

**Supplementary Table 3: 394 *L. stagnalis* miRNAs and their corresponding read counts, mirBase & mirGeneDB2.0 matches and matches to the Walker et al. 2018 dataset**

| miRNA id      | total read count | miRBase miRNA match | MirGeneDB2.0 miRNA match      | Match in Walker et al., 2018 | Redundant with                              |
|---------------|------------------|---------------------|-------------------------------|------------------------------|---------------------------------------------|
| lst-miR-14694 | 25925554         | lgi-miR-100         | Efe-Mir-10-P2h pre (1e-05)    | yes                          | -                                           |
| lst-miR-22889 | 10336477         | lgi-miR-67          | Lgi-Mir-67 pre (2e-05)        | yes                          | -                                           |
| lst-miR-12942 | 9672858          | lgi-miR-10          | Xtr-Mir-10-P1b-v1 pre (0.003) | yes                          | -                                           |
| lst-miR-21426 | 3875370          | lgi-miR-315         | Tca-Mir-315 pre (4e-07)       | yes                          | -                                           |
| lst-miR-25257 | 3227909          | lgi-miR-184         | Tca-Mir-184 pre (1e-06)       | yes                          | -                                           |
| lst-miR-21194 | 2774828          | lgi-miR-981         | Lan-Mir-76-P2 pre (1e-06)     | yes                          | -                                           |
| lst-miR-12884 | 2588830          | lgi-miR-92          | Lan-Mir-92-o23b pre (1e-06)   | yes                          | -                                           |
| lst-miR-30131 | 2517681          | hru-miR-1984        | Lgi-Mir-1984 pre (5e-06)      | yes                          | -                                           |
| lst-miR-35025 | 2005845          | lgi-miR-8           | Lgi-Mir-8 pre (4e-07)         | no                           | -                                           |
| lst-miR-3426  | 1491514          | mle-bantam-3p       | Lan-Bantam pre (1e-06)        | yes                          | -                                           |
| lst-miR-30123 | 982877           | hru-miR-1985        | Lgi-Mir-1985 pre (5e-06)      | yes                          | -                                           |
| lst-miR-14698 | 965509           | lgi-let-7           | Xtr-Let-7-P2b3 pre (2e-04)    | yes                          | -                                           |
| lst-miR-18286 | 711825           | mle-miR-277-3p      | Lan-Mir-277-P5 pre (5e-05)    | yes                          | lst-miR-18285                               |
| lst-miR-18285 | 711360           | mle-miR-277-3p      | Lan-Mir-277-P5 pre (5e-05)    | yes                          | lst-miR-18286                               |
| lst-miR-14700 | 564765           | mle-miR-125-5p      | Lgi-Mir-10-P3 pre (2e-04)     | no                           | -                                           |
| lst-miR-7634  | 561449           | lgi-miR-2c          | Lgi-Mir-2-o27b pre (1e-06)    | yes                          | -                                           |
| lst-miR-30947 | 500752           | lgi-miR-96a         | Efe-Mir-96-P1 pre (1e-06)     | yes                          | -                                           |
| lst-miR-10105 | 468423           | mle-miR-745b-3p     | Lgi-Mir-22-P2 pre (5e-06)     | yes                          | -                                           |
| lst-miR-7630  | 434039           | lgi-miR-2c          | Tca-Mir-2-o53-v2 pre (2e-05)  | yes                          | -                                           |
| lst-miR-35908 | 421821           | mle-miR-1990-3p     | Cgi-Mir-1990 pre (1e-06)      | no                           | -                                           |
| lst-miR-10101 | 392273           | lgi-miR-745a        | Cgi-Mir-22-P1 pre (4e-07)     | yes                          | -                                           |
| lst-miR-16924 | 374428           | lgi-miR-281-5p      | Lgi-Mir-281-P9 pre (7e-04)    | yes                          | -                                           |
| lst-miR-7740  | 336836           | lgi-miR-2001        | Sko-Mir-2001 pre (1e-06)      | yes                          | -                                           |
| lst-miR-34322 | 329573           | lgi-miR-9-5p        | Xtr-Mir-9-P3 pre (4e-07)      | yes                          | -                                           |
| lst-miR-13433 | 312097           | lgi-miR-12          | Efe-Mir-12-P2 pre (1e-06)     | yes                          | -                                           |
| lst-miR-18294 | 310880           | lgi-miR-317         | Tca-Mir-317 pre (1e-05)       | yes                          | lst-miR-18296                               |
| lst-miR-3578  | 301808           | lgi-miR-279         | Tca-Mir-279-o22 pre (5e-06)   | yes                          | -                                           |
| lst-miR-18296 | 292983           | lgi-miR-317         | Tca-Mir-317 pre (1e-05)       | yes                          | lst-miR-18294                               |
| lst-miR-12882 | 275764           | lgi-miR-92          | Tca-Mir-92-o40 pre (8e-04)    | yes                          | -                                           |
| lst-miR-33878 | 236261           | mle-miR-750-3p      | Lan-Mir-750 pre (1e-06)       | yes                          | -                                           |
| lst-miR-27176 | 206395           | lgi-miR-2c          | Spu-Mir-92-o58 pre (8e-04)    | no                           | -                                           |
| lst-miR-10617 | 203686           | lgi-miR-92          | Spu-Mir-92-o58 pre (8e-04)    | yes                          | -                                           |
| lst-miR-10621 | 201053           | lgi-miR-92          | Tca-Mir-92-o41 pre (0.003)    | no                           | -                                           |
| lst-miR-10615 | 192403           | lgi-miR-92          | Xtr-Mir-92-P1b pre (8e-04)    | yes                          | -                                           |
| lst-miR-8539  | 161486           | lgi-miR-133-3p      | Efe-Mir-133 pre (8e-04)       | no                           | -                                           |
| lst-miR-12909 | 145561           | lgi-miR-190         | Efe-Mir-190-P6 pre (5e-06)    | yes                          | -                                           |
| lst-miR-7637  | 140359           | lgi-miR-71          | Tca-Mir-71 pre (5e-06)        | yes                          | lst-miR-7638                                |
| lst-miR-7638  | 137953           | lgi-miR-71          | Tca-Mir-71 pre (5e-06)        | yes                          | lst-miR-7637                                |
| lst-miR-33876 | 107275           | lgi-miR-1175-3p     | Lgi-Mir-1175 pre (1e-06)      | yes                          | -                                           |
| lst-miR-13439 | 99668            | lgi-miR-216b        | Lgi-Mir-216-P2 pre (1e-06)    | yes                          | -                                           |
| lst-miR-12886 | 96680            | lgi-miR-92          | Pfl-Mir-92-o45 pre (1e-06)    | no                           | -                                           |
| lst-miR-7748  | 94636            | lgi-miR-252a        | Lgi-Mir-252-P1 pre (5e-06)    | yes                          | -                                           |
| lst-miR-10619 | 60299            | lgi-miR-92          | Lgi-Mir-92-o30 pre (0.01)     | yes                          | -                                           |
| lst-miR-7628  | 59442            | lgi-miR-2c          | Cgi-Mir-2-o35 pre (1e-06)     | yes                          | -                                           |
| lst-miR-7790  | 59118            | lgi-miR-87          | Lgi-Mir-87 pre (5e-06)        | yes                          | lst-miR-7786                                |
| lst-miR-7786  | 58589            | lgi-miR-87          | Lgi-Mir-87 pre (5e-06)        | yes                          | lst-miR-7790                                |
| lst-miR-23310 | 50593            | mle-miR-365-3p      | -                             | yes                          | -                                           |
| lst-miR-33426 | 45447            | lgi-miR-153         | Xtr-Mir-153-P1 pre (1e-06)    | yes                          | -                                           |
| lst-miR-6005  | 44701            | lgi-miR-278         | Sko-Mir-278 pre (5e-06)       | yes                          | -                                           |
| lst-miR-27174 | 43029            | lgi-miR-2c          | Tca-Mir-2-P10c pre (0.032)    | yes                          | -                                           |
| lst-miR-7636  | 41151            | lgi-miR-2c          | Tca-Mir-2-o53-v2 pre (4e-07)  | yes                          | lst-miR-7632                                |
| lst-miR-37092 | 39530            | lgi-miR-375         | Xtr-Mir-375 pre (1e-05)       | yes                          | -                                           |
| lst-miR-7632  | 36144            | lgi-miR-2c          | Tca-Mir-2-o53-v2 pre (4e-07)  | yes                          | lst-miR-7636                                |
| lst-miR-22860 | 34898            | lgi-miR-1994a       | Efe-Mir-1994 pre (5e-06)      | yes                          | -                                           |
| lst-miR-13435 | 33891            | lgi-miR-216a        | Lgi-Mir-216-P1 pre (1e-06)    | yes                          | -                                           |
| lst-miR-37252 | 33019            | lgi-miR-34          | Pfl-Mir-34 pre (4e-07)        | yes                          | -                                           |
| lst-miR-26499 | 27830            | lgi-miR-2722        | Lgi-Mir-2722 pre (1e-06)      | yes                          | -                                           |
| lst-miR-17164 | 27689            | lgi-miR-31          | Xtr-Mir-31 pre (1e-05)        | yes                          | -                                           |
| lst-miR-28286 | 25584            | mle-miR-219-3p      | Pmi-Mir-219 pre (5e-06)       | yes                          | -                                           |
| lst-miR-4913  | 22494            | -                   | -                             | no                           | -                                           |
| lst-miR-7708  | 21844            | lgi-miR-193         | Lgi-Mir-193-P1 pre (7e-04)    | yes                          | -                                           |
| lst-miR-8448  | 20481            | lgi-miR-29          | Lgi-Mir-29-P1 pre (5e-06)     | yes                          | -                                           |
| lst-miR-3847  | 19026            | mle-miR-10b-5p      | Cgi-Mir-10-P5 pre (8e-04)     | yes                          | -                                           |
| lst-miR-7746  | 17581            | lgi-miR-252b        | Lgi-Mir-252-P2 pre (1e-06)    | yes                          | -                                           |
| lst-miR-12760 | 16703            | -                   | Spu-Mir-210-v2 pre (0.003)    | no                           | -                                           |
| lst-miR-14034 | 16014            | lgi-miR-1993        | Lan-Mir-1993 pre (1e-06)      | yes                          | -                                           |
| lst-miR-27019 | 14332            | lgi-miR-124         | Xtr-Mir-124-P3-v2 pre (1e-05) | yes                          | -                                           |
| lst-miR-16881 | 14160            | -                   | -                             | no                           | -                                           |
| lst-miR-27172 | 10309            | -                   | -                             | yes                          | -                                           |
| lst-miR-21055 | 10200            | mle-miR-12104-3p    | -                             | yes                          | -                                           |
| lst-miR-22862 | 9163             | lgi-miR-1994a       | Lgi-Mir-1994-P2 pre (1e-05)   | yes                          | -                                           |
| lst-miR-27170 | 7702             | lgi-miR-2c          | Tca-Mir-2-P10a pre (0.010)    | no                           | lst-miR-27166                               |
| lst-miR-27166 | 7662             | lgi-miR-2c          | Tca-Mir-2-P10a pre (0.010)    | no                           | lst-miR-27170                               |
| lst-miR-27164 | 6120             | lgi-miR-2c          | Tca-Mir-2-P10a pre (0.002)    | no                           | -                                           |
| lst-miR-18279 | 6076             | lgi-miR-34          | Tca-Mir-34 pre (6e-05)        | no                           | -                                           |
| lst-miR-31124 | 5754             | lgi-miR-1992        | Lgi-Mir-1992-P2 pre (5e-06)   | yes                          | -                                           |
| lst-miR-27168 | 5097             | lgi-miR-2c          | -                             | no                           | -                                           |
| lst-miR-27179 | 4839             | -                   | -                             | no                           | lst-miR-27180                               |
| lst-miR-27178 | 4670             | lgi-miR-2c          | -                             | no                           | -                                           |
| lst-miR-34017 | 4527             | mle-miR-12096a-3p   | -                             | yes                          | -                                           |
| lst-miR-13956 | 4511             | lgi-miR-96b         | Lgi-Mir-96-P1b pre (4e-07)    | no                           | -                                           |
| lst-miR-35906 | 4277             | hru-miR-1986        | Lgi-Mir-1986 pre (5e-06)      | yes                          | lst-miR-32228, lst-miR-35904, lst-miR-36257 |
| lst-miR-32228 | 4277             | hru-miR-1986        | Lgi-Mir-1986 pre (5e-06)      | yes                          | lst-miR-35906                               |
| lst-miR-35904 | 4277             | hru-miR-1986        | Lgi-Mir-1986 pre (5e-06)      | yes                          | lst-miR-35906                               |
| lst-miR-36257 | 4277             | hru-miR-1986        | Lgi-Mir-1986 pre (5e-06)      | yes                          | lst-miR-35906                               |
| lst-miR-18140 | 4185             | -                   | -                             | no                           | -                                           |
| lst-miR-8536  | 3684             | mle-miR-1-5p        | Cgi-Mir-1 pre (1e-06)         | yes                          | -                                           |
| lst-miR-18359 | 3141             | -                   | -                             | no                           | -                                           |
| lst-miR-22007 | 2858             | -                   | -                             | no                           | -                                           |
| lst-miR-29356 | 2819             | -                   | -                             | no                           | -                                           |
| lst-miR-12657 | 2751             | -                   | -                             | no                           | lst-miR-12659                               |
| lst-miR-12659 | 2733             | -                   | -                             | no                           | lst-miR-12657, lst-miR-12658                |
| lst-miR-12658 | 2731             | -                   | -                             | no                           | lst-miR-12659                               |
| lst-miR-4873  | 2725             | -                   | Rno-Mir-192-P2 pre (0.040)    | no                           | -                                           |
| lst-miR-13528 | 2614             | lgi-miR-7           | Xtr-Mir-7-P4 pre (2e-05)      | yes                          | lst-miR-13527                               |
| lst-miR-4876  | 2553             | -                   | -                             | no                           | -                                           |
| lst-miR-27180 | 2547             | -                   | -                             | no                           | lst-miR-27179                               |
| lst-miR-12870 | 2448             | -                   | -                             | no                           | -                                           |
| lst-miR-4881  | 2366             | -                   | -                             | no                           | -                                           |
| lst-miR-19132 | 2324             | lgi-miR-137         | Lgi-Mir-137 pre (1e-06)       | yes                          | -                                           |
| lst-miR-33650 | 2205             | mle-miR-210-3p      | Lan-Mir-210 pre (0.032)       | yes                          | lst-miR-35203                               |
| lst-miR-35203 | 2205             | mle-miR-210-3p      | Lan-Mir-210 pre (0.032)       | yes                          | lst-miR-33650                               |
| lst-miR-5015  | 2203             | -                   | -                             | no                           | -                                           |
| lst-miR-35452 | 1984             | -                   | -                             | no                           | -                                           |
| lst-miR-4916  | 1890             | -                   | -                             | no                           | -                                           |
| lst-miR-25250 | 1785             | -                   | -                             | no                           | -                                           |
| lst-miR-13527 | 1772             | lgi-miR-7           | Xtr-Mir-7-P4 pre (2e-05)      | yes                          | lst-miR-13528                               |
| lst-miR-4887  | 1691             | -                   | -                             | no                           | -                                           |
| lst-miR-3861  | 1589             | hru-miR-1991        | -                             | yes                          | -                                           |
| lst-miR-27160 | 1451             | mle-miR-2k-3p       | Dmo-Mir-2-P3 pre (0.003)      | no                           | -                                           |
| lst-miR-26808 | 1362             | lgi-miR-33-5p       | Xtr-Mir-33-P2 pre (2e-05)     | yes                          | -                                           |
| lst-miR-12860 | 1282             | -                   | -                             | no                           | -                                           |
| lst-miR-15743 | 1271             | -                   | -                             | yes                          | -                                           |
| lst-miR-4909  | 1176             | -                   | -                             | no                           | -                                           |
| lst-miR-12861 | 1096             | -                   | -                             | no                           | -                                           |

|               |     |                  |                           |     |                                             |
|---------------|-----|------------------|---------------------------|-----|---------------------------------------------|
| lsl-miR-17186 | 995 | mle-miR-12099-5p | -                         | no  | -                                           |
| lsl-miR-27156 | 843 | -                | -                         | no  | -                                           |
| lsl-miR-4880  | 766 | -                | -                         | no  | -                                           |
| lsl-miR-27158 | 685 | mle-miR-2k-3p    | lsc-Mir-67 pre (0.007)    | no  | -                                           |
| lsl-miR-4902  | 685 | -                | -                         | no  | -                                           |
| lsl-miR-550   | 675 | -                | -                         | no  | -                                           |
| lsl-miR-4890  | 600 | -                | -                         | no  | -                                           |
| lsl-miR-17669 | 520 | -                | -                         | no  | -                                           |
| lsl-miR-4891  | 518 | -                | -                         | no  | -                                           |
| lsl-miR-12864 | 458 | -                | -                         | no  | -                                           |
| lsl-miR-28733 | 440 | -                | -                         | no  | -                                           |
| lsl-miR-4911  | 435 | mle-miR-1991-3p  | -                         | no  | -                                           |
| lsl-miR-3632  | 412 | lgi-miR-263b     | lgi-Mir-96-P3 pre (4e-07) | yes | -                                           |
| lsl-miR-4885  | 395 | -                | -                         | no  | -                                           |
| lsl-miR-4808  | 374 | lgi-miR-100      | -                         | no  | -                                           |
| lsl-miR-17764 | 369 | -                | -                         | no  | -                                           |
| lsl-miR-25252 | 341 | -                | -                         | no  | lsl-miR-23654, lsl-miR-36401                |
| lsl-miR-23654 | 341 | -                | -                         | no  | lsl-miR-25252                               |
| lsl-miR-36401 | 341 | -                | -                         | no  | lsl-miR-25252                               |
| lsl-miR-29741 | 306 | -                | -                         | no  | -                                           |
| lsl-miR-19987 | 286 | -                | -                         | no  | -                                           |
| lsl-miR-12865 | 282 | -                | -                         | no  | -                                           |
| lsl-miR-12867 | 256 | -                | -                         | no  | -                                           |
| lsl-miR-8846  | 249 | -                | -                         | no  | -                                           |
| lsl-miR-19456 | 223 | lgi-miR-67       | Cgi-Mir-67-P6 pre (0.026) | no  | lsl-miR-19458                               |
| lsl-miR-19458 | 223 | lgi-miR-67       | Cgi-Mir-67-P6 pre (0.026) | no  | lsl-miR-19456                               |
| lsl-miR-12610 | 218 | -                | -                         | no  | -                                           |
| lsl-miR-31276 | 209 | lgi-miR-92       | -                         | no  | -                                           |
| lsl-miR-980   | 196 | -                | -                         | no  | -                                           |
| lsl-miR-23156 | 194 | -                | -                         | no  | -                                           |
| lsl-miR-2754  | 191 | -                | -                         | no  | -                                           |
| lsl-miR-4866  | 178 | -                | -                         | no  | -                                           |
| lsl-miR-29638 | 176 | -                | -                         | no  | -                                           |
| lsl-miR-3217  | 173 | -                | -                         | no  | -                                           |
| lsl-miR-16345 | 167 | -                | -                         | no  | -                                           |
| lsl-miR-4895  | 163 | -                | -                         | no  | -                                           |
| lsl-miR-26515 | 158 | -                | -                         | no  | -                                           |
| lsl-miR-32707 | 157 | lgi-miR-375      | -                         | no  | lsl-miR-31388, lsl-miR-32505, lsl-miR-35468 |
| lsl-miR-32496 | 154 | -                | -                         | no  | lsl-miR-33850                               |
| lsl-miR-33850 | 154 | -                | -                         | no  | lsl-miR-32496                               |
| lsl-miR-19688 | 153 | -                | -                         | no  | -                                           |
| lsl-miR-27162 | 146 | mle-miR-2k-3p    | Dmo-Mir-2-P4a pre (7e-04) | yes | -                                           |
| lsl-miR-5315  | 144 | -                | -                         | no  | lsl-miR-5317, lsl-miR-5316                  |
| lsl-miR-5317  | 144 | -                | -                         | no  | lsl-miR-5315                                |
| lsl-miR-5316  | 143 | -                | -                         | no  | lsl-miR-5315                                |
| lsl-miR-5481  | 142 | -                | -                         | no  | -                                           |
| lsl-miR-2971  | 139 | mle-miR-12103-3p | -                         | no  | -                                           |
| lsl-miR-3863  | 131 | -                | -                         | no  | -                                           |
| lsl-miR-4872  | 128 | -                | -                         | no  | -                                           |
| lsl-miR-31388 | 128 | lgi-miR-375      | -                         | no  | lsl-miR-32707                               |
| lsl-miR-32505 | 128 | lgi-miR-375      | -                         | no  | lsl-miR-32707                               |
| lsl-miR-35468 | 128 | lgi-miR-375      | -                         | no  | lsl-miR-32707                               |
| lsl-miR-12874 | 126 | -                | -                         | no  | -                                           |
| lsl-miR-20906 | 122 | -                | -                         | no  | -                                           |
| lsl-miR-17026 | 121 | -                | -                         | no  | -                                           |
| lsl-miR-21794 | 120 | -                | -                         | no  | -                                           |
| lsl-miR-4450  | 120 | -                | -                         | no  | -                                           |
| lsl-miR-15537 | 117 | -                | -                         | no  | -                                           |
| lsl-miR-4869  | 114 | -                | Lan-Novet-1 pre (0.035)   | no  | -                                           |
| lsl-miR-31960 | 107 | -                | -                         | no  | -                                           |
| lsl-miR-33060 | 107 | -                | -                         | yes | -                                           |
| lsl-miR-14919 | 102 | -                | -                         | no  | -                                           |
| lsl-miR-19506 | 100 | -                | -                         | no  | -                                           |
| lsl-miR-9488  | 100 | -                | -                         | no  | -                                           |
| lsl-miR-22718 | 99  | -                | -                         | no  | -                                           |
| lsl-miR-4893  | 99  | lgi-miR-33-5p    | -                         | no  | -                                           |
| lsl-miR-2064  | 95  | -                | -                         | no  | -                                           |
| lsl-miR-21821 | 91  | -                | -                         | no  | lsl-miR-21822                               |
| lsl-miR-12716 | 90  | -                | -                         | no  | -                                           |
| lsl-miR-33061 | 90  | -                | -                         | no  | -                                           |
| lsl-miR-4897  | 88  | -                | -                         | no  | -                                           |
| lsl-miR-30268 | 86  | -                | -                         | no  | -                                           |
| lsl-miR-21822 | 83  | -                | -                         | no  | lsl-miR-21821                               |
| lsl-miR-5250  | 81  | -                | -                         | no  | -                                           |
| lsl-miR-27502 | 76  | -                | -                         | no  | -                                           |
| lsl-miR-30277 | 74  | -                | -                         | no  | -                                           |
| lsl-miR-3576  | 72  | -                | Cgi-Mir-36 pre (2e-05)    | yes | -                                           |
| lsl-miR-5257  | 71  | -                | -                         | no  | -                                           |
| lsl-miR-17411 | 70  | -                | -                         | no  | -                                           |
| lsl-miR-3271  | 68  | -                | -                         | no  | lsl-miR-3234                                |
| lsl-miR-728   | 68  | -                | -                         | no  | -                                           |
| lsl-miR-3234  | 68  | -                | -                         | no  | lsl-miR-3271                                |
| lsl-miR-8921  | 66  | -                | -                         | no  | -                                           |
| lsl-miR-25580 | 65  | -                | -                         | no  | -                                           |
| lsl-miR-4878  | 64  | -                | -                         | no  | -                                           |
| lsl-miR-24922 | 60  | -                | -                         | no  | -                                           |
| lsl-miR-7558  | 60  | -                | -                         | no  | -                                           |
| lsl-miR-3023  | 59  | -                | -                         | no  | lsl-miR-3022, lsl-miR-3024                  |
| lsl-miR-3022  | 59  | -                | -                         | no  | lsl-miR-3023                                |
| lsl-miR-3024  | 59  | -                | -                         | no  | lsl-miR-3023                                |
| lsl-miR-19821 | 57  | -                | -                         | no  | -                                           |
| lsl-miR-6084  | 53  | -                | -                         | no  | -                                           |
| lsl-miR-12858 | 51  | -                | -                         | no  | -                                           |
| lsl-miR-14782 | 51  | -                | -                         | no  | -                                           |
| lsl-miR-3634  | 49  | lgi-miR-96a      | Spu-Mir-96-P3 pre (0.04)  | yes | -                                           |
| lsl-miR-30133 | 49  | -                | -                         | no  | -                                           |
| lsl-miR-34521 | 47  | -                | -                         | no  | -                                           |
| lsl-miR-18985 | 46  | -                | -                         | no  | -                                           |
| lsl-miR-25092 | 46  | -                | -                         | no  | -                                           |
| lsl-miR-13774 | 45  | -                | -                         | no  | -                                           |
| lsl-miR-12018 | 43  | -                | -                         | no  | -                                           |
| lsl-miR-23716 | 43  | -                | -                         | no  | -                                           |
| lsl-miR-5424  | 43  | -                | -                         | no  | -                                           |
| lsl-miR-26497 | 42  | -                | -                         | no  | -                                           |
| lsl-miR-15081 | 41  | -                | -                         | no  | -                                           |
| lsl-miR-23718 | 41  | -                | -                         | no  | -                                           |
| lsl-miR-24390 | 41  | -                | -                         | no  | -                                           |
| lsl-miR-4789  | 41  | -                | -                         | no  | -                                           |
| lsl-miR-10607 | 40  | -                | -                         | no  | -                                           |
| lsl-miR-35940 | 38  | -                | -                         | no  | -                                           |
| lsl-miR-34585 | 37  | -                | -                         | no  | -                                           |
| lsl-miR-8345  | 37  | -                | -                         | no  | -                                           |
| lsl-miR-2321  | 36  | -                | -                         | no  | lsl-miR-2323                                |
| lsl-miR-36972 | 36  | -                | -                         | no  | -                                           |
| lsl-miR-2323  | 36  | -                | -                         | no  | lsl-miR-2321                                |
| lsl-miR-11230 | 35  | -                | -                         | no  | lsl-miR-11277                               |
| lsl-miR-898   | 35  | lgi-miR-1988     | -                         | no  | -                                           |
| lsl-miR-29990 | 34  | -                | -                         | no  | lsl-miR-29989                               |
| lsl-miR-32055 | 34  | -                | -                         | no  | -                                           |

|                |    |               |                          |    |                                                                                |
|----------------|----|---------------|--------------------------|----|--------------------------------------------------------------------------------|
| l1st-miR-29989 | 34 | -             | -                        | no | l1st-miR-29990                                                                 |
| l1st-miR-3029  | 33 | -             | -                        | no | -                                                                              |
| l1st-miR-4907  | 32 | -             | -                        | no | -                                                                              |
| l1st-miR-11277 | 32 | -             | -                        | no | l1st-miR-11230                                                                 |
| l1st-miR-21419 | 29 | -             | -                        | no | -                                                                              |
| l1st-miR-21591 | 29 | -             | -                        | no | -                                                                              |
| l1st-miR-1007  | 28 | -             | -                        | no | -                                                                              |
| l1st-miR-25758 | 28 | -             | -                        | no | l1st-miR-25757                                                                 |
| l1st-miR-26764 | 28 | -             | -                        | no | -                                                                              |
| l1st-miR-5333  | 28 | -             | -                        | no | -                                                                              |
| l1st-miR-24319 | 27 | -             | -                        | no | -                                                                              |
| l1st-miR-10227 | 26 | -             | -                        | no | l1st-miR-10225, l1st-miR-10226                                                 |
| l1st-miR-4612  | 26 | -             | -                        | no | -                                                                              |
| l1st-miR-10225 | 26 | -             | -                        | no | l1st-miR-10227                                                                 |
| l1st-miR-12872 | 25 | -             | -                        | no | -                                                                              |
| l1st-miR-13013 | 25 | -             | -                        | no | -                                                                              |
| l1st-miR-18053 | 25 | -             | -                        | no | l1st-miR-18052                                                                 |
| l1st-miR-10226 | 25 | -             | -                        | no | l1st-miR-10227                                                                 |
| l1st-miR-18052 | 25 | -             | -                        | no | l1st-miR-18053                                                                 |
| l1st-miR-11740 | 24 | -             | -                        | no | -                                                                              |
| l1st-miR-17709 | 24 | -             | -                        | no | -                                                                              |
| l1st-miR-17983 | 24 | -             | -                        | no | -                                                                              |
| l1st-miR-33528 | 24 | -             | -                        | no | -                                                                              |
| l1st-miR-1995  | 23 | -             | -                        | no | -                                                                              |
| l1st-miR-22913 | 23 | -             | -                        | no | -                                                                              |
| l1st-miR-7190  | 23 | -             | -                        | no | -                                                                              |
| l1st-miR-1462  | 22 | -             | -                        | no | -                                                                              |
| l1st-miR-19381 | 21 | -             | -                        | no | l1st-miR-19378                                                                 |
| l1st-miR-24652 | 21 | -             | -                        | no | -                                                                              |
| l1st-miR-30994 | 21 | -             | -                        | no | -                                                                              |
| l1st-miR-5382  | 21 | -             | -                        | no | -                                                                              |
| l1st-miR-7892  | 21 | -             | -                        | no | -                                                                              |
| l1st-miR-19378 | 21 | -             | -                        | no | l1st-miR-19381                                                                 |
| l1st-miR-109   | 20 | -             | -                        | no | l1st-miR-111                                                                   |
| l1st-miR-17673 | 20 | -             | -                        | no | -                                                                              |
| l1st-miR-18302 | 20 | -             | -                        | no | -                                                                              |
| l1st-miR-19380 | 20 | -             | -                        | no | -                                                                              |
| l1st-miR-2236  | 20 | -             | -                        | no | l1st-miR-2235                                                                  |
| l1st-miR-3902  | 20 | -             | -                        | no | -                                                                              |
| l1st-miR-111   | 20 | -             | -                        | no | l1st-miR-109                                                                   |
| l1st-miR-2235  | 20 | -             | -                        | no | l1st-miR-2236                                                                  |
| l1st-miR-14229 | 19 | -             | -                        | no | -                                                                              |
| l1st-miR-14966 | 19 | -             | -                        | no | -                                                                              |
| l1st-miR-24590 | 19 | -             | -                        | no | l1st-miR-7829, l1st-miR-11569                                                  |
| l1st-miR-24829 | 19 | -             | -                        | no | l1st-miR-24830                                                                 |
| l1st-miR-25575 | 19 | -             | -                        | no | -                                                                              |
| l1st-miR-31841 | 19 | -             | -                        | no | -                                                                              |
| l1st-miR-9222  | 19 | -             | -                        | no | -                                                                              |
| l1st-miR-24830 | 19 | -             | -                        | no | l1st-miR-24829                                                                 |
| l1st-miR-25757 | 19 | -             | -                        | no | l1st-miR-25758                                                                 |
| l1st-miR-7829  | 19 | -             | -                        | no | l1st-miR-24590                                                                 |
| l1st-miR-21678 | 18 | -             | -                        | no | -                                                                              |
| l1st-miR-21952 | 18 | -             | -                        | no | -                                                                              |
| l1st-miR-26373 | 18 | -             | -                        | no | -                                                                              |
| l1st-miR-28161 | 18 | -             | -                        | no | -                                                                              |
| l1st-miR-31183 | 18 | -             | -                        | no | -                                                                              |
| l1st-miR-32057 | 18 | -             | -                        | no | -                                                                              |
| l1st-miR-3335  | 18 | -             | -                        | no | -                                                                              |
| l1st-miR-35292 | 18 | -             | -                        | no | -                                                                              |
| l1st-miR-8561  | 18 | -             | -                        | no | l1st-miR-8559                                                                  |
| l1st-miR-9511  | 18 | -             | -                        | no | -                                                                              |
| l1st-miR-8559  | 18 | -             | -                        | no | l1st-miR-8561                                                                  |
| l1st-miR-896   | 18 | l1gi-miR-1988 | -                        | no | -                                                                              |
| l1st-miR-17750 | 17 | -             | -                        | no | -                                                                              |
| l1st-miR-31159 | 17 | -             | -                        | no | -                                                                              |
| l1st-miR-11569 | 17 | -             | -                        | no | l1st-miR-24590                                                                 |
| l1st-miR-21445 | 16 | -             | -                        | no | -                                                                              |
| l1st-miR-3113  | 16 | -             | -                        | no | l1st-miR-3111, l1st-miR-3114                                                   |
| l1st-miR-8292  | 16 | -             | -                        | no | -                                                                              |
| l1st-miR-9134  | 16 | -             | -                        | no | -                                                                              |
| l1st-miR-3111  | 16 | -             | -                        | no | l1st-miR-3113                                                                  |
| l1st-miR-3114  | 16 | -             | -                        | no | l1st-miR-3113                                                                  |
| l1st-miR-21523 | 15 | -             | -                        | no | l1st-miR-21524                                                                 |
| l1st-miR-35133 | 15 | -             | -                        | no | l1st-miR-35131                                                                 |
| l1st-miR-9724  | 15 | -             | -                        | no | -                                                                              |
| l1st-miR-35131 | 15 | -             | -                        | no | l1st-miR-35133                                                                 |
| l1st-miR-1967  | 14 | l1gi-miR-317  | l1sc-Mir-317_pre (0.002) | no | -                                                                              |
| l1st-miR-18665 | 14 | -             | -                        | no | -                                                                              |
| l1st-miR-19536 | 14 | -             | -                        | no | -                                                                              |
| l1st-miR-19859 | 14 | -             | -                        | no | -                                                                              |
| l1st-miR-27561 | 14 | -             | -                        | no | -                                                                              |
| l1st-miR-28001 | 14 | -             | -                        | no | -                                                                              |
| l1st-miR-5365  | 14 | -             | -                        | no | -                                                                              |
| l1st-miR-6963  | 14 | -             | -                        | no | -                                                                              |
| l1st-miR-22103 | 13 | -             | -                        | no | -                                                                              |
| l1st-miR-22820 | 13 | -             | -                        | no | -                                                                              |
| l1st-miR-26362 | 13 | -             | -                        | no | -                                                                              |
| l1st-miR-26687 | 13 | -             | -                        | no | -                                                                              |
| l1st-miR-8945  | 13 | -             | -                        | no | -                                                                              |
| l1st-miR-9106  | 13 | -             | -                        | no | l1st-miR-9105                                                                  |
| l1st-miR-9105  | 13 | -             | -                        | no | l1st-miR-9106                                                                  |
| l1st-miR-15785 | 12 | -             | -                        | no | -                                                                              |
| l1st-miR-36400 | 12 | -             | -                        | no | l1st-miR-23689, l1st-miR-23690, l1st-miR-25261, l1st-miR-25262, l1st-miR-36399 |
| l1st-miR-8028  | 12 | -             | -                        | no | -                                                                              |
| l1st-miR-21524 | 12 | -             | -                        | no | l1st-miR-21523                                                                 |
| l1st-miR-23689 | 12 | -             | -                        | no | l1st-miR-36400                                                                 |
| l1st-miR-23690 | 12 | -             | -                        | no | l1st-miR-36400                                                                 |
| l1st-miR-25261 | 12 | -             | -                        | no | l1st-miR-36400                                                                 |
| l1st-miR-25262 | 12 | -             | -                        | no | l1st-miR-36400                                                                 |
| l1st-miR-36399 | 12 | -             | -                        | no | l1st-miR-36400                                                                 |
| l1st-miR-13424 | 11 | -             | -                        | no | -                                                                              |
| l1st-miR-17791 | 11 | -             | -                        | no | -                                                                              |
| l1st-miR-32605 | 11 | -             | -                        | no | -                                                                              |
| l1st-miR-3590  | 11 | -             | -                        | no | l1st-miR-3591                                                                  |
| l1st-miR-5965  | 11 | -             | -                        | no | -                                                                              |
| l1st-miR-7023  | 11 | -             | -                        | no | -                                                                              |
| l1st-miR-3591  | 11 | -             | -                        | no | l1st-miR-3590                                                                  |
| l1st-miR-13033 | 10 | -             | -                        | no | -                                                                              |
| l1st-miR-20899 | 10 | -             | -                        | no | -                                                                              |
| l1st-miR-25529 | 10 | -             | -                        | no | -                                                                              |
| l1st-miR-25756 | 10 | -             | -                        | no | -                                                                              |
| l1st-miR-3224  | 10 | -             | -                        | no | -                                                                              |
| l1st-miR-35400 | 10 | -             | -                        | no | -                                                                              |
| l1st-miR-5472  | 10 | -             | -                        | no | -                                                                              |
| l1st-miR-6991  | 10 | -             | -                        | no | -                                                                              |
| l1st-miR-9333  | 10 | -             | -                        | no | -                                                                              |
| l1st-miR-9552  | 10 | -             | -                        | no | l1st-miR-9551, l1st-miR-9553                                                   |
| l1st-miR-9551  | 10 | -             | -                        | no | l1st-miR-9552                                                                  |
| l1st-miR-9553  | 10 | -             | -                        | no | l1st-miR-9552                                                                  |

|               |    |             |                            |    |               |
|---------------|----|-------------|----------------------------|----|---------------|
| Ist-miR-16336 | 10 | Igi-miR-750 | -                          | no | -             |
| Ist-miR-13804 | 9  | -           | -                          | no | -             |
| Ist-miR-15906 | 9  | -           | -                          | no | Ist-miR-15895 |
| Ist-miR-19797 | 9  | -           | -                          | no | -             |
| Ist-miR-2100  | 9  | -           | -                          | no | Ist-miR-2049  |
| Ist-miR-21005 | 9  | -           | -                          | no | -             |
| Ist-miR-2145  | 9  | -           | -                          | no | -             |
| Ist-miR-24657 | 9  | -           | -                          | no | -             |
| Ist-miR-26371 | 9  | -           | -                          | no | Ist-miR-26360 |
| Ist-miR-7954  | 9  | -           | -                          | no | -             |
| Ist-miR-8188  | 9  | -           | -                          | no | -             |
| Ist-miR-9254  | 9  | -           | -                          | no | -             |
| Ist-miR-9279  | 9  | -           | -                          | no | -             |
| Ist-miR-9572  | 9  | -           | -                          | no | -             |
| Ist-miR-15895 | 9  | -           | -                          | no | Ist-miR-15906 |
| Ist-miR-2049  | 9  | -           | -                          | no | Ist-miR-2100  |
| Ist-miR-26360 | 9  | -           | -                          | no | Ist-miR-26371 |
| Ist-miR-14073 | 8  | -           | -                          | no | -             |
| Ist-miR-16468 | 8  | -           | -                          | no | -             |
| Ist-miR-28521 | 8  | -           | -                          | no | -             |
| Ist-miR-3040  | 8  | -           | -                          | no | -             |
| Ist-miR-32711 | 8  | -           | -                          | no | -             |
| Ist-miR-4120  | 8  | -           | -                          | no | -             |
| Ist-miR-5930  | 8  | -           | -                          | no | -             |
| Ist-miR-24656 | 7  | -           | -                          | no | -             |
| Ist-miR-25108 | 7  | -           | -                          | no | -             |
| Ist-miR-30125 | 7  | -           | -                          | no | -             |
| Ist-miR-4905  | 6  | Igi-miR-153 | Cel-Mir-4806_pre (0.032)   | no | -             |
| Ist-miR-3721  | 6  | -           | Ami-Mir-34-P3c_pre (0.010) | no | -             |
| Ist-miR-13723 | 6  | -           | -                          | no | -             |
| Ist-miR-32535 | 6  | -           | -                          | no | -             |
| Ist-miR-33492 | 6  | -           | -                          | no | -             |
| Ist-miR-3491  | 6  | -           | -                          | no | -             |
| Ist-miR-3645  | 6  | -           | -                          | no | -             |
| Ist-miR-8453  | 6  | -           | -                          | no | -             |
| Ist-miR-19981 | 5  | -           | -                          | no | -             |
| Ist-miR-3439  | 5  | -           | -                          | no | -             |
| Ist-miR-7412  | 5  | -           | -                          | no | Ist-miR-7355  |
| Ist-miR-7355  | 5  | -           | -                          | no | Ist-miR-7412  |
| Ist-miR-22415 | 4  | -           | -                          | no | -             |
| Ist-miR-27219 | 4  | -           | -                          | no | -             |