**Fig.S1** The analysis of TCGA data and Screening for target genes. **a-d** Survival analysis of the remaining 4 hub genes except HTR1D. **e-f** The heatmap for differentially expressed miRNAs and LncRNAs of paired pancreatic cancer in TCGA database. **g-h** The volcano map for differentially expressed miRNAs and LncRNAs of paired pancreatic cancer in TCGA database. **i-p** Survival analysis of the remaining 8 selected LncRNAs except LncRNA HOXA10-AS.
### Supplementary Table 1. Primers for qPCR.

| Primer name            | Primer sequence(5’-3’)                                                                 |
|------------------------|----------------------------------------------------------------------------------------|
| GAPDH                  | AGCCACATCGCTCAGACAC (F)                                                               |
|                        | GCCCAATACGACCAAATCC (R)                                                               |
| U6                     | AACGCTTCACGAATTCTTGGT (F)                                                            |
|                        | CTCGTTCGAGACACA (R)                                                                   |
| HTR1D                  | GCCTATACCATACCCCA (F)                                                                 |
|                        | TCCAGAGCAATGACACAGA (R)                                                               |
| 1#Sh-HTR1D             | GCATCTCTGTGTCTTTGCTCT                                                                |
| 2#Sh-HTR1D             | GCCAAATCTTTGTGTGACATCT                                                               |
| miR-340-3p             | ACACTCCAGCTGGGTTCGTTCTGTTACTT (F)                                                   |
|                        | TGGTGTGCTGGAGTTCG (R)                                                                |
| 340-3p mimic           | UCCGUCUCAUGUUACUUUAUCGC                                                            |
|                        | UAUAUAGUAAUCUGAGACGGAUU                                                               |
| 340-3p inhibitor       | GCUAUAAAGUAACUGAGACGGA                                                                |
| LncRNA HOXA10-AS       | CCCAGTAAGCCAAATCAAGCC(F)                                                            |
|                        | CTGAGGTCATTTGCTGCAAAGG(R)                                                           |
| Sh-LncRNA HOXA10-AS    | GTTCTGGTGTGCTGCCGGCGAGGGCCGCTGCCCT                                                 |