

Supplementary Table S2: *DPYD* alternative splicing determination primers

| Primers | Sequences |
|------------------------|---|
| Ex9/10-Ex11 | 5'-GGCAGTAAAGCAGGAATGTGCG-3' 5'-TTTTACTATAACCTTCCGTGGGG-3' |
| Exon 10/11-1 | 5'-GGCAGTAAAGCAGGAATGTGCG-3' 5'-GCAAGTTCATCTCCTCAGGG-3' |
| Exon 10/11-2 | 5'-CCCTGAGGAGATGGAATTGC-3' 5'-TTTTACTATAACCTTCCGTGGGG-3' |
| CE1 | 5'-GGCAGTAAAGCAGGAATGTGCG-3' 5'-TCAGGAAAGATATGTGGCTGATG-3' |
| CE2 | 5'-CCTGAGGAGCATCAGCCACA-3' 5'-TTTTACTATAACCTTCCGTGGGG-3' |
| <i>DPYD</i> (Exon 1-2) | IDT PrimeTime Assay Hs.PT.58.40113625 |
| GAPDH house keeping | 5'-ACCACAGTCCATGCCATCAC-3' 5'-TCCACCACCCTGTTGCTGT-3' |
| PSMB2 house keeping | 5'-TGA CTCTCAGTATCCTCGACC-3' 5'-AGGTTGGCAGATTCAGGATG-3' |
| PSMB4 house keeping | 5'-CATGGTCATCGGAGGCTATG-3' 5'-CTTCTCCAGAACTTCTCGCAG-3' |
| RAB7A house keeping | 5'-AGCTGACTTTCTGACCAAGG-3' 5'-CACATCAAATACCAGAACGCAG-3' |
| REEP5 house keeping | 5'-TCATCGCTCTTGGTGTCATC-3' 5'-TCATCTTCTTTGTTGGGACTCTC-3' |
| VCP house keeping | 5'-AGGCAGACAAACCCATCAG-3' 5'-GGCAAACATCTCATACTCCG-3' |

DPYD, Dihydropyrimidine Dehydrogenase; GAPDH, Glyceraldehyde 3-phosphate dehydrogenase; PSMB2, Proteasome subunit beta-type 2; PSMB4, proteasome subunit beta-type 4; RAB7A, Ras-related protein Rab-7a; REEP5, Receptor Expression-Enhancing Protein 5; VCP, Valosin Containing Protein.