Online Resource 1: Microarray full disclosure

Case Number	Age at Admission (Days)	Disease Classification	STAT Mortality Category	RACHS Risk Category	Microarray Result
1	12	Ventricular Septal Defect	2	-	arr[GRCh37] 1q21.3q22(154,423,702-156,450,611)x1
2	132	Ventricular Septal Defect	1	2	arr[GRCh37] 15q15.3(43,837,620-43,983,895)x1 arr[GRCh37] 22q12.3q13.1(34,779,552-38,569,191)x1
3	265	Truncus Arteriosus	-	-	arr[hg19] 5q32(146,368,086-149,005,860)x3
4	306	Truncus Arteriosus	-	-	arr[hg19] 22q11.21(18,722,650-21,755,261)x1
5	12	Truncus Arteriosus	4	4	arr[hg19] 22q11.21(18,916,842-21,465,659)x1
6	0	Transposition of the Great Arteries	3	3	arr[hg19] 22q11.1(16,197,005-17,603,331)x3-4
7	3	Total Anomalous Pulmonary Venous Connection	-	-	arr [hg19] 22q11.1q11.21(16,778,580-18,645,839)x3
8	143	Tetralogy of Fallot	1	2	arr[hg19] 16p13.3(144,832-515,227)x1
9	6	Tetralogy of Fallot	-	-	arr[hg19] 1q22(155,716,122-155,916,544)x3
10	17	Tetralogy of Fallot	4	3	arr[GRCh37] 1q21.1q21.2(146,945,672-147,381,145)x3
11	193	Tetralogy of Fallot	1	2	arr (X)x1, (Y)x2
12	206	Tetralogy of Fallot	1	2	arr[GRCh37] 1q21.1q21.2(146,420,990-148,782,120)x3
13	0	Shone Complex	1	2	arr[hg19] 13q12.11q12.12(23,092,245-25,041,770)x3
14	253	Pulmonary Stenosis	-	-	arr[hg19] 1q41(218,264,238-218,541,962)x3
15	138	Pulmonary Stenosis	-	-	arr[hg19] 1p35.3p35.2(29,957,123-30,860,133)x1
16	2	Pulmonary Hypertension	-	-	arr[hg19] Xq22.3(107,780,190-108,289,437)x2
17	0	Pulmonary Atresia	-	-	arr[hg19] 22q11.21(18,651,748-21,637,262)x1
18	0	Pulmonary Atresia	4	3	arr[hg19] Xq26.2(131,942,553-132,603,622)x3
19	1	Pulmonary Atresia	4	3	arr[hg19] 6q12(65,343,118-65,844,540)x3
20	94	Pulmonary Atresia	4	3	arr[GRCh37] 6q25.3(158,210,792-158,822,111)x3
21	0	Pulmonary Atresia	4	3	arr[GRCh37] 11q24.2q25(124,723,867-135,006,516)x3 14q32.33(104,133,013-107,349,540)x1
22	5	Interrupted Aortic Arch	4	4	arr[hg19] 15q11.2(22,297,051-23,673,384)x1 22q11.21(18,644,901-21,575,467)x1
23	0	Interrupted Aortic Arch	4	4	arr[hg19] 4p16.3(0-3,751,279)x1
24	0	Interrupted Aortic Arch	4	4	arr [hg19] 22q11.21(18,683,887-21,575,467)x1
25	144	Hypoplastic Left Heart Syndrome	2	2	arr[hg19] 18q22.1(65,684,742-66,454,475)x3

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26	0	Hypoplastic Left Heart Syndrome	5	6	arr[hg19] 1q23.3(161,108,268-161,395,548)x3
27	0	Hypoplastic Left Heart Syndrome	5	6	arr[hg19] 7q11.23(72,688,285-74,161,142)x3
28	0	Hypoplastic Left Heart Syndrome	5	3	arr[hg19] 15q11.2(22,628,639-23,178,762)x1
29	0	Hypoplastic Left Heart Syndrome	5	3	arr[hg19] 7q11.21(66,100,820-66,138,197)x3
30	48	Hypoplastic Left Heart Syndrome	2	3	arr[hg19] 22q11.21(18,916,828- 21,465,659)x1
31	0	Ebstein anomaly	-	-	arr[hg19] 5p15.31(18,341,330-19,185,065)x3
32	3	Double Outlet Right Ventricle	4	-	arr[hg19] 8q11.22q11.23(52,412,114-52,887,045)x3
33	0	Double Outlet Right Ventricle	4	4	arr[hg19] 3p25.2(12,629,988-12,800,963)x3
34	0	Double Outlet Right Ventricle	4	3	arr[hg19] 20q13.12q13.33(44,723,970-63,025,520)x3
35	0	Double Outlet Right Ventricle	4	3	arr[hg19] 22q11.21(18,883,966-21,522,853)x1
36	0	Double Outlet Right Ventricle	-	-	arr[hg19] 16p11.2(28,497,756-28,498,146)x1
37	1	Discontinuous Pulmonary Artery	-	-	arr[GRCh37] 22q11.21(18,717,994-21,700,510)x1
38	2	Coarctation of the Aorta	4	3	arr[hg19] Xp22.2(10,822,879-11,335,835)x3
39	287	Coarctation of the Aorta	1	2	arr [hg19] 1q41q42.11(222,698,623-224,104,993)x1
40	2	Coarctation of the Aorta	2	2	arr[GRCh37] 22q11.21(18,644,901-21,699,215)x3
41	0	Cardiomyopathy	-	-	arr[hg19] 7q11.21(66,100,820-66,138,197)x3
42	2	Atrioventricular Septal Defect	2	2	arr[hg19] 2p24.3(15,252,044-15,840,491)x3
43	2	Aortic Stenosis	-	-	arr[hg19] 5q35.2q35.3(175, 454, 192-177,465,541)x3
44	1	Aortic Stenosis	-	-	arr[hg19] 7q11.23(72,474,282-74,371,013)x1
45	108	Aortic Stenosis	3	2	arr[hg19] 7q11.23(72,745,047-74,138,460)x1
46	0	Aortic arch hypoplasia	-	-	arr[hg19] 22q13.1(40,756,659-40,776,565)x1
47	1	Aortic arch hypoplasia	-	-	arr[hg19] Yp11.32q11.221(118,546-19,563,600)x1-2 Yq11.222q11.23(20,609,789-28,799,937)x0
48	334	Anomalous Pulmonary Origin of Coronary	2	-	arr Xq26.3q28(134,510,633-155,233,731)x1 12p12.2p12.1(21,007,731-21,416,413)x1 15q11.2(22,770,421-24,463,844)x1 15q11.2q21.1(22,752,398-45,938,661)x2 hmz

x0 = Zero copies (deletion); x1 = 1 copy (deletion); x3, x3-4 = 3+ copies (duplication); hmz = region of homozygosity

Additional Information, Online Supplement 1

Journal:	Pediatric Cardiology
Title:	Abnormal Microarray, Clinical Outcomes and Surgical Risk Scores in Young Children with Cardiac Disease
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