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CORRIGENDUM

Premature primary tooth eruption in cognitive/motor-delayed ADNP-mutated children

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Correction to: *Translational Psychiatry* (2017) **7**, e1043; doi:10.1038/tp.2017.27; published online 21 February 2017

Several entries in Table 1 use protein change annotations that do not comply with Human Genome Variation Society nomenclature. The nomenclature corrections (obtained from https://mutalyzer.nl/) are listed below. Most of the changes are a result of one amino acid to the truncated protein complying with the consensus nomenclature. The revised version of the table provided here reflects the corrections.

Panel 1

1. c.70_75del AGTGAC was changed to p.Ser24_Asp25del instead of del Ser24Asp25.
2. c.190dupA was changed to p.Thr64Asnfs*35 instead of p.Thr64Asnfs*34.
3. c.339delC was changed to p.Phe114Serfs*47 instead of p. Phe114Serfs*46.
4. c.484C>T was changed to p.Gln162* instead of p.q162*.
5. c.539_542delTTAG was changed to p.Val180Glyfs*17 instead of p.Val180Glyfs*16.

Panel 2

6. c.1046_1047delTG was changed to p.Leu349Argfs*49 instead of p.Leu349Argfs*48.
7. c.1106_1108delTACinsCTGT was changed to p.Leu369-Serfs*30 instead of p.Leu369Serfs*29.
8. c.1184_1190delAGTCTGC was changed to p.Gln395Leufs*11 instead of p.Gln395Leufs*10.
9. c.1235delT was changed to p.Leu412Profs*10 instead of p. Pro410leufs*9.

Panel 3

10. c.2130delAinsCA was changed to c.2129dupC. Also, a typographical error in protein annotation was corrected: Ser71Lysfs*24 should have been p.Ser711Lysfs*24.
11. Column 3 (c.1235delT) was deleted entirely. It was a duplicate entry instead of the information for a child who was inadvertently omitted. In the revised table, the entry for the omitted child appears in the last column (see correction 19). The order of the children has been preserved, and the error did not alter the reported number of children who exhibited early tooth eruption and hence did not affect the statistical analysis.
12. c.2153_2165delCTTACGAGCAAAT was changed to p.Thr718Argfs*6 instead of p.Thr718Glyfs*12.

Panel 5

13. c.2206dupA was changed to p.Ser736Lysfs*2 instead of pSer736Lys*.
14. c.2213C>A was changed to p.Ser738* instead of p.Ser738Ter.
15. c.2310delT was changed to p.Leu771* instead of p. Phe770*1.
16. c.2491_2494delTTAA was changed to p.Leu831Ilefs*82 instead of p.Leu831 Ilefs*81.

Panel 6

17. c.2496_2499delTAAA was changed to p.Asn832Lysfs*81 instead of p.Asn832Lysfs*80.
18. c.2499delA was changed to p.Val834Serfs*80 instead of p.Lys833Asnfs*80.
19. The information for the omitted child noted in correction 11 has been added to the last column (c.2865_2868delTGAG).
20. In column 6, the duplicate nucleotide sequence has been deleted.

Table 1. Deciduous tooth eruption is early in ADNP-mutated children

ADNP Children - Primary Dentition	YES	NO	TOTAL	YES	NO
	44	10	54	81%	19%

cDNA / Nucleotide Mutation	c.1A>G	c.70_75del AGTGAC	c.190dupA	c.190dupA	c.339delC	c.484C>T	c.539_542delTTAG	c.539_542delTTAG	c.646 C>T
Protein / pChange	p.Met?	p.Ser24_Asp25del	p.Thr64Asnfs*35	p.Thr64Asnfs*35	p.Phe114Serfs*47	p.Gln162*	p.Val180Glyfs*17	p.Val180Glyfs*17	p.Arg216*
Location	The Netherlands	The Netherlands	Canada	USA	USA	USA	The Netherlands	USA	Israel
Sex	Female	Male	Male	Female	Male	Male	Female	Female	Male
Year of birth	2012	2006	2012	2006	1995	1999	2010	2008	2012
Did TEETH come in early? (baby teeth, including molars approx.. at age 12 months)	YES	YES	YES	YES	YES	YES	YES	YES	NO
Autism Spectrum Disorder	unknown	YES	YES	NO	YES	YES	YES	unknown	unknown
Autistic traits but no diagnosis	YES	X	X	X	X	X	X	YES	YES
Cognitive Delay	YES	YES	YES	YES	YES	YES	YES	YES	unknown
Developmental Delay	YES	YES	YES	YES	YES	YES	YES	YES	YES

cDNA / Nucleotide Mutation	c.819delC	c.1033C>T	c.1046_1047delTG	c.1102C>T	c.1106_1108del TACinsCTGT	c.1184_1190delAGTCTGC	c.1211C>A	c.1235delT	c.1595G>A
Protein / pChange	p.Lys274Asnfs*31	p.Gln345*	p.Leu349Argfs*49	p.Gln368*	p.Leu369Serfs*30	p.Gln395Leufs*11	p.Ser404*	p.Leu412Profs*10	p.Arg532Gln
Location	USA	USA	USA	USA	USA	Norway	The Netherlands	USA	USA
Sex	Male	Female	Male	Male	Male	Female	Female	Male	Female
Year of birth	2012	2007	2008	2012	2008	1986	2006	2004	2013
Did TEETH come in early? (baby teeth, including molars approx.. at age 12 months)	YES	YES	YES	YES	YES	YES	YES	YES	YES
Autism Diagnosis	unknown	YES	YES	unknown	NO	unknown	YES	YES	unknown
Autistic traits but no diagnosis	YES	X	-	YES	X	?	X	X	YES
Cognitive Delay	unknown	YES	YES	YES	YES	YES	YES	YES	YES
Developmental Delay	YES	YES	YES	YES	YES	YES	YES	YES	YES

cDNA / Nucleotide Mutation	c.1717delG	c.2129dupC	c.2153_2165delCTTACG AGCAAAT	c.2156_2157insA	c.2156_2157insA	c.2157 C>G	c.2156_2157insA	c.2156_2157insA	c.2157 C>A
Protein / pChange	p.Asp573Metfs*33	p.Ser711Lysfs*24	p.Thr718Argfs*6	**p.Tyr719***	**p.Tyr719***	**p.Tyr719***	**p.Tyr719***	**p.Tyr719***	**p.Tyr719***
Location	*Canada*	Ireland	Australia	Germany	Brazil	UK	France	USA	USA
Sex	Female	Female	Male	Female	Female	Male	Female	Male	Female
Year of birth	2000	2005	2008	2009	2014	2004	1998	2004	2013
Did TEETH come in early? (baby teeth, including molars approx.. at age 12 months)	YES	NO	YES	NO	YES	YES	NO	YES	YES
Autism Diagnosis	unknown	NO	YES	YES	n/a - too young	YES	YES	YES	YES
Autistic traits but no diagnosis	YES	X	X	X	n/a - too young	X	X	X	X
Cognitive Delay	YES	YES	YES	YES	YES	YES	YES	YES	YES
Developmental Delay	YES	YES	YES	YES	YES	YES	YES	YES	YES

cDNA / Nucleotide Mutation	c.2157 C>A	c.2157 C>G	c.2157 C>G	c.2157 C>G	c.2157 C>G	c.2157 C>G	c.2188 C>T	c.2188 C>T	c.2188 C>T
Protein / pChange	**p.Tyr719***	**p.Tyr719***	**p.Tyr719***	**p.Tyr719***	**p.Tyr719***	**p.Tyr719***	**p. Arg 730***	**p. Arg 730***	**p. Arg 730***
Location	USA	UK	UK - Scotland	The Netherlands	USA	USA	The Netherlands	USA	USA
Sex	Male	Male	Female	Male	Female	Female	Male	Male	Male
Year of birth	2012	1992	1999	2008	2005	2007	2007	2003	2010
Did TEETH come in early? (baby teeth, including molars approx.. at age 12 months)	YES	NO	YES	YES	NO	NO	YES	YES	NO
Autism Diagnosis	YES	YES	unknown	NO	YES	YES	NO	YES	NO
Autistic traits but no diagnosis	X	X	YES	X	X	X	X	X	YES
Cognitive Delay	YES	YES	YES	YES	YES	YES	YES	YES	YES
Developmental Delay	YES	YES	YES	YES	YES	YES	YES	YES	YES

cDNA / Nucleotide Mutation	c.2188 C>T	c.2188 C>T	c.2206dupA	c.2213 C>A	c.2251delGinsTAAA	c.2287delT	c.2310delT	c.2491_2494delTTAA	c.2496_2499delTAAA
Protein / pChange	**p. Arg 730***	**p. Arg 730***	p.Ser736Lysfs*2	p.Ser738*	p.Val751*	p.Ser763Profs*9	p.Leu771*	p.Leu831Ilefs*82	**p.Asn832Lysfs*81**
Location	USA	Poland	USA	UK	Canada	USA	Australia	Belgium	The Netherlands
Sex	Male	Female	Male	Male	Female	Male	Female	Male	Female
Year of birth	2013	2009	2014	2005	2010	2007	2012	2008	2013
Did TEETH come in early? (baby teeth, including molars approx.. at age 12 months)	YES	YES	YES	YES	NO	YES	NO	YES	YES
Autism Diagnosis	unknown	YES	YES	YES	NO	YES	Never assessed	YES	Never assessed
Autistic traits but no diagnosis	YES	X	X	X	YES	X	?	X	?
Cognitive Delay	YES	YES	unknown	YES	YES	YES	YES	YES	YES
Developmental Delay	YES	YES	YES	YES	YES	YES	YES	YES	YES

cDNA / Nucleotide Mutation	c.2496_2499delTAAA	c.2496_2499delTAAA	c.2496_2499delTAAA	c.2496_2499delTAAA	c.2496_2499delTAAA	c.2496_2499delTAAA	c.2496_2499delTAAA	c.2499delA	c.2865_2868delTGAG
Protein / pChange	**p.Asn832Lysfs*81**	**p.Asn832Lysfs*81**	**p.Asn832Lysfs*81**	**p.Asn832Lysfs*81**	**p.Asn832Lysfs*81**	**p.Asn832Lysfs*81**	**p.Asn832Lysfs*81**	p.Val834Serfs*80	p.Ser955Argfs*36
Location	UK	Denmark	Belgium	The Netherlands	Norway	UK	USA	USA	UK
Sex	Female	Male	Male	Female	Female	Male	Female	Male	Male
Year of birth	2005	2009	2009	2009	2011	2007	2007	2014	2006
Did TEETH come in early? (baby teeth, including molars approx.. at age 12 months)	YES	YES	YES	YES	YES	YES	YES	YES	YES
Autism Diagnosis	YES	YES	YES	YES	Never assessed	Never assessed	Never assessed	n/a - too young	YES
Autistic traits but no diagnosis	X	X	X	X	?	YES	YES	n/a - too young	X
Cognitive Delay	YES	YES	YES	YES	unknown	YES	YES	YES	YES
Developmental Delay	YES	YES	YES	YES	YES	YES	YES	YES	YES

Abbreviation: ADNP, activity-dependent neuroprotective protein. List of children with early deciduous tooth eruption (yellow), in bold, same/similar ADNP mutation (at the protein level, p.Tyr719*, p.Arg730*, p.Lys831Ilefs*81/p.Asn832Lysfs*80). All children are heterozygous for the mutations that are all considered *de novo*. The list was obtained from the Parent Support Group on a Facebook page (Materials and Methods).