## Supplementary Table 2. Venn diagram list in preterm labor

| Group | Down-regulated miRNA | Up-regulated miRNA |
|-------|-----------------------|--------------------|
|       | No. | LIST | Gene Symbol | No. | LIST | Gene Symbol |
| Common | 1 | miR-4526 | PTX3 | 1 | miR-557 | CHODL |
|        | 2 | miR-4477a | NSTD2 | 2 | miR-200a-3p | MYBL1 |
|        | 3 | miR-5486 | SPTBN1 | 3 | miR-373-3p | RDX |
|        | 4 | miR-415 | NOG, GCNT1 | 4 | miR-708-3p | MCM9 |
|        | 5 | miR-4259 | CYTH2 | 5 | miR-1 | VAMP4, MXD1, FND3C |
|        | 6 | miR-188-3p | INP54A | 6 | miR-188-3p | ACER3 |
|        | 7 | miR-5486 | DGN1ND4 | 7 | miR-483-3p | ACER3, RNASE11, ZBTB38 |
|        | 8 | miR-3160-3p | KATNAL1, PDE8B | 8 | miR-4698 | NRP1, GCA |
|        | 9 | miR-1303-3p | UBE3B, SEL1L3 | 9 | miR-4736 | NRP1 |
|        | 10 | miR-4295 | GABBR1, UBD | 10 | miR-754ae | MICAL3 |
|        | 11 | miR-4297 | PPARD | 11 | miR-548ac | TNSF2 |
|        | 12 | miR-4669 | CLDN12, GTPBP10 | 12 | miR-223-3p | PKNOX1 |
|        | 13 | miR-4994 | ARAP3 | 13 | miR-204-3p | LOC221710, C2CD2 |
|        | 14 | miR-202-3p | CREM | 14 | miR-4796-3p | UVRAG, RYBP |
|        | 15 | miR-548ak | LEF1 | 15 | miR-3163 | CACNA1G |
|        | 16 | miR-3535-3p | ZSWIM4 | 16 | miR-4786-5p | ABG1 |
|        | 17 | miR-3157-5p | TTC23 | 17 | miR-760 | HST1H2B |
|        | 18 | miR-3646 | FIL1P1L | 18 | miR-612 | RYBP |
|        | 19 | miR-3124-3p | ATF2 | 19 | miR-4736 | ZNF608 |
|        | 20 | miR-3187-3p | ZNF608 | 20 | miR-3187-3p | ASAP3 |
| Preterm labor without inflammation | 1 | miR-4763-5p | TXNRD1 | 1 | miR-659-3p | INSIG1, NIK, RAB27A, ZNF507, MAP7 |
|        | 2 | miR-23c | TXNRD1, NCOA1, WBPI | 2 | miR-466 | SCD5, ANKRD11, PDCH18, NRC1 |
|        | 3 | miR-3613-3p | ACTN4, ELAV1, NAFASC | 3 | miR-607 | SYNPO2, HPSE, BAT2L2, CTBS, SCPPDH, HPSE, MAMDC2 |
|        | 4 | miR-199b-5p | MAP4, FLRT3 | 4 | miR-548c-3p | TCF12, FAT5, TEM133, EPHA3, TCF12, GPR155 |
|        | 5 | miR-186-5p | MAP4, NOG, VEGFA | 5 | miR-193a-3p | ANKRD13A, ASL2C8R |
|        | 6 | miR-4769-5p | ELAV1, FAM126B | 6 | miR-4651 | ECM1 |
|        | 7 | miR-4430 | WDCD2, NGFR, DDAH1 | 7 | miR-4483 | NKTR |
|        | 8 | miR-4492 | WDCD2, WARS | 8 | miR-4695-3p | FAM47E, STBD1, SDC2 |
|        | 9 | miR-4796-3p | EIF4EBP1, ARPC1A, ARPC1B | 9 | miR-4708-3p | ZAK, FRMD4B, OPRK1 |
|        | 10 | miR-4713-5p | SPOCK1 | 10 | miR-212-3p | FAM91A1, FAM91A2 |
|        | 11 | miR-7-5p | ITFRC1 | 11 | miR-3187-5p | TCF12, CCDC76, CCDC76 |
|        | 12 | miR-1299-3p | CTOR1F1, PTPLA, MAP18 | 12 | miR-641 | FGFR3, ATP6AP2, OPRK1 |
|        | 13 | miR-424-5p | CTOR1F1, CTOR1F1C, WIP2, VEGFA | 13 | miR-3138 | VLDLR, GLG1 |
|        | 14 | miR-4640-5p | CD24, PAQ7, PHKG2 | 14 | miR-4438 | RNMT, SLYT2, PDZD2 |
|        | 15 | miR-374A-5p | NCOA1, WNT5A, VEGFA | 15 | miR-4733-3p | PDZD2 |
|        | 16 | miR-374C-5p | VEGFA, CLCF1 | 16 | miR-3925-5p | SYNJ1, NR1D1, ZNF468, FBX03 |
|        | 17 | miR-520b, miR-520c-3p | GALNT3 | 17 | miR-4287 | STK17A |
|        | 18 | miR-520h | SORL1, VCL | 18 | miR-4519 | HPSE |
|        | 19 | miR-101-3p | TNKS2, FLRT3 | 19 | miR-441b | RAB27A, FAM115A, VTA1 |
|        | 20 | miR-224-5p | NOTUM | 20 | miR-371a-5p | RNF41, CELF2, EXOC4 |
|        | 21 | miR-326 | RIT1, PARVA | 21 | miR-873-5p | AFAP1L2, CELF2, TUSC3 |
|        | 22 | miR-4680-5p | VAP1, CD163, NOG | 22 | miR-3176 | LPHN3, PPP1R12A |
|        | 23 | miR-515-5p | CLCF1, CA4, CP110 | 23 | miR-3161 | PHF20L1, RCTOR |
|        | 24 | miR-217 | CLCF1 | 24 | miR-1321 | ADAM11 |
|        | 25 | miR-519a-3p, miR-519b-3p, miR-519c-3p | ITGB4 | 25 | miR-514b-5p | CELF2, HP1B3P, PPP1R3C |
|        | 26 | miR-519a-3p, miR-519b-3p, miR-519c-3p | ITGB4 | 26 | miR-3177-5 | PDCH18 |
|        | 27 | miR-519b-3p | ITGB4 | 27 | miR-1276 | ALS2CR8, PPP2R5C |
|        | 28 | miR-3921 | IL27RA, CERCAM | 28 | miR-3920 | ALS2CR8 |
|        | 29 | miR-4667-3p | FAML10B | 29 | miR-4461 | DMD, FBX03 |
|        | 30 | miR-4667-5p | FBLN1 | 30 | miR-129-5p | GALNT1, TNPO1, TRIO, NRR1 |
|        | 31 | miR-4487 | SLCA6A8, FLT1 | 31 | miR-4690-3p | MAP7 |
|        | 32 | miR-4324 | IGDC3 | 32 | miR-940 | PMRL4 |
|        | 33 | miR-1184 | DSEL | 33 | miR-4741 | NCO1 |
|        | 34 | miR-301b | DSEL | 34 | miR-3675-3p | ADM |
|        | 35 | miR-548a-5p | TCF20, IREB2 | 35 | miR-3185 | POU2F3 |
|        | 36 | miR-218-5p | EGLN3, GALNT3 | 36 | miR-3128 | MEX3A, NF1 |
|        | 37 | miR-1254 | PAQR7 | 37 | miR-371b-5p | EXOC4 |
|        | 38 | miR-3194-3p | NOG, GCNT1 | 38 | miR-371b-5p | GLG1 |

(Continued to the next page)
### Supplementary Table 2, Continued

| Group | Down-regulated miRNA | Up-regulated miRNA |
|-------|-----------------------|--------------------|
|       | No.                   | LIST               | No. | LIST       |
|       |                      | Gene Symbol        |     | Gene Symbol |
| 39    | miR-96-5p             | GCNT1, HTRA4, DDAH1| 39  | miR-3128   |
| 40    | miR-576-5p            | SLC39A14           |     | C15orf29   |
| 41    | miR-4735-5p           | SLC39A14           |     |            |
| 42    | miR-2116-5p           | FLRT3              |     |            |
| 43    | miR-542-3p            | FLRT3              |     |            |
| 44    | let-7f-5p, let-7g-5p  | MSR1               |     |            |
| 45    | miR-340-5p            | NOG, ACPL2         |     |            |
| 46    | miR-29c-3p            | VEGFA, ACPL2, IREB2|     |            |
| 47    | miR-590-5p            | RMNDS5A, VCL       |     |            |
| 48    | miR-885-3p            | OTUD5              |     |            |
| 49    | miR-1269b             | MXRA7              |     |            |
| 50    | miR-4474-3p           | MXRA7              |     |            |
| 51    | miR-323a-3p           | FLT1               |     |            |
| 52    | miR-137               | SLC4A7             |     |            |
| 53    | miR-5047              | PHACTR3            |     |            |
| 54    | miR-518f-3p           | ZNF282             |     |            |
| 55    | miR-21-5p             | VCL                |     |            |
| 56    | miR-4685-3p           | FAM134B            |     |            |
| 57    | miR-4645-5p           | LMAN2L             |     |            |
| 58    | miR-424-5p            | OSCP1, SLC11A2     |     |            |
| 59    | miR-26b-5p            | MRAS               |     |            |

miRNA, microRNA.