Supplemental Table S1: Primers used for full-length cDNA isolation, qRT-PCR and pESC-Leu2d modification

Full-length cDNA Isolation

Target Gene	Orientation	Sequence in 5'-3' direction
CYP76AA20	fwd	ATGGAAAGCCATCTGTTCTACTGCTAT
CYP76AA20	rev	CTAATATATGTGATGTTGTAGGCGTGGTG
CYP76AA21	fwd	ATGGAAAGCTATTATGCCCATCTTTTG
CYP76AA21	rev	CTAATATATGTTATGTGGCAGGCGTG
CYP76AA22	fwd	ATGGAAATTCCACAACTTTCTTGGTATTCTGTTC
CYP76AA22	rev	CTAGTATAGATGATGCGGCAGACGTGGCA
CYP76AA23	fwd	GTACTGAGATGGATTTTCAGAATCTTTCTTGGt
CYP76AA23	rev	TTAGTACAAGTTATGTGGGAGGCGTGGTATGGCA
CYP76AA24	fwd	ATGGATAAGCAACCGGTGTTCTGGTTTTCTGt
CYP76AA24	rev	CTAATACATGTTATGTAGCAGGCGTGGTGTTGGGA
CYP76AA25	fwd	ATGGAGACTCCACCGCTTTCTTGGTAC
CYP76AA25	rev	CTAGTATAGATGATGCGGTAGACGTGGCATC
CYP76AA26	fwd	ATGCAGATTTGATTCAGCAACATTTAGAGCAG
CYP76AA26	rev	CTAAACATTCAAACGCACCATGCTTGTGAA
CYP76Z2	fwd	GTCATGGATTCAATCAATTTTGCTTCATC
CYP76Z2	rev	CTAAAACTTGATGACATTCCTTGTGTTAGG
CYP750B1	fwd	TCGTTTGCATAGAAATGGATCTCAATATGAGC
CYP750B1	rev	CTAAATTTTAAGGTTAAAAGGTTCATTCCCTCTTAACCTC

qRT-PCR

Target Gene	Orientation	Sequence in 5'-3' direction
CYP76AA25	fwd	CGAAGACTTCACTGTCGTTGA
CYP76AA25	rev	TCGTTTCGGTACCTGCAATA
CYP750B1	fwd	GCGTTCCTGCAATAGGACTC
CYP750B1	rev	GAAGAGCTCCCAACTGATGC
(+)-Sabinen Synthase	fwd	AAATGAAATTGCCCAAGCAC
(+)-Sabinen Synthase	rev	TCTGTTCAGGCGAAGGATTC
Ef_alpha	fwd	GCAGCTTCCTTCTCAAAACG
Ef_alpha	rev	CATTGGCCATGTTGACTCTG
Actin	fwd	GGAGGAACTGGTCTTGCTTG
Actin	rev	CCACTACTGCTGAGCGTGAA
GADPH	fwd	ATTGGAGACAGCCGATCAAG
GADPH	rev	AGCCCCATTCGTTGTCATAC
RNAPol-III	fwd	GTGGTTCCTTTGGAAGACCA
RNAPol-III	rev	CCACTCCCCTAAAGCTTCCT

pESC Leu-2d modification for user cloning

Target	Orientation	Sequence in 5'-3' direction
MCSI-ΔPacI[a]	fwd	CAATAGATTTAGAGCTTGACGGGGAAAG
MCSI-ΔPacI[a]	rev	CTGAGCTCTTAGATAACAATTCTTCGCCAG
MCSII_USER-site[b]	fwd	GATCCGCTGAGGATTAATTAAGCGGCCGCTTAATTAACCCTCAGCC
MCSII_USER-site[b]	rev	TCGAGGCTGAGGGTTAATTAAGCGGCCGCTTAATTAATCCTCAGCG

[a] cloning was achieved using NgoMVI and MCSI SacI site
[b] oligos contained 5'phosphorylation and were cloned after annealing into BamHI and HindIII site
of MCSII

P450 User cloning

Target	Orientation	Sequence in 5'-3' direction
CYP76AA20_User	fwd	GGATTAAUAATGGAAAGCCATCTGTTCTAC
CYP76AA20_User	rev	GGGTTAAUCTAATATATGTGATGTTGTAGGCGT
CYP76AA21_User	fwd	GGATTAAUAATGGAAAGCTATTATGCCCATC
CYP76AA21_User	rev	GGGTTAAUCTAATATATGTTATGTGGCAGGC
CYP76AA22_User	fwd	GGATTAAUAATGGAAATTCCACAACTTTCTTG
CYP76AA22_User	rev	GGGTTAAUCTAGTATAGATGATGCGGCAG
CYP76AA23_User	fwd	GGATTAAUAATGGATTTTCAGAATCTTTCTTG
CYP76AA23_User	rev	GGGTTAAUTTAGTACAAGTTATGTGGGAG
CYP76AA24_User	fwd	GGATTAAUAATGGATAAGCAACCGGTGTTC
CYP76AA24_User	rev	GGGTTAAUCTAATACATGTTATGTAGCAGGCGT
CYP76AA25_User	fwd	GGATTAAUAATGGAGACTCCACCGCTTTC
CYP76AA25_User	rev	GGGTTAAUCTAGTATAGATGATGCGGTAGAC
CYP76AA26_User	fwd	GGATTAAUAATGATCTTTGTATGGAACTGTG
CYP76AA26_User	rev	GGGTTAAUGTGGGTACCCCTAGTATATATG
CYP76Z2_User	fwd	GGATTAAUAATGGATTCAATCAATTTTGCTTC
CYP76Z2_User	rev	GGGTTAAUCTAAAACTTGATGACATTCCTT
CYP750B1_User	fwd	GGATTAAUAATGGATCTCAATATGAGCGT
CYP750B1_User	rev	GGGTTAAUCTAAATTTTAAGGTTAAAAGGTTC