CORRIGENDUM

Investigation of modifier genes within copy number variations in Rett syndrome

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Journal of Human Genetics (2012) **57**, 342–344; doi:10.1038/jhg.2012.30

Correction to: *Journal of Human Genetics* 2011, **56**(7): 508–515; doi:10.1038/jhg.2011.50; published online 19 May 2011.

After the publication of the article, the authors noticed that there was an error in Table 1 and Table 2. The correct tables are now reported below. The authors would like to apologize for this error.

Table 1 CNVs classified as 'likely modifiers' since they correlate with phenotypic RTT severity

Polymorphic CNVs	Breakpoints (bp)	Gene content	MeCP2_B		MeCP2_C		897 C/896 Z (Ex 3/4 del)	138 C/139 Z (c.1157del32)	565 C/601 Z (c.1157del32)	185 C/119 Z (p.R306C)	421 C/109 Z (c.1159del44)	402 C/368 Z (p.R133C)
			promoter	hits rank	promoter	hits rank						
1p36.13(426kb)	16 698 906–17 124 554	ESPNP MSTP9 CROCC	13822 — 658	22690 — 16300			Dup Z					Del C
1q31.3(55 kb)	195 011 344–195 065 867	CFHR1 CFHR3	23144 20253	7651 6994					Dup C			Amp C/ Del Z
1q42.12(139 kb)	223 731 557–223 870 819	ENAH	18604	13553			Dup Z					
2p25.2(400 kb)	3 060 975–3 460 506	TSSC1 TTC15	941 20740	3174 21641			Del Z					
2q37.3(141 kb)	242 514 593–242 655 973	/	—	—								Del Z
3q13.12(281 kb)	1 101 116 098–110 397 433	GUCA1C MORC1	19293 18317	6167 20394					Dup Z			
5p15.33(985 kb)	763 944–848 744	C3orf66 ZDHHC11	12136 4349	8147 13284			Dup Z					Dup Z
6q27(210 kb)	168 114 265–168 324 002	MLLT4 C6orf54	— 2389	— 6671								
7p21.3(89 kb)	11 720 901–11 809 763	KIF25 FRMD1	8778 15800	3159 10530								Del Z
8q21.3(87 kb)	87 136 222–87 222 795	THSD7A PSKH2	8520 19413	8160 9491								Dup C
10q11.22(172 kb)	46 396 163–46 568 496	ATP6VOD2 GPRIN2	22858 17343	4087 23312			Dup Z					Dup Z
14q32.33(125 kb)	105 708 209–105 833 372	PPYR1 SLK	16722 14769	9812 10236								Del Z
15q14(49 kb)	32 523 241–32 572 315	COL17A1 /	4292 —	2579 —							Del Z	
16p11.2(220 kb)	28 732 295–28 952 218	ATXN2L TUFM	— 7097	— 3848			Dup C					
		SH2B1	12675	12680								
		ATP2A1	15182	23566								
		RABEP2	10298	16794								
		CD19	18469	15604								
		NFAC2IP	23326	1627								
		SPNS1	1393	20317								Dup Z
16p11(200 kb)	34 399 543–34 539 890	LAT /	15145 —	14271 —								
22q13.2(49 kb)	41 237 731–41 287 060	SERHL SERHL2	— —	— —							Dup Z	

Abbreviations: Amp, amplification; CNVs, copy number variants; C, classic; Del, deletion; Dup, duplication; Z, Z-RTT.
Bold numbers are in the top 10% of MeCP2 promoter hits rank.

Table 2 CNVs classified as 'unlikely modifiers' as they were apparently not associated with phenotypic severity

Polymorphic CNVs	Breakpoints(bp)	Gene content	MeCP2-B promoter hits rank	MeCP2-C promoter hits rank	897 C/896 Z (Ex 3/4 del)	138 C/139 Z (c.1157del32)	565 C/601 Z (c.1157del32)	185 C/119 Z (p.R306C)	421 C/109 Z (c.1159del44)	402 C/368 Z (p.R133C)
1q44(58 kb)	246 794 522-46 852 126	OR2T34 OR2T10	22567 22348	14244 8566	Dup Z	Del Z	Del C	Del C	Del Z	
2p11(494 kb)	89 401 838-89 895 566	IGKV1-16D ^a	—	—		Del Z				Del C/Del Z
3q26(104 kb)	163 997 228-164 101 776	/	—	—		Del C	Del Z			Dup C
3q29(36 kb)	196 905 767-196 942 158	MUC20	17727	12873		Dup C	Dup C	Dup C/Dup Z	Dup C	Del C
4q13.2(108 kb)	69 057 735-69 165 814	UGT2B17	21719	18336		Dup C			Del Z	Del C
6p21.32(65 kb)	29 939 288-30 004 636	HCG4P6			Del C					Del Z
6p21.33(77 kb)	32 595 402-32 672 983	HLA-DRB5 HLA-DRB1	11824	21879		Dup Z		Amp C		Amp C/Amp Z
8p11.23(143 kb)	39 356 595-39 499 752	ADAM5P	14070	2916	Dup C	Dup C	*Amp Z	Amp C/ Amp Z		Amp C/Amp Z
10q11.22(144 kb)	47 017 598-47 161 232	/	—	—		Dup C	Dup Z			Dup Z
14q1(860 kb)	18 624 383-19 484 013	OR11H13P OR4Q3 OR4M1 OR4N2 OR4K2 OR4K5 OR4K1	23539 24054 23383 21957 21814 23684	330 4686 7030 3567 7944 162		Del C			Dup C	
15q11.2(727 kb)	18 810 004-19 537 035	/	—	—	Del C		Del C	Del Z		Del C
17q21.3(163 kb)	41 544 224-41 706 870	KIAA1267	—	—			Amp C/Amp Z	Dup Z		Dup Z
22q11.23(30 kb)	22 681 995-22 712 211	GSTT1	9984	14237			Dup Z	Dup C		Dup Z

Abbreviations: Amp, amplification; C, classic; Del, deletion; Dup, duplication; Z, Z-RTT.

^a16 isoforms.