PGX TaqMan Genotype and Phenotype Result Review

07_19_2024_15_43_40

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

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
66	100067795	CYP2C Cluster	G/G	Report Genotype Only	NA
67	100067795	CYP2C19	*1/*17	Rapid Metabolizer	NA
74	100067795	CYP2C9	*1/*2	Intermediate Metabolizer	1.5
80	100067795	CYP2D6	*1/*1	Normal Metabolizer	2
93	100067795	CYP3A5	*3/*3	Poor Metabolizer	NA
96	100067795	CYP4F2	*1/*1	Report Genotype Only	NA
97	100067795	SLCO1B1	*1/*1	Normal Function	NA
98	100067795	VKORC1	A/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
66	100067795	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
67	100067795	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
68	100067795	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
69	100067795	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
70	100067795	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*17	Rapid Metabolizer	NA
71	100067795	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*1/*17	Rapid Metabolizer	NA
72	100067795	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*1/*17	Rapid Metabolizer	NA
73	100067795	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/T	HET	*1/*17	Rapid Metabolizer	NA
74	100067795	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*2	Intermediate Metabolizer	1.5
75	100067795	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/T	HET	*1/*2	Intermediate Metabolizer	1.5
76	100067795	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*2	Intermediate Metabolizer	1.5
77	100067795	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*2	Intermediate Metabolizer	1.5
78	100067795	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*2	Intermediate Metabolizer	1.5
79	100067795	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*2	Intermediate Metabolizer	1.5
80	100067795	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
81	100067795	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
82	100067795	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
83	100067795	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
84	100067795	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
85	100067795	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
86	100067795	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*1	Normal Metabolizer	2
87	100067795	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
88	100067795	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*1	Normal Metabolizer	2
89	100067795	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
90	100067795	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
91	100067795	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
92	100067795	Hs00010001_cn	CYP2D6_ex9 (Copy Number)	CYP2D6	2.0	2.0	*1/*1	Normal Metabolizer	2
93	100067795	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
94	100067795	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
95	100067795	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
96	100067795	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/C	WT	*1/*1	Report Genotype Only	NA
97	100067795	C__30633906_10	SLCO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	T/T	WT	*1/*1	Normal Function	NA
98	100067795	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	T/T	A/A	A/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

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	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
99	100067800	CYP2C Cluster	G/G	Report Genotype Only	NA
100	100067800	CYP2C19	*1/*17	Rapid Metabolizer	NA
107	100067800	CYP2C9	*1/*1	Normal Metabolizer	2
113	100067800	CYP2D6	*1/*2	Normal Metabolizer	2
126	100067800	CYP3A5	*1/*3	Intermediate Metabolizer	NA
129	100067800	CYP4F2	*1/*3	Report Genotype Only	NA
130	100067800	SLCO1B1	*1/*1	Normal Function	NA
131	100067800	VKORC1	A/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
99	100067800	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
100	100067800	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
101	100067800	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
102	100067800	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*17	Rapid Metabolizer	NA
103	100067800	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*17	Rapid Metabolizer	NA
104	100067800	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*1/*17	Rapid Metabolizer	NA
105	100067800	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*1/*17	Rapid Metabolizer	NA
106	100067800	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/T	HET	*1/*17	Rapid Metabolizer	NA
107	100067800	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
108	100067800	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
109	100067800	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
110	100067800	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
111	100067800	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
112	100067800	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
113	100067800	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
114	100067800	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*2	Normal Metabolizer	2
115	100067800	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/G	HET	*1/*2	Normal Metabolizer	2
116	100067800	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	A/G	HET	*1/*2	Normal Metabolizer	2
117	100067800	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
118	100067800	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*2	Normal Metabolizer	2
119	100067800	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*2	Normal Metabolizer	2
120	100067800	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*2	Normal Metabolizer	2
121	100067800	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*2	Normal Metabolizer	2
122	100067800	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
123	100067800	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
124	100067800	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*2	Normal Metabolizer	2
125	100067800	Hs00010001_cn	CYP2D6_ex9 (Copy Number)	CYP2D6	2.0	2.0	*1/*2	Normal Metabolizer	2
126	100067800	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	T/C	HET	*1/*3	Intermediate Metabolizer	NA
127	100067800	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*1/*3	Intermediate Metabolizer	NA
128	100067800	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*1/*3	Intermediate Metabolizer	NA
129	100067800	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/T	HET	*1/*3	Report Genotype Only	NA
130	100067800	C__30633906_10	SLCO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	T/T	WT	*1/*1	Normal Function	NA
131	100067800	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	T/T	A/A	A/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

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	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
297	100068669	CYP2C Cluster	G/G	Report Genotype Only	NA
298	100068669	CYP2C19	*17/*17	Ultrarapid Metabolizer	NA
305	100068669	CYP2C9	*1/*1	Normal Metabolizer	2
311	100068669	CYP2D6	*1/*2	Normal Metabolizer	2
324	100068669	CYP3A5	*3/*3	Poor Metabolizer	NA
327	100068669	CYP4F2	*1/*3	Report Genotype Only	NA
328	100068669	SLCO1B1	*1/*1	Normal Function	NA
329	100068669	VKORC1	G/G	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
297	100068669	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
298	100068669	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*17/*17	Ultrarapid Metabolizer	NA
299	100068669	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*17/*17	Ultrarapid Metabolizer	NA
300	100068669	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*17/*17	Ultrarapid Metabolizer	NA
301	100068669	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*17/*17	Ultrarapid Metabolizer	NA
302	100068669	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*17/*17	Ultrarapid Metabolizer	NA
303	100068669	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*17/*17	Ultrarapid Metabolizer	NA
304	100068669	C___469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	T/T	MUT	*17/*17	Ultrarapid Metabolizer	NA
305	100068669	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
306	100068669	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
307	100068669	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
308	100068669	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
309	100068669	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
310	100068669	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
311	100068669	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
312	100068669	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*2	Normal Metabolizer	2
313	100068669	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/G	HET	*1/*2	Normal Metabolizer	2
314	100068669	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	A/G	HET	*1/*2	Normal Metabolizer	2
315	100068669	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
316	100068669	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*2	Normal Metabolizer	2
317	100068669	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*2	Normal Metabolizer	2
318	100068669	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*2	Normal Metabolizer	2
319	100068669	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*2	Normal Metabolizer	2
320	100068669	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
321	100068669	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*2	Normal Metabolizer	2
322	100068669	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*2	Normal Metabolizer	2
323	100068669	Hs00010001_cn	CYP2D6_ex9 (Copy Number)	CYP2D6	2.0	2.0	*1/*2	Normal Metabolizer	2
324	100068669	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
325	100068669	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
326	100068669	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
327	100068669	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/T	HET	*1/*3	Report Genotype Only	NA
328	100068669	C__30633906_10	SLCO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	T/T	WT	*1/*1	Normal Function	NA
329	100068669	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	C/C	G/G	G/G	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

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	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
264	100068746	CYP2C Cluster	A/G	Report Genotype Only	NA
265	100068746	CYP2C19	*2/*17	Intermediate Metabolizer	NA
272	100068746	CYP2C9	*1/*1	Normal Metabolizer	2
278	100068746	CYP2D6	*1/*4	Intermediate Metabolizer	1
291	100068746	CYP3A5	*3/*3	Poor Metabolizer	NA
294	100068746	CYP4F2	*1/*3	Report Genotype Only	NA
295	100068746	SLCO1B1	*1/*1	Normal Function	NA
296	100068746	VKORC1	G/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
264	100068746	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	A/G	HET	A/G	Report Genotype Only	NA
265	100068746	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	A/G	HET	*2/*17	Intermediate Metabolizer	NA
266	100068746	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
267	100068746	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
268	100068746	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*2/*17	Intermediate Metabolizer	NA
269	100068746	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*2/*17	Intermediate Metabolizer	NA
270	100068746	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*2/*17	Intermediate Metabolizer	NA
271	100068746	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/T	HET	*2/*17	Intermediate Metabolizer	NA
272	100068746	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
273	100068746	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
274	100068746	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
275	100068746	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
276	100068746	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
277	100068746	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
278	100068746	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*4	Intermediate Metabolizer	1
279	100068746	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	A/G	HET	*1/*4	Intermediate Metabolizer	1
280	100068746	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/G	HET	*1/*4	Intermediate Metabolizer	1
281	100068746	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*4	Intermediate Metabolizer	1
282	100068746	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/T	HET	*1/*4	Intermediate Metabolizer	1
283	100068746	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*4	Intermediate Metabolizer	1
284	100068746	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*4	Intermediate Metabolizer	1
285	100068746	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*4	Intermediate Metabolizer	1
286	100068746	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*4	Intermediate Metabolizer	1
287	100068746	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*4	Intermediate Metabolizer	1
288	100068746	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*4	Intermediate Metabolizer	1
289	100068746	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*4	Intermediate Metabolizer	1
290	100068746	Hs00010001_cn	CYP2D6_ex9 (Copy Number)	CYP2D6	2.0	2.0	*1/*4	Intermediate Metabolizer	1
291	100068746	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
292	100068746	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
293	100068746	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
294	100068746	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/T	HET	*1/*3	Report Genotype Only	NA
295	100068746	C__30633906_10	SLCO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	T/T	WT	*1/*1	Normal Function	NA
296	100068746	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	C/T	G/A	G/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

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

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
231	100068880	CYP2C Cluster	G/G	Report Genotype Only	NA
232	100068880	CYP2C19	*1/*1	Normal Metabolizer	NA
239	100068880	CYP2C9	*1/*1	Normal Metabolizer	2
245	100068880	CYP2D6	*1/*1	Normal Metabolizer	2
258	100068880	CYP3A5	*3/*3	Poor Metabolizer	NA
261	100068880	CYP4F2	*1/*1	Report Genotype Only	NA
262	100068880	SLCO1B1	*1/*1	Normal Function	NA
263	100068880	VKORC1	G/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
231	100068880	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
232	100068880	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
233	100068880	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
234	100068880	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
235	100068880	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
236	100068880	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*1/*1	Normal Metabolizer	NA
237	100068880	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*1/*1	Normal Metabolizer	NA
238	100068880	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
239	100068880	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
240	100068880	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
241	100068880	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
242	100068880	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
243	100068880	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
244	100068880	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
245	100068880	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
246	100068880	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
247	100068880	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
248	100068880	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
249	100068880	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
250	100068880	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
251	100068880	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*1	Normal Metabolizer	2
252	100068880	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
253	100068880	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*1	Normal Metabolizer	2
254	100068880	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
255	100068880	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
256	100068880	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
257	100068880	Hs00010001_cn	CYP2D6_ex9 (Copy Number)	CYP2D6	2.0	2.0	*1/*1	Normal Metabolizer	2
258	100068880	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
259	100068880	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
260	100068880	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
261	100068880	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/C	WT	*1/*1	Report Genotype Only	NA
262	100068880	C__30633906_10	SLCO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	T/T	WT	*1/*1	Normal Function	NA
263	100068880	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	C/T	G/A	G/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

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

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
198	100068882	CYP2C Cluster	A/G	Report Genotype Only	NA
199	100068882	CYP2C19	*2/*17	Intermediate Metabolizer	NA
206	100068882	CYP2C9	*1/*1	Normal Metabolizer	2
212	100068882	CYP2D6	*2/*41	Normal Metabolizer	1.5
225	100068882	CYP3A5	*3/*3	Poor Metabolizer	NA
228	100068882	CYP4F2	*1/*1	Report Genotype Only	NA
229	100068882	SLCO1B1	*1/*5	Decreased Function	NA
230	100068882	VKORC1	A/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
198	100068882	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	A/G	HET	A/G	Report Genotype Only	NA
199	100068882	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	A/G	HET	*2/*17	Intermediate Metabolizer	NA
200	100068882	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
201	100068882	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
202	100068882	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*2/*17	Intermediate Metabolizer	NA
203	100068882	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*2/*17	Intermediate Metabolizer	NA
204	100068882	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*2/*17	Intermediate Metabolizer	NA
205	100068882	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/T	HET	*2/*17	Intermediate Metabolizer	NA
206	100068882	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
207	100068882	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
208	100068882	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
209	100068882	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
210	100068882	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
211	100068882	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
212	100068882	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*2/*41	Normal Metabolizer	1.5
213	100068882	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*2/*41	Normal Metabolizer	1.5
214	100068882	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	G/G	MUT	*2/*41	Normal Metabolizer	1.5
215	100068882	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	A/A	MUT	*2/*41	Normal Metabolizer	1.5
216	100068882	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*2/*41	Normal Metabolizer	1.5
217	100068882	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*2/*41	Normal Metabolizer	1.5
218	100068882	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*2/*41	Normal Metabolizer	1.5
219	100068882	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*2/*41	Normal Metabolizer	1.5
220	100068882	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*2/*41	Normal Metabolizer	1.5
221	100068882	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*2/*41	Normal Metabolizer	1.5
222	100068882	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/T	HET	*2/*41	Normal Metabolizer	1.5
223	100068882	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*2/*41	Normal Metabolizer	1.5
224	100068882	Hs00010001_cn	CYP2D6_ex9 (Copy Number)	CYP2D6	2.0	2.0	*2/*41	Normal Metabolizer	1.5
225	100068882	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
226	100068882	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
227	100068882	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
228	100068882	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/C	WT	*1/*1	Report Genotype Only	NA
229	100068882	C__30633906_10	SLCO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	C/T	HET	*1/*5	Decreased Function	NA
230	100068882	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	T/T	A/A	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', '.DS_Store', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
165	100079914	CYP2C Cluster	A/G	Report Genotype Only	NA
166	100079914	CYP2C19	*2/*17	Intermediate Metabolizer	NA
173	100079914	CYP2C9	*1/*1	Normal Metabolizer	2
179	100079914	CYP2D6	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
192	100079914	CYP3A5	*1/*1	Normal Metabolizer	NA
195	100079914	CYP4F2	*1/*3	Report Genotype Only	NA
196	100079914	SLCO1B1	*1/*5	Decreased Function	NA
197	100079914	VKORC1	A/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
165	100079914	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	A/G	HET	A/G	Report Genotype Only	NA
166	100079914	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	A/G	HET	*2/*17	Intermediate Metabolizer	NA
167	100079914	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
168	100079914	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*2/*17	Intermediate Metabolizer	NA
169	100079914	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*2/*17	Intermediate Metabolizer	NA
170	100079914	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*2/*17	Intermediate Metabolizer	NA
171	100079914	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*2/*17	Intermediate Metabolizer	NA
172	100079914	C___469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/T	HET	*2/*17	Intermediate Metabolizer	NA
173	100079914	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
174	100079914	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
175	100079914	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
176	100079914	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
177	100079914	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
178	100079914	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
179	100079914	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
180	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^
181	100079914	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/G	HET	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
182	100079914	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
183	100079914	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/T	HET	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
184	100079914	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
185	100079914	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
186	100079914	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
187	100079914	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
188	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^
190	100079914	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
191	100079914	Hs00010001_cn	CYP2D6_ex9 (Copy Number)	CYP2D6	3.0	3.0	*1/*4 DUP	Intermediate - Ultrarapid Metabolizer	1^
192	100079914	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	T/T	WT	*1/*1	Normal Metabolizer	NA
193	100079914	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*1/*1	Normal Metabolizer	NA
194	100079914	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*1/*1	Normal Metabolizer	NA
195	100079914	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/T	HET	*1/*3	Report Genotype Only	NA
196	100079914	C__30633906_10	SLCO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	C/T	HET	*1/*5	Decreased Function	NA
197	100079914	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	T/T	A/A	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', '.DS_Store', 'CN GPGX-QS-23-30b Results.csv']

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
132	111111017	CYP2C Cluster	G/G	Report Genotype Only	NA
133	111111017	CYP2C19	*1/*1	Normal Metabolizer	NA
140	111111017	CYP2C9	*1/*1	Normal Metabolizer	2
146	111111017	CYP2D6	*2/*2	Normal Metabolizer	2
159	111111017	CYP3A5	*3/*3	Poor Metabolizer	NA
162	111111017	CYP4F2	*1/*3	Report Genotype Only	NA
163	111111017	SLCO1B1	*1/*5	Decreased Function	NA
164	111111017	VKORC1	G/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
132	111111017	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
133	111111017	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
134	111111017	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
135	111111017	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
136	111111017	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
137	111111017	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*1/*1	Normal Metabolizer	NA
138	111111017	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*1/*1	Normal Metabolizer	NA
139	111111017	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
140	111111017	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*1/*1	Normal Metabolizer	2
141	111111017	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
142	111111017	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
143	111111017	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
144	111111017	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*1/*1	Normal Metabolizer	2
145	111111017	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*1/*1	Normal Metabolizer	2
146	111111017	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*2/*2	Normal Metabolizer	2
147	111111017	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*2/*2	Normal Metabolizer	2
148	111111017	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	G/G	MUT	*2/*2	Normal Metabolizer	2
149	111111017	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	A/A	MUT	*2/*2	Normal Metabolizer	2
150	111111017	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*2/*2	Normal Metabolizer	2
151	111111017	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*2/*2	Normal Metabolizer	2
152	111111017	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*2/*2	Normal Metabolizer	2
153	111111017	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*2/*2	Normal Metabolizer	2
154	111111017	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*2/*2	Normal Metabolizer	2
155	111111017	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*2/*2	Normal Metabolizer	2
156	111111017	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*2/*2	Normal Metabolizer	2
157	111111017	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*2/*2	Normal Metabolizer	2
158	111111017	Hs00010001_cn	CYP2D6_ex9 (Copy Number)	CYP2D6	2.0	2.0	*2/*2	Normal Metabolizer	2
159	111111017	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
160	111111017	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
161	111111017	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
162	111111017	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/T	HET	*1/*3	Report Genotype Only	NA
163	111111017	C__30633906_10	SLCO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	C/T	HET	*1/*5	Decreased Function	NA
164	111111017	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	C/T	G/A	G/A	Report Genotype Only	NA

PGX TaqMan Genotype and Phenotype Result Review

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

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
33	NTC	CYP2C Cluster	nan	nan	nan
34	NTC	CYP2C19	nan	nan	nan
41	NTC	CYP2C9	nan	nan	nan
47	NTC	CYP2D6	nan	nan	nan
60	NTC	CYP3A5	nan	nan	nan
63	NTC	CYP4F2	nan	nan	nan
64	NTC	SLCO1B1	nan	nan	nan
65	NTC	VKORC1	nan	nan	nan

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
33	NTC	C__31983399_10	Not Detected	CYP2C Cluster	Not Detected	Not Detected			
34	NTC	C__25986767_70	Not Detected	CYP2C19	Not Detected	Not Detected			
35	NTC	C__27531918_10	Not Detected	CYP2C19	Not Detected	Not Detected			
36	NTC	C__27861809_10	Not Detected	CYP2C19	Not Detected	Not Detected			
37	NTC	C__30634128_10	Not Detected	CYP2C19	Not Detected	Not Detected			
38	NTC	C__30634130_30	Not Detected	CYP2C19	Not Detected	Not Detected			
39	NTC	C__30634136_10	Not Detected	CYP2C19	Not Detected	Not Detected			
40	NTC	C____469857_10	Not Detected	CYP2C19	Not Detected	Not Detected			
41	NTC	C__25625804_10	Not Detected	CYP2C9	Not Detected	Not Detected			
42	NTC	C__25625805_10	Not Detected	CYP2C9	Not Detected	Not Detected			
43	NTC	C__27104892_10	Not Detected	CYP2C9	Not Detected	Not Detected			
44	NTC	C__27859817_40	Not Detected	CYP2C9	Not Detected	Not Detected			
45	NTC	C__30634132_70	Not Detected	CYP2C9	Not Detected	Not Detected			
46	NTC	C__32287221_20	Not Detected	CYP2C9	Not Detected	Not Detected			
47	NTC	C_30634117C_K0	Not Detected	CYP2D6	Not Detected	Not Detected			
48	NTC	C__11484460_40	Not Detected	CYP2D6	Not Detected	Not Detected			
49	NTC	C__27102414_10	Not Detected	CYP2D6	Not Detected	Not Detected			
50	NTC	C__27102425_10	Not Detected	CYP2D6	Not Detected	Not Detected			
51	NTC	C__27102431_D0	Not Detected	CYP2D6	Not Detected	Not Detected			
52	NTC	C__32388575_A0	Not Detected	CYP2D6	Not Detected	Not Detected			
53	NTC	C__32407229_60	Not Detected	CYP2D6	Not Detected	Not Detected			
54	NTC	C__32407232_50	Not Detected	CYP2D6	Not Detected	Not Detected			
55	NTC	C__32407243_20	Not Detected	CYP2D6	Not Detected	Not Detected			
56	NTC	C__34816113_20	Not Detected	CYP2D6	Not Detected	Not Detected			
57	NTC	C__34816116_20	Not Detected	CYP2D6	Not Detected	Not Detected			
58	NTC	C___2222771_A0	Not Detected	CYP2D6	Not Detected	Not Detected			
59	NTC	Hs00010001_cn	CYP2D6_ex9 (Copy Number)	CYP2D6	nan	nan			
60	NTC	C__26201809_30	Not Detected	CYP3A5	Not Detected	Not Detected			
61	NTC	C__30203950_10	Not Detected	CYP3A5	Not Detected	Not Detected			
62	NTC	C__32287188_10	Not Detected	CYP3A5	Not Detected	Not Detected			
63	NTC	C__16179493_40	Not Detected	CYP4F2	Not Detected	Not Detected			
64	NTC	C__30633906_10	Not Detected	SLCO1B1	Not Detected	Not Detected			
65	NTC	C__30403261_20	Not Detected	VKORC1	Not Detected	Not Detected			

PGX TaqMan Genotype and Phenotype Result Review

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

	Sample_ID	Gene_Symbol	Genotype	Phenotype	Activity_Score
0	POS	CYP2C Cluster	G/G	Report Genotype Only	NA
1	POS	CYP2C19	*1/*1	Normal Metabolizer	NA
8	POS	CYP2C9	*2/*2	Intermediate Metabolizer	1
14	POS	CYP2D6	*1/*1	Normal Metabolizer	2
27	POS	CYP3A5	*3/*3	Poor Metabolizer	NA
30	POS	CYP4F2	*1/*1	Report Genotype Only	NA
31	POS	SLCO1B1	*1/*5	Decreased Function	NA
32	POS	VKORC1	G/A	Report Genotype Only	NA

	Sample_ID	Assay_ID	Probe_Information	Gene Symbol	if_Call	Then_convert	Genotype	Phenotype	Activity_Score
0	POS	C__31983399_10	CYP2C rs12777823 (WT=G MUT=A)	CYP2C Cluster	G/G	WT	G/G	Report Genotype Only	NA
1	POS	C__25986767_70	CYP2C19*2_c.681G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
2	POS	C__27531918_10	CYP2C19*6_c.395G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
3	POS	C__27861809_10	CYP2C19*3_c.636G>A (WT=G MUT=A)	CYP2C19	G/G	WT	*1/*1	Normal Metabolizer	NA
4	POS	C__30634128_10	CYP2C19*10_g. C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
5	POS	C__30634130_30	CYP2C19*8_c.358T>C (WT=T MUT=C)	CYP2C19	T/T	WT	*1/*1	Normal Metabolizer	NA
6	POS	C__30634136_10	CYP2C19*4_c.1A>G (WT=A MUT=G)	CYP2C19	A/A	WT	*1/*1	Normal Metabolizer	NA
7	POS	C____469857_10	CYP2C19*17_g.-806C>T (WT=C MUT=T)	CYP2C19	C/C	WT	*1/*1	Normal Metabolizer	NA
8	POS	C__25625804_10	CYP2C9*8 (WT=G MUT=A)	CYP2C9	G/G	WT	*2/*2	Intermediate Metabolizer	1
9	POS	C__25625805_10	CYP2C9*2 (WT=C MUT=T)	CYP2C9	T/T	MUT	*2/*2	Intermediate Metabolizer	1
10	POS	C__27104892_10	CYP2C9*3 (WT=A MUT=C)	CYP2C9	A/A	WT	*2/*2	Intermediate Metabolizer	1
11	POS	C__27859817_40	CYP2C9*5 (WT=C MUT=G)	CYP2C9	C/C	WT	*2/*2	Intermediate Metabolizer	1
12	POS	C__30634132_70	CYP2C9*11 (WT=C MUT=T)	CYP2C9	C/C	WT	*2/*2	Intermediate Metabolizer	1
13	POS	C__32287221_20	CYP2C9*6 (WT=A MUT=-)	CYP2C9	A/A	WT	*2/*2	Intermediate Metabolizer	1
14	POS	C_30634117C_K0	CYP2D6*8; 1758G>T; (WT=C MUT=A)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
15	POS	C__11484460_40	CYP2D6 (*4 and *10) 100C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
16	POS	C__27102414_10	CYP2D6 4180G>C (WT=C MUT=G)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
17	POS	C__27102425_10	CYP2D6 2850C>T (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
18	POS	C__27102431_D0	CYP2D6*4; 1846G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
19	POS	C__32388575_A0	CYP2D6*7; 2935A>C; (WT=T MUT=G)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
20	POS	C__32407229_60	CYP2D6*9; 2615_2617delAAG; (WT=TCT MUT=-)	CYP2D6	TCT/TCT	WT	*1/*1	Normal Metabolizer	2
21	POS	C__32407232_50	CYP2D6*3; 2549delA; (WT=T MUT=-)	CYP2D6	T/T	WT	*1/*1	Normal Metabolizer	2
22	POS	C__32407243_20	CYP2D6*6; 1707delT; (WT=A MUT=-)	CYP2D6	A/A	WT	*1/*1	Normal Metabolizer	2
23	POS	C__34816113_20	CYP2D6*29; 3183G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
24	POS	C__34816116_20	CYP2D6*41; 2988G>A; (WT=C MUT=T)	CYP2D6	C/C	WT	*1/*1	Normal Metabolizer	2
25	POS	C___2222771_A0	CYP2D6*17; 1023C>T; (WT=G MUT=A)	CYP2D6	G/G	WT	*1/*1	Normal Metabolizer	2
26	POS	Hs00010001_cn	CYP2D6_ex9 (Copy Number)	CYP2D6	2.0	2.0	*1/*1	Normal Metabolizer	2
27	POS	C__26201809_30	CYP3A5*3 (WT=T MUT=C)	CYP3A5	C/C	MUT	*3/*3	Poor Metabolizer	NA
28	POS	C__30203950_10	CYP3A5*6 (WT=C MUT=T)	CYP3A5	C/C	WT	*3/*3	Poor Metabolizer	NA
29	POS	C__32287188_10	CYP3A5*7 (WT=- MUT=A)	CYP3A5	-/-	WT	*3/*3	Poor Metabolizer	NA
30	POS	C__16179493_40	CYP4F2 c.1297C>T; (WT=C MUT=T)	CYP4F2	C/C	WT	*1/*1	Report Genotype Only	NA
31	POS	C__30633906_10	SLCO1B1*5 c.521T>C; (WT=T MUT=C)	SLCO1B1	C/T	HET	*1/*5	Decreased Function	NA
32	POS	C__30403261_20	VKORC1-1639G>A; (WT=C MUT=T)	VKORC1	C/T	G/A	G/A	Report Genotype Only	NA