

Supplementary Table S3: Primers for the mini-gene reporter system construction

Primer specification	Sequences
mCherry with 5' EcoRV site	5'-GATCGATATCATGGTGAGCAAGGGCGAG-3'
mCherry with 3' Ascl site	5'-GTACGGCGCGCCCCTTGACAGCTCGTCCATGC-3'
<i>DPYD</i> exon 10 with 5' Ascl site	5'-CAAGGGGCGCGCCGGAATGTGCGCCTGTCAC-3'
<i>DPYD</i> intron 10 (first 500 bp) with 3' BamHI	5'-GAGCGGATCCATTAGAGCACTTTAAAAATATACATGACACCC-3'
<i>DPYD</i> intron 10 500 bp upstream of CE with 5' BamHI site	5'-TAATGGATCCGCTCTTACCACATGGCTCTG-3'
<i>DPYD</i> intron 10 500 bp downstream of CE with 3' PmeI site	5'-GTAGGTTTAAACTGTAAGTAACAGGACACAGCAGAA-3'
<i>DPYD</i> intron 10 500 bp upstream of Exon 11 with 5' PmeI site	5'-TACAGTTTAAACCTACAGAGTTTCTCTAGTCTTTTTCTCCTAC-3'
<i>DPYD</i> exon 11 with 3' SgfI/AsiSI site	5'-CCATGCGATCGCCTTTAGGATCACTCAGAACTGAACC-3'
AcGFP1 with 5' SgfI/AsiSI site	5'-GATCGCGATCGCATGGTGAGCAAGGGCG-3'
AcGFP1 with 3' NotI site	5'-CTATGCGGCCGCTTGACAGCTCATCCATGCC-3'
<i>DPYD</i> exon 13 with 5' Ascl site	5'-CAAGGGGCGCGCCTCACAATATGGAGCTTCCGT3'0
<i>DPYD</i> first 500 bp of intron 13 with 3' BamHI site	5'-CCATGGATCCAAGTACAAAGTCATAATGTTAAATGAAACTC-3'
<i>DPYD</i> last 500 bp of intron 13 with 5' BamHI site	5'-ACTTGGATCCATGGTTGATGAGCCAGTAAT-3'
<i>DPYD</i> first 500 bp of intron 14 with 3' PmeI site	5'-AGTGGTTTAAACTTCTTTAAGAGAAAAAAGATTTTATAA-3'
<i>DPYD</i> last 500 bp of intron 14 with 5' PmeI site	5'-AGAAGTTTAAACCACTATGAATATTTAAGATATTATTATGTGTACTATAGT-3'
<i>DPYD</i> exon 15 with 3' SgfI/AsiSI site	5'-CCATGCGATCGCCCTCAGACTTCTTGGAAG-3'