

**Table S1 Summary of the SNPs from *SNX* gene family associated with the CAA formation in Taiwanese Kawasaki disease**

SNP	Chromosome	Cytoband	Physical position	Nearest genes		CAA-		CAA+	
						No. (%)	No. (%)	<i>p</i> value	Odds ratio (95% CI)
rs2280737	2	p23.3	27443314	<i>SNX17</i>	GG	4 (2.2)	3 (4.0)	0.665	1.90 (0.41-8.76)
					GA	44 (24.2)	20 (26.3)		1.15 (0.62-2.13)
					AA	134 (73.6)	53 (69.7)		1
rs17006049	2	p23.3	27465746	<i>SNX17</i>	AA	0 (0.0)	0 (0.0)	0.861	ND
					AG	26 (14.0)	10 (13.2)		0.93 (0.43-2.04)
					GG	160 (86.0)	66 (86.8)		1
rs217132	6	q21	108662892	<i>SNX3</i>	AA	4 (2.1)	1 (1.3)	0.878	0.62 (0.07-5.63)
					AG	34 (18.3)	15 (19.7)		1.09 (0.55-2.14)
					GG	148 (79.6)	60 (79.0)		1
rs3800223	6	q21	108679188	<i>SNX3</i>	AA	27 (14.5)	17 (22.4)	0.300	1.74 (0.82-3.71)
					AT	87 (46.8)	33 (43.4)		1.05 (0.58-1.92)
					TT	72 (38.7)	26 (34.2)		1
rs9398166	6	q21	108686901	<i>SNX3</i>	GG	6 (3.3)	2 (2.6)	0.519	0.89 (0.17-4.57)
					GT	46 (24.7)	24 (31.6)		1.40 (0.77-2.52)
					TT	134 (72.0)	50 (65.8)		1
rs972158	7	p15.2	26301532	<i>SNX10</i>	AA	19 (10.2)	7 (9.2)	0.902	0.85 (0.33-2.19)
					AC	82 (44.1)	32 (42.1)		0.90 (0.51-1.57)
					CC	85 (45.7)	37 (48.7)		1
rs12671122	7	p15.2	26335810	<i>SNX10</i>	AA	5 (2.7)	5 (6.7)	0.136	2.98 (0.82-10.8)
					AC	59 (31.7)	29 (38.7)		1.46 (0.83-2.58)
					CC	122 (65.6)	41 (54.6)		1
rs10252532	7	p15.2	26346177	<i>SNX10</i>	CC	32 (17.2)	24 (31.6)	0.036	2.21 (1.03-4.73)
					CT	104 (55.9)	35 (46.1)		0.99 (0.51-1.94)
					TT	50 (26.9)	17 (22.4)		1
rs3801890	7	p15.2	26352679	<i>SNX10</i>	GG	34 (18.4)	24 (31.6)	0.066	1.99 (0.93-4.27)
					GA	103 (55.7)	35 (46.0)		0.96 (0.49-1.88)
					AA	48 (25.9)	17 (22.4)		1
rs1534696	7	p15.2	26363764	<i>SNX10</i>	CC	6 (3.2)	1 (1.3)	0.684	0.40 (0.05-3.40)
					CA	58 (31.2)	24 (31.6)		0.99 (0.56-1.76)
					AA	122 (65.6)	51 (67.1)		1
rs1463259	8	q21.13	82900300	<i>SNX16</i>	GG	19 (10.2)	10 (13.1)	0.208	1.78 (0.73-4.37)
					GA	89 (47.9)	43 (56.6)		1.64 (0.91-2.96)
					AA	78 (41.9)	23 (30.3)		1
rs12677458	8	q21.13	82900341	<i>SNX16</i>	TT	3 (1.6)	2 (2.7)	0.724	1.76 (0.29-10.81)
					TC	44 (23.9)	20 (27.0)		1.20 (0.65-2.22)
					CC	137 (74.5)	52 (70.3)		1
rs7164156	15	q22.31	62226620	<i>SNX22</i>	TT	7 (3.8)	3 (4.0)	0.245	1.22 (0.30-4.92)
					CC	45 (24.2)	26 (34.2)		1.65 (0.92-2.96)
					CC	134 (72.0)	47 (61.8)		1
rs8032157	15	q22.31	62267941	<i>SNX22</i>	TT	8 (4.3)	5 (6.6)	0.730	1.54 (0.48-4.94)
					TC	65 (34.9)	25 (32.9)		0.94 (0.53-1.68)
					CC	113 (60.8)	46 (60.5)		1
rs442332	16	p13.13	11979625	<i>SNX29</i>	GG	1 (0.5)	0 (0.0)	0.791	ND
					GA	20 (10.8)	9 (11.8)		1.11 (0.48-2.56)
					AA	165 (88.7)	67 (88.2)		1
rs8045739	16	p13.13	11985760	<i>SNX29</i>	GG	16 (8.6)	3 (4.0)	0.420	0.43 (0.12-1.56)
					GT	63 (34.1)	26 (34.7)		0.95 (0.54-1.69)
					TT	106 (57.3)	46 (61.3)		1
rs7189138	16	p13.13	11990846	<i>SNX29</i>	AA	1 (0.5)	0 (0.0)	0.731	ND
					AG	16 (8.7)	8 (10.5)		1.24 (0.51-3.02)
					GG	168 (90.8)	68 (89.5)		1
rs11639821	16	p13.13	12000076	<i>SNX29</i>	TT	0 (0.0)	0 (0.0)	0.387	ND
					TC	22 (11.8)	12 (15.8)		1.40 (0.65-2.99)
					CC	164 (88.2)	64 (84.2)		1
rs8045634	16	p13.13	12026752	<i>SNX29</i>	GG	6 (3.2)	3 (3.9)	0.945	1.25 (0.30-5.18)
					GT	45 (24.2)	19 (25.0)		1.06 (0.57-1.97)
					TT	135 (72.6)	54 (71.1)		1
rs2865105	16	p13.13	12035270	<i>SNX29</i>	AA	2 (1.1)	0 (0.0)	0.656	ND
					AC	18 (9.7)	7 (9.2)		0.94 (0.37-2.34)
					CC	166 (89.2)	69 (90.8)		1
rs8051298	16	p13.13	12045569	<i>SNX29</i>	AA	2 (1.1)	0 (0.0)	0.624	ND
					AC	17 (9.1)	6 (7.9)		0.84 (0.32-2.22)
					CC	167 (89.8)	70 (92.1)		1
rs7202124	16	q12.1	49271530	<i>SNX20</i>	AA	3 (1.6)	2 (2.6)	0.656	1.57 (0.26-9.63)
					AG	37 (19.9)	12 (15.8)		0.76 (0.37-1.56)
					GG	146 (78.5)	62 (81.6)		1

rs8066529	17	q21.32	43542564	SNX11	CC	0 (0.0)	0 (0.0)	0.127	ND
					CT	28 (15.2)	6 (8.1)		0.49 (0.19-1.24)
					TT	156 (84.8)	68 (91.9)		1
rs8080662	17	q21.32	43545818	SNX11	CC	4 (2.2)	6 (7.9)	0.042	3.45 (0.93-12.76)
					CT	67 (36.0)	20 (26.3)		0.69 (0.38-1.25)
					TT	115 (61.8)	50 (65.8)		1
rs9890691	17	q21.32	43547935	SNX11	GG	4 (2.2)	6 (7.9)	0.042	3.45 (0.93-12.76)
					GT	67 (36.0)	20 (26.3)		0.69 (0.38-1.25)
					TT	115 (61.8)	50 (65.8)		1
rs8071199	17	q21.32	43550334	SNX11	AA	4 (2.2)	6 (7.9)	0.042	3.45 (0.93-12.76)
					AT	67 (36.0)	20 (26.3)		0.69 (0.38-1.25)
					TT	115 (61.8)	50 (65.8)		1
rs386155	20	q13.12	43892590	SNX21	TT	27 (14.5)	8 (10.5)	0.630	0.65 (0.27-1.58)
					TC	89 (47.9)	36 (47.4)		0.88 (0.50-1.56)
					CC	70 (37.6)	32 (42.1)		1
rs3746495	20	q13.12	43913201	SNX21	CC	3 (1.6)	2 (2.6)	0.766	1.60 (0.26-9.79)
					CT	37 (19.9)	13 (17.1)		0.84 (0.42-1.69)
					TT	146 (78.5)	61 (80.3)		1

SNX24, sorting nexin 24; SNP, single nucleotide polymorphism; CAA, Coronary artery aneurysm; CI, confidence interval; ND, not determined.

*p*-values were obtained by chi-square test.

Bold, emphasizing statistical significance was considered as *p* value <0.002 (0.05/28).

**Table S2** Haplotype distributions of *SNX24* gene SNPs associated with the CAA formation in Taiwanese KD patients

Chromosome	Physical position 1	Physical position 2	SNP1	SNP2	Haplotype	Frequency_CAA+	Frequency_CAA-	Odds ratio	<i>p</i> value
5	122228806	122311523	rs154507	rs28891	CC	32.9%	47.6%	0.522	<b>0.002</b>
5	122228806	122311523	rs154507	rs28891	GT	45.4%	37.6%	1.41	0.091
5	122228806	122311523	rs154507	rs28891	CT	21.7%	14.8%	1.55	0.066
5	122232671	122311523	rs27740	rs28891	AC	32.9%	47.6%	0.522	<b>0.002</b>
5	122232671	122311523	rs27740	rs28891	TT	45.4%	37.6%	1.41	0.091
5	122232671	122311523	rs27740	rs28891	AT	21.7%	14.8%	1.55	0.066
5	122234424	122311523	rs26371	rs28891	TC	32.9%	47.0%	0.551	<b>0.004</b>
5	122234424	122311523	rs26371	rs28891	TT	7.9%	3.8%	2.16	0.058
5	122234424	122311523	rs26371	rs28891	CT	59.2%	49.2%	1.58	0.025
5	122234657	122311523	rs6595415	rs28891	CC	32.9%	47.6%	0.522	<b>0.002</b>
5	122234657	122311523	rs6595415	rs28891	TT	44.7%	36.6%	1.42	0.079
5	122234657	122311523	rs6595415	rs28891	CT	22.4%	15.9%	1.46	0.098

SNX24, sorting nexin 24; SNP, single nucleotide polymorphism; CAA, Coronary artery aneurysm; CI, confidence interval.

*p*-values were obtained by chi-square test.

Statistical significance was considered as *p* value <0.0042 (0.05/12).

**Table S3 Genotype distributions of *SNX24* gene SNPs in Taiwanese male and female KD patients**

SNP	Chromosome	Cytoband	Physical position	Nearest genes		Female		Male	
						No. (%)	No. (%)	<i>p</i> value	Odds ratio (95% CI)
rs154507	5	q23.2	122228806	<i>SNX24</i>	GG	13 (14.8)	25 (14.4)	0.985	0.99 (0.45-2.21)
					GC	44 (50.0)	89 (51.1)		1.05 (0.59-1.84)
					CC	31 (35.2)	60 (34.5)		1
rs27740	5	q23.2	122232671	<i>SNX24</i>	TT	13 (14.8)	25 (14.4)	0.985	0.99 (0.45-2.21)
					TA	44 (50.0)	89 (51.1)		1.05 (0.59-1.84)
					AA	31 (35.2)	60 (34.5)		1
rs26371	5	q23.2	122234424	<i>SNX24</i>	TT	18 (20.5)	35 (20.1)	0.629	0.80 (0.37-1.72)
					TC	49 (55.7)	88 (50.6)		0.74 (0.40-1.37)
					CC	21 (23.9)	51 (29.3)		1
rs6595415	5	q23.2	122234657	<i>SNX24</i>	TT	12 (13.6)	26 (14.9)	0.948	1.08 (0.48-2.42)
					TC	44 (50.0)	84 (48.3)		0.95 (0.55-1.67)
					CC	32 (36.4)	64 (36.8)		1
rs17149732	5	q23.2	122249811	<i>SNX24</i>	TT	12 (13.6)	25 (14.4)	0.980	1.04 (0.46-2.34)
					TG	44 (50.0)	85 (48.9)		0.97 (0.55-1.69)
					GG	32 (36.4)	64 (36.8)		1
rs17149748	5	q23.2	122295266	<i>SNX24</i>	CC	12 (13.8)	25 (14.4)	0.940	0.99 (0.44-2.24)
					CT	45 (51.7)	86 (49.4)		0.91 (0.52-1.60)
					TT	30 (34.5)	63 (36.2)		1
rs1038078	5	q23.2	122309550	<i>SNX24</i>	AA	12 (13.6)	25 (14.4)	0.941	1.01 (0.45-2.27)
					AG	45 (51.1)	85 (48.9)		0.91 (0.52-1.60)
					GG	31 (35.2)	64 (36.8)		1
rs28891	5	q23.2	122311523	<i>SNX24</i>	CC	15 (17.0)	32 (18.4)	0.830	0.99 (0.46-2.14)
					CT	47 (53.4)	86 (49.4)		0.85 (0.47-1.53)
					TT	26 (29.5)	56 (32.2)		1
rs6595423	5	q23.2	122341433	<i>SNX24</i>	CC	11 (12.5)	25 (14.4)	0.899	1.14 (0.50-2.60)
					CT	45 (51.1)	85 (48.9)		0.94 (0.54-1.65)
					TT	32 (36.4)	64 (36.8)		1

*SNX24*, sorting nexin 24; SNP, single nucleotide polymorphism; CAA, Coronary artery aneurysm; CI, confidence interval.

*p*-values were obtained by chi-square test.

Statistical significance was considered as *p* value <0.006 (0.05/9).

**Table S4 Genotype distributions of *SNX24* gene SNPs in Taiwanese male KD patients**

SNP	Chromosome	Cytoband	Physical position	Nearest genes		All male patients	CAA-	CAA+	<i>p</i> value	Odds ratio (95% CI)	
						No. (%)	No. (%)	No. (%)			
rs154507	5	q23.2	122228806	<i>SNX24</i>	GG	25 (14.4)	14 (11.7)	11 (20.4)	0.316	1.99 (0.75-5.24)	
					GC	89 (51.1)	63 (52.5)	26 (48.1)			1.04 (0.51-2.15)
					CC	60 (34.5)	43 (35.8)	17 (31.5)			1
rs27740	5	q23.2	122232671	<i>SNX24</i>	TT	25 (14.4)	14 (11.7)	11 (20.4)	0.316	1.99 (0.75-5.24)	
					TA	89 (51.1)	63 (52.5)	26 (48.1)			1.04 (0.51-2.15)
					AA	60 (34.5)	43 (35.8)	17 (31.5)			1
rs26371	5	q23.2	122234424	<i>SNX24</i>	TT	35 (20.1)	25 (20.8)	10 (18.5)	0.521	0.67 (0.27-1.70)	
					TC	88 (50.6)	63 (52.5)	25 (46.3)			0.67 (0.32-1.39)
					CC	51 (29.3)	32 (26.7)	19 (35.2)			1
rs6595415	5	q23.2	122234657	<i>SNX24</i>	TT	26 (14.9)	14 (11.7)	12 (22.2)	0.187	2.03 (0.79-5.19)	
					TC	84 (48.3)	61 (50.8)	23 (42.6)			0.89 (0.43-1.83)
					CC	64 (36.8)	45 (37.5)	19 (35.2)			1
rs17149732	5	q23.2	122249811	<i>SNX24</i>	TT	25 (14.4)	14 (11.7)	11 (20.4)	0.312	1.86 (0.72-4.83)	
					TG	85 (48.9)	61 (50.8)	24 (44.4)			0.93 (0.46-1.90)
					GG	64 (36.8)	45 (37.5)	19 (35.2)			1
rs17149748	5	q23.2	122295266	<i>SNX24</i>	CC	25 (14.4)	14 (11.7)	11 (20.4)	0.317	1.96 (0.75-5.13)	
					CT	86 (49.4)	61 (50.8)	25 (46.3)			1.02 (0.50-2.10)
					TT	63 (36.2)	45 (37.5)	18 (33.3)			1
rs1038078	5	q23.2	122309550	<i>SNX24</i>	AA	25 (14.4)	14 (11.7)	11 (20.4)	0.312	1.86 (0.72-4.83)	
					AG	85 (48.9)	61 (50.8)	24 (44.4)			0.93 (0.46-1.90)
					GG	64 (36.8)	45 (37.5)	19 (35.2)			1
rs28891	5	q23.2	122311523	<i>SNX24</i>	CC	32 (18.4)	25 (20.8)	7 (13.0)	0.059	0.37 (0.14-1.01)	
					CT	86 (49.4)	63 (52.5)	23 (42.6)			0.49 (0.24-0.99)
					TT	56 (32.2)	32 (26.7)	24 (44.4)			1
rs6595423	5	q23.2	122341433	<i>SNX24</i>	CC	25 (14.4)	14 (11.7)	11 (20.4)	0.312	1.86 (0.72-4.83)	
					CT	85 (48.9)	61 (50.8)	24 (44.4)			0.93 (0.46-1.90)
					TT	64 (36.8)	45 (37.5)	19 (35.2)			1

*SNX24*, sorting nexin 24; SNP, single nucleotide polymorphism; CAA, Coronary artery aneurysm; CI, confidence interval.

*p*-values were obtained by chi-square test.

Statistical significance was considered as *p* value <0.006 (0.05/9).

**Table S5 Genotype distributions of *SNX24* gene SNPs in Taiwanese female KD patients**

SNP	Chromosome	Cytoband	Physical position	Nearest genes		All female patients	CAA-	CAA+	<i>p</i> value	Odds ratio (95% CI)	
						No. (%)	No. (%)	No. (%)			
rs154507	5	q23.2	122228806	<i>SNX24</i>	GG	13 (14.8)	10 (15.2)	3 (13.6)	0.112	2.03 (0.38-10.69)	
					GC	44 (50.0)	29 (43.9)	15 (68.2)			3.49 (1.03-11.84)
					CC	31 (35.2)	27 (40.9)	4 (18.2)			1
rs27740	5	q23.2	122232671	<i>SNX24</i>	TT	13 (14.8)	10 (15.2)	3 (13.6)	0.112	2.03 (0.38-10.69)	
					TA	44 (50.0)	29 (43.9)	15 (68.2)			3.49 (1.03-11.84)
					AA	31 (35.2)	27 (40.9)	4 (18.2)			1
rs26371	5	q23.2	122234424	<i>SNX24</i>	TT	18 (20.5)	11 (16.7)	7 (31.8)	0.100	6.05 (1.06-34.38)	
					TC	49 (55.7)	36 (54.5)	13 (59.1)			3.43 (0.70-16.81)
					CC	21 (23.9)	19 (28.8)	2 (9.1)			1
rs6595415	5	q23.2	122234657	<i>SNX24</i>	TT	12 (13.6)	9 (13.6)	3 (13.6)	0.100	2.33 (0.44-12.45)	
					TC	44 (50.0)	29 (43.9)	15 (68.2)			3.62 (1.07-12.25)
					CC	32 (36.4)	28 (42.4)	4 (18.2)			1
rs17149732	5	q23.2	122249811	<i>SNX24</i>	TT	12 (13.6)	9 (13.6)	3 (13.6)	0.100	2.33 (0.44-12.45)	
					TG	44 (50.0)	29 (43.9)	15 (68.2)			3.62 (1.07-12.25)
					GG	32 (36.4)	28 (42.4)	4 (18.2)			1
rs17149748	5	q23.2	122295266	<i>SNX24</i>	CC	12 (13.8)	9 (13.8)	3 (13.6)	0.149	2.17 (0.40-11.6)	
					CT	45 (51.7)	30 (46.2)	15 (68.2)			3.25 (0.96-11.03)
					TT	30 (34.5)	26 (40.0)	4 (18.2)			1
rs1038078	5	q23.2	122309550	<i>SNX24</i>	AA	12 (13.6)	9 (13.6)	3 (13.6)	0.130	2.25 (0.42-12.03)	
					AG	45 (51.1)	30 (45.5)	15 (68.2)			3.38 (1.00-11.42)
					GG	31 (35.2)	27 (40.9)	4 (18.2)			1
rs28891	5	q23.2	122311523	<i>SNX24</i>	CC	15 (17.0)	14 (21.2)	1 (4.5)	0.072	0.11 (0.01-1.01)	
					CT	47 (53.4)	36 (54.5)	11 (50.0)			0.49 (0.17-1.38)
					TT	26 (29.5)	16 (24.2)	10 (45.5)			1
rs6595423	5	q23.2	122341433	<i>SNX24</i>	CC	11 (12.5)	9 (13.6)	2 (9.1)	0.060	1.56 (0.24-9.95)	
					CT	45 (51.1)	29 (43.9)	16 (72.7)			3.86 (1.15-12.98)
					TT	32 (36.4)	28 (42.4)	4 (18.2)			1

*SNX24*, sorting nexin 24; SNP, single nucleotide polymorphism; CAA, Coronary artery aneurysm; CI, confidence interval.

*p*-values were obtained by chi-square test.

Statistical significance was considered as *p* value <0.006 (0.05/9).