



Figure S1. Effect of Reflex distance on Reflex product concentration. Reflex product concentration after Reflex PCR was measured using a MultiNA gel electrophoresis system for both 454 and Ion Torrent amplicons. Data are fitted to a linear model in each case using R. Results of the 454 linear fit are slope = -0.003567 (SE = 0.001335), intercept = 21.85 (SE = 5.06), and R-squared = 0.22 . Results of the Ion Torrent linear fit are slope = -0.033299 (SE = 0.005811), intercept = 231.15 (SE = 21.30), and R-squared = 0.26 .

454

Number of LRPCRs and target size				
	1 LRPCR	1 LRPCR	5 LRPCRs	10 LRPCRs
Samples	<i>CYP2D6</i> (6 kb)	10 kb	50 kb	100 kb
96	\$55.65	\$60.81	\$304.05	\$608.10
960	\$8.40	\$10.00	\$50.01	\$100.02
4800	\$4.19	\$5.49	\$27.43	\$54.86
9600	\$3.67	\$4.92	\$24.61	\$49.21

Ion Torrent

Number of LRPCRs and target size				
	1 LRPCR	1 LRPCR	5 LRPCRs	10 LRPCRs
Samples	<i>CYP2D6</i> (6 kb)	10 kb	50 kb	100 kb
96	\$75.14	\$93.32	\$466.58	\$933.17
960	\$14.47	\$20.13	\$100.63	\$201.27
4800	\$9.07	\$13.62	\$68.11	\$136.21
9600	\$8.40	\$12.81	\$64.04	\$128.08

Illumina

Number of LRPCRs and target size				
	1 LRPCR	1 LRPCR	5 LRPCRs	10 LRPCRs
Samples	<i>CYP2D6</i> (6 kb)	10 kb	50 kb	100 kb
96	\$67.64	\$80.80	\$403.98	\$807.96
960	\$12.13	\$16.23	\$81.14	\$162.27
4800	\$7.19	\$10.49	\$52.44	\$104.88
9600	\$6.58	\$9.77	\$48.85	\$97.70

Table S2: Reflex reagent cost per sample analysis. Three variables are applied, the number of samples, the target size (number of LRPCRs), and the NGS platform. LRPCR size limit is set at 10 kb for larger projects. Sample sizes in multiples of 96. Cost per sample in US dollars (\$). Different Reflex amplicon sizes are used for the three NGS platforms, and therefore define the number of Reflex reactions required. See materials and methods for further calculation details.

Table S3: Long range PCR primer sequences

Name	Sequence
cyp2d6-lrpcr3-mid-01	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACGTACGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-02	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGACGACGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-03	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTACGTACACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-04	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTACGTGTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-05	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTACTAGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-06	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTGTACGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-07	CCATCTCATCCCTGCGTGTCTCCGACTCAGACGACGTACTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-08	CCATCTCATCCCTGCGTGTCTCCGACTCAGACGACGTGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-09	CCATCTCATCCCTGCGTGTCTCCGACTCAGACGTACACGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-10	CCATCTCATCCCTGCGTGTCTCCGACTCAGACGTAGTACGCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-11	CCATCTCATCCCTGCGTGTCTCCGACTCAGACGTAGTCTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-12	CCATCTCATCCCTGCGTGTCTCCGACTCAGACTACGACTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-13	CCATCTCATCCCTGCGTGTCTCCGACTCAGACTACTCGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-14	CCATCTCATCCCTGCGTGTCTCCGACTCAGAGTAGACGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-15	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACACGACGTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-16	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACACGTATACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-17	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACGACACTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-18	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACGACGAGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-19	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACGACGTGCGGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-20	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACGCGTAGTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-21	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACGTACTCTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC

cyp2d6-lrPCR3-mid-22	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACGTATAGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-23	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACGTGACTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-24	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACTACGTGTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-25	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACTACTACGCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-26	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACTAGACGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-27	CCATCTCATCCCTGCGTGTCTCCGACTCAGTACTCGAGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-28	CCATCTCATCCCTGCGTGTCTCCGACTCAGTAGACGCGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-29	CCATCTCATCCCTGCGTGTCTCCGACTCAGTAGACTACGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-30	CCATCTCATCCCTGCGTGTCTCCGACTCAGTAGTAGTACTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-31	CCATCTCATCCCTGCGTGTCTCCGACTCAGTCGAGTACGTGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-32	CCATCTCATCCCTGCGTGTCTCCGACTCAGTCGTAGAGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-33	CCATCTCATCCCTGCGTGTCTCCGACTCAGTCGTCTCGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-34	CCATCTCATCCCTGCGTGTCTCCGACTCAGTCTACGTAGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-35	CCATCTCATCCCTGCGTGTCTCCGACTCAGTCTATACGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-36	CCATCTCATCCCTGCGTGTCTCCGACTCAGTGTACGTCTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-37	CCATCTCATCCCTGCGTGTCTCCGACTCAGTGTAGTACGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-38	CCATCTCATCCCTGCGTGTCTCCGACTCAGCACACACGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-39	CCATCTCATCCCTGCGTGTCTCCGACTCAGCACAGTACGTGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-40	CCATCTCATCCCTGCGTGTCTCCGACTCAGCACGACGCGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-41	CCATCTCATCCCTGCGTGTCTCCGACTCAGCACGACTATACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-42	CCATCTCATCCCTGCGTGTCTCCGACTCAGCACGAGAGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-43	CCATCTCATCCCTGCGTGTCTCCGACTCAGCACGTACTAGCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-44	CCATCTCATCCCTGCGTGTCTCCGACTCAGCACGTAGTGTGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC

cyp2d6-lrPCR3-mid-45	CCATCTCATCCCTGCGTGTCTCCGACTCAGCACGTCGCTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-46	CCATCTCATCCCTGCGTGTCTCCGACTCAGCACTACGTCACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-47	CCATCTCATCCCTGCGTGTCTCCGACTCAGCACTATACTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-48	CCATCTCATCCCTGCGTGTCTCCGACTCAGCACTCGTCGTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-49	CCATCTCATCCCTGCGTGTCTCCGACTCAGCAGACGTAGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-50	CCATCTCATCCCTGCGTGTCTCCGACTCAGCAGTACGCGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-51	CCATCTCATCCCTGCGTGTCTCCGACTCAGCAGTACGTATCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-52	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGACACTCGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-53	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGACAGTATACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-54	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGACGAGTCTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-55	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGACGTAGCGGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-56	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGACGTCTATCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-57	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGACTACAGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-58	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGACTCACTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-59	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGACTCGTAGCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-60	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGAGACTACTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-61	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGAGTACGAGCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-62	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGAGTACTCACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-63	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGAGTAGACTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-64	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGAGTATATACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-65	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGAGTGTACGCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-66	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGATACACGTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-67	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGATCGTCGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC

cyp2d6-lrPCR3-mid-68	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGCGGACGTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-69	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGCGGTAGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-70	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGCGCTCGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-71	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGGTACAGTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-72	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGGTATCGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-73	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGGTCTACACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-74	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTACGACGCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-75	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTACTCTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-76	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTAGCGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-77	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTACACACTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-78	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTACACTAGCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-79	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTACAGAGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-80	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTACTATCGCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-81	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTAGACGATCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-82	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTAGAGTGTGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-83	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTAGCTCGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-84	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTAGTCTCTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-85	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTATACTGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-86	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTATCGATACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-87	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTATGTGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-88	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTACGCTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-89	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTACGACTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrPCR3-mid-90	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTCTACTATCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC

cyp2d6-lrpcr3-mid-91	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTCTATACACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-92	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTCTCGACTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-93	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTCTCTCGTCGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-94	CCATCTCATCCCTGCGTGTCTCCGACTCAGCGTCTGACGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-95	CCATCTCATCCCTGCGTGTCTCCGACTCAGCTACACTGTACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr3-mid-96	CCATCTCATCCCTGCGTGTCTCCGACTCAGCTACATACGACGACTCACTATAGGGAGAGGCTCAGTCCTGGGCTTC
cyp2d6-lrpcr-reverse (common reverse primer)	AGGGGGTCCACTTGATGTC

Table S4: Reflex extension primer sequences for 454

Name	Sequence
cyp2d6_reflex_ext_454_01	CGACTCACTATAGGGAGAGGTATCACCCAGGAGCCAG
cyp2d6_reflex_ext_454_02	CGACTCACTATAGGGAGATCATCACCAACCTGTCATCG
cyp2d6_reflex_ext_454_03	CGACTCACTATAGGGAGATGTGACTGCGCCCTGC
cyp2d6_reflex_ext_454_04	CGACTCACTATAGGGAGACCTAGTCCTCAATGCCACCA
cyp2d6_reflex_ext_454_05	CGACTCACTATAGGGAGAGCCCTACACCACTGCCG
cyp2d6_reflex_ext_454_06	CGACTCACTATAGGGAGAGGGCCCTCCTGCTCAT
cyp2d6_reflex_ext_454_07	CGACTCACTATAGGGAGAGGGCTGACAGGTGCAGAAT
cyp2d6_reflex_ext_454_08	CGACTCACTATAGGGAGACTGGTGTAGGTGCTGAATGC
cyp2d6_reflex_ext_454_09	CGACTCACTATAGGGAGAGAGGCCAAGGACTCTGTACCT
cyp2d6_reflex_ext_454_10	CGACTCACTATAGGGAGAAGCGAGAGACCGAGGAGTC
cyp2d6_reflex_ext_454_11	CGACTCACTATAGGGAGACATCTCCCACCCCCAG
cyp2d6_reflex_ext_454_12	CGACTCACTATAGGGAGAGCGAGCAGAGGCGCT

cyp2d6_reflex_ext_454_13	CGACTCACTATAGGGAGACAAGGTGGATGCACAAAGAG
cyp2d6_reflex_ext_454_14	CGACTCACTATAGGGAGAGCCCAATGGGTGAGGC
cyp2d6_reflex_ext_454_15	CGACTCACTATAGGGAGACCCGGGTGGGTGATGA
cyp2d6_reflex_ext_454_16	CGACTCACTATAGGGAGAGGACGTGTTTCAGCCTGC
cyp2d6_reflex_ext_454_17	CGACTCACTATAGGGAGACTCCATCACAGAAGGTGTGAC
cyp2d6_reflex_ext_454_18	CGACTCACTATAGGGAGATGCCGTTTAAATCACGAAATC
cyp2d6_reflex_ext_454_19	CGACTCACTATAGGGAGAGCATGAAGGACTGGATTTTCC
cyp2d6_reflex_ext_454_20	CGACTCACTATAGGGAGATCCAGAACACACCATACTGCT
cyp2d6_reflex_ext_454_21	CGACTCACTATAGGGAGAAGGAGCCCCATTTGGTAGTGA
cyp2d6_reflex_ext_454_22	CGACTCACTATAGGGAGACGCCCTGGCCTGACTCT
cyp2d6_reflex_ext_454_23	CGACTCACTATAGGGAGAGGAGGTGGATGGCCG
cyp2d6_reflex_ext_454_24	CGACTCACTATAGGGAGAAGGGACCAGGCCCATGAT
cyp2d6_reflex_ext_454_25	CGACTCACTATAGGGAGAGCCGGGTCTGTATGTGTGT
cyp2d6_reflex_ext_454_26	CGACTCACTATAGGGAGACCCGGGAGGATGTTGTCAC
cyp2d6_reflex_ext_454_27	CGACTCACTATAGGGAGATGATGTCGAGACTGCAGTGAG

Table S5: Reflex extension primer sequences for Ion Torrent

Name	Sequence
cyp2d6_reflex_ext_IT_01	CGACTCACTATAGGGAGATCTTCTTCACCTCCCTGCTG
cyp2d6_reflex_ext_IT_02	CGACTCACTATAGGGAGACTGTCCCCCTTCCGTGGAG
cyp2d6_reflex_ext_IT_03	CGACTCACTATAGGGAGAAGAAGCCCTTCCGCTTCC
cyp2d6_reflex_ext_IT_04	CGACTCACTATAGGGAGACGCACTCATCACCAACCTG
cyp2d6_reflex_ext_IT_05	CGACTCACTATAGGGAGAAGTCCCCACTCTCACCTG

cyp2d6_reflex_ext_IT_06	CGACTCACTATAGGGAGAGTGTGTCCCCGTGTGT
cyp2d6_reflex_ext_IT_07	CGACTCACTATAGGGAGAAGGACTAGTTGACAGAGTCCAGC
cyp2d6_reflex_ext_IT_08	CGACTCACTATAGGGAGAGGGTCGGAGAGGGTACTGTG
cyp2d6_reflex_ext_IT_09	CGACTCACTATAGGGAGACAGTGTGGGTGCCTCTGA
cyp2d6_reflex_ext_IT_10	CGACTCACTATAGGGAGACTGCCAGAATGTTGGAGGAC
cyp2d6_reflex_ext_IT_11	CGACTCACTATAGGGAGACCAGAGCCCCCGTCTAGT
cyp2d6_reflex_ext_IT_12	CGACTCACTATAGGGAGACACCACACTGACTGTCCCC
cyp2d6_reflex_ext_IT_13	CGACTCACTATAGGGAGACCCTCTAGGAACCCCTGGC
cyp2d6_reflex_ext_IT_14	CGACTCACTATAGGGAGATGGTGATAGCCCCAGCAT
cyp2d6_reflex_ext_IT_15	CGACTCACTATAGGGAGACTTCCGCATCCCTAAGGTAG
cyp2d6_reflex_ext_IT_16	CGACTCACTATAGGGAGATGTGACCCATATGACATCCC
cyp2d6_reflex_ext_IT_17	CGACTCACTATAGGGAGACTACACCACTGCCGTGATTC
cyp2d6_reflex_ext_IT_18	CGACTCACTATAGGGAGAGCGACCAGAGATGGGTGA
cyp2d6_reflex_ext_IT_19	CGACTCACTATAGGGAGAGCCGTGTCCAACAGGAGAT
cyp2d6_reflex_ext_IT_20	CGACTCACTATAGGGAGACCTCCAACATAGGAGGCAAG
cyp2d6_reflex_ext_IT_21	CGACTCACTATAGGGAGACTCCAAGCACAGGCTTGAC
cyp2d6_reflex_ext_IT_22	CGACTCACTATAGGGAGACATCTGGGAAACAGTGCAGG
cyp2d6_reflex_ext_IT_23	CGACTCACTATAGGGAGAGCCTCCTGCTCATGATCCTA
cyp2d6_reflex_ext_IT_24	CGACTCACTATAGGGAGACTCTGCCGGGATGGTGAC
cyp2d6_reflex_ext_IT_25	CGACTCACTATAGGGAGATGAGAGCAGCTTCAATGATGA
cyp2d6_reflex_ext_IT_26	CGACTCACTATAGGGAGAGAGTATGCTCTCGGCCCTG
cyp2d6_reflex_ext_IT_27	CGACTCACTATAGGGAGAGGTGCAGAATTGGAGGTCAT
cyp2d6_reflex_ext_IT_28	CGACTCACTATAGGGAGAAAAAGGTTGGACCAGTGCAT

cyp2d6_reflex_ext_IT_29	CGACTCACTATAGGGAGAGCAAGGGTGGTGGGTTGA
cyp2d6_reflex_ext_IT_30	CGACTCACTATAGGGAGATGGAGAAGGTGAGAGTGGCT
cyp2d6_reflex_ext_IT_31	CGACTCACTATAGGGAGATGAGCACAGGATGACCTGG
cyp2d6_reflex_ext_IT_32	CGACTCACTATAGGGAGACTCCTGCATATCCCAGCG
cyp2d6_reflex_ext_IT_33	CGACTCACTATAGGGAGAACCCCGTTCTGTCTGGTGTA
cyp2d6_reflex_ext_IT_34	CGACTCACTATAGGGAGAAGACTTGTCCAGGTGAACGC
cyp2d6_reflex_ext_IT_35	CGACTCACTATAGGGAGAGGTCAGTGGTAAGGACAGGC
cyp2d6_reflex_ext_IT_36	CGACTCACTATAGGGAGACTCTGGGCAAGGAGAGAGG
cyp2d6_reflex_ext_IT_37	CGACTCACTATAGGGAGAGCCAAGGACTCTGTACCTCCT
cyp2d6_reflex_ext_IT_38	CGACTCACTATAGGGAGAGGTCGTGGGAGAGGTGTG
cyp2d6_reflex_ext_IT_39	CGACTCACTATAGGGAGAGTAAGAAGGGCCTGGAGGAG
cyp2d6_reflex_ext_IT_40	CGACTCACTATAGGGAGAATGGGTTTGGGAAAGGACAT
cyp2d6_reflex_ext_IT_41	CGACTCACTATAGGGAGAGAGTCTCTGCAGGGCGAG
cyp2d6_reflex_ext_IT_42	CGACTCACTATAGGGAGAAGGAGGGACTGAAGGAGGAG
cyp2d6_reflex_ext_IT_43	CGACTCACTATAGGGAGAAAACGTGATCGCCTCCCTC
cyp2d6_reflex_ext_IT_44	CGACTCACTATAGGGAGACTTACCCGCATCTCCCAC
cyp2d6_reflex_ext_IT_45	CGACTCACTATAGGGAGAGTGGGTGATGGGCAGAAG
cyp2d6_reflex_ext_IT_46	CGACTCACTATAGGGAGAAAAGTCGCTGGAGCAGTGG
cyp2d6_reflex_ext_IT_47	CGACTCACTATAGGGAGAGTGGGGCTAATGCCTTCAT
cyp2d6_reflex_ext_IT_48	CGACTCACTATAGGGAGAAGACGAGGTGGGGCAAAG
cyp2d6_reflex_ext_IT_49	CGACTCACTATAGGGAGACTTCCCTGAGTGCAAAGGC
cyp2d6_reflex_ext_IT_50	CGACTCACTATAGGGAGATGCTGTAAGCTCAGTGTGGG
cyp2d6_reflex_ext_IT_51	CGACTCACTATAGGGAGAAGCCCAATGGGTGAGGCT

cyp2d6_reflex_ext_IT_52	CGACTCACTATAGGGAGAGGGCTTGTGACGAGTGGG
cyp2d6_reflex_ext_IT_53	CGACTCACTATAGGGAGAGAAAACCACCTGCACTAGGGA
cyp2d6_reflex_ext_IT_54	CGACTCACTATAGGGAGAGGGTCGTGGACATGAAACA
cyp2d6_reflex_ext_IT_55	CGACTCACTATAGGGAGAGTGGGTGATGACCGTAGTCC
cyp2d6_reflex_ext_IT_56	CGACTCACTATAGGGAGAGTTCCCAAGGCAAGCAGC
cyp2d6_reflex_ext_IT_57	CGACTCACTATAGGGAGAGTCGTGCTCAATGGGCTG
cyp2d6_reflex_ext_IT_58	CGACTCACTATAGGGAGACCAAGGTTCAAATAGGACTAGGA
cyp2d6_reflex_ext_IT_59	CGACTCACTATAGGGAGAACCTGCTCACTCCTGGTAGC
cyp2d6_reflex_ext_IT_60	CGACTCACTATAGGGAGAACAGAAGGTGTGACCCCCAC
cyp2d6_reflex_ext_IT_61	CGACTCACTATAGGGAGAAAAGGTCATACCTGGGTGACG
cyp2d6_reflex_ext_IT_62	CGACTCACTATAGGGAGAGATGCTAACTGGGGCCTCTC
cyp2d6_reflex_ext_IT_63	CGACTCACTATAGGGAGACTTTTTGCACTGTGGGTCCCTC
cyp2d6_reflex_ext_IT_64	CGACTCACTATAGGGAGACACGAAATCGAGGATGAAGG
cyp2d6_reflex_ext_IT_65	CGACTCACTATAGGGAGAGGGAATGGAAGATGAGTTAGTCC
cyp2d6_reflex_ext_IT_66	CGACTCACTATAGGGAGACATATGTTATGGAGTACAAAGTCCC
cyp2d6_reflex_ext_IT_67	CGACTCACTATAGGGAGAAAGCTGGACTTGGCAGTGG
cyp2d6_reflex_ext_IT_68	CGACTCACTATAGGGAGACCAAAGGCCAAGGAAGAGTA
cyp2d6_reflex_ext_IT_69	CGACTCACTATAGGGAGAGACCAGAAGCCAGGCTGA
cyp2d6_reflex_ext_IT_70	CGACTCACTATAGGGAGAGGAGGAGGTCCTGGAGGG
cyp2d6_reflex_ext_IT_71	CGACTCACTATAGGGAGACAACCTGCTGCATGTGGA
cyp2d6_reflex_ext_IT_72	CGACTCACTATAGGGAGATCCTGGTGGACCTGATGC
cyp2d6_reflex_ext_IT_73	CGACTCACTATAGGGAGATATGGGGCTAGAAGCACTGG
cyp2d6_reflex_ext_IT_74	CGACTCACTATAGGGAGAGTCCTGCCTGGTCCTCTGT

cyp2d6_reflex_ext_IT_75	CGACTCACTATAGGGAGAGCCATCATCAGCTCCCTTT
cyp2d6_reflex_ext_IT_76	CGACTCACTATAGGGAGAGGCCTGACTCTGCCACTG
cyp2d6_reflex_ext_IT_77	CGACTCACTATAGGGAGAAAAGAACCTCTGGAGCAGCC
cyp2d6_reflex_ext_IT_78	CGACTCACTATAGGGAGAGGTGACTTCTCCGACCAGG
cyp2d6_reflex_ext_IT_79	CGACTCACTATAGGGAGAACCTGGTTATCCCAGAAGG
cyp2d6_reflex_ext_IT_80	CGACTCACTATAGGGAGACCTAGCTGGGAGGTGGATG
cyp2d6_reflex_ext_IT_81	CGACTCACTATAGGGAGACATGTTCTGGAGGAGGGGT
cyp2d6_reflex_ext_IT_82	CGACTCACTATAGGGAGAGTCACTCTGGAGTGGGCAG
cyp2d6_reflex_ext_IT_83	CGACTCACTATAGGGAGACATCAGGAGCTCTAAGGCC
cyp2d6_reflex_ext_IT_84	CGACTCACTATAGGGAGAGCAAGGTGAAGTGAAGGGAC
cyp2d6_reflex_ext_IT_85	CGACTCACTATAGGGAGACCATCAGGTGTGTGCATAGC
cyp2d6_reflex_ext_IT_86	CGACTCACTATAGGGAGACAAGTGGACAAGTGTCTGGG
cyp2d6_reflex_ext_IT_87	CGACTCACTATAGGGAGACAGTGTGAGTCTGTGTATGTGTGAA
cyp2d6_reflex_ext_IT_88	CGACTCACTATAGGGAGATGACTGGTGTGTGTGAGAGAGA
cyp2d6_reflex_ext_IT_89	CGACTCACTATAGGGAGAAAAGTGGGGTACTTGGTGCC
cyp2d6_reflex_ext_IT_90	CGACTCACTATAGGGAGAAAGGAGTGGTCCCATCCAGG
cyp2d6_reflex_ext_IT_91	CGACTCACTATAGGGAGACAGAGCCCAGGAATGTGG
cyp2d6_reflex_ext_IT_92	CGACTCACTATAGGGAGAAAGCTCTGGGAACAGCCCT
cyp2d6_reflex_ext_IT_93	CGACTCACTATAGGGAGAAATGTTGTACAGGCTGGGG
cyp2d6_reflex_ext_IT_94	CGACTCACTATAGGGAGAAAAGCAGTGGAGGAGGAC
cyp2d6_reflex_ext_IT_95	CGACTCACTATAGGGAGAAAACGTTCCCACCAGATTTCTAA

Table S6: Reflex PCR primer sequences for 454

Name	Sequence
454A (common reverse primer)	CCATCTCATCCCTGCGTGTCTCCGACTCAG
cyp2d6-ref-pcr-454-01	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGAGTCCTTGTCATCAATCTGGG
cyp2d6-ref-pcr-454-02	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCGAGGGCGTGAGCAGG
cyp2d6-ref-pcr-454-03	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCGAGAAGCTGAAGTGCTGC
cyp2d6-ref-pcr-454-04	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCACCTGCTGAGAAAAGGCA
cyp2d6-ref-pcr-454-05	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCTGGACTCTAGGATGCTGGG
cyp2d6-ref-pcr-454-06	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGGTGGCATTGAGGACTAGGTG
cyp2d6-ref-pcr-454-07	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGGGCAGTGGTGTAGGGCAT
cyp2d6-ref-pcr-454-08	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGGGATCATGAGCAGGAGGC
cyp2d6-ref-pcr-454-09	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGACCTCCAATTCTGCACCTG
cyp2d6-ref-pcr-454-10	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGTCATCCAGCTGGGTCAGG
cyp2d6-ref-pcr-454-11	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCCAGGGCCTGCCTGTC
cyp2d6-ref-pcr-454-12	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCTGAGATGTCCCCTCCTCC
cyp2d6-ref-pcr-454-13	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCTGAGCTAGGTCCAGCAGC
cyp2d6-ref-pcr-454-14	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGTGTGCCCTTCTGCCCAT
cyp2d6-ref-pcr-454-15	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCCTGGGGGTGGGACG
cyp2d6-ref-pcr-454-16	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCCCCACCTCGTCTCTGC
cyp2d6-ref-pcr-454-17	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCCCCGCCACTCGTC
cyp2d6-ref-pcr-454-18	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCGCTGCTTGCCTTGG
cyp2d6-ref-pcr-454-19	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCCCCAGACTACAGGTCC
cyp2d6-ref-pcr-454-20	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGGCCGAGAGGCCCCAG
cyp2d6-ref-pcr-454-21	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCTGGTGTGAGCAGAAGGGA
cyp2d6-ref-pcr-454-22	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCTGCTTCCCCTTCTCAGC
cyp2d6-ref-pcr-454-23	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGGGGCAGTGGCAGGGG
cyp2d6-ref-pcr-454-24	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGACCAGGCACAGAGGACC
cyp2d6-ref-pcr-454-25	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCTGCTCCAGGCCCTTACC
cyp2d6-ref-pcr-454-26	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGGCCCTTCCCCTACCCCC
cyp2d6-ref-pcr-454-27	CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCCCAGACACTTGCTCCACTTG

Table S7: Reflex PCR primer sequences for Ion Torrent

Name	Sequence
454A (common reverse primer)	CCATCTCATCCCTGCGTGTCTCCGACTCAG
cyp2d6-ref-pcr-IT-01	CCTCTCTATGGGCAGTCGGTGATTAGGTACCCCATTCTAGCGG
cyp2d6-ref-pcr-IT-02	CCTCTCTATGGGCAGTCGGTGATCAGCAGGGAGGTGAAGAAGA
cyp2d6-ref-pcr-IT-03	CCTCTCTATGGGCAGTCGGTGATCTGGGTGATACCCCTGCAA
cyp2d6-ref-pcr-IT-04	CCTCTCTATGGGCAGTCGGTGATACAGGCACCTGCTGAGAAA
cyp2d6-ref-pcr-IT-05	CCTCTCTATGGGCAGTCGGTGATCTTCACAAAGTGGCCCTGG
cyp2d6-ref-pcr-IT-06	CCTCTCTATGGGCAGTCGGTGATGGAAGGGCTTCTCCAGA
cyp2d6-ref-pcr-IT-07	CCTCTCTATGGGCAGTCGGTGATCGATGACAGGTTGGTGATGA
cyp2d6-ref-pcr-IT-08	CCTCTCTATGGGCAGTCGGTGATCAGGGTGAGAGTGGGGACT
cyp2d6-ref-pcr-IT-09	CCTCTCTATGGGCAGTCGGTGATCCCTGCCACCAAACACAC
cyp2d6-ref-pcr-IT-10	CCTCTCTATGGGCAGTCGGTGATCACAGCTGGACTCTGTCAACT
cyp2d6-ref-pcr-IT-11	CCTCTCTATGGGCAGTCGGTGATTCCACAGTACCCTCTCCGAC
cyp2d6-ref-pcr-IT-12	CCTCTCTATGGGCAGTCGGTGATACACTGCCCCCTCTCCCT
cyp2d6-ref-pcr-IT-13	CCTCTCTATGGGCAGTCGGTGATATTCTGGCAGGTCCTGGTTT
cyp2d6-ref-pcr-IT-14	CCTCTCTATGGGCAGTCGGTGATGGGCTCTGGATGGACAGG
cyp2d6-ref-pcr-IT-15	CCTCTCTATGGGCAGTCGGTGATGACAGTCAGTGTGGTGGCAT
cyp2d6-ref-pcr-IT-16	CCTCTCTATGGGCAGTCGGTGATCAGGGTTCCTAGAGTGGGC
cyp2d6-ref-pcr-IT-17	CCTCTCTATGGGCAGTCGGTGATGTGCTGAGCTGGGGTGAG
cyp2d6-ref-pcr-IT-18	CCTCTCTATGGGCAGTCGGTGATCCTACCTTAGGGATGCGGA
cyp2d6-ref-pcr-IT-19	CCTCTCTATGGGCAGTCGGTGATCATATGGGTCACACCCAGG
cyp2d6-ref-pcr-IT-20	CCTCTCTATGGGCAGTCGGTGATCTGGTCACCCATCTCTGGTC
cyp2d6-ref-pcr-IT-21	CCTCTCTATGGGCAGTCGGTGATTCTGTCGATCTCCTGTTGGAC
cyp2d6-ref-pcr-IT-22	CCTCTCTATGGGCAGTCGGTGATTGACACTCCTTCTTGCCCTCC
cyp2d6-ref-pcr-IT-23	CCTCTCTATGGGCAGTCGGTGATAGGATCCTGGTCAAGCCT
cyp2d6-ref-pcr-IT-24	CCTCTCTATGGGCAGTCGGTGATCCAGCAAAGTTCATGGGC
cyp2d6-ref-pcr-IT-25	CCTCTCTATGGGCAGTCGGTGATACTGTTTCCCAGATGGGCTC
cyp2d6-ref-pcr-IT-26	CCTCTCTATGGGCAGTCGGTGATTAGGATCATGAGCAGGAGGC

cyp2d6-ref-pcr-IT-27	CCTCTCTATGGGCAGTCGGTGATCATCCCCGGCAGAGAACAG
cyp2d6-ref-pcr-IT-28	CCTCTCTATGGGCAGTCGGTGATTTGAAGCTGCTCTCAGGGTT
cyp2d6-ref-pcr-IT-29	CCTCTCTATGGGCAGTCGGTGATAGCATACTCGGGACAGAACG
cyp2d6-ref-pcr-IT-30	CCTCTCTATGGGCAGTCGGTGATATGACCTCCAATTCTGCACC
cyp2d6-ref-pcr-IT-31	CCTCTCTATGGGCAGTCGGTGATCAGCCTCCCCCTCATTCT
cyp2d6-ref-pcr-IT-32	CCTCTCTATGGGCAGTCGGTGATCATCTCTGCCAGGAAGGC
cyp2d6-ref-pcr-IT-33	CCTCTCTATGGGCAGTCGGTGATTGGGTCCCAGGTCATCCT
cyp2d6-ref-pcr-IT-34	CCTCTCTATGGGCAGTCGGTGATAGCTGGGTCAGGAAAGCCT
cyp2d6-ref-pcr-IT-35	CCTCTCTATGGGCAGTCGGTGATATATGCAGGAGGACGGGG
cyp2d6-ref-pcr-IT-36	CCTCTCTATGGGCAGTCGGTGATGTCTCAATCCCTCCTGTGCT
cyp2d6-ref-pcr-IT-37	CCTCTCTATGGGCAGTCGGTGATCATCTCCAGGTAGACCCAGG
cyp2d6-ref-pcr-IT-38	CCTCTCTATGGGCAGTCGGTGATCTCACCAAGTCCCTCCCC
cyp2d6-ref-pcr-IT-39	CCTCTCTATGGGCAGTCGGTGATCTCCTTGCCCAGAGGAGAA
cyp2d6-ref-pcr-IT-40	CCTCTCTATGGGCAGTCGGTGATTGACGTGGATAGGAGGTACAGA
cyp2d6-ref-pcr-IT-41	CCTCTCTATGGGCAGTCGGTGATCCATGTCTGAGATGTCCCCT
cyp2d6-ref-pcr-IT-42	CCTCTCTATGGGCAGTCGGTGATGTCCTTTCCCAAACCCATCT
cyp2d6-ref-pcr-IT-43	CCTCTCTATGGGCAGTCGGTGATCTGCAGAGACTCCTCGGTCT
cyp2d6-ref-pcr-IT-44	CCTCTCTATGGGCAGTCGGTGATCCTGAGCTAGGTCCAGCA
cyp2d6-ref-pcr-IT-45	CCTCTCTATGGGCAGTCGGTGATGAGGGAGGCGATCACGTT
cyp2d6-ref-pcr-IT-46	CCTCTCTATGGGCAGTCGGTGATGGTGGGAGATGCGGGTAA
cyp2d6-ref-pcr-IT-47	CCTCTCTATGGGCAGTCGGTGATGCTCCAGCGACTTCTTGC
cyp2d6-ref-pcr-IT-48	CCTCTCTATGGGCAGTCGGTGATCATTAGCCCCACCATCCA
cyp2d6-ref-pcr-IT-49	CCTCTCTATGGGCAGTCGGTGATCTATGCTCCCCCTGGTCTC
cyp2d6-ref-pcr-IT-50	CCTCTCTATGGGCAGTCGGTGATGTCACAGGGCCCACTCTTT
cyp2d6-ref-pcr-IT-51	CCTCTCTATGGGCAGTCGGTGATTCTCTGCCACCCTGACC
cyp2d6-ref-pcr-IT-52	CCTCTCTATGGGCAGTCGGTGATGCCACCCACACTGAGCTT
cyp2d6-ref-pcr-IT-53	CCTCTCTATGGGCAGTCGGTGATCCCACTTCGACACCGGAT
cyp2d6-ref-pcr-IT-54	CCTCTCTATGGGCAGTCGGTGATCTCACCCATTGGGCTCCT
cyp2d6-ref-pcr-IT-55	CCTCTCTATGGGCAGTCGGTGATCCACTCGTCACAAGCCCC
cyp2d6-ref-pcr-IT-56	CCTCTCTATGGGCAGTCGGTGATCAGGTGGTTTCTTGCCCC

cyp2d6-ref-pcr-IT-57	CCTCTCTATGGGCAGTCGGTGATGGAAATCTGTCTCTGTCCCC
cyp2d6-ref-pcr-IT-58	CCTCTCTATGGGCAGTCGGTGATCAGCCCATTGAGCACGAC
cyp2d6-ref-pcr-IT-59	CCTCTCTATGGGCAGTCGGTGATCAGCTGCAGGCTGAACAC
cyp2d6-ref-pcr-IT-60	CCTCTCTATGGGCAGTCGGTGATGCCTCTTGCAAGCCAGGAT
cyp2d6-ref-pcr-IT-61	CCTCTCTATGGGCAGTCGGTGATTCCATTTGAACCTTGGACG
cyp2d6-ref-pcr-IT-62	CCTCTCTATGGGCAGTCGGTGATAGCAGGTGGAAGGAGGAGA
cyp2d6-ref-pcr-IT-63	CCTCTCTATGGGCAGTCGGTGATTGTGATGGAGGAACTCAGTTTG
cyp2d6-ref-pcr-IT-64	CCTCTCTATGGGCAGTCGGTGATCCTTGCAAGAGTCACCAAAA
cyp2d6-ref-pcr-IT-65	CCTCTCTATGGGCAGTCGGTGATCATCCCATTCCCAGATGATG
cyp2d6-ref-pcr-IT-66	CCTCTCTATGGGCAGTCGGTGATCCACAGTGCAAAGGTTTGA
cyp2d6-ref-pcr-IT-67	CCTCTCTATGGGCAGTCGGTGATCTTCATCCTCGATTTTCGTGA
cyp2d6-ref-pcr-IT-68	CCTCTCTATGGGCAGTCGGTGATCTCATCTTCCATTCCCAAGG
cyp2d6-ref-pcr-IT-69	CCTCTCTATGGGCAGTCGGTGATACTGCCAAGTCCAGCTCCA
cyp2d6-ref-pcr-IT-70	CCTCTCTATGGGCAGTCGGTGATCATGTATAAATGCCCTTCTCCAG
cyp2d6-ref-pcr-IT-71	CCTCTCTATGGGCAGTCGGTGATGCTTCTGGTCCAGCCTGT
cyp2d6-ref-pcr-IT-72	CCTCTCTATGGGCAGTCGGTGATTCCAGGACCTCCTCCCTC
cyp2d6-ref-pcr-IT-73	CCTCTCTATGGGCAGTCGGTGATCACATGCAGCAGGTTGCC
cyp2d6-ref-pcr-IT-74	CCTCTCTATGGGCAGTCGGTGATGCATCAGGTCCACCAGGA
cyp2d6-ref-pcr-IT-75	CCTCTCTATGGGCAGTCGGTGATTGCTTCTAGCCCCATACCTG
cyp2d6-ref-pcr-IT-76	CCTCTCTATGGGCAGTCGGTGATACCCCACCAGGCACAGAG
cyp2d6-ref-pcr-IT-77	CCTCTCTATGGGCAGTCGGTGATACTCTCAGCACACCGAGCG
cyp2d6-ref-pcr-IT-78	CCTCTCTATGGGCAGTCGGTGATTGAGTGAACCTGCTGTGTTG
cyp2d6-ref-pcr-IT-79	CCTCTCTATGGGCAGTCGGTGATGTATGGGCTGCTCCAGAGGT
cyp2d6-ref-pcr-IT-80	CCTCTCTATGGGCAGTCGGTGATCTCCAGGCCCTTACCCAG
cyp2d6-ref-pcr-IT-81	CCTCTCTATGGGCAGTCGGTGATAGAAGTACCCCCTCTCCC
cyp2d6-ref-pcr-IT-82	CCTCTCTATGGGCAGTCGGTGATCTGCAAAGCCTTCTGGGATA
cyp2d6-ref-pcr-IT-83	CCTCTCTATGGGCAGTCGGTGATCCAGCTAGGCTCATAACCCC
cyp2d6-ref-pcr-IT-84	CCTCTCTATGGGCAGTCGGTGATAACATGGCCTTGCCCTTT
cyp2d6-ref-pcr-IT-85	CCTCTCTATGGGCAGTCGGTGATCCAGAGTGACCTTCAGCACC
cyp2d6-ref-pcr-IT-86	CCTCTCTATGGGCAGTCGGTGATCTTACCTGGGGCCTTAGAGC

cyp2d6-ref-pcr-IT-87	CCTCTCTATGGGCAGTCGGTGATCACAGACGCTATGCACACAC
cyp2d6-ref-pcr-IT-88	CCTCTCTATGGGCAGTCGGTGATTGTCCACTCCCAGACACTTG
cyp2d6-ref-pcr-IT-89	CCTCTCTATGGGCAGTCGGTGATTTGCAGGGACACGATTACAC
cyp2d6-ref-pcr-IT-90	CCTCTCTATGGGCAGTCGGTGATCAAAGACAATATTCACACATACACAGA
cyp2d6-ref-pcr-IT-91	CCTCTCTATGGGCAGTCGGTGATCACATTCTCTCTCACACACACC
cyp2d6-ref-pcr-IT-92	CCTCTCTATGGGCAGTCGGTGATGGCACCAAGTACCCCACTT
cyp2d6-ref-pcr-IT-93	CCTCTCTATGGGCAGTCGGTGATTGGATGGGACCACTCCTG
cyp2d6-ref-pcr-IT-94	CCTCTCTATGGGCAGTCGGTGATCCACATTCTGGGCTCTG
cyp2d6-ref-pcr-IT-95	CCTCTCTATGGGCAGTCGGTGATCAACAGGGCTGTTCCCAG
cyp2d6-ref-pcr-IT-55	CCTCTCTATGGGCAGTCGGTGATCCACTCGTCACAAGCCCC
cyp2d6-ref-pcr-IT-56	CCTCTCTATGGGCAGTCGGTGATCAGGTGGTTTCTTGCCCC
cyp2d6-ref-pcr-IT-57	CCTCTCTATGGGCAGTCGGTGATGGAAATCTGTCTCTGTCCCC
cyp2d6-ref-pcr-IT-58	CCTCTCTATGGGCAGTCGGTGATCAGCCCATTGAGCACGAC
cyp2d6-ref-pcr-IT-59	CCTCTCTATGGGCAGTCGGTGATCAGCTGCAGGCTGAACAC
cyp2d6-ref-pcr-IT-60	CCTCTCTATGGGCAGTCGGTGATGCCTCTTGCAAGCCAGGAT
cyp2d6-ref-pcr-IT-61	CCTCTCTATGGGCAGTCGGTGATTCTATTTGAACCTTGGACG
cyp2d6-ref-pcr-IT-62	CCTCTCTATGGGCAGTCGGTGATAGCAGGTGGAAGGAGGAGA
cyp2d6-ref-pcr-IT-63	CCTCTCTATGGGCAGTCGGTGATTGTGATGGAGGAACTCAGTTTG
cyp2d6-ref-pcr-IT-64	CCTCTCTATGGGCAGTCGGTGATCCTTGCAAGAGTCACCAAAA
cyp2d6-ref-pcr-IT-65	CCTCTCTATGGGCAGTCGGTGATCATCCCATTCCCAGATGATG
cyp2d6-ref-pcr-IT-66	CCTCTCTATGGGCAGTCGGTGATCCACAGTGCAAAAGGTTTGA
cyp2d6-ref-pcr-IT-67	CCTCTCTATGGGCAGTCGGTGATCTTCATCCTCGATTTCTGTA
cyp2d6-ref-pcr-IT-68	CCTCTCTATGGGCAGTCGGTGATCTCATCTTCCATTCCCAAGG
cyp2d6-ref-pcr-IT-69	CCTCTCTATGGGCAGTCGGTGATACTGCCAAGTCCAGCTCCA
cyp2d6-ref-pcr-IT-70	CCTCTCTATGGGCAGTCGGTGATCATGTATAAATGCCCTTCTCCAG
cyp2d6-ref-pcr-IT-71	CCTCTCTATGGGCAGTCGGTGATGCTTCTGGTCCAGCCTGT
cyp2d6-ref-pcr-IT-72	CCTCTCTATGGGCAGTCGGTGATTCCAGGACCTCCTCCCTC
cyp2d6-ref-pcr-IT-73	CCTCTCTATGGGCAGTCGGTGATCACATGCAGCAGGTTGCC
cyp2d6-ref-pcr-IT-74	CCTCTCTATGGGCAGTCGGTGATGCATCAGGTCCACCAGGA
cyp2d6-ref-pcr-IT-75	CCTCTCTATGGGCAGTCGGTGATTGCTTCTAGCCCCATACCTG

cyp2d6-ref-pcr-IT-76	CCTCTCTATGGGCAGTCGGTGATAACCCACCAGGCACAGAG
cyp2d6-ref-pcr-IT-77	CCTCTCTATGGGCAGTCGGTGATACTCTCAGCACACCGAGCG
cyp2d6-ref-pcr-IT-78	CCTCTCTATGGGCAGTCGGTGATTGAGTGAACCTGCTGTGTTG
cyp2d6-ref-pcr-IT-79	CCTCTCTATGGGCAGTCGGTGATGTATGGGCTGCTCCAGAGGT
cyp2d6-ref-pcr-IT-80	CCTCTCTATGGGCAGTCGGTGATCTCCAGGCCCTTACCCAG
cyp2d6-ref-pcr-IT-81	CCTCTCTATGGGCAGTCGGTGATAGAAGTCACCCCTCTCCC
cyp2d6-ref-pcr-IT-82	CCTCTCTATGGGCAGTCGGTGATCTGCAAAGCCTTCTGGGATA
cyp2d6-ref-pcr-IT-83	CCTCTCTATGGGCAGTCGGTGATCCAGCTAGGCTCATAACCC
cyp2d6-ref-pcr-IT-84	CCTCTCTATGGGCAGTCGGTGATAACATGGCCTTGCCCTTT
cyp2d6-ref-pcr-IT-85	CCTCTCTATGGGCAGTCGGTGATCCAGAGTGACCTTCAGCACC
cyp2d6-ref-pcr-IT-86	CCTCTCTATGGGCAGTCGGTGATCTTACCTGGGGCCTTAGAGC
cyp2d6-ref-pcr-IT-87	CCTCTCTATGGGCAGTCGGTGATCACAGACGCTATGCACACAC
cyp2d6-ref-pcr-IT-88	CCTCTCTATGGGCAGTCGGTGATTGTCCACTCCCAGACACTTG
cyp2d6-ref-pcr-IT-89	CCTCTCTATGGGCAGTCGGTGATTTGCAGGGACACGATTACAC
cyp2d6-ref-pcr-IT-90	CCTCTCTATGGGCAGTCGGTGATCAAAGACAATATTCACACATACACAGA
cyp2d6-ref-pcr-IT-91	CCTCTCTATGGGCAGTCGGTGATCACATTCTCTCTCACACACACC
cyp2d6-ref-pcr-IT-92	CCTCTCTATGGGCAGTCGGTGATGGCACCAAGTACCCCACTT
cyp2d6-ref-pcr-IT-93	CCTCTCTATGGGCAGTCGGTGATTGGATGGGACCACTCCTG
cyp2d6-ref-pcr-IT-94	CCTCTCTATGGGCAGTCGGTGATCCACATTCTGGGCTCTG
cyp2d6-ref-pcr-IT-95	CCTCTCTATGGGCAGTCGGTGATCAACAGGGCTGTTCCAG