The lncRNA-ROR/miR-145 axis promotes invasion and metastasis in hepatocellular carcinoma via induction of epithelial-mesenchymal transition by targeting ZEB2

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Supplementary Figure S1. (A) Wound healing assays, and (B) transwell assays to determine cell migration and invasion ability of (left to right) SMMC-7721 cells transfected with lnc-ROR, SMMC-7721 cells transfected with miR-145/inhibitor, SMMC-7721/lnc-ROR cells co-transfected with miR-145/mimics, MHCC97-H cells transfected with shROR, MHCC97-H cells transfected with miR-145/mimics, MHCC97-H/shROR cells co-transfected with miR-145/mimics. (C) Western blotting and (D) Immunofluorescence to detect EMT markers of SMMC-7721 cells transfected with lnc-ROR, SMMC-7721 cells transfected with miR-145/inhibitor, SMMC-7721/lnc-ROR cells co-transfected with miR-145/mimics, MHCC97-H cells.
transfected with shROR, MHCC97-H cells transfected with miR-145/mimics, MHCC97-H/shROR cells co-transfected with miR-145/mimics.

**Supplemental Table S1.** Initial profiling of miRNAs in response to knockdown of linc-ROR in HCCLM3 cells compared with the control cells.

|   | miRNA          | Binding sites                  | fold-change |
|---|----------------|--------------------------------|-------------|
| 1 | hsa-miR-132    | 853-875                        | 0.66        |
| 2 | hsa-miR-133    | 71-106                         | 0.98        |
| 3 | hsa-miR-145-5p | 2037-2059; 1307-1330            | 4.73        |
| 4 | hsa-miR-181a   | 1238-1259; 2518-2539            | 1.67        |
| 5 | hsa-miR-19a-5p | 1500-1521                      | 1.35        |
| 6 | hsa-miR-200b   | 725-747                        | 1.69        |
| 7 | hsa-miR-205-5p | 789-810                        | 3.61        |
| 8 | hsa-miR-214    | 468-490                        | 2.08        |
| 9 | hsa-miR-219-5p | 323-345; 423-445               | 0.54        |
|10 | hsa-miR-320c   | 614-636                        | 1.12        |
|11 | hsa-miR-34a-5p | 749-771; 1369-1390              | 2.68        |
|12 | hsa-miR-454    | 196-218                        | 0.21        |
|13 | hsa-miR-520c-3p| 1429-1450                     | 1.24        |
|14 | hsa-miR-99b-3p | 365-389                        | 0.13        |
|15 | hsa-let-7a-1   | 147-167, 435-476               | 2.75        |