**S1 Table**

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| **Candidate microRNAs** | **miRNAs level and clinical significance in tissues** | **miRNAs level and clinical significance in circulation** |
| ***miR-21*** | Most extensively investigated oncogenic microRNA whose expression is frequently up-regulated in CRC. Overexpression in tissues correlates with recurrence ,poor prognosis and chemo resistance (1-5) | Increased in CRC compared with controls (6) |
| Increased in CRC and advanced adenomas compared with controls (7) |
| Increased in CRC and advanced adenomas compared with controls (8) |
| Correlation with the recurrence and mortality of CRC patients (9) |
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| ***miR-29a*** | Increased in CRC tissues and overexpression in tissues correlates with recurrence and poor prognosis.(10-12) | Increased in CRC and advanced adenomas compared with controls (13) |
| Increased in CRC compared with controls (14) |
| Increased in CRC with liver metastasis compared with non-metastatic CRC (15) |
| Increased in stage III CRC compared with controls (16) |
| ***miR-92a*** | Increased in CRC tissues and overexpression in tissues correlates with tumor metastasis and poor prognosis.(17-20)  | Increased in CRC patients; decrease in post-operative samples (21) |
| Increased in CRC and advanced adenomas compared with controls (13) |
| Increased in CRC and advanced adenomas compared with controls (7) |
| ***miR-135b*** | Increased in CRC tissues, which correlates with clinical stage, liver metastasis, and both disease-free survival (DFS) and cancer-specific survival of patients (22-24) | Increased in CRC compared with controls (21) |

**References of S1 Table**

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