

Tables

Table 1. Forward and Reverse sequences of primers for the quantitative polymerase chain reaction (qPCR) in human hepatic organoids.

Gene	5' - Forward - 3'	5' - Reverse - 3'
<i>hAFP</i>	CCAGGAACAGGAAGTCTGCT	CACACCGAATGAAAGACTCG
<i>hALB</i>	TGCTGAGGCAAAGGATGTCT	ATGTCTTGGCAAGTCTCAGCA
<i>hB-ACTIN</i>	GTGGACATCCGCAAAGACCT	ACTTGCGCTCAGGAGGAGC
<i>hCDX2</i>	CCGCAGAGCAAAGGAGAGGA	TGCAGGGAAGACACCGGACT
<i>hCEBPA</i>	AGCCTTGTTTGTACTGTATG	AAAATGGTGGTTTAGCAGAG
<i>hCER1</i>	TGGCACCACCTTCATGTTCAAGAA	TGAGAGCAGGAGGTATGGGAGTG
<i>hCYP3A4</i>	GTAAAAAGGATGAAAGAAAGTCGCC	TCATCAGCTGAAGGAAATCCACT
<i>hCYP3A7</i>	CGTAAGTGAGCCTGATTTCCCT	AATGGTGCTAACTGGGGGTGGTG
<i>hDIO1</i>	GTCGTGGGTAAAGTGCTTCTG	GTTCCGCTTGACTCTGTCTGG
<i>hDIO2</i>	GCTGCTGTTGAGCCGCTC	GCTCAGGGCTGGCAAAGTC
<i>hDIO3</i>	GCTGGTTCTCAATTTCCGCA	GCTGTGGGATGATGTAGGGA
<i>hFOXA1</i>	GCAATACTCGCCTTACGGCT	TACACACCTTGGTAGTACGCC
<i>hFOXA2</i>	GGAACACCACTACGCCTTCAAC	AGTGCATCACCTGTTCTGAGGC
<i>hGATA4</i>	CGACACCCCAATCTCGATATG	GTTGCACAGATAGTGACCCGT
<i>hHHEX</i>	ACGCCCTTTTACATCGAGGAC	CGTGTAAGTCGTTCAACGTC
<i>hHNF1A</i>	AACACCTCAACAAGGGCACTC	CCCCACTTGAAACGGTTCCT
<i>hHNF1B</i>	GTGGACCGGATGCTCAGTG	GGGTCTTCATAGGGGTGCC
<i>hHNF4A</i>	TGCAGGTGTTGACGATGGGCA	ACCACGCACTGCCGGCTAAAT
<i>hKRT7(CK7)</i>	AGCCGTGAATATCTCTGTGATGAA	AATAAGCCTTCAGGAGCCCAG
<i>hMKI67</i>	TGACCCTGATGAGAAAGCTCAA	CCCTGAGCAACACTGTCTTTT
<i>hNCOA1(SRC1)</i>	CTCGGGGACAGTTCATCCG	CCGTGCTTGATGCCAGTGT
<i>hNCOR1</i>	ACACCGCAGTATTGTCCAAAT	CACCTGGTTTGTCTTGATGTTCT
<i>hNCOR2</i>	TGCAGATCATCTACGACGAGA	TCCGCATCGCCTGGTTTATTT
<i>hONECUT1(HNF6)</i>	AGCGTCGAACTCTACATGCAA	TGCTTTGGTACAAGTGCTTGAT
<i>hOTX2</i>	ACCCGGTACCCAGACATCTTCAT	GGCCACTTGTTCCACTCTCTGAA
<i>hPOU5F1(OCT4)</i>	CTTCGCAAGCCCTCATTTACCA	GCACTAGCCCCACTCCAACCTG
<i>hPROX1</i>	AAAGGACGGTAGGGACAGCAT	CCTTGGGGATTTCATGGCACTAA
<i>hSOX2</i>	CCCAGCAGACTTCACATGT	CCTCCCATTTCCCTCGTTTT
<i>hTBX3</i>	AAAAATAGACAACAACCCTTTTGC	ACTGCAGGGTGAGCTGTTTT
<i>hTHRA</i>	AAGGCAACTGGTTATCACTACCG	ACGGCGATGCACTTCTTGAA
<i>hTHRB</i>	TTCCAAACGGAGGAGAAGAA	TAGTGATACCCGGTGGCTTT

Table 2. Antibodies used for immunofluorescence of the hepatic organoids.

Antibody	Concentration	Brand	Catalog #
Anti-hOTX2	1:250	Novus	AF1979
HN4 α Monoclonal Antibody	1:250	Invitrogen	MA1-199
Anti-TBX3 antibody	1:250	Abcam	AB99302
Human Albumin Polyclonal Antibody	1:250	Bethyl	A80-129A
Ms x Hu KI-67	1:250	Sigma Aldrich	MAB4190
Anti-Cytokeratin 7 antibody	1:250	Abcam	AB53123
Duet Immunofluorescence Double Labeling Kit, DyLight™ 594 Anti-Rabbit, DyLight™ 488 Anti-Mouse	Ready-to-use	VectaFluor™	DK-8828
Anti-Rabbit IgG, DyLight™ 488	Ready-to-use	VectaFluor™	DI-8828
Horse Anti-Goat IgG (H+L), DyLight™ 594	1:250	VectaFluor™	DI-3094
Horse Anti-Mouse IgG (H+L), DyLight™ 488	1:250	VectaFluor™	DI-2488