PGX TaqMan Genotype and Phenotype Result Review

12_20_2023_13_45_46

['GPGX-QS-23-30b_20230328_112910_Export.csv', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
305	100067795	CYP2C Cluster	G/G	Report Genotype Only	NA
0	100067795	CYP2C19	*1/*17	Rapid Metabolizer	NA
243	100067795	CYP2C9	*1/*2	Intermediate Metabolizer	1.5
73	100067795	CYP2D6	*1/*1	Normal Metabolizer	2
201	100067795	CYP3A5	*3/*3	Poor Metabolizer	NA
310	100067795	CYP4F2	*1/*1	Report Genotype Only	NA
236	100067795	SLCO1B1	*1/*1	Normal Function	NA
323	100067795	VKORC1	A/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
0	100067795	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
18	100067795	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
29	100067795	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*1/*17	Rapid Metabolizer	NA
37	100067795	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
45	100067795	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*1/*17	Rapid Metabolizer	NA
53	100067795	C___469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/T	HET	*1/*17	Rapid Metabolizer	NA
61	100067795	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*17	Rapid Metabolizer	NA
73	100067795	Hs00010001_cn	Not Detected	CYP2D6		2.0	*1/*1	Normal Metabolizer	2
80	100067795	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
97	100067795	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
100	100067795	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
116	100067795	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
129	100067795	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
136	100067795	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
145	100067795	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*1	Normal Metabolizer	2
150	100067795	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
167	100067795	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*1	Normal Metabolizer	2
173	100067795	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
184	100067795	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
194	100067795	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
201	100067795	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
216	100067795	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
221	100067795	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
236	100067795	C__30633906_10	SCLO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	T/T	WT	*1/*1	Normal Function	NA
243	100067795	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/T	HET	*1/*2	Intermediate Metabolizer	1.5
259	100067795	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*2	Intermediate Metabolizer	1.5
265	100067795	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*2	Intermediate Metabolizer	1.5
270	100067795	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*2	Intermediate Metabolizer	1.5
288	100067795	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*2	Intermediate Metabolizer	1.5
294	100067795	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*2	Intermediate Metabolizer	1.5
305	100067795	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
310	100067795	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/C	WT	*1/*1	Report Genotype Only	NA
323	100067795	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	T/T	MUT	A/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

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['GPGX-QS-23-30b_20230328_112910_Export.csv', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
308	100067800	CYP2C Cluster	G/G	Report Genotype Only	NA
4	100067800	CYP2C19	*1/*17	Rapid Metabolizer	NA
245	100067800	CYP2C9	*1/*1	Normal Metabolizer	2
74	100067800	CYP2D6	*1/*2	Normal Metabolizer	2
208	100067800	CYP3A5	*1/*3	Intermediate Metabolizer	NA
311	100067800	CYP4F2	*1/*3	Report Genotype Only	NA
230	100067800	SLCO1B1	*1/*1	Normal Function	NA
320	100067800	VKORC1	A/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
4	100067800	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
19	100067800	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
25	100067800	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*1/*17	Rapid Metabolizer	NA
39	100067800	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
47	100067800	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*1/*17	Rapid Metabolizer	NA
59	100067800	C___469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/T	HET	*1/*17	Rapid Metabolizer	NA
60	100067800	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*17	Rapid Metabolizer	NA
74	100067800	Hs00010001_cn	Not Detected	CYP2D6		2.0	*1/*2	Normal Metabolizer	2
81	100067800	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*2	Normal Metabolizer	2
94	100067800	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*2	Normal Metabolizer	2
104	100067800	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/G	HET	*1/*2	Normal Metabolizer	2
111	100067800	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	A/G	HET	*1/*2	Normal Metabolizer	2
120	100067800	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
139	100067800	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*2	Normal Metabolizer	2
148	100067800	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*2	Normal Metabolizer	2
151	100067800	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*2	Normal Metabolizer	2
161	100067800	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*2	Normal Metabolizer	2
177	100067800	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
181	100067800	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
190	100067800	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
208	100067800	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	T/C	HET	*1/*3	Intermediate Metabolizer	NA
217	100067800	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*1/*3	Intermediate Metabolizer	NA
225	100067800	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*1/*3	Intermediate Metabolizer	NA
230	100067800	C__30633906_10	SCLO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	T/T	WT	*1/*1	Normal Function	NA
245	100067800	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
250	100067800	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
266	100067800	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
271	100067800	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
283	100067800	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
297	100067800	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
308	100067800	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
311	100067800	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/T	HET	*1/*3	Report Genotype Only	NA
320	100067800	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	T/T	MUT	A/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

12_20_2023_13_45_47

['GPGX-QS-23-30b_20230328_112910_Export.csv', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
309	100068669	CYP2C Cluster	G/G	Report Genotype Only	NA
9	100068669	CYP2C19	*17/*17	Ultrarapid Metabolizer	NA
249	100068669	CYP2C9	*1/*1	Normal Metabolizer	2
72	100068669	CYP2D6	*1/*2	Normal Metabolizer	2
207	100068669	CYP3A5	*3/*3	Poor Metabolizer	NA
318	100068669	CYP4F2	*1/*3	Report Genotype Only	NA
235	100068669	SLCO1B1	*1/*1	Normal Function	NA
321	100068669	VKORC1	G/G	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
9	100068669	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*17/*17	Ultrarapid Metabolizer	NA
13	100068669	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*17/*17	Ultrarapid Metabolizer	NA
21	100068669	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*17/*17	Ultrarapid Metabolizer	NA
31	100068669	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*17/*17	Ultrarapid Metabolizer	NA
46	100068669	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*17/*17	Ultrarapid Metabolizer	NA
57	100068669	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	T/T	MUT	*17/*17	Ultrarapid Metabolizer	NA
62	100068669	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*17/*17	Ultrarapid Metabolizer	NA
72	100068669	Hs00010001_cn	Not Detected	CYP2D6		2.0	*1/*2	Normal Metabolizer	2
89	100068669	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*2	Normal Metabolizer	2
93	100068669	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*2	Normal Metabolizer	2
109	100068669	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/G	HET	*1/*2	Normal Metabolizer	2
112	100068669	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	A/G	HET	*1/*2	Normal Metabolizer	2
128	100068669	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
134	100068669	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*2	Normal Metabolizer	2
146	100068669	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*2	Normal Metabolizer	2
158	100068669	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*2	Normal Metabolizer	2
169	100068669	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*2	Normal Metabolizer	2
178	100068669	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
180	100068669	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
193	100068669	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
207	100068669	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
215	100068669	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
227	100068669	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
235	100068669	C__30633906_10	SCLO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	T/T	WT	*1/*1	Normal Function	NA
249	100068669	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
252	100068669	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
268	100068669	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
272	100068669	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
287	100068669	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
290	100068669	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
309	100068669	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
318	100068669	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/T	HET	*1/*3	Report Genotype Only	NA
321	100068669	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	C/C	WT	G/G	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

12_20_2023_13_45_48

['GPGX-QS-23-30b_20230328_112910_Export.csv', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
300	100068746	CYP2C Cluster	A/G	Report Genotype Only	NA
7	100068746	CYP2C19	*2/*17	Intermediate Metabolizer	NA
247	100068746	CYP2C9	*1/*1	Normal Metabolizer	2
78	100068746	CYP2D6	*1/*4	Intermediate Metabolizer	1
206	100068746	CYP3A5	*3/*3	Poor Metabolizer	NA
317	100068746	CYP4F2	*1/*3	Report Genotype Only	NA
233	100068746	SLCO1B1	*1/*1	Normal Function	NA
327	100068746	VKORC1	G/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
7	100068746	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	A/G	HET	*2/*17	Intermediate Metabolizer	NA
16	100068746	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
22	100068746	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*2/*17	Intermediate Metabolizer	NA
33	100068746	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
43	100068746	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*2/*17	Intermediate Metabolizer	NA
55	100068746	C___469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/T	HET	*2/*17	Intermediate Metabolizer	NA
66	100068746	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*2/*17	Intermediate Metabolizer	NA
78	100068746	Hs00010001_cn	Not Detected	CYP2D6		2.0	*1/*4	Intermediate Metabolizer	1
86	100068746	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*4	Intermediate Metabolizer	1
95	100068746	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	A/G	HET	*1/*4	Intermediate Metabolizer	1
105	100068746	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/G	HET	*1/*4	Intermediate Metabolizer	1
114	100068746	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*4	Intermediate Metabolizer	1
127	100068746	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/T	HET	*1/*4	Intermediate Metabolizer	1
138	100068746	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*4	Intermediate Metabolizer	1
147	100068746	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*4	Intermediate Metabolizer	1
157	100068746	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*4	Intermediate Metabolizer	1
164	100068746	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*4	Intermediate Metabolizer	1
171	100068746	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*4	Intermediate Metabolizer	1
186	100068746	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*4	Intermediate Metabolizer	1
198	100068746	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*4	Intermediate Metabolizer	1
206	100068746	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
213	100068746	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
226	100068746	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
233	100068746	C__30633906_10	SCLO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	T/T	WT	*1/*1	Normal Function	NA
247	100068746	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
251	100068746	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
260	100068746	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
274	100068746	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
285	100068746	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
299	100068746	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
300	100068746	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	A/G	HET	A/G	Report Genotype Only	NA
317	100068746	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/T	HET	*1/*3	Report Genotype Only	NA
327	100068746	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	C/T	HET	G/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

12_20_2023_13_45_48

['GPGX-QS-23-30b_20230328_112910_Export.csv', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
302	100068880	CYP2C Cluster	G/G	Report Genotype Only	NA
8	100068880	CYP2C19	*1/*1	Normal Metabolizer	NA
242	100068880	CYP2C9	*1/*1	Normal Metabolizer	2
75	100068880	CYP2D6	*1/*1	Normal Metabolizer	2
209	100068880	CYP3A5	*3/*3	Poor Metabolizer	NA
316	100068880	CYP4F2	*1/*1	Report Genotype Only	NA
234	100068880	SLCO1B1	*1/*1	Normal Function	NA
326	100068880	VKORC1	G/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
8	100068880	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
14	100068880	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
28	100068880	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*1/*1	Normal Metabolizer	NA
34	100068880	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
40	100068880	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*1/*1	Normal Metabolizer	NA
54	100068880	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
65	100068880	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
75	100068880	Hs00010001_cn	Not Detected	CYP2D6		2.0	*1/*1	Normal Metabolizer	2
84	100068880	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
91	100068880	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
103	100068880	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
113	100068880	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
122	100068880	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
131	100068880	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
144	100068880	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*1	Normal Metabolizer	2
153	100068880	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
168	100068880	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*1	Normal Metabolizer	2
175	100068880	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
185	100068880	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
192	100068880	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
209	100068880	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
211	100068880	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
220	100068880	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
234	100068880	C__30633906_10	SCLO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	T/T	WT	*1/*1	Normal Function	NA
242	100068880	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
255	100068880	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
263	100068880	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
275	100068880	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
280	100068880	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
296	100068880	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
302	100068880	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
316	100068880	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/C	WT	*1/*1	Report Genotype Only	NA
326	100068880	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	C/T	HET	G/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

12_20_2023_13_45_49

['GPGX-QS-23-30b_20230328_112910_Export.csv', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
304	100068882	CYP2C Cluster	A/G	Report Genotype Only	NA
6	100068882	CYP2C19	*2/*17	Intermediate Metabolizer	NA
240	100068882	CYP2C9	*1/*1	Normal Metabolizer	2
77	100068882	CYP2D6	*2/*41	Normal Metabolizer	1.5
205	100068882	CYP3A5	*3/*3	Poor Metabolizer	NA
315	100068882	CYP4F2	*1/*1	Report Genotype Only	NA
238	100068882	SLCO1B1	*1/*5	Decreased Function	NA
324	100068882	VKORC1	A/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
6	100068882	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	A/G	HET	*2/*17	Intermediate Metabolizer	NA
12	100068882	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
23	100068882	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*2/*17	Intermediate Metabolizer	NA
35	100068882	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
44	100068882	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*2/*17	Intermediate Metabolizer	NA
51	100068882	C___469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/T	HET	*2/*17	Intermediate Metabolizer	NA
64	100068882	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*2/*17	Intermediate Metabolizer	NA
77	100068882	Hs00010001_cn	Not Detected	CYP2D6		2.0	*2/*41	Normal Metabolizer	1.5
82	100068882	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*2/*41	Normal Metabolizer	1.5
99	100068882	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*2/*41	Normal Metabolizer	1.5
108	100068882	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	G/G	MUT	*2/*41	Normal Metabolizer	1.5
115	100068882	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	A/A	MUT	*2/*41	Normal Metabolizer	1.5
123	100068882	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*2/*41	Normal Metabolizer	1.5
133	100068882	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*2/*41	Normal Metabolizer	1.5
143	100068882	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*2/*41	Normal Metabolizer	1.5
155	100068882	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*2/*41	Normal Metabolizer	1.5
166	100068882	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*2/*41	Normal Metabolizer	1.5
176	100068882	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*2/*41	Normal Metabolizer	1.5
182	100068882	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/T	HET	*2/*41	Normal Metabolizer	1.5
197	100068882	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*2/*41	Normal Metabolizer	1.5
205	100068882	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
210	100068882	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
223	100068882	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
238	100068882	C__30633906_10	SCLO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	C/T	HET	*1/*5	Decreased Function	NA
240	100068882	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
258	100068882	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
267	100068882	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
277	100068882	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
289	100068882	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
292	100068882	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
304	100068882	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	A/G	HET	A/G	Report Genotype Only	NA
315	100068882	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/C	WT	*1/*1	Report Genotype Only	NA
324	100068882	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	T/T	MUT	A/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

12_20_2023_13_45_49

['GPGX-QS-23-30b_20230328_112910_Export.csv', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
306	100079914	CYP2C Cluster	A/G	Report Genotype Only	NA
2	100079914	CYP2C19	*2/*17	Intermediate Metabolizer	NA
248	100079914	CYP2C9	*1/*1	Normal Metabolizer	2
76	100079914	CYP2D6	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
200	100079914	CYP3A5	*1/*1	Normal Metabolizer	NA
314	100079914	CYP4F2	*1/*3	Report Genotype Only	NA
237	100079914	SLCO1B1	*1/*5	Decreased Function	NA
322	100079914	VKORC1	A/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
2	100079914	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	A/G	HET	*2/*17	Intermediate Metabolizer	NA
11	100079914	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
24	100079914	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*2/*17	Intermediate Metabolizer	NA
36	100079914	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
49	100079914	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*2/*17	Intermediate Metabolizer	NA
58	100079914	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/T	HET	*2/*17	Intermediate Metabolizer	NA
63	100079914	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*2/*17	Intermediate Metabolizer	NA
76	100079914	Hs00010001_cn	Not Detected	CYP2D6		3.0	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
88	100079914	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
96	100079914	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	A/G	HET	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
107	100079914	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/G	HET	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
119	100079914	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
125	100079914	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/T	HET	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
137	100079914	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
142	100079914	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
152	100079914	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
162	100079914	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
179	100079914	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
189	100079914	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
199	100079914	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
200	100079914	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	T/T	WT	*1/*1	Normal Metabolizer	NA
219	100079914	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*1/*1	Normal Metabolizer	NA
228	100079914	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*1/*1	Normal Metabolizer	NA
237	100079914	C__30633906_10	SCLO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	C/T	HET	*1/*5	Decreased Function	NA
248	100079914	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
253	100079914	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
269	100079914	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
279	100079914	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
282	100079914	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
291	100079914	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
306	100079914	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	A/G	HET	A/G	Report Genotype Only	NA
314	100079914	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/T	HET	*1/*3	Report Genotype Only	NA
322	100079914	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	T/T	MUT	A/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

12_20_2023_13_45_50

['GPGX-QS-23-30b_20230328_112910_Export.csv', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
303	111111017	CYP2C Cluster	G/G	Report Genotype Only	NA
1	111111017	CYP2C19	*1/*1	Normal Metabolizer	NA
241	111111017	CYP2C9	*1/*1	Normal Metabolizer	2
79	111111017	CYP2D6	*2/*2	Normal Metabolizer	2
203	111111017	CYP3A5	*3/*3	Poor Metabolizer	NA
319	111111017	CYP4F2	*1/*3	Report Genotype Only	NA
232	111111017	SLCO1B1	*1/*5	Decreased Function	NA
329	111111017	VKORC1	G/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
1	111111017	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
15	111111017	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
20	111111017	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*1/*1	Normal Metabolizer	NA
32	111111017	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
48	111111017	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*1/*1	Normal Metabolizer	NA
50	111111017	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
68	111111017	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
79	111111017	Hs00010001_cn	Not Detected	CYP2D6		2.0	*2/*2	Normal Metabolizer	2
85	111111017	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*2/*2	Normal Metabolizer	2
98	111111017	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*2/*2	Normal Metabolizer	2
102	111111017	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	G/G	MUT	*2/*2	Normal Metabolizer	2
110	111111017	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	A/A	MUT	*2/*2	Normal Metabolizer	2
126	111111017	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*2/*2	Normal Metabolizer	2
130	111111017	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*2/*2	Normal Metabolizer	2
141	111111017	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*2/*2	Normal Metabolizer	2
159	111111017	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*2/*2	Normal Metabolizer	2
165	111111017	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*2/*2	Normal Metabolizer	2
170	111111017	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*2/*2	Normal Metabolizer	2
183	111111017	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*2/*2	Normal Metabolizer	2
191	111111017	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*2/*2	Normal Metabolizer	2
203	111111017	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
218	111111017	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
229	111111017	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
232	111111017	C__30633906_10	SCLO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	C/T	HET	*1/*5	Decreased Function	NA
241	111111017	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
256	111111017	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
261	111111017	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
276	111111017	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
281	111111017	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
293	111111017	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
303	111111017	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
319	111111017	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/T	HET	*1/*3	Report Genotype Only	NA
329	111111017	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	C/T	HET	G/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

12_20_2023_13_45_51

['GPGX-QS-23-30b_20230328_112910_Export.csv', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
301	NTC	CYP2C Cluster	nan	nan	nan
3	NTC	CYP2C19	nan	nan	nan
246	NTC	CYP2C9	nan	nan	nan
70	NTC	CYP2D6	nan	nan	nan
202	NTC	CYP3A5	nan	nan	nan
312	NTC	CYP4F2	nan	nan	nan
231	NTC	SLCO1B1	nan	nan	nan
325	NTC	VKORC1	nan	nan	nan

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
3	NTC	C__25986767_70	Not Detected	CYP2C19	Not Detected	Not Detected			
10	NTC	C__27861809_10	Not Detected	CYP2C19	Not Detected	Not Detected			
26	NTC	C__30634136_10	Not Detected	CYP2C19	Not Detected	Not Detected			
30	NTC	C__27531918_10	Not Detected	CYP2C19	Not Detected	Not Detected			
41	NTC	C__30634130_30	Not Detected	CYP2C19	Not Detected	Not Detected			
52	NTC	C____469857_10	Not Detected	CYP2C19	Not Detected	Not Detected			
69	NTC	C__30634128_10	Not Detected	CYP2C19	Not Detected	Not Detected			
70	NTC	Hs00010001_cn	Not Detected	CYP2D6		nan			
83	NTC	C___2222771_A0	Not Detected	CYP2D6	Not Detected	Not Detected			
90	NTC	C__11484460_40	Not Detected	CYP2D6	Not Detected	Not Detected			
101	NTC	C__27102414_10	Not Detected	CYP2D6	Not Detected	Not Detected			
117	NTC	C__27102425_10	Not Detected	CYP2D6	Not Detected	Not Detected			
121	NTC	C__27102431_D0	Not Detected	CYP2D6	Not Detected	Not Detected			
135	NTC	C__32388575_A0	Not Detected	CYP2D6	Not Detected	Not Detected			
149	NTC	C__32407229_60	Not Detected	CYP2D6	Not Detected	Not Detected			
156	NTC	C__32407232_50	Not Detected	CYP2D6	Not Detected	Not Detected			
160	NTC	C__32407243_20	Not Detected	CYP2D6	Not Detected	Not Detected			
172	NTC	C__34816113_20	Not Detected	CYP2D6	Not Detected	Not Detected			
187	NTC	C__34816116_20	Not Detected	CYP2D6	Not Detected	Not Detected			
196	NTC	C_30634117C_K0	Not Detected	CYP2D6	Not Detected	Not Detected			
202	NTC	C__26201809_30	Not Detected	CYP3A5	Not Detected	Not Detected			
212	NTC	C__30203950_10	Not Detected	CYP3A5	Not Detected	Not Detected			
224	NTC	C__32287188_10	Not Detected	CYP3A5	Not Detected	Not Detected			
231	NTC	C__30633906_10	Not Detected	SLCO1B1	Not Detected	Not Detected			
246	NTC	C__25625805_10	Not Detected	CYP2C9	Not Detected	Not Detected			
257	NTC	C__27104892_10	Not Detected	CYP2C9	Not Detected	Not Detected			
262	NTC	C__27859817_40	Not Detected	CYP2C9	Not Detected	Not Detected			
273	NTC	C__32287221_20	Not Detected	CYP2C9	Not Detected	Not Detected			
286	NTC	C__25625804_10	Not Detected	CYP2C9	Not Detected	Not Detected			
295	NTC	C__30634132_70	Not Detected	CYP2C9	Not Detected	Not Detected			
301	NTC	C__31983399_10	Not Detected	CYP2C Cluster	Not Detected	Not Detected			
312	NTC	C__16179493_40	Not Detected	CYP4F2	Not Detected	Not Detected			
325	NTC	C__30403261_20	Not Detected	VKORC1	Not Detected	Not Detected			

PGX TaqMan Genotype and Phenotype Result Review

12_20_2023_13_45_51

['GPGX-QS-23-30b_20230328_112910_Export.csv', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
307	POS	CYP2C Cluster	G/G	Report Genotype Only	NA
5	POS	CYP2C19	*1/*1	Normal Metabolizer	NA
244	POS	CYP2C9	*2/*2	Intermediate Metabolizer	1
71	POS	CYP2D6	*1/*1	Normal Metabolizer	2
204	POS	CYP3A5	*3/*3	Poor Metabolizer	NA
313	POS	CYP4F2	*1/*1	Report Genotype Only	NA
239	POS	SLCO1B1	*1/*5	Decreased Function	NA
328	POS	VKORC1	G/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
5	POS	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
17	POS	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
27	POS	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*1/*1	Normal Metabolizer	NA
38	POS	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
42	POS	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*1/*1	Normal Metabolizer	NA
56	POS	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
67	POS	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
71	POS	Hs00010001_cn	Not Detected	CYP2D6		2.0	*1/*1	Normal Metabolizer	2
87	POS	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
92	POS	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
106	POS	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
118	POS	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
124	POS	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
132	POS	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
140	POS	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*1	Normal Metabolizer	2
154	POS	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
163	POS	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*1	Normal Metabolizer	2
174	POS	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
188	POS	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
195	POS	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
204	POS	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
214	POS	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
222	POS	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
239	POS	C__30633906_10	SCLO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	C/T	HET	*1/*5	Decreased Function	NA
244	POS	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	T/T	MUT	*2/*2	Intermediate Metabolizer	1
254	POS	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*2/*2	Intermediate Metabolizer	1
264	POS	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*2/*2	Intermediate Metabolizer	1
278	POS	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*2/*2	Intermediate Metabolizer	1
284	POS	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*2/*2	Intermediate Metabolizer	1
298	POS	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*2/*2	Intermediate Metabolizer	1
307	POS	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
313	POS	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/C	WT	*1/*1	Report Genotype Only	NA
328	POS	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	C/T	HET	G/A	Report Genotype Only	NA