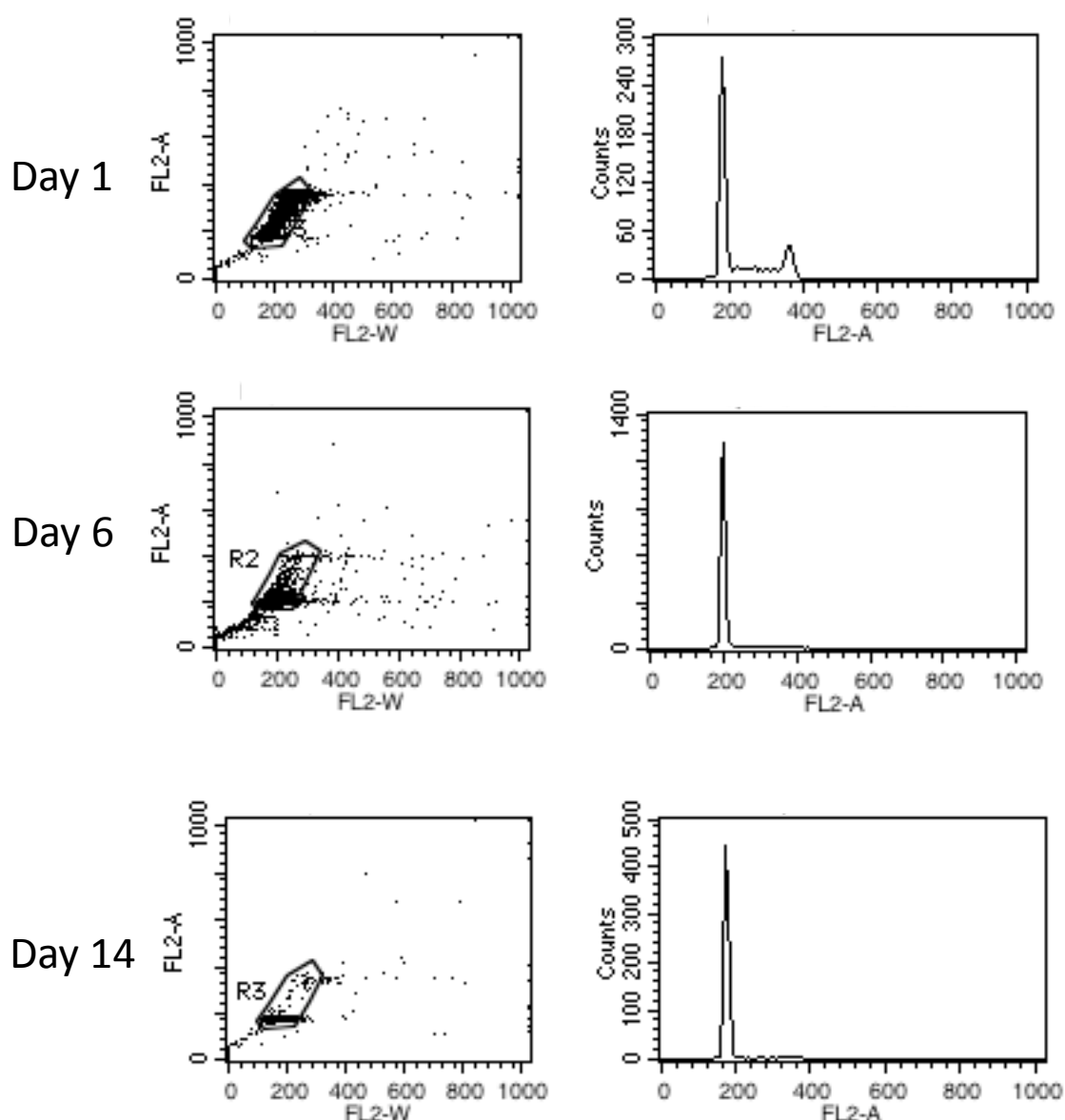


Supporting information

Cell cycle DNA content Analysis:

The DNA content was measured following propidium iodide staining using the BD Cycletest™ Assay (BD Biosciences) and detected using a FACSCalibur™ equipment (BD Biosciences). The gating of the cells was performed using dot plots of FL2-Width versus FL2-Area to gate the single cells. Then, cell cycle distribution was calculated with the FL2-A fluorescence intensity histograms obtained from the dot plots (FL2-W vs FL2-A).

The following documents show the dot plots and histograms for the time points at day 1, 6 and 14 after cell seeding, which were used to obtain the histogram presented in Figure 1C.



Supporting information 2

DNA sequences of the promoter regions subcloned into the lentiviral expression pLV-GFP backbone upstream of the GFP reporter genes using the KpnI (5' end) and SacI (3' end) restriction sites. Accession numbers of the 3 DNA sequences are indicated.

CYP1A1/2

LOCUS NG_008431 of 41009 bp, DNA linear, 20-SEP-2018

Homo sapiens CYP1A1_CYP1A2 locus, having a bidirectional 5' flank promoter of 23,306 bp (CYP1A1-CYP1A2) on chromosome 15.

GGGCCCCCCTCGAGGTCGACGGTATCGATAAGCTTCTGGCACATAGTAGTTGCTTGGTAAA
TATTTGTGCAATGCACGAGGCCGCATATGACCGGAATGGGAGGTGAGGGGATTATTTTCTGG
CCTGGACCAGCGACGGATGGAGGTGCCACCGGGTTGGGGAGCACGTCGGGGATGGCGCGTAA
CGATGTTAGCTGGGGCCAGGTTGAGCTAGGCACGCAAATACAACCTTTTTTTTCTCTGGAAAC
CCTGTAACAGGAAGGTTCCGGAGGGCGGGACAGCGTCGGAGGCAGGCAGCTAGGCCATGCCA
AATGGCACTGGGGCTTCGTGTCGTGCCACAGGCGTGGACCGAAAATGCGGACACATGCAGGC
TGCCTCTCCTCGCAGGCAGAAGCCACACGCAGACCTAGACCCTTTGCACCGCATCCCCTTAT
TCAATCGCGCACCCGCCACCCTTCGACAGTTCTCTCCCTCCACCCCAACCCACGCCGCGC
GCGAGGCTGGCCCTTTAAGAGCCCCGCCCCGACTCCCTCCCCCTCGCGTGACTGCGAGCCC
CCGCGCCGGGCCGGGAATGGGTTCGGCTGGGTGGCTGCGCGGGCCTCCGGTCCTTCTCACGC
AACGCCTGGGCACCGCGCCTCCGGGCCAGGTGGGGCGGGGACGGGCCGCCTGACCTCTGCCC
CCTAGAGGGATGTCGCCGGCGCACGCAAGCTAGCCGGGGGTAGGGTGGGGGCTCCGCGCCAG
GTGCCCCCTCCGTGGTCCCTGGGCCCCGAGTCTTTCCGTGGCCCCCGCCGCCGATTTCTGT
GCTCTGCCAATCAAAGCACTAGCCACCCCGGGAGCCAAGAGGGACCTCAAGGGCCGGTGGG
TCCTGGCTGGAGGGACCGCGCGTTGCAATCAGCACTAAGGCGATCCTAGAGGCTGCGAGGAG
CCGCTAGTGAGCGCTCAGCGAGCCTGCCCCCTCGCCATCCATTCCGATCCTTCAATCAAGAG
GCGCGAACCTCAGCTAGTCGCCCGGGCTCTGGGGGACAGGTCCAGCCCCGCGGCGCCTCTGG
CCTTCCGGCCCCCGTGACCTCAGGGCTGGGGTTCGACGCGCTTCTCACGCGAGCCGGGACTCA
GTAACCCCGGGAAGAAGGTCACCACGGGGCAGCCCCGCCCCCGCCTGCCGAGTCCTGGTAGG
CTGTAGCGCTGGGGAGGCATCTGCACGCCAGCGTTCCAGTGGGTGCAAAAATGACGAAGAG
GAGTCCCCGCGCCCCAGGATGGAGCTTCCCGTACCCTCTCTTCGGGCTGTCTTGGGACTTCT
CCCTCAAGCCCCCTCCTCGGCTGGGTTCTGCACTGCCCTTGGGACGCCTTGGAATTGGGACT
TCCAGGTGTTCCAGCCCTCACCCCTCTATGTACAGGCACCGAGATGTGTCCCATAGTGGGT
TCTTGCCACCCGACCCCCACCCCCGCGCCCTCCGCCACCTTTCTCTCCAATCCCAGAGA
GACCAGCCCGGTTTCAGGCTGCTTCTCCCTCCATCTCAGCTCGCTCCAGGGAAGGAGGCGTGG
CCACACGTACAAGCCCGCCTATAAAGGTGGCAGTGCCTTCACCCTCACCTGAAGGTGACAG
TTCCTTGGAACCTTCCCTGATCCTTGTGATCCAGGCTCCAAGAGTCCACCCTTCCAGAT

CYP2B6

LOCUS NG_055439 of 2469 bp DNA linear, 05-AUG-2017

Homo sapiens CYP2B6 promoter-proximal regulatory region (LOC110599575) on chromosome 19.

TTGGACAATGTAGCCCCAACCCACTGTATGACCTTGGGTAAGAAAAACAAACTGTCATTGCT
TCAATATCTCCATCTATAAAATGGGGATGGCAACAATACCTCACTAAGAGTGTGAAGACTGA
GTTACTGTGTGTAAAGCACTTCACGCCTCCCCATCGGTGCTTCACCCTGGGGCTGCAATGAG
CACCCAATCTTAGTGTGATGACACAGCACAGCAAGACCGAGGCCCTTGGTTCAGGAAAGT
CCATGCTGCCACCTCTTCAGGGTCAGGAAAGTACAGTTTCCACCTCTTACAAATAGGACTGT
TTGTCTGCTCCTCCTGGGTCAAAGTAACTTCGGGGTTCAGGTCCTGGATCCAGCAAAGGGTTT
GCTTAACATTGCAAGAAAGATGTTGCCTCATGGTCAAAGTCAGGCGTAGGATGAGACAGGC
AGACACGCACACATTCACACCCACGTTTTGCAAAGATGGACTGACCCTGTCAGAGGATGTGT
GGGTGAAGGTGCACAGTGAGGATAGAGACATATGGGAGTCCAGTAGACATCAATCAAAGTGG
ACTCAGTTTGCACACACCTGGAGCTCAAGAGTCTCCAGGGGGAAAACAGAGACACAAAGTCA
GACAGAGAGAGAGCCAGAGAAATTTCTGACCGTGAAGATAGTCAGAGGCAGGGAAGAAAC
TCCTTAGCACTAGTTAGAGTGATCAGAAACCAAGAGGACCTGATCGCTGTACCTGCCAGGTC
TCAGTTTCTGTCTCCTTCCAAGTACCACCTCTTCTCTGAGACTCACCAGTTCTGCATCTC
TTGCTCCTCCTTCTGTTTCTCCGACCACTTCCACCTGTGGCTGTCACAGAAGGGCGGATGAA
GGAGGGGACACTGGAGATAGACTCAGCATCTGCAGGCTTCCAAAGAGAGGGGGCTAGGAGATC
CACCAACACACCAGCACAAATACACCAGCACACACAGATACACACAATTGGTTCATGTATTG
CTAGGTTACAGTTTGCTATGCTACAAAGGCAGTAGGCCAAATTTGATTGAATTGAATAATTC
CTTATTTTTCATCAGCTTCTCCTTTTTTTTTTTTTTTTTTTTTTTTGGAGATGGAGTATTGCTGTG
TCACCCAGGCTGGATTTTGAGATGGAGTATTGCTGTGTCACCCAGGCTGGAGTGCAGTGGTG
TAATCTTGGCTCACTGCAGCCTCCACCTCCCAGGTTCAAGTGATTCTCTTGCCTCAGCCTCA
CGAGTAGCTGGGATTAAGTACCCACCATCACGCCCCGGCTAATTTTTGTGTTTTTTAGTACA
GATGGGGTTTTGCCATGTGGGCCAGGATGGTCTCGAACTCTTGACCTCAATTGATCTGCCCC
CCTCAGCTTCCCAACGTGCTGGGATTACAGGTGTGAGCCACCGCACCCAGCCAGCCTCTCAG
TTTTGAACATGCACTACCACCACCTCCACAACACACAAATGTAAATGCACTTTCGTATATAA
AACTGTATAAATACGAGGAAGCTCATACACATGCAAGGATACACACATAAGCACCCCCAGAT
TCAACCACAGAAATATACGCCAGTACATTTGCATAAATTCAAACACCCCTTTACATGTAAAA
ATCATATAAGCACATACAGGGATGCAAGCAGGCATGGACAAATGCATGCAAGCACAGACAAA
CAGACAAAGCTAAGTAAAAAAGTGCAAGCTCACCTATGCTTACAAAAATAGACATACATATA
CCCACAAACCCACACACCCACACATTCACCTTGCTCACCTGGACTTTGATAACTCTACCACTG
TATCCCTGCCAATATCTACAGAGTGGGTAAAGGGATAGGCATCAGGTCACTGGGTTGCCCAA
GCAGGAAGTCTGGGTTCCCTAACAACTTTTTCTAAGCTAATGCTCCTGGATGATGATGAAAA
AGGAGGTGGGGAATGGATGAAGTTTTATAACAGGGTGCAGAGGCAGGGTCAGGATAATATGC
CCAATTGGAGG

CYP3A4

LOCUS NG_054901 of 12769 bp DNA linear, 14-JUL-2017

Homo sapiens CYP3A4 5' regulatory region (LOC110366354) on chromosome 7.

AGTGATTCTGAGCCATGTCTATTTCTCCTGACTTTTCCTTGAAGCCCACGCTTGCTGATATT
TACAGCCGTGGTCATCACACTTACTTTTGTTCCTTTCTTCCTTCCCTCCAACCTCTGCATTAAA
TTCCAGGAACCTTGCTTTCTGTGAAGTCTAGTCGAAGCTTGCATGCCTGCAGGTCGACCAGCT
CCTGGGGCCTGCCCTCCTCCCATTAGAAAATCCTCCACTTGTCAAAAAGGAAGCCATTTGCT
TTGAACTCCAATTCCATCCCCAAGAGGCTGGGACCATCTTATTGGAGTCCTTGATGCTGTGT
GACCTGCAGAGACCACTGCCCCATCATTGCTGGCTGAGGTGGTTGGGGTCCATCTGGCTATC
TGGGCAGCTGTTCTCTTCTCTCCTTTCTCTCCTGTTTCCAGACATGCAGTATTTCCAGAGAG
AAGGGGCCACTCTTTGGCAAAGAACCTGTCTAACTTGCTATCTATGGCAGGACCTTTGAAGG
GTTACAGGAAGCAGCACAAATTGATACTATTCCACCAAGCCATCAGCTCCATCTCATCCAT
GCCCTGTCTCTCCTTTAGGGGTCCCCTTGCCAACAGAATCACAGAGGACCAGCCTGAAAGTG
CAGAGACAGCAGCTGAGGCACAGCCAAGAGCTCTGGCTGTATTAATGACCTAAGAAGATGGA
GTAGTCACCAGAAAGTCAGAAGGGATGACATGCAGAGGCCAGCAATCTCAGCTAAGTCAAC
TCCACCAGCCTTTCTAGTTGCCCACTGTGTGTACAGCACCTGGTAGGGACCAGAGCCATGA
CAGGGAATAAGACTAGACTATGCCCTTGAGGAGCTCACCTCTGTTCAAGGAAACAGGCGTGG
AAACACAATGGTGGTGAAGAGGAAAGAGGACAATAGGATTGCATGAAGGGGATGGAAAGTGC
CCAGGGGAGGAAATGGTTACATCTGTGTGAGGAGTTTGGTGAGGAAAGACTCTAAGAGAAGG
CTCTGTCTGTCTGGGTTTGGAAGGATGTGTAGGAGTCTTCTAGGGGGCACAGGCACACTCCA
GGCATAGGTAAAGATCTGTAGGTGTGGCTTGTTGGGATGAATTTCAAGTATTTTGGAATGAG
GACAGCCATAGAGACAAGGGCAGGAGAGAGGCGATTTAATAGATTTTATGCCAATGGCTCCA
CTTGAGTTTCTGATAAGAACCCAGAACCCTTGGACTCCCCAGTAACATTGATTGAGTTGTTT
ATGATACCTCATAGAATATGAACTCAAAGGAGGTCAGTGAGTGGTGTGTGTGTGATTCTTTG
CCAACCTTCCAAGGTGGAGAAGCCTCTTCCAACCTGCAGGCAGAGCACAGGTGGCCCTGCTACT
GGCTGCAGGTCCAGCCCTGCCTCCTTCTCTAGCATATAACAATCCAACAGCCTCACTGAAT
CAC