUGUCCUC UCUUCAUCUGGUACACAGGAU </pre> | 7mer-m8 | 1848 |
| hsa_circ_0104670 (5' ... 3') | | | |

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| hsa_circ_0104670 (5' ... 3') | UGUUGCCUUCUAGCUGUGUCCUC | 7mer-m8 | 2336 |
| hsa-miR-1197 (3' ... 5') | UCUUCAUCUGGUACACAGGAU | | |
| hsa_circ_0104670 (5' ... 3') | CUCCUAAAGGCCCAUGUCCUAA | 7mer-1a | 2418 |
| hsa-miR-1197 (3' ... 5') | UCUUCAUCUGGUACACAGGAU | | |
| hsa_circ_0104670 (5' ... 3') | CCAGUACAGUGAGGGUGUCCUC | 7mer-m8 | 3482 |
| hsa-miR-1197 (3' ... 5') | UCUUCAUCUGGUACACAGGAU | | |
| hsa_circ_0104670 (5' ... 3') | GCCAAGCCCGUCUUGUCAGGAAC | 7mer-1a | 3565 |
| hsa-miR-1200 (3' ... 5') | CUCCGAGUCUUACCGAGUCCUC | | |
| hsa_circ_0104670 (5' ... 3') | AGGGUUUCCUGGUGUCAGGAC | 7mer-m8 | 3764 |

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| hsa-miR-1200 (3' ... 5') | CUCCGAGUCUUACCGAGUCCUC | | |
| hsa circ 0104670 (5' ... 3') | CUGUGGUCCCAGCUACUCCGGAG | | 7mer-1a 441 |
| hsa-miR-1203 (3' ... 5') | CUCGACGUAGGACCGAGGCC | | |
| hsa circ 0104670 (5' ... 3') | AUGCUIUUUGUACAGCCUGCAGA | | 8mer-1a 2158 |
| hsa-miR-1205 (3' ... 5') | GAGUUUCGUUUGGACGUCU | | |
| hsa circ 0104670 (5' ... 3') | GUCUCAUUCGUUGGACCUGCAGG | | 7mer-m8 4102 |
| hsa-miR-1205 (3' ... 5') | GAGUUUCGUUUGGACGUCU | | |
| hsa circ 0104670 (5' ... 3') | CUGACUUCACUGGGGCCUGCAGA | | 8mer-1a 4182 |
| hsa-miR-1205 (3' ... 5') | GAGUUUCGUUUGGACGUCU | | |
| hsa circ 0104670 (5' ... 3') | UUGGAGCACACUGU-AUGAACAG | | |

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| hsa-miR-1206 (3' ... 5') | <p style="text-align: center;"> </p> <p style="text-align: center;">CGAAUUUGUAGAUGUACUUGU</p> | 7mer-1a | 143 |
| hsa circ 0104670 (5' ... 3') | <p style="text-align: center;">GAGGUGGGAGAAUGGCAUGAACC</p> <p style="text-align: center;"> </p> | 7mer-m8 | 467 |
| hsa-miR-1206 (3' ... 5') | <p style="text-align: center;">CGAAUUUGUAGAUGUACUUGU</p> | | |
| hsa circ 0104670 (5' ... 3') | <p style="text-align: center;">CUACUCCGGAGGCUG-AGGUGGGA</p> <p style="text-align: center;"> </p> | 8mer-1a | 453 |
| hsa-miR-1224-3p (3' ... 5') | <p style="text-align: center;">GACUCCUCUCUCCUCCACCCC</p> | | |
| hsa circ 0104670 (5' ... 3') | <p style="text-align: center;">CCAGUCACUAAAUUAGGGUCAC</p> <p style="text-align: center;"> </p> | 7mer-1a | 2676 |
| hsa-miR-1225-3p (3' ... 5') | <p style="text-align: center;">GACCCCCGCCGUGUCCCGAGU</p> | | |
| hsa circ 0104670 (5' ... 3') | <p style="text-align: center;">AGAGGUGGUCUCAGAAGGUGUGG</p> <p style="text-align: center;"> </p> | 7mer-m8 | 1157 |
| hsa-miR-1228 (3' ... 5') | <p style="text-align: center;">CCCCCGCUCCGUCCACACU</p> | | |

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| hsa_circ_0104670 (5' ... 3') | CUUUUGCAGUCAUAGGGUGUGAU | 7mer-1a | 3645 |
| hsa-miR-1228 (3' ... 5') | CCCCCGCUCCGUCCACACU | | |
| hsa_circ_0104670 (5' ... 3') | GUAUUAAAAGGCCUC--AGGUGUGG | 7mer-m8 | 3838 |
| hsa-miR-1228 (3' ... 5') | CCCCCGCUCCGUCCACACU | | |
| hsa_circ_0104670 (5' ... 3') | UGAUGUUGC UAAAAGUGAGAAG | 7mer-1a | 2852 |
| hsa-miR-1229 (3' ... 5') | GACACCCUCCCGUCCACACUCUC | | |
| hsa_circ_0104670 (5' ... 3') | ACCAGUCACUAAAAGGGCUCA | 8mer-1a | 2675 |
| hsa-miR-1233 (3' ... 5') | GACGCCCUCCUGUCCCGAGU | | |
| hsa_circ_0104670 (5' ... 3') | AGAUGUAAAAAGGAGGAGAGG | 7mer-m8 | 2927 |

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| hsa-miR-1236 (3' ... 5') | GACCUCUCUGUCCCCUUCUC | | |
| hsa circ 0104670 (5' ... 3') | UCUUAUUCUUAGGGUGGAAGAGA | 8mer-1a | 3611 |
| hsa-miR-1236 (3' ... 5') | GACCUCUCUGUCCCCUUCUC | | |
| hsa circ 0104670 (5' ... 3') | CGUGGGGAGAGCUU-GGAAGAGC | 7mer-m8 | 3707 |
| hsa-miR-1236 (3' ... 5') | GACCUCUCUGUCCCCUUCUC | | |
| hsa circ 0104670 (5' ... 3') | GAAGAUUCCCUUGGAGGAAAU | 7mer-1a | 4904 |
| hsa-miR-1238 (3' ... 5') | CCCCGUCUGUCUCUCCUUC | | |
| hsa circ 0104670 (5' ... 3') | GGCAUUCAGUGUCCUAAUCCA | 7mer-m8 | 1759 |
| hsa-miR-1246 (3' ... 5') | GGACGAGUUUUUAGGUAA | | |
| hsa circ 0104670 (5' ... 3') | UCGAUAACAUUUAAAAUCCA | | |

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| hsa-miR-1246 (3' ... 5') | <pre> GGACGAGGUUUUUAGGUAA </pre> | 7mer-m8 | 684 |
| hsa circ 0104670 (5' ... 3') | <pre> UGAUUAUUUAGCCAGAUCCAUAU </pre> | | |
| hsa-miR-1246 (3' ... 5') | <pre> GGACGAGGUUUUUAGGUAA </pre> | 7mer-1a | 773 |
| hsa circ 0104670 (5' ... 3') | <pre> GGUGGCGUCGAGACAGGGCGAG </pre> | | |
| hsa-miR-1249 (3' ... 5') | <pre> ACUUCUCCCCCCCUCGCA </pre> | 7mer-1a | 63 |
| hsa circ 0104670 (5' ... 3') | <pre> CUUGGCAAGUCCUUCUUCUCU </pre> | | |
| hsa-miR-1253 (3' ... 5') | <pre> ACGUCCGACUAGAAGAAGAGA </pre> | 7mer-m8 | 4546 |
| hsa circ 0104670 (5' ... 3') | <pre> GAUAAGCAAACACAUAUCACA </pre> | | |
| hsa-miR-1257 (3' ... 5') | <pre> CCAGUCUUGGGUAGUAAGUGA </pre> | 8mer-1a | 1388 |

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| hsa_circ_0104670 (5' ... 3') | GAAUAAAACUGGAAUUUAUCCAC | 7mer-m8 | 4411 |
| hsa-miR-1261 (3' ... 5') | UUCGGUUUCGGAAUAGGUA | | |
| hsa_circ_0104670 (5' ... 3') | UGCCCGUUUGAAGUUUAUCCAA | 8mer-1a | 795 |
| hsa-miR-1261 (3' ... 5') | UUCGGUUUCGGAAUAGGUA | | |
| hsa_circ_0104670 (5' ... 3') | GGGGUACUGGGAAUUAAGACUUU | 7mer-m8 | 2766 |
| hsa-miR-1264 (3' ... 5') | UUGUCCACGAGUUUAUUCUGAAC | | |
| hsa_circ_0104670 (5' ... 3') | CAGUGGUUGCCGCAAACAUCUG | 7mer-m8 | 4752 |
| hsa-miR-1265 (3' ... 5') | UUGUUGUGAACUGGUGUAGGAC | | |
| hsa_circ_0104670 (5' ... 3') | CCCCAUGUCCUAAUAUCAUCAUC | 7mer-m8 | 2428 |

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| hsa-miR-1272 (3' ... 5') | AAAGUCUUAACGACGGUAGUAGUAG | | |
| hsa circ 0104670 (5' ... 3') | GUGUAGCCAGCUGGU-UCAUCAUA | 8mer-1a | 3331 |
| hsa-miR-1272 (3' ... 5') | AAAGUCUUAACGACGGUAGUAGUAG | | |
| hsa circ 0104670 (5' ... 3') | GUUGGCCUGUGUGAUAGCUUCAU | 7mer-m8 | 657 |
| hsa-miR-127-5p (3' ... 5') | UAGUCUCGGGAGACUCGAAGUC | | |
| hsa circ 0104670 (5' ... 3') | UUUAAGCUUAACAAUCUCUUUAA | 7mer-1a | 2712 |
| hsa-miR-1276 (3' ... 5') | ACAGAGGUGUCCCGAGAAU | | |
| hsa circ 0104670 (5' ... 3') | UCACGCCUGUAAUCCAGUACUU | 7mer-m8 | 295 |
| hsa-miR-1278 (3' ... 5') | UAUCUACUAUACGUGUCAUGAU | | |
| hsa circ 0104670 (5' ... 3') | GGGACCCAGAAAAU--CAAUAUGC | | |

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| hsa-miR-1279 (3' ... 5') | <pre> UCUUUCUUCGUAUACU </pre> | 7mer-m8 | 4221 |
| hsa circ 0104670 (5' ... 3') | <pre> UACUCCGAGGCUGAGGUGGGAG </pre> | | |
| hsa-miR-1280 (3' ... 5') | <pre> CCCACCGUCGCCACCCU </pre> | 7mer-1a | 454 |
| hsa circ 0104670 (5' ... 3') | <pre> GGGUGGAAGGGUGUUGAGGCGAG </pre> | | |
| hsa-miR-1281 (3' ... 5') | <pre> CCUCUCCUC--CUCCGCU </pre> | 7mer-1a | 3968 |
| hsa circ 0104670 (5' ... 3') | <pre> AGUACCAUCCUCUUGGUCCUGCU </pre> | | |
| hsa-miR-1286 (3' ... 5') | <pre> UCCCGAGUAGAACCAGGACGU </pre> | 7mer-m8 | 1966 |
| hsa circ 0104670 (5' ... 3') | <pre> AUUCGAUAACAUUUAAAAUCCA </pre> | | |
| hsa-miR-1290 (3' ... 5') | <pre> AGGGACUAGGUUUUUAGGU </pre> | 8mer-1a | 682 |

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| hsa_circ_0104670 (5' ... 3') | GCCUUCUAGCUGUGUCCUCACAU | 7mer-1a | 2340 |
| hsa-miR-1294 (3' ... 5') | UCUGUUGUUACGGUUGGAGUGU | | |
| hsa_circ_0104670 (5' ... 3') | AUGUGAGGUCCACCUACCUCACC | 7mer-m8 | 4855 |
| hsa-miR-1294 (3' ... 5') | UCUGUUGUUACGGUUGGAGUGU | | |
| hsa_circ_0104670 (5' ... 3') | GGCAAGUCCUUCUUCUCUAAC | 7mer-m8 | 4549 |
| hsa-miR-1303 (3' ... 5') | UCUCGUUCUGGGGC---AGAGAUUU | | |
| hsa_circ_0104670 (5' ... 3') | AUAUGGCAGUUGAGUUUGAAAAU | 7mer-1a | 1117 |
| hsa-miR-1305 (3' ... 5') | AGAGAGGGUAAUCUCAACUUUU | | |
| hsa_circ_0104670 (5' ... 3') | GAACAAUUUGCAUU---GUUGAAAC | 7mer-m8 | 1449 |

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| hsa-miR-1305 (3' ... 5') | AGAGAGGGUAAUCUCAACUUUU | | |
| hsa circ 0104670 (5' ... 3') | AAUAACACACCGUGGGCCGAGAG | | 7mer-1a 1268 |
| hsa-miR-1307 (3' ... 5') | GUGCUGGCUGCGGUGCGGCUCA | | |
| hsa circ 0104670 (5' ... 3') | GCCAAGCAGAUUCAGCAUCAUG | | 7mer-m8 2138 |
| hsa-miR-1322 (3' ... 5') | GUCGUAGUCGU-CGUAGUAG | | |
| hsa circ 0104670 (5' ... 3') | UGUAGCCAGCUGGUUCAUCAUAG | | 7mer-1a 3332 |
| hsa-miR-1322 (3' ... 5') | GUCGUAGUCGUCGUAGUAG | | |
| hsa circ 0104670 (5' ... 3') | GAGAGAGCUGACUGAUGUCUGAG | | 7mer-1a 1286 |
| hsa-miR-1324 (3' ... 5') | CUUUCACGUAUCUUUAAGACAGACC | | |
| hsa circ 0104670 (5' ... 3') | GGCGAGUGAUUUUAUGUGUCUGAC | | |

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| hsa-miR-1324 (3' ... 5') | CUUUCACGUAUCUUAAGACAGACC | 7mer-1a | 80 |
| hsa circ 0104670 (5' ... 3') | CUGGAAUUUAUCCACAUGGAGAG | 7mer-1a | 4419 |
| hsa-miR-136 (3' ... 5') | AGGUAGUAGUUUUGUUUACCUCA | | |
| hsa circ 0104670 (5' ... 3') | UCCACCAAUGUAUGAAAUGGAGG | 7mer-m8 | 4651 |
| hsa-miR-136 (3' ... 5') | AGGUAGUAGUUUUGUUUACCUCA | | |
| hsa circ 0104670 (5' ... 3') | CGUGGUGGUGGCGCCUGGGUC | 7mer-m8 | 426 |
| hsa-miR-140-3p (3' ... 5') | GGCACCAAGAUGGACACCAU | | |
| hsa circ 0104670 (5' ... 3') | GAGCCAAGAUUGGCCACUACAC | 7mer-1a | 510 |
| hsa-miR-142-3p (3' ... 5') | AGGUUUUCAUCCUUUGUGAUGU | | |

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| hsa_circ_0104670 (5' ... 3') | CUUGUCUGCGAAUAAAACUGGAA | 8mer-1a | 4402 |
| hsa-miR-145 (3' ... 5') | UCCCUAAGGACCCUUUGACCUG | | |
| hsa_circ_0104670 (5' ... 3') | GUAAACAGGCCAGGAAACUGGAG | 7mer-m8 | 595 |
| hsa-miR-145 (3' ... 5') | UCCCUAAGGACCCUUUGACCUG | | |
| hsa_circ_0104670 (5' ... 3') | GUGGUGGCUGCUGAG---ACAGGGCG | 7mer-m8 | 61 |
| hsa-miR-146b-3p (3' ... 5') | GGUCUUGACUCAGGUGUCCGU | | |
| hsa_circ_0104670 (5' ... 3') | GACUGUGCCAAGGCAGCCAGAA | 7mer-1a | 3459 |
| hsa-miR-149 (3' ... 5') | CCUCACUUCUGUGCCUCGGUCU | | |
| hsa_circ_0104670 (5' ... 3') | CCUGUGAAAGGUGAAGACCAGG | 7mer-m8 | 3523 |

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| hsa-miR-149 (3' ... 5') | CCCUCACUUCUGUGC-CUCGGUCU | | |
| hsa circ 0104670 (5' ... 3') | UUGAGGCGAGGCAGGGAGCCAGG | 7mer-m8 | 3981 |
| hsa-miR-149 (3' ... 5') | CCCUCACUUCUGUGCCUCGGUCU | | |
| hsa circ 0104670 (5' ... 3') | UGUCGUUGAUUAUUAGCCAGAU | 7mer-1a | 767 |
| hsa-miR-149 (3' ... 5') | CCCUCACUUCUGUGCCUCGGUCU | | |
| hsa circ 0104670 (5' ... 3') | AACAAGAGUUUAAGAAGCAUUUU | 7mer-m8 | 1469 |
| hsa-miR-155 (3' ... 5') | UGGGGAUAGUGC UAAUCGUAUU | | |
| hsa circ 0104670 (5' ... 3') | UGUCCUCGGAGUGGA-CACUGGAC | 7mer-1a | 3439 |
| hsa-miR-1825 (3' ... 5') | CCUCUCCUCCCGUGACCU | | |
| hsa circ 0104670 (5' ... 3') | GUGGUCAGCCUAGGAUGCCAUA | 7mer-1a | 1672 |

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| hsa-miR-183 (3' ... 5') | UCACUUAAGAUGGUCACGGUAU | | |
| hsa circ 0104670 (5' ... 3') | CCAUCCUGGCUAACAUGGUGAAA | 7mer-1a | 361 |
| hsa-miR-197 (3' ... 5') | CGACCCACCUCUCCACCACUU | | |
| hsa circ 0104670 (5' ... 3') | UCUGAGCCUCUCUCAGUGGUGAU | 7mer-m8 | 4074 |
| hsa-miR-197 (3' ... 5') | CGACCCACCUCUCCACCACUU | | |
| hsa circ 0104670 (5' ... 3') | UUCCUAGCUGGAGAG-GUGGUGAC | 7mer-m8 | 4307 |
| hsa-miR-197 (3' ... 5') | CGACCCACCUCUCCACCACUU | | |
| hsa circ 0104670 (5' ... 3') | UUGGAGGAGGGGACUGGUGAAA | 7mer-1a | 4678 |
| hsa-miR-197 (3' ... 5') | CGACCCACCUCUCC--ACCACUU | | |
| hsa circ 0104670 (5' ... 3') | GUUUCUAAAAAUCACUGCAGUAU | 7mer-1a | 932 |

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| hsa-miR-217 (3' ... 5') | AGGUUAGUCAAGGACUACGUCAU | | |
| hsa_circ_0104670 (5' ... 3') | ACAUCAUGGAGUGAUGUGACUUG | 7mer-m8 | 4368 |
| hsa-miR-224 (3' ... 5') | UUGCCUUGGUGAUCACUGAAC | | |
| hsa_circ_0104670 (5' ... 3') | GUGUCCUCCAAGAUGCCAGAGAA | 7mer-1a | 3497 |
| hsa-miR-326 (3' ... 5') | GACCUCCUCCCGGGUCUCC | | |
| hsa_circ_0104670 (5' ... 3') | GUGUCCUCCAAGAUGCCAGAGAA | 7mer-1a | 3497 |
| hsa-miR-330-5p (3' ... 5') | CGGAUUCUGUGUCCGGGUCUCU | | |
| hsa_circ_0104670 (5' ... 3') | CAGUGC UAAACUCAGUGCUUUGC | 7mer-m8 | 1596 |
| hsa-miR-330-3p (3' ... 5') | AGAGACGUCCGGCACACGAAACG | | |
| hsa_circ_0104670 (5' ... 3') | UUCUCCUGGCAGUAAGCUUUGAU | 7mer-1a | 2982 |

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| hsa-miR-330-3p (3' ... 5') | AGAGACGUCCGGCACACGAAACG | | |
| hsa circ 0104670 (5' ... 3') | AGGUUUGCAUGUGCACAGGGGAG | 7mer-1a | 4147 |
| hsa-miR-331-3p (3' ... 5') | AAGAUCCUAUCCGGGUCCCGG | | |
| hsa circ 0104670 (5' ... 3') | UCUGUUUUUAUACAGUACCUAUU | 7mer-1a | 2392 |
| hsa-miR-331-5p (3' ... 5') | CCUAGGGACCCUGGUAUGGAUC | | |
| hsa circ 0104670 (5' ... 3') | GAGCCAGGCAAGGCCUGCUGGAG | 7mer-1a | 3996 |
| hsa-miR-338-3p (3' ... 5') | GUUGUUUUAGUGACUACGACCU | | |
| hsa circ 0104670 (5' ... 3') | CUGCUAGUGGAAAAGUCUGGAA | 7mer-1a | 4476 |
| hsa-miR-338-3p (3' ... 5') | GUUGUUUUAGUGACUACGACCU | | |
| hsa circ 0104670 (5' ... 3') | UCAUUCUCCUGACCAUAUUGUG | | |

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| hsa-miR-338-5p (3' ... 5') | <p style="text-align: center;"> </p> <p style="text-align: center;">GUGAGUCGUGGUCCUAUAACAA</p> | 7mer-m8 | 1537 |
| hsa circ 0104670 (5' ... 3') | <p style="text-align: center;">CUCUUAUUGAUUCCGUGGGGAG</p> <p style="text-align: center;"> </p> <p style="text-align: center;">UUUAGUCUUAGUGUGGACCCCU</p> | 7mer-1a | 3694 |
| hsa-miR-361-3p (3' ... 5') | <p style="text-align: center;">AUGUCAAUACAUUGGAACAAAU</p> <p style="text-align: center;"> </p> <p style="text-align: center;">AGUGCGCUCGGCUUGCUUGUUU</p> | 7mer-1a | 1434 |
| hsa circ 0104670 (5' ... 3') | <p style="text-align: center;">AUAUGUGAGUUGGCC-UGUGUGAU</p> <p style="text-align: center;"> </p> <p style="text-align: center;">UGUUUUCACGGAACACACUA</p> | 7mer-m8 | 649 |
| hsa-miR-377 (3' ... 5') | <p style="text-align: center;">UGGUAGCACAGCUUUAACAUUAA</p> <p style="text-align: center;"> </p> <p style="text-align: center;">UCCCAAGUGGCUCG-UUGUAAG</p> | 7mer-1a | 1063 |
| hsa circ 0104670 (5' ... 3') | <p style="text-align: center;">UGGUAGCACAGCUUUAACAUUAA</p> <p style="text-align: center;"> </p> <p style="text-align: center;">UCCCAAGUGGCUCG-UUGUAAG</p> | 7mer-1a | 1063 |
| hsa-miR-409-3p (3' ... 5') | <p style="text-align: center;">UCCCAAGUGGCUCG-UUGUAAG</p> | | |

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| hsa_circ_0104670 (5' ... 3') | ACAGUAAGCAAACAACAUAUC | 7mer-m8 | 1385 |
| hsa-miR-409-3p (3' ... 5') | UCCCCAAGUGGCUCGUUGUAAG | | |
| hsa_circ_0104670 (5' ... 3') | GGAACAAAUUUGCAU-UGUUGAAA | 7mer-1a | 1448 |
| hsa-miR-421 (3' ... 5') | CGCGGGUAAUUACAGACAACUA | | |
| hsa_circ_0104670 (5' ... 3') | GAUGGUGGAGUUCUUUGUUGAAU | 7mer-1a | 4276 |
| hsa-miR-421 (3' ... 5') | CGCGGGUAAUUACAGACAACUA | | |
| hsa_circ_0104670 (5' ... 3') | CUAGAGGCUGGGAAGUCCAAGAU | 7mer-1a | 2274 |
| hsa-miR-432 (3' ... 5') | GGUGGGUUACUGGAUGAGGUUCU | | |
| hsa_circ_0104670 (5' ... 3') | ACAGUGGAGGGUGUCCUCAAGA | 8mer-1a | 3487 |
| hsa-miR-432 (3' ... 5') | GGUGGGUUACUGGAUGAGGUUCU | | |

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| hsa_circ_0104670 (5' ... 3') | GGUUUGGAGCACACUGUAUGAA | 8mer-1a | 140 |
| hsa-miR-485-3p (3' ... 5') | UCUCUCCUCUCGGCACAUACUG | | |
| hsa_circ_0104670 (5' ... 3') | GGCCUCAUCCACCAAUGUAUGAA | 8mer-1a | 4644 |
| hsa-miR-485-3p (3' ... 5') | UCUCUCCUCUCGGCACAUACUG | | |
| hsa_circ_0104670 (5' ... 3') | ACCUAUAUAACACUUAUGAUAA | 7mer-1a | 2821 |
| hsa-miR-487a (3' ... 5') | UUGACCUACAGGGACAUACUAA | | |
| hsa_circ_0104670 (5' ... 3') | CUGAGCUAAGAUGUGAGGUCCAC | 7mer-1a | 4845 |
| hsa-miR-492 (3' ... 5') | UUCUUAGAACAGGGCGUCCAGGA | | |
| hsa_circ_0104670 (5' ... 3') | CAAUUCUACUCAUACAUGUUUCU | 7mer-m8 | 915 |

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| hsa-miR-494 (3' ... 5') | CUCCAAAGGGCACAUACAAAGU | | |
| hsa_circ_0104670 (5' ... 3') | UCAGUAUAUCAUCAGGUUGUUG | 7mer-m8 | 2518 |
| hsa-miR-495 (3' ... 5') | UUCUUCACGUGGUACAACAAA | | |
| hsa_circ_0104670 (5' ... 3') | UCCUAAUCCAUUUGGGCUGCUAU | 7mer-1a | 1770 |
| hsa-miR-503 (3' ... 5') | GACGUCUUGACAAGGGCGACGAU | | |
| hsa_circ_0104670 (5' ... 3') | GCUCUCUGAAACUGG----GCUGCUAC | 7mer-1a | 3728 |
| hsa-miR-503 (3' ... 5') | GACGUCUUGACAAGGGCGACGAU | | |
| hsa_circ_0104670 (5' ... 3') | AUCACUGCAGUAUACACAAUCAU | 7mer-1a | 942 |
| hsa-miR-508-3p (3' ... 5') | AGAUGAGGUUUUCCGAUGUUAGU | | |
| hsa_circ_0104670 (5' ... 3') | GAUGCCAGAGAAGGCCUGUGAA | 8mer-1a | 3508 |

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|--|--------------------------|---------|------|
| hsa-miR-513a-5p (3' ... 5') | UACUGUGGAGGGACACUU | | |
| hsa circ 0104670 (5' ... 3') | CUACCUCACCACCCA-AGGCACUU | | |
| | | 7mer-m8 | 4868 |
| hsa-miR-515-3p (3' ... 5') | UUGCGAGGUUUUCUCCGUGAG | | |
| hsa circ 0104670 (5' ... 3') | CUACCUCACCACCCAAGGCACUU | | |
| | | 7mer-m8 | 4868 |
| hsa-miR-519e (3' ... 5') | UUGUGAGAUUUUCCUCCGUGAA | | |
| hsa circ 0104670 (5' ... 3') | UGCAUCCUGAUGACGUGGAGAAG | | |
| | | 7mer-1a | 167 |
| hsa-miR-515-5p (3' ... 5') | GUCUUUCACGAAAGAAAACCUCUU | | |
| hsa circ 0104670 (5' ... 3') | GCCCUUCUCCUUGAU-UUGGAGAU | | |
| | | 7mer-m8 | 2550 |
| hsa-miR-515-5p (3' ... 5') | GUCUUUCACGAAAGAAAACCUCUU | | |
| hsa circ 0104670 (5' ... 3') | GGAACAAGAUGAGGCUGGAGAAG | | |

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|--|--|---------|------|
| hsa-miR-515-5p (3' ... 5') | <p style="text-align: center;"> </p> <p style="text-align: center;">GUCUUUCACGAAAGAAAACCCUUU</p> | 7mer-1a | 3583 |
| hsa circ 0104670 (5' ... 3') | <p style="text-align: center;">AAACUAUAGGGCUUAUCGAGAAA</p> <p style="text-align: center;"> </p> <p style="text-align: center;">CUUUCACGAAAGAAAGGAGCUCUU</p> | 7mer-1a | 973 |
| hsa-miR-516a-5p (3' ... 5') | <p style="text-align: center;">GGUCUCUCCUCUGUGUGCACGAA</p> <p style="text-align: center;"> </p> <p style="text-align: center;">UGUGAGAUUUCCCUACGUGCUA</p> | 8mer-1a | 2620 |
| hsa circ 0104670 (5' ... 3') | <p style="text-align: center;">GGUCUCUCCUCUGUGUGCACGAA</p> <p style="text-align: center;"> </p> <p style="text-align: center;">UGUGAGAUUUCCCUACGUGCUA</p> | 8mer-1a | 2620 |
| hsa-miR-517a (3' ... 5') | <p style="text-align: center;">GGUCUCUCCUCUGUGUGCACGAA</p> <p style="text-align: center;"> </p> <p style="text-align: center;">UUGUGAGAUUUCCCU-ACGUGCU</p> | 7mer-1a | 2620 |
| hsa circ 0104670 (5' ... 3') | <p style="text-align: center;">GGUCUCUCCUCUGUGUGCACGAA</p> <p style="text-align: center;"> </p> <p style="text-align: center;">UUGUGAGAUUUCCCU-ACGUGCU</p> | 7mer-1a | 2620 |
| hsa-miR-517c (3' ... 5') | <p style="text-align: center;">GGUCUCUCCUCUGUGUGCACGAA</p> <p style="text-align: center;"> </p> <p style="text-align: center;">UUGUGAGAUUUCCCU-ACGUGCU</p> | 7mer-1a | 2620 |
| hsa circ 0104670 (5' ... 3') | <p style="text-align: center;">GGUCUCUCCUCUGUGUGCACGAA</p> <p style="text-align: center;"> </p> <p style="text-align: center;">UUGUGAGAUUUCCCU-ACGUGCU</p> | 7mer-1a | 2620 |
| hsa-miR-517b (3' ... 5') | <p style="text-align: center;">GGUCUCUCCUCUGUGUGCACGAA</p> <p style="text-align: center;"> </p> <p style="text-align: center;">UUGUGAGAUUUCCCU-ACGUGCU</p> | 7mer-1a | 2620 |

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|--|---------------------------------|---------|------|
| hsa_circ_0104670 (5' ... 3') | AGAGGUGACAUGGUCCACUUUGG | 7mer-m8 | 3937 |
| hsa-miR-520g (3' ... 5') | UGUGAGAUUUCCCUUCGUGAAACA | | |
| hsa_circ_0104670 (5' ... 3') | AGAGGUGACAUGGUCCACUUUGG | 7mer-m8 | 3937 |
| hsa-miR-520h (3' ... 5') | UGAGAUUUCCCUUCGUGAAACA | | |
| hsa_circ_0104670 (5' ... 3') | UUUUGUUCUGUUUUCACUUUGU | 7mer-m8 | 4520 |
| hsa-miR-520g (3' ... 5') | UGUGAGAUUUCCCUUCGUGAAACA | | |
| hsa_circ_0104670 (5' ... 3') | UUUUGUUCUGUUUUCACUUUGU | 7mer-m8 | 4520 |
| hsa-miR-520h (3' ... 5') | UGAGAUUUCCCUUCGUGAAACA | | |
| hsa_circ_0104670 (5' ... 3') | UAUUUGUUUAUACAAUGGGAGAA | 7mer-1a | 2230 |

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|--|-----------------------------|---------|------|
| hsa-miR-532-3p (3' ... 5') | ACGUUCGGAACCCACACCCUCC | | |
| hsa circ 0104670 (5' ... 3') | CCUAAUAUCAUCAUCUGGGAGAU | 7mer-1a | 2436 |
| hsa-miR-532-3p (3' ... 5') | ACGUUCGGAACCCACACCCUCC | | |
| hsa circ 0104670 (5' ... 3') | AAGUCUGAAUGUGUCUGGGAGAG | 7mer-1a | 3380 |
| hsa-miR-532-3p (3' ... 5') | ACGUUCGGAACCCACACCCUCC | | |
| hsa circ 0104670 (5' ... 3') | UGACAUGGUCCACUUUGGGAGAG | 7mer-1a | 3942 |
| hsa-miR-532-3p (3' ... 5') | ACGUUCGGAACCCACACCCUCC | | |
| hsa circ 0104670 (5' ... 3') | ACUCCGGAGGUGAGGUGGGAGA | 8mer-1a | 455 |
| hsa-miR-532-3p (3' ... 5') | ACGUUCGGAACCCACACCCUCC | | |
| hsa circ 0104670 (5' ... 3') | GAGGCUGGAGAAGUGGGUUCUUA | | |

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|--|--|---------|------|
| hsa-miR-548b-3p (3' ... 5') | <pre> UGUUUUUCGUUGACUCCAAGAAC </pre> | 8mer-1a | 3593 |
| hsa circ 0104670 (5' ... 3') | <pre> AACAUUUAAAAAUCCAUUUUUAC </pre> | | |
| hsa-miR-548c-3p (3' ... 5') | <pre> CGUUUUUCAUUAAACUC-UAAAAAC </pre> | 7mer-1a | 689 |
| hsa circ 0104670 (5' ... 3') | <pre> ACGCCUGUAAUCCCA--GUACUUUG </pre> | | |
| hsa-miR-548k (3' ... 5') | <pre> UCGUUUUAGGCGUUCAUGAAAA </pre> | 7mer-m8 | 297 |
| hsa circ 0104670 (5' ... 3') | <pre> GACAGAUUAUUUGUGUUGUCAU </pre> | | |
| hsa-miR-549 (3' ... 5') | <pre> UCUCGAGUAGGUUAUCAACAGU </pre> | 7mer-1a | 1518 |
| hsa circ 0104670 (5' ... 3') | <pre> CUCACAUUGGUGGAAGGGACUAGC </pre> | | |
| hsa-miR-554 (3' ... 5') | <pre> UGACCGACUCAGUCCUGAUCG </pre> | 7mer-m8 | 2356 |

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|--|---------------------------------|---------|------|
| hsa_circ_0104670 (5' ... 3') | AUGCCUCAAUUAUUGGACUAGA | 8mer-1a | 3865 |
| hsa-miR-554 (3' ... 5') | UGACCGACUCAGUCCUGAUCG | | |
| hsa_circ_0104670 (5' ... 3') | UCUUUUCUUUGUGAAUACCCAG | 7mer-1a | 2200 |
| hsa-miR-555 (3' ... 5') | UAGUCUCCAAGUCGAAUGGGA | | |
| hsa_circ_0104670 (5' ... 3') | GACCAUAAACAUUCAUUACCCAG | 7mer-1a | 843 |
| hsa-miR-555 (3' ... 5') | UAGUCUCCAAGUCGAAUGGGA | | |
| hsa_circ_0104670 (5' ... 3') | GGGGAUUAAGACUUUAACAUACU | 7mer-m8 | 2774 |
| hsa-miR-567 (3' ... 5') | CAAGACAGGACCUUCUUGUAUGA | | |
| hsa_circ_0104670 (5' ... 3') | GUCUCAGGUUUUGUUUAUACAA | 8mer-1a | 2222 |
| hsa-miR-568 (3' ... 5') | CACACAUUGUAAAUAUGUA | | |

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|--|--|---------|------|
| hsa_circ_0104670 (5' ... 3') | CCUGC UUUUGUUCUGGUUUUCAC | | |
| | | 7mer-1a | 4515 |
| hsa-miR-570 (3' ... 5') | CGUUUCCA UUAACGACAAAAGC | | |
| hsa_circ_0104670 (5' ... 3') | UGGUUUAGA AACAACACUCA | | |
| | | 7mer-1a | 999 |
| hsa-miR-574-5p (3' ... 5') | UGUGUGAG UGUGUGUGUGAGU | | |
| hsa_circ_0104670 (5' ... 3') | AUCAUCA UCUGGAG-AUUAGAAU | | |
| | | 7mer-m8 | 2442 |
| hsa-miR-576-5p (3' ... 5') | UUUCUGC ACCUCUUUAAUCUUA | | |
| hsa_circ_0104670 (5' ... 3') | UUAUAUAC AGUCUCCUUAGAAAC | | |
| | | 7mer-1a | 4347 |
| hsa-miR-576-5p (3' ... 5') | UUUCUGC ACCUCUUUAAUCUUA | | |
| hsa_circ_0104670 (5' ... 3') | CCUUCU UGCAUUCUCACAAGAAU | | |
| | | 7mer-m8 | 2578 |

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|--|---------------------------------|---------|------|
| hsa-miR-578 (3' ... 5') | UGUUAGGAUCUCGUGUUCUUC | | |
| hsa_circ_0104670 (5' ... 3') | UGCACAGGGGAGGGGACAAGAAA | 8mer-1a | 4158 |
| hsa-miR-578 (3' ... 5') | UGUUAGGAUCUCGUGUUCUUC | | |
| hsa_circ_0104670 (5' ... 3') | UGGCCACCUUCUUGCAUUCUCAC | 7mer-m8 | 2572 |
| hsa-miR-580 (3' ... 5') | GGAUUACUAAGUAGUAAGAGUU | | |
| hsa_circ_0104670 (5' ... 3') | UAGUGAGUGAGUUCUCACAAGAU | 7mer-1a | 1996 |
| hsa-miR-581 (3' ... 5') | UGACUAGAUCUCUUGUGUUCU | | |
| hsa_circ_0104670 (5' ... 3') | ACCUUCUUGCAUUCUCACAAGAA | 7mer-1a | 2577 |
| hsa-miR-581 (3' ... 5') | UGACUAGAUCUCUU--GUGUUCU | | |
| hsa_circ_0104670 (5' ... 3') | GGUGAGCCAAUUAACCUCUUUU | 7mer-m8 | 2183 |

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|--|-----------------------------|---------|------|
| hsa-miR-583 (3' ... 5') | CAUUACCCUGGAAGGAGAAAC | | |
| hsa_circ_0104670 (5' ... 3') | UUUAAGCUUAACAAUCUCUUUAA | 7mer-1a | 2712 |
| hsa-miR-583 (3' ... 5') | CAUUACCCUGGAAGGAGAAAC | | |
| hsa_circ_0104670 (5' ... 3') | UUUUCUGUGAUCCUGACCAUAAA | 7mer-1a | 829 |
| hsa-miR-584 (3' ... 5') | GAGUCAGGGUCCGUUUGGUAUU | | |
| hsa_circ_0104670 (5' ... 3') | CGUGAUAGUGAGUGAGUUCUCAC | 7mer-1a | 1991 |
| hsa-miR-589 (3' ... 5') | GAGUCUCGUCUGACCAAGAGU | | |
| hsa_circ_0104670 (5' ... 3') | GCUGCCAGGGAAGCGAUGGUCAA | 7mer-1a | 3285 |
| hsa-miR-591 (3' ... 5') | UGUUACUCUUGGGUACCAGA | | |
| hsa_circ_0104670 (5' ... 3') | CCUGGAAAGAGGUGACAUGGUCC | 7mer-m8 | 3930 |

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|--|--------------------------|---------|---------|------|
| hsa-miR-591 (3' ... 5') | UGUUACUCUUGGGUACCAGA | | | |
| hsa circ 0104670 (5' ... 3') | AUUCACCCUAUAAUAACACUUAU | | | |
| | | 7mer-1a | 2816 | |
| hsa-miR-595 (3' ... 5') | UCUGUGUGGUGCCG--UGUGAAG | | | |
| hsa circ 0104670 (5' ... 3') | AACAGGUGCAUCCUGAUGACGUG | | | |
| | | | 7mer-m8 | 161 |
| hsa-miR-598 (3' ... 5') | ACUGCUACUGUUGCUACUGCAU | | | |
| hsa circ 0104670 (5' ... 3') | UUCUGCUUCUGCCAUGUAAGAC | | | |
| | | 7mer-1a | 2059 | |
| hsa-miR-600 (3' ... 5') | CUCGUUCCGAGAACAG-ACAUUCA | | | |
| hsa circ 0104670 (5' ... 3') | UGGACUGUGGCCAAGGCAGCCAG | | | |
| | | 7mer-1a | 3457 | |
| hsa-miR-604 (3' ... 5') | CAGGACUUAAGG--CGUCGGA | | | |
| hsa circ 0104670 (5' ... 3') | CAUAUGGCAGUUGAGUUUGAAAA | | | |
| | | | 7mer-1a | 1116 |

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|--|--------------------------------|---------|------|
| hsa-miR-607 (3' ... 5') | CAAUAUCUAGACCUA AACUUG | | |
| hsa_circ_0104670 (5' ... 3') | CCCAUGUUGGCUCAGGGACCCCA | 8mer-1a | 4207 |
| hsa-miR-615-5p (3' ... 5') | CUAGGCUCGUGGCCCCUGGGGG | | |
| hsa_circ_0104670 (5' ... 3') | GCACCUCAGAAAACU---CAAUGACA | 8mer-1a | 206 |
| hsa-miR-616 (3' ... 5') | GACGAGUUUGGGAGGUACUGA | | |
| hsa_circ_0104670 (5' ... 3') | AGCCUUACCAUACAACAAUGACA | 8mer-1a | 4453 |
| hsa-miR-616 (3' ... 5') | GACGAGUUUGGGAGGUACUGA | | |
| hsa_circ_0104670 (5' ... 3') | UGCAUUGUUGAAACAAGAGUUAU | 7mer-1a | 1458 |
| hsa-miR-618 (3' ... 5') | UGAGUCUCCUGUUCUUCUAAA | | |
| hsa_circ_0104670 (5' ... 3') | GGAUGUGGCUUUUGGAAACCCAG | 7mer-1a | 3241 |

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|--|-----------------------------|---------|------|
| hsa-miR-629 (3' ... 5') | UCAAGAGGGUUGCAUUUGGGU | | |
| hsa_circ_0104670 (5' ... 3') | AGGGGGACUGGUGAAAAACCCAA | 7mer-1a | 4685 |
| hsa-miR-629 (3' ... 5') | UCAAGAGGGUUGCAUUUGGGU | | |
| hsa_circ_0104670 (5' ... 3') | UAGUAAUUUUCUCAGUCUGGGU | 7mer-m8 | 2899 |
| hsa-miR-634 (3' ... 5') | CAGGUUUCAACCCACGACCAA | | |
| hsa_circ_0104670 (5' ... 3') | UUUCAUAUGUAACCAGCCCAAGC | 7mer-m8 | 3801 |
| hsa-miR-635 (3' ... 5') | CCUGUAACAAAGUCACGGGUUCA | | |
| hsa_circ_0104670 (5' ... 3') | GGGACUGGUGAAAAACCCAAGAG | 7mer-1a | 4688 |
| hsa-miR-635 (3' ... 5') | CCUGUAACAAAGUCACGGGUUCA | | |
| hsa_circ_0104670 (5' ... 3') | AUGUUGGCUCAGGGACCCAGAA | 7mer-1a | 4210 |

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|--|---------------------------------|---------|------|
| hsa-miR-637 (3' ... 5') | UGCGUCUCGGGCUUUCGGGGGUCA | | |
| hsa_circ_0104670 (5' ... 3') | CUGAUGGGAGGUGAUUGGAUCAU | 7mer-m8 | 1918 |
| hsa-miR-640 (3' ... 5') | UCUCCGUCCAAGGACCUAGUA | | |
| hsa_circ_0104670 (5' ... 3') | GGAGGCUGAGGCGGGUGGAUCAC | 7mer-m8 | 320 |
| hsa-miR-640 (3' ... 5') | UCUCCGUCCAAGGACCUAGUA | | |
| hsa_circ_0104670 (5' ... 3') | AAUGUAUACAUCUUACCACACAU | 7mer-1a | 1096 |
| hsa-miR-644 (3' ... 5') | CGAGAUUCUUUCGGUGUGA | | |
| hsa_circ_0104670 (5' ... 3') | UUGUUUAUUGGGUCAGCCUAGG | 7mer-m8 | 1663 |
| hsa-miR-645 (3' ... 5') | AGUCGUCAUGGUCGGAUCU | | |
| hsa_circ_0104670 (5' ... 3') | UCCUAAUCCAUUUGGCUGCUAU | 7mer-1a | 1770 |

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|--|------------------------------|---------|------|
| hsa-miR-646 (3' ... 5') | CGGAGUCUCCGUCGACGAA | | |
| hsa_circ_0104670 (5' ... 3') | GCUCUCUGAAACUGGGCUGCUAC | 7mer-1a | 3728 |
| hsa-miR-646 (3' ... 5') | CGGAGUCUCCGUCGACGAA | | |
| hsa_circ_0104670 (5' ... 3') | UGGACUGUGGCCAAGGCAGCCAG | 7mer-m8 | 3457 |
| hsa-miR-647 (3' ... 5') | CUUCCUUCACUCACGUCGGUG | | |
| hsa_circ_0104670 (5' ... 3') | CAGAGUGGUUUGGAGCACACUG | 7mer-m8 | 134 |
| hsa-miR-648 (3' ... 5') | UGGUCACGGGA----CGUGUGAA | | |
| hsa_circ_0104670 (5' ... 3') | CAGUACCUAAUACCCUCAAAG | 7mer-1a | 2404 |
| hsa-miR-651 (3' ... 5') | GUUUUCAGUUCGAAUAGGAUUU | | |
| hsa_circ_0104670 (5' ... 3') | AAACUCCAUAUAGAAAUCCUAAAG | 7mer-m8 | 3081 |
| hsa-miR-651 (3' ... 5') | GUUUUCAGUUCGAAUAGGAUUU | | |

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|--|----------------------------------|---------|------|
| hsa_circ_0104670 (5' ... 3') | UGUCUCAUUCGUUGGACCUGCAG | 7mer-1a | 4101 |
| hsa-miR-657 (3' ... 5') | GGAUCUCUCCACUCUUGGACGG | | |
| hsa_circ_0104670 (5' ... 3') | AUUUUUCUGUAUUUUACCUGCAA | 7mer-1a | 720 |
| hsa-miR-657 (3' ... 5') | GGAUCUCUCCACUCUUGGACGG | | |
| hsa_circ_0104670 (5' ... 3') | AACAAAAUACCACAGAAUGGGUU | 7mer-m8 | 1693 |
| hsa-miR-660 (3' ... 5') | GUUGAGGCUAUACGUUACCCAU | | |
| hsa_circ_0104670 (5' ... 3') | UCCACAUGGAGAGAGAAUGGGUG | 7mer-m8 | 4429 |
| hsa-miR-660 (3' ... 5') | GUUGAGGCUAUACGUUACCCAU | | |
| hsa_circ_0104670 (5' ... 3') | AGGCGAGGCAGGGAG-CCAGGCAA | 7mer-1a | 3984 |
| hsa-miR-661 (3' ... 5') | UGCGCGUCCGGUCUCUGGGUCCGU | | |

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|--|---------------------------------|---------|------|
| hsa_circ_0104670 (5' ... 3') | CAUAAACAUUCAUUACCCAGGCC | 7mer-m8 | 846 |
| hsa-miR-661 (3' ... 5') | UGC GCGUC CCGGUCUCUGGGUCCGU | | |
| hsa_circ_0104670 (5' ... 3') | AGACAGUGUCUUUUUCUCCUGGC | 7mer-m8 | 2969 |
| hsa-miR-665 (3' ... 5') | UCCCCGAGUCGGAGGACCA | | |
| hsa_circ_0104670 (5' ... 3') | GAAUCUUUUGUGUCUCUGCCUCU | 7mer-m8 | 2640 |
| hsa-miR-1827 (3' ... 5') | UAAGUUAGAUGACGGAGU | | |
| hsa_circ_0104670 (5' ... 3') | UUUUGGAAACCCAGUCUGGAGAC | 7mer-1a | 3250 |
| hsa-miR-766 (3' ... 5') | CGACUCCGACACCCCGACCUCA | | |
| hsa_circ_0104670 (5' ... 3') | CAGGAACAAGAUGAGGCUGGAGA | 8mer-1a | 3581 |
| hsa-miR-766 (3' ... 5') | CGACUCCGACACCCCGACCUCA | | |

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|--|---------------------------------|---------|------|
| hsa_circ_0104670 (5' ... 3') | AGCCAGGCAAGGCCUGCUGGAGU | 7mer-m8 | 3997 |
| hsa-miR-766 (3' ... 5') | CGACUCCGACACCC-CGACCUCA | | |
| hsa_circ_0104670 (5' ... 3') | UUAAAAUUUUUCCUAGCUGGAGA | 8mer-1a | 4298 |
| hsa-miR-766 (3' ... 5') | CGACUCCGACACCCCGACCUCA | | |
| hsa_circ_0104670 (5' ... 3') | GUUUGCUUAAGAGGUGGUCUCAG | 7mer-1a | 1148 |
| hsa-miR-769-5p (3' ... 5') | UCGAGUCUUGGGUCUCCAGAGU | | |
| hsa_circ_0104670 (5' ... 3') | AACCAGCCUAAGUGUAGGUCUCU | 7mer-m8 | 2604 |
| hsa-miR-769-5p (3' ... 5') | UCGAGUCUUGGGUCUCCAGAGU | | |
| hsa_circ_0104670 (5' ... 3') | GAAAGGUGAAGGCCAGGUCUCU | 7mer-m8 | 3528 |
| hsa-miR-769-5p (3' ... 5') | UCGAGUCUUGGGUCUCCAGAGU | | |

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|--|-----------------------------------|---------|------|
| hsa_circ_0104670 (5' ... 3') | CUCUCUCUCUUAAGAGUCCUGC | 7mer-m8 | 2043 |
| hsa-miR-873 (3' ... 5') | UCCUCUGAGUGUU--CAAGGACG | | |
| hsa_circ_0104670 (5' ... 3') | GCCAUGAUUGUAAGUUCCUGAG | 7mer-1a | 2103 |
| hsa-miR-873 (3' ... 5') | UCCUCUGAGUGUUCAAGGACG | | |
| hsa_circ_0104670 (5' ... 3') | AGCUGACUGAUGUCU--GAGGUAUG | 7mer-m8 | 1291 |
| hsa-miR-875-5p (3' ... 5') | GUGGACUAUUUUGACUCCAUAU | | |
| hsa_circ_0104670 (5' ... 3') | GACCCAGCUGGGGAAGCUGCCAG | 7mer-1a | 3270 |
| hsa-miR-885-3p (3' ... 5') | AUAGGUGAUGUGGGGCGACGGA | | |
| hsa_circ_0104670 (5' ... 3') | CAGCUGUUUUGGAAGGAUUAUUAG | 7mer-m8 | 2879 |
| hsa-miR-889 (3' ... 5') | UGUUACCAACAGGCUAUAUU | | |

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|--|----------------------------------|---------|------|
| hsa_circ_0104670 (5' ... 3') | UUAUGAGGACACCAGUCACUAAA | 7mer-1a | 2665 |
| hsa-miR-921 (3' ... 5') | CUUAGGACCAAGACAGGGAGUGAUC | | |
| hsa_circ_0104670 (5' ... 3') | UGAAAUAGGCUCAGAAAGACUCU | 7mer-m8 | 3026 |
| hsa-miR-924 (3' ... 5') | CGUUCUGUAGUGUUCUGAGA | | |
| hsa_circ_0104670 (5' ... 3') | CUGCUCACCCCAUUCUCCUGCCUG | 7mer-m8 | 3051 |
| hsa-miR-940 (3' ... 5') | CCCCUCGCCCCGGGACGGAA | | |
| hsa_circ_0104670 (5' ... 3') | GGAGGCCAUAAAAGCUGCCUAA | 7mer-1a | 614 |
| hsa-miR-940 (3' ... 5') | CCCCUCGCCCCGGGACGGAA | | |
| hsa_circ_0104670 (5' ... 3') | GUCCUCAAGAUGCCAGAGAAGG | 7mer-m8 | 3499 |

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|--|---------------------------|--|-----------------|
| hsa-miR-942 (3' ... 5') | GUGUACCGGUUUUG---UCUCUUCU | | |
| hsa_circ_0104670 (5' ... 3') | CACUUGGAUUCAGAAAGAGAAGA | | 8mer-1a 4886 |
| hsa-miR-942 (3' ... 5') | GUGUACCGGUUUUGUCUCUUCU | | |
| hsa_circ_0104670 (5' ... 3') | AGAAGAACAACACUCAAUAAUUU | | 7mer-m8 1005 |
| hsa-miR-944 (3' ... 5') | GAGUAGGCUACAUGUUUUAAA | | |

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| CircRN A End | 3' pairing | local AU | position | TA | SPS | context + score | context + score percent ile |
|-----------------|---------------|-------------|----------|-------|--------|--------------------|--------------------------------------|
| 2165 | 0.004 | 0.001 | 0.114 | 0.027 | -0.037 | 0.035 | 28 |
| 4189 | -0.006 | 0.055 | 0.029 | 0.027 | -0.037 | -0.006 | 48 |
| 1759 | 0.024 | -0.013 | 0.265 | 0.002 | -0.067 | -0.036 | 57 |
| 1854 | -0.035 | -0.029 | 0.151 | 0 | -0.037 | -0.07 | 70 |

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|------|--------|-------|-------|-------|--------|--------|----|
| 2342 | -0.007 | 0.005 | 0.151 | 0 | -0.037 | -0.008 | 41 |
| 2424 | 0.001 | 0.014 | 0.114 | 0.001 | -0.031 | 0.025 | 20 |
| 3488 | -0.007 | 0.084 | 0.14 | 0 | -0.037 | 0.06 | 7 |
| 3571 | 0.004 | 0.02 | 0.097 | 0.022 | -0.034 | 0.035 | 36 |
| 3770 | 0.012 | 0.058 | 0.1 | 0.022 | -0.036 | 0.036 | 35 |

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|------|-------|-------|--------|--------|--------|--------|----|
| | | | | | | | |
| 447 | 0.001 | 0.059 | -0.002 | -0.064 | -0.081 | -0.161 | 49 |
| 2165 | 0.013 | 0.015 | 0.265 | 0.046 | -0.112 | -0.02 | 55 |
| 4108 | 0.003 | 0.021 | 0.052 | 0.028 | -0.064 | -0.08 | 72 |
| 4189 | 0.013 | 0.118 | 0.069 | 0.046 | -0.112 | -0.113 | 81 |
| | | | | | | | |

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|------|--------|--------|--------|--------|--------|--------|----|
| 149 | -0.006 | 0.049 | -0.034 | -0.004 | 0.034 | -0.035 | 74 |
| 473 | 0.012 | 0.086 | 0.004 | -0.004 | 0.029 | 0.007 | 63 |
| 460 | -0.029 | 0.099 | 0 | 0.038 | -0.137 | -0.276 | 97 |
| 2682 | 0.015 | -0.007 | 0.114 | 0.002 | -0.105 | -0.055 | 49 |
| 1163 | 0.003 | -0.023 | 0.102 | 0.006 | -0.032 | -0.064 | 82 |

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|------|--------|--------|-------|-------|--------|--------|----|
| 3651 | 0.001 | 0.002 | 0.088 | 0.007 | -0.05 | -0.026 | 74 |
| 3844 | -0.016 | -0.011 | 0.09 | 0.006 | -0.032 | -0.083 | 85 |
| 2858 | 0.004 | -0.009 | 0.114 | 0.001 | -0.021 | 0.015 | 34 |
| 2682 | 0.045 | -0.032 | 0.265 | 0 | -0.146 | -0.115 | 77 |
| 2933 | 0.003 | -0.046 | 0.151 | 0.022 | -0.02 | -0.01 | 56 |

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|------|--------|--------|-------|--------|--------|--------|----|
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| 3618 | 0.013 | 0.045 | 0.213 | 0.037 | -0.039 | 0.022 | 45 |
| 3713 | -0.025 | 0.005 | 0.108 | 0.022 | -0.02 | -0.03 | 62 |
| 4910 | 0.004 | -0.005 | -0.05 | 0.009 | -0.017 | -0.133 | 93 |
| 1765 | -0.007 | -0.007 | 0.151 | -0.013 | 0.049 | 0.053 | 27 |
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|------|--------|--------|--------|--------|--------|--------|----|
| 690 | 0.012 | -0.129 | 0.035 | -0.013 | 0.049 | -0.166 | 96 |
| 779 | 0.001 | 0.006 | 0.035 | -0.012 | 0.017 | -0.027 | 75 |
| 69 | 0.008 | 0.015 | -0.043 | -0.08 | -0.095 | -0.269 | 86 |
| 4552 | 0.003 | -0.041 | -0.01 | 0.021 | 0.01 | -0.137 | 94 |
| 1395 | -0.018 | -0.064 | 0.236 | 0.001 | 0.041 | -0.051 | 83 |

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|------|-------|--------|-------|--------|--------|--------|----|
| 4417 | 0.012 | -0.035 | 0.009 | -0.014 | 0.043 | -0.105 | 87 |
| 802 | 0.003 | -0.031 | 0.087 | -0.021 | 0.065 | -0.144 | 93 |
| 2772 | 0.003 | -0.066 | 0.151 | 0.002 | 0.054 | 0.024 | 62 |
| 4758 | 0.003 | 0.072 | -0.04 | -0.011 | -0.002 | -0.098 | 80 |
| 2434 | 0.003 | -0.03 | 0.151 | -0.007 | 0.043 | 0.04 | 45 |

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|------|--------|--------|-------|--------|-------|--------|----|
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| 3338 | -0.029 | 0.054 | 0.265 | -0.009 | 0.064 | 0.098 | 10 |
| 663 | -0.007 | -0.069 | 0.031 | -0.004 | 0.002 | -0.167 | 92 |
| 2718 | 0.001 | -0.023 | 0.114 | 0.013 | 0.042 | 0.073 | 36 |
| 301 | 0.003 | 0.063 | -0.02 | -0.024 | 0.012 | -0.086 | 77 |
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|------|--------|--------|-------|--------|--------|--------|----|
| 4227 | -0.044 | -0.028 | 0.036 | 0.004 | 0.077 | -0.075 | 94 |
| 460 | 0.001 | 0.048 | 0 | 0.004 | -0.1 | -0.121 | 83 |
| 3974 | -0.006 | 0.056 | 0.053 | -0.041 | -0.085 | -0.097 | 57 |
| 1972 | -0.016 | 0.018 | 0.151 | 0.009 | -0.073 | -0.031 | 44 |
| 689 | 0.013 | -0.106 | 0.058 | 0.018 | 0.106 | -0.158 | 97 |

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|------|--------|--------|--------|--------|--------|--------|----|
| 2346 | 0.004 | 0.025 | 0.114 | -0.001 | -0.052 | 0.016 | 28 |
| 4861 | 0.012 | 0.03 | -0.054 | -0.002 | -0.037 | -0.171 | 92 |
| 4555 | -0.016 | 0.017 | -0.011 | 0.001 | 0.043 | -0.086 | 92 |
| 1123 | 0.001 | 0.009 | 0.072 | 0.037 | 0.078 | 0.123 | 49 |
| 1455 | -0.016 | -0.072 | 0.143 | 0.038 | 0.069 | 0.042 | 78 |

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|------|--------|--------|-------|--------|--------|--------|----|
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| 1274 | 0.001 | 0.035 | 0.089 | -0.052 | -0.085 | -0.086 | 64 |
| 2144 | -0.016 | -0.004 | 0.151 | -0.017 | 0.009 | 0.003 | 54 |
| 3338 | 0.001 | 0.035 | 0.114 | -0.016 | 0.033 | 0.093 | 4 |
| 1292 | 0.004 | 0.032 | 0.091 | 0.016 | -0.015 | 0.054 | 26 |
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|------|--------|-------|--------|--------|--------|--------|----|
| 86 | 0.001 | 0.02 | -0.041 | 0.016 | -0.015 | -0.093 | 84 |
| 4425 | 0.004 | 0.004 | 0.004 | 0.008 | -0.016 | -0.07 | 73 |
| 4657 | -0.007 | 0.006 | -0.025 | 0.008 | 0.017 | -0.121 | 86 |
| 432 | -0.025 | 0.136 | -0.002 | 0.009 | -0.032 | -0.034 | 61 |
| 516 | -0.002 | 0.041 | 0.006 | -0.028 | -0.005 | -0.062 | 69 |

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|------|--------|--------|--------|-------|--------|--------|----|
| 4409 | -0.008 | -0.06 | 0.014 | 0.014 | -0.003 | -0.29 | 97 |
| 601 | 0.003 | 0.023 | 0.022 | 0.008 | 0.002 | -0.062 | 67 |
| 67 | -0.035 | 0.04 | -0.053 | 0.009 | -0.083 | -0.242 | 95 |
| 3465 | 0.001 | 0.042 | 0.109 | 0.016 | -0.063 | 0.031 | 13 |
| 3529 | -0.025 | -0.001 | 0.134 | 0.016 | -0.069 | -0.065 | 60 |

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|------|--------|--------|-------|--------|--------|--------|----|
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| 3987 | 0.003 | 0.112 | 0.07 | 0.016 | -0.069 | 0.012 | 24 |
| 773 | 0.001 | -0.018 | 0.034 | 0.016 | -0.063 | -0.104 | 71 |
| 1475 | 0.021 | -0.076 | 0.146 | -0.008 | 0.046 | 0.009 | 65 |
| 3445 | -0.006 | 0.052 | 0.111 | 0.005 | -0.047 | 0.041 | 9 |
| 1678 | -0.002 | 0.008 | 0.114 | -0.006 | -0.03 | 0.01 | 25 |

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|------|--------|--------|--------|-------|--------|--------|----|
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| 367 | -0.006 | 0.022 | -0.011 | 0.01 | -0.032 | -0.091 | 80 |
| 4080 | 0.012 | -0.02 | 0.056 | 0.01 | -0.038 | -0.1 | 82 |
| 4313 | -0.053 | 0.013 | 0.023 | 0.01 | -0.038 | -0.165 | 92 |
| 4684 | -0.009 | 0.018 | -0.025 | 0.01 | -0.032 | -0.112 | 84 |
| 938 | 0.004 | -0.032 | 0.052 | 0.002 | -0.03 | -0.078 | 74 |

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|------|--------|--------|-------|-------|--------|--------|----|
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| 4374 | 0.003 | -0.032 | 0.015 | 0.004 | 0.014 | -0.116 | 90 |
| 3503 | 0.001 | 0.022 | 0.105 | 0.026 | -0.048 | 0.032 | 28 |
| 3503 | 0.001 | 0.022 | 0.105 | 0.026 | -0.048 | 0.032 | 28 |
| 1602 | 0.012 | 0.057 | 0.151 | 0.02 | 0.023 | 0.143 | 5 |
| 2988 | -0.006 | -0.009 | 0.114 | 0.02 | 0.007 | 0.052 | 46 |

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|------|-------|--------|--------|--------|--------|--------|----|
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| 4153 | 0.001 | 0.05 | 0.033 | 0.014 | -0.096 | -0.072 | 60 |
| 2398 | 0.004 | -0.006 | 0.114 | -0.023 | 0.01 | 0.025 | 30 |
| 4002 | 0.004 | 0.064 | 0.05 | 0.012 | -0.063 | -0.007 | 39 |
| 4482 | 0.008 | -0.003 | -0.003 | 0.012 | -0.063 | -0.123 | 80 |
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|------|--------|--------|-------|--------|--------|--------|----|
| 1543 | 0.003 | 0.052 | 0.151 | 0.019 | 0.093 | 0.198 | 5 |
| 3700 | 0.001 | 0.026 | 0.083 | 0.025 | -0.113 | -0.052 | 50 |
| 1440 | 0.008 | -0.034 | 0.107 | -0.009 | 0.038 | 0.036 | 62 |
| 655 | -0.044 | 0.017 | 0.03 | 0.014 | -0.002 | -0.105 | 87 |
| 1069 | -0.006 | -0.012 | 0.066 | 0.009 | 0.077 | 0.06 | 64 |

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|------|--------|--------|-------|-------|--------|-------|----|
| 1391 | 0.003 | -0.047 | 0.134 | 0.008 | 0.07 | 0.048 | 67 |
| 1454 | -0.009 | -0.019 | 0.109 | 0.015 | 0.021 | 0.043 | 49 |
| 4282 | 0.004 | -0.015 | 0.019 | 0.015 | 0.021 | -0.03 | 75 |
| 2280 | 0.001 | 0.013 | 0.114 | 0.003 | -0.012 | 0.045 | 22 |
| 3494 | 0.013 | 0.084 | 0.245 | 0.005 | -0.03 | 0.07 | 9 |

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|------|--------|--------|--------|--------|--------|--------|----|
| 147 | -0.029 | 0.093 | -0.079 | -0.009 | 0.059 | -0.212 | 96 |
| 4651 | 0.024 | 0.007 | -0.048 | -0.009 | 0.059 | -0.214 | 96 |
| 2827 | 0.001 | 0 | 0.114 | -0.013 | 0.061 | 0.089 | 14 |
| 4851 | 0.001 | 0.028 | -0.043 | -0.018 | -0.068 | -0.174 | 83 |
| 921 | 0.003 | -0.061 | 0.068 | 0.025 | 0.065 | -0.02 | 86 |

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|------|--------|--------|-------|--------|--------|--------|----|
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| 2524 | 0.003 | 0.037 | 0.151 | 0.038 | 0.071 | 0.18 | 8 |
| 1776 | 0.004 | -0.02 | 0.114 | -0.019 | -0.066 | -0.061 | 41 |
| 3734 | -0.009 | 0.033 | 0.079 | -0.019 | -0.066 | -0.056 | 38 |
| 948 | 0.001 | -0.024 | 0.053 | -0.025 | 0.034 | -0.035 | 75 |
| 3515 | 0.003 | 0.091 | 0.239 | 0.037 | -0.063 | 0.06 | 21 |

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|------|--------|--------|--------|--------|--------|--------|----|
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| 4874 | -0.016 | 0.015 | -0.056 | -0.018 | -0.047 | -0.242 | 95 |
| 4874 | 0.003 | 0.015 | -0.056 | -0.018 | -0.047 | -0.223 | 94 |
| 173 | 0.001 | 0.036 | -0.032 | 0.023 | -0.034 | -0.08 | 74 |
| 2556 | -0.016 | -0.002 | 0.151 | 0.023 | -0.001 | 0.035 | 30 |
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|------|--------|--------|-------|--------|--------|--------|----|
| 3589 | 0.004 | 0.035 | 0.095 | 0.023 | -0.034 | 0.049 | 22 |
| 979 | 0.001 | -0.021 | 0.056 | -0.084 | -0.019 | -0.141 | 51 |
| 2627 | -0.008 | 0.039 | 0.265 | -0.154 | -0.062 | -0.167 | 52 |
| 2627 | -0.008 | 0.039 | 0.265 | -0.154 | -0.062 | -0.167 | 52 |
| 2626 | -0.006 | -0.003 | 0.114 | -0.078 | -0.046 | -0.093 | 42 |

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|------|-------|--------|--------|-------|--------|--------|----|
| 3943 | 0.003 | 0.074 | 0.076 | 0.029 | 0.039 | 0.101 | 57 |
| 3943 | 0.003 | 0.074 | 0.076 | 0.029 | 0.039 | 0.101 | 57 |
| 4526 | 0.003 | -0.05 | -0.007 | 0.029 | 0.039 | -0.106 | 97 |
| 4526 | 0.003 | -0.05 | -0.007 | 0.029 | 0.039 | -0.106 | 97 |
| 2236 | 0.001 | -0.016 | 0.114 | 0.023 | -0.065 | -0.017 | 53 |

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|------|-------|--------|-------|-------|--------|--------|----|
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| 2442 | 0.008 | -0.025 | 0.114 | 0.023 | -0.065 | -0.019 | 54 |
| 3386 | 0.004 | -0.002 | 0.114 | 0.023 | -0.065 | 0 | 43 |
| 3948 | 0.004 | 0.037 | 0.056 | 0.023 | -0.065 | -0.019 | 54 |
| 462 | 0.003 | 0.078 | 0.001 | 0.038 | -0.121 | -0.248 | 96 |
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|------|--------|--------|-------|--------|--------|--------|----|
| 3600 | 0.003 | 0.039 | 0.218 | 0.001 | 0.023 | 0.037 | 51 |
| 695 | -0.006 | -0.015 | 0.025 | 0.073 | 0.134 | 0.137 | 84 |
| 303 | -0.044 | 0.073 | -0.02 | 0.013 | 0.063 | -0.035 | 89 |
| 1524 | 0.001 | -0.008 | 0.114 | -0.016 | -0.002 | 0.015 | 37 |
| 2362 | 0.003 | 0.01 | 0.151 | -0.04 | -0.026 | -0.022 | 37 |

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|------|--------|--------|-------|--------|--------|--------|----|
| 3872 | 0.013 | -0.028 | 0.149 | -0.062 | -0.049 | -0.224 | 93 |
| 2206 | 0.001 | 0 | 0.114 | -0.018 | -0.018 | 0.005 | 32 |
| 849 | -0.002 | 0.019 | 0.042 | -0.018 | -0.018 | -0.051 | 67 |
| 2780 | 0.012 | -0.084 | 0.151 | -0.006 | 0.058 | 0.011 | 76 |
| 2229 | -0.039 | -0.012 | 0.265 | 0.008 | 0.139 | 0.114 | 19 |

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|------|--------|--------|--------|--------|--------|--------|----|
| 4521 | 0.004 | 0.005 | -0.007 | 0.041 | 0.055 | 0.024 | 83 |
| 1005 | 0.004 | -0.029 | 0.059 | -0.008 | -0.018 | -0.066 | 73 |
| 2448 | -0.016 | 0.015 | 0.151 | 0.027 | 0.095 | 0.152 | 23 |
| 4353 | 0.004 | 0.015 | 0.011 | 0.027 | 0.07 | 0.053 | 79 |
| 2584 | 0.021 | -0.016 | 0.151 | 0.017 | 0.053 | 0.106 | 23 |

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|------|--------|--------|-------|-------|-------|-------|----|
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| 4165 | 0.013 | 0.141 | 0.075 | 0.028 | 0.081 | 0.091 | 32 |
| 2578 | -0.007 | 0.023 | 0.151 | 0.015 | 0.047 | 0.109 | 17 |
| 2002 | 0.004 | 0.018 | 0.114 | -0.01 | 0.007 | 0.059 | 22 |
| 2583 | -0.006 | -0.007 | 0.114 | -0.01 | 0.007 | 0.024 | 44 |
| 2189 | 0.021 | -0.07 | 0.151 | 0.022 | 0.021 | 0.025 | 68 |

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|------|--------|--------|-------|--------|--------|--------|----|
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| 2718 | 0.004 | -0.023 | 0.114 | 0.022 | 0.042 | 0.085 | 38 |
| 835 | 0.004 | -0.005 | 0.041 | -0.019 | 0.014 | -0.039 | 78 |
| 1997 | 0.001 | 0.024 | 0.114 | -0.004 | -0.004 | 0.057 | 13 |
| 3291 | 0.001 | 0.055 | 0.114 | -0.02 | -0.019 | 0.057 | 4 |
| 3936 | -0.016 | 0.009 | 0.077 | -0.021 | -0.022 | -0.093 | 70 |

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|------|--------|--------|--------|--------|--------|--------|----|
| | | | | | | | |
| 2822 | -0.013 | -0.026 | 0.114 | -0.005 | 0.025 | 0.021 | 58 |
| 167 | 0.003 | 0.069 | -0.039 | -0.089 | 0.014 | -0.162 | 73 |
| 2065 | -0.006 | 0.05 | 0.114 | 0.001 | 0.035 | 0.12 | 4 |
| 3463 | -0.006 | 0.029 | 0.109 | -0.002 | -0.104 | -0.048 | 31 |
| 1122 | 0.001 | -0.01 | 0.072 | 0.051 | 0.078 | 0.118 | 67 |

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|------|--------|--------|--------|--------|--------|--------|----|
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| 4214 | 0.003 | 0.046 | 0.063 | -0.002 | -0.205 | -0.342 | 93 |
| 213 | -0.029 | 0.028 | -0.062 | -0.004 | 0.041 | -0.273 | 98 |
| 4460 | 0.003 | -0.001 | 0.001 | -0.004 | 0.041 | -0.207 | 96 |
| 1464 | 0.001 | -0.019 | 0.11 | -0.006 | 0.023 | 0.035 | 51 |
| 3247 | 0.008 | 0.034 | 0.114 | -0.001 | -0.009 | 0.072 | 10 |

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|------|--------|--------|--------|--------|--------|--------|----|
| | | | | | | | |
| 4691 | 0.004 | 0.023 | -0.026 | -0.001 | -0.009 | -0.083 | 84 |
| 2905 | 0.003 | -0.016 | 0.151 | -0.006 | -0.048 | -0.036 | 41 |
| 3807 | -0.007 | -0.06 | 0.095 | 0.001 | -0.064 | -0.155 | 83 |
| 4694 | 0.001 | 0.019 | -0.026 | 0.002 | -0.043 | -0.121 | 75 |
| 4216 | 0.004 | 0.015 | 0.026 | 0.028 | -0.096 | -0.097 | 67 |

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|------|--------|--------|--------|--------|--------|--------|----|
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| 1924 | -0.025 | 0.031 | 0.151 | -0.015 | -0.005 | 0.017 | 42 |
| 326 | -0.016 | 0.119 | -0.017 | -0.015 | -0.005 | -0.054 | 69 |
| 1102 | 0.001 | -0.028 | 0.07 | 0.002 | -0.05 | -0.079 | 68 |
| 1669 | 0.012 | 0.014 | 0.151 | -0.023 | -0.036 | -0.002 | 26 |
| 1776 | 0.001 | -0.02 | 0.114 | 0.012 | -0.066 | -0.033 | 46 |

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|------|--------|--------|--------|--------|--------|--------|----|
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| 3734 | -0.002 | 0.033 | 0.079 | 0.012 | -0.066 | -0.018 | 38 |
| 3463 | 0.003 | 0.055 | 0.144 | 0.01 | -0.084 | 0.008 | 19 |
| 140 | -0.016 | 0.006 | -0.043 | -0.02 | -0.035 | -0.228 | 95 |
| 2410 | 0.001 | 0.034 | 0.114 | -0.002 | 0.017 | 0.09 | 16 |
| 3087 | 0.003 | -0.021 | 0.151 | -0.002 | 0.044 | 0.055 | 37 |

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|------|--------|--------|-------|--------|--------|--------|----|
| 4107 | 0.004 | 0.034 | 0.038 | -0.004 | -0.066 | -0.068 | 62 |
| 726 | 0.004 | -0.047 | 0.029 | -0.004 | -0.066 | -0.158 | 86 |
| 1699 | 0.003 | -0.034 | 0.151 | -0.022 | 0.003 | -0.019 | 44 |
| 4435 | 0.003 | 0.023 | 0.006 | -0.022 | 0.003 | -0.107 | 82 |
| 3990 | -0.006 | 0.047 | 0.051 | 0.039 | -0.1 | -0.043 | 63 |

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|------|-------|--------|-------|-------|--------|--------|----|
| 852 | 0.003 | -0.079 | 0.058 | 0.039 | -0.115 | -0.214 | 95 |
| 2975 | 0.003 | -0.065 | 0.151 | 0.033 | -0.066 | -0.064 | 71 |
| 2646 | 0.012 | -0.046 | 0.151 | 0.039 | -0.069 | -0.033 | 74 |
| 3256 | 0.004 | 0.059 | 0.114 | 0.031 | -0.048 | 0.086 | 2 |
| 3588 | 0.003 | 0.041 | 0.221 | 0.051 | -0.121 | -0.052 | 67 |

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|------|--------|--------|-------|--------|--------|--------|----|
| 4003 | -0.016 | 0.056 | 0.067 | 0.031 | -0.069 | -0.051 | 67 |
| 4305 | 0.024 | -0.012 | 0.04 | 0.051 | -0.121 | -0.265 | 96 |
| 1154 | 0.001 | 0.018 | 0.076 | -0.004 | -0.058 | -0.041 | 68 |
| 2610 | 0.003 | -0.009 | 0.151 | -0.005 | -0.039 | -0.019 | 56 |
| 3534 | -0.016 | 0.062 | 0.134 | -0.005 | -0.039 | 0.016 | 20 |

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|------|--------|--------|-------|--------|--------|--------|----|
| 2049 | -0.016 | -0.019 | 0.151 | 0.02 | -0.018 | -0.002 | 61 |
| 2109 | 0.004 | 0.043 | 0.114 | 0.02 | -0.012 | 0.095 | 5 |
| 1297 | -0.025 | -0.008 | 0.121 | -0.029 | 0.005 | -0.056 | 69 |
| 3276 | 0.001 | 0.057 | 0.114 | 0.001 | -0.104 | -0.005 | 7 |
| 2885 | -0.007 | -0.012 | 0.151 | 0.017 | 0.098 | 0.127 | 57 |

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|------|--------|--------|-------|--------|--------|--------|----|
| 2671 | 0.008 | 0.001 | 0.114 | -0.018 | 0.013 | 0.044 | 21 |
| 3032 | 0.003 | -0.029 | 0.151 | -0.008 | 0.013 | 0.01 | 48 |
| 3057 | 0.03 | -0.042 | 0.151 | 0.037 | -0.079 | -0.023 | 71 |
| 620 | 0.001 | -0.012 | 0.017 | 0.037 | -0.063 | -0.094 | 86 |
| 3505 | -0.016 | 0.103 | 0.138 | 0.023 | 0.016 | 0.144 | 4 |

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| | | | | | | | |
| 4893 | 0.003 | -0.013 | -0.109 | 0.039 | 0.02 | -0.307 | 99 |
| 1011 | 0.021 | -0.011 | 0.08 | 0.032 | 0.148 | 0.15 | 63 |