

Supplementary Table 1. Variant data from donor samples with and without CAD.

Sample	Location	Type	Reference	Allele	Frequency	Region
Sample 1	7094	SNV	T	C	93.51603	COX1
Sample 1	16027	SNV	T	C	2.926897	HCR
Sample 1	16034	SNV	G	A	4.219279	HCR
Sample 1	16035	SNV	G	A	3.201024	HCR
Sample 1	16036	SNV	G	A	4.240487	HCR
Sample 1	16519	SNV	T	C	2.842784	HCR
Sample 1	12418	Deletion	A	-	3.464428	ND5
Sample 1	189	SNV	A	G	5.755777	RCR
Sample 1	310	Deletion	T	-	9.277267	RCR
Sample 1	310	SNV	T	C	23.9159	RCR
Sample 1	549	SNV	C	T	31.31772	RCR
Sample 1	570	SNV	C	G	30.876	RCR
Sample 1	571	SNV	C	A	2.163714	RCR
Sample 1	576	SNV	A	T	6.554632	RCR
Sample 1	302^303	Insertion	-	C	13.28162	RCR
Sample 1	302^303	Insertion	-	CC	21.36648	RCR
Sample 1	310^311	Insertion	-	C	64.03464	RCR
Sample 1	546^547	Insertion	-	C	3.503504	RCR
Sample 1	570..571	MNV	CC	AA	2.745478	RCR
Sample 2	9181	SNV	A	G	10.10474	ATP6
Sample 2	16086	SNV	T	C	65.11317	HCR
Sample 2	16189	SNV	T	C	94.70118	HCR
Sample 2	549	SNV	C	T	5.803846	RCR
Sample 2	570	SNV	C	G	24.29352	RCR
Sample 2	571	SNV	C	A	2.535914	RCR
Sample 2	302^303	Insertion	-	C	55.89299	RCR
Sample 2	310^311	Insertion	-	C	57.30918	RCR
Sample 2	514..515	Deletion	CA	-	60.64382	RCR
Sample 2	570..571	MNV	CC	AA	2.387536	RCR
Sample 2	2394	Deletion	A	-	97.3292	RNR2
Sample 3	6185	SNV	T	C	94.76373	COX1
Sample 3	7830	SNV	G	A	15.24752	COX2
Sample 3	9818	SNV	C	T	97.42756	COX3
Sample 3	16034	SNV	G	A	6.722765	HCR
Sample 3	16035	SNV	G	A	4.770413	HCR
Sample 3	16036	SNV	G	A	6.440951	HCR
Sample 3	12630	SNV	G	A	8.81595	ND5
Sample 3	64	SNV	C	T	90.2627	RCR
Sample 3	185	SNV	G	A	76.54409	RCR
Sample 3	200	SNV	A	G	96.04001	RCR
Sample 3	549	SNV	C	T	20.62968	RCR
Sample 3	570	SNV	C	G	21.71414	RCR

Sample 3	571	SNV	C	A	2.48058	RCR
Sample 3	310^311	Insertion	-	C	72.11966	RCR
Sample 3	514..515	Deletion	CA	-	60.28051	RCR
Sample 4	5894^5895	Insertion	-	C	82.04434	COX1
Sample 4	16027	SNV	T	C	3.869383	HCR
Sample 4	16034	SNV	G	A	6.309087	HCR
Sample 4	16035	SNV	G	A	5.75812	HCR
Sample 4	16036	SNV	G	A	7.016072	HCR
Sample 4	16060	SNV	G	A	2.98294	HCR
Sample 4	16189	Deletion	T	-	5.101554	HCR
Sample 4	16189	SNV	T	C	94.36445	HCR
Sample 4	16265	SNV	A	C	96.64606	HCR
Sample 4	3488	SNV	T	A	7.002871	ND1
Sample 4	11087	SNV	T	C	12.27951	ND4
Sample 4	13768	SNV	T	C	97.22415	ND5
Sample 4	204	SNV	T	C	5.570796	RCR
Sample 4	302^303	Insertion	-	C	56.72741	RCR
Sample 4	310^311	Insertion	-	C	58.33333	RCR
Sample 4	514..515	Deletion	CA	-	60.01522	RCR
Sample 4	2394	Deletion	A	-	97.73817	RNR2
Sample 4	2150^2151	Insertion	-	A	78.2995	RNR-2
Sample 4	14701	SNV	C	T	9.138035	TRNA-GLU
Sample 5	16189	Deletion	T	-	22.19159	HCR
Sample 5	16189	SNV	T	C	77.01914	HCR
Sample 5	16183^16184	Insertion	-	CC	4.644514	HCR
Sample 5	16183^16184	Insertion	-	C	16.75477	HCR
Sample 5	3488	SNV	T	A	8.005553	ND1
Sample 5	3492	SNV	A	C	5.76349	ND1
Sample 5	12418	Deletion	A	-	2.911303	ND5
Sample 5	302	SNV	A	C	7.526287	RCR
Sample 5	310	Deletion	T	-	5.827669	RCR
Sample 5	310	SNV	T	C	12.66493	RCR
Sample 5	549	SNV	C	T	22.73361	RCR
Sample 5	302^303	Insertion	-	C	53.4696	RCR
Sample 5	310^311	Insertion	-	C	69.0192	RCR
Sample 5	5810..5811	Deletion	AA	-	84.02846	TRNA-CYS
Sample 6	9545	SNV	A	G	97.49395	COX3
Sample 6	16093	SNV	T	C	92.25067	HCR
Sample 6	3492	SNV	A	C	7.415762	ND1
Sample 6	12530	SNV	A	G	3.701247	ND5
Sample 6	310	Deletion	T	-	9.73606	RCR
Sample 6	310	SNV	T	C	21.2725	RCR
Sample 6	549	SNV	C	T	5.421687	RCR
Sample 6	564	SNV	G	A	32.71112	RCR
Sample 6	302^303	Insertion	-	C	47.11674	RCR

Sample 6	310^311	Insertion	-	C	61.03715	RCR
Sample 6	513^514	Insertion	-	CA	38.07704	RCR
Sample 6	1189	Deletion	T	-	2.766855	RNR1
Sample 6	1189	SNV	T	C	96.84465	RNR1
Sample 7	12418	Deletion	A	-	3.56404	ND5
Sample 7	13344	SNV	A	G	2.264997	ND5
Sample 7	310	SNV	T	C	5.60871	RCR
Sample 7	549	SNV	C	A	2.930505	RCR
Sample 7	549	SNV	C	T	34.70145	RCR
Sample 7	552	SNV	C	T	2.206372	RCR
Sample 7	570	SNV	C	G	23.351	RCR
Sample 7	310^311	Insertion	-	C	71.70896	RCR
Sample 8	3488	SNV	T	A	5.326318	ND1
Sample 8	3492	SNV	A	C	5.166475	ND1
Sample 8	302	SNV	A	C	5.225233	RCR
Sample 8	310	SNV	T	C	33.49707	RCR
Sample 8	302^303	Insertion	-	C	21.60566	RCR
Sample 8	302^303	Insertion	-	CC	34.82088	RCR
Sample 8	310^311	Insertion	-	C	65.97206	RCR
Sample 8	2487	SNV	A	C	6.069752	RNR2
Sample 9	9606^9607	Insertion	-	G	9.059868	COX3
Sample 9	16304	SNV	T	C	97.19363	HCR
Sample 9	12014^12015	Insertion	-	A	5.842828	ND4
Sample 9	189	SNV	A	G	5.279494	RCR
Sample 9	310	SNV	T	C	24.97677	RCR
Sample 9	321	SNV	T	C	83.0079	RCR
Sample 9	302^303	Insertion	-	CC	8.301168	RCR
Sample 9	302^303	Insertion	-	C	49.82166	RCR
Sample 9	310^311	Insertion	-	C	66.72295	RCR
Sample 9	608	Deletion	A	-	8.624788	TRNA-PHE
Sample 10	8860	SNV	A	G	97.48611	ATP6
Sample 10	16129	SNV	G	A	95.97312	HCR
Sample 10	3488	SNV	T	N	8.386441	ND1
Sample 10	3492	SNV	A	N	7.394123	ND1
Sample 10	310	SNV	T	C	25.73484	RCR
Sample 10	302^303	Insertion	-	CC	8.877446	RCR
Sample 10	302^303	Insertion	-	C	48.83625	RCR

Sample 10	310^311	Insertion	-	C	69.26633	RCR
Sample 10	2487	SNV	A	N	7.586991	RNR2
Sample 11	16186	SNV	C	T	92.20819	HCR
Sample 11	16189	Deletion	T	-	9.031414	HCR
Sample 11	16189	SNV	T	C	90.05236	HCR
Sample 11	549	SNV	C	T	27.41194	RCR
Sample 11	570	SNV	C	G	13.60591	RCR
Sample 11	310^311	Insertion	-	C	73.77706	RCR
Sample 11	567^568	Insertion	-	C	5.812528	RCR
Sample 12	16304	SNV	T	C	96.54519	HCR
Sample 12	3488	SNV	T	A	8.18597	ND1
Sample 12	222	SNV	C	T	44.16711	RCR
Sample 12	549	SNV	C	A	3.196734	RCR
Sample 12	549	SNV	C	T	31.09028	RCR
Sample 12	310^311	Insertion	-	C	72.99297	RCR
Sample 13	6040	SNV	A	G	11.75966	COX1
Sample 13	12418	Deletion	A	-	3.283066	ND5
Sample 13	310	Deletion	T	-	8.593843	RCR
Sample 13	310	SNV	T	C	21.28848	RCR
Sample 13	549	SNV	C	T	25.75234	RCR
Sample 13	570	SNV	C	G	6.394371	RCR
Sample 13	571	SNV	C	A	2.299676	RCR
Sample 13	302^303	Insertion	-	C	9.678241	RCR

Sample 13	302^303	Insertion	-	CC	31.09772	RCR
Sample 13	310^311	Insertion	-	C	68.99375	RCR
Sample 13	546^547	Insertion	-	C	4.038071	RCR
Sample 13	570..571	MNV	CC	AA	3.538752	RCR
Sample 14	16263	SNV	T	C	3.938646	HCR
Sample 14	3488	SNV	T	A	6.929296	ND1
Sample 14	549	SNV	C	T	8.934261	RCR
Sample 14	570	SNV	C	G	10.76723	RCR
Sample 14	302^303	Insertion	-	C	55.18468	RCR
Sample 14	310^311	Insertion	-	C	73.05834	RCR
Sample 14	570..571	MNV	CC	AA	3.555608	RCR
Sample 14	1308	SNV	T	C	7.636208	RNR1
Sample 15	9148	SNV	T	C	69.31924	ATP6
Sample 15	6221	SNV	T	C	97.2085	COX1
Sample 15	14977	SNV	A	G	27.16828	CYTB
Sample 15	3488	SNV	T	A	9.503122	ND1
Sample 15	3492	SNV	A	C	10.97499	ND1
Sample 15	12418	Deletion	A	-	3.537843	ND5
Sample 15	189	SNV	A	G	3.100052	RCR
Sample 15	310	SNV	T	C	5.133929	RCR
Sample 15	549	SNV	C	A	3.4647	RCR
Sample 15	549	SNV	C	T	25.23762	RCR
Sample 15	570	SNV	C	A	2.32092	RCR

Sample 15	570	SNV	C	G	20.54374	RCR
Sample 15	310^311	Insertion	-	C	72.61411	RCR
Sample 15	514..515	Deletion	CA	-	57.64149	RCR
Sample 15	15940	Deletion	T	-	93.81428	TRNA-THR