CORRECTION OPEN

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Correction: Genetic aetiologies for childhood speech disorder: novel pathways co-expressed during brain development

Antony Kaspi, Michael S. Hildebrand, Victoria E. Jackson, Ruth Braden, Olivia van Reyk, Tegan Howell, Simone Debono, Mariana Lauretta, Lottie Morison, Matthew J. Coleman, Richard Webster, David Coman, Himanshu Goel, Mathew Wallis, Gabriel Dabscheck, Lilian Downie, Emma K. Baker, Bronwyn Parry-Fielder, Kirrie Ballard, Eva Harrold, Shaun Ziegenfusz, Mark F. Bennett, Erandee Robertson, Longfei Wang, Amber Boys, Simon E. Fisher, David J. Amor, Ingrid E. Scheffer, Melanie Bahlo and Angela T. Morgan

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Molecular Psychiatry; https://doi.org/10.1038/s41380-022-01879-y

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Wording was altered for the discussion.

Only two probands (11%) with genetic diagnoses (*SETD1B* (ID10), *ERF* (ID18)) had CAS without co-occurring neurodevelopmental disorder diagnoses. One was aged 10;8 years, had average IQ and was attending a school for children with specific speech and language impairment. The other child was only 4;7 years and had not yet had IQ testing because no concerns had been raised by his treating physician, family or preschool teacher regarding his general learning ability; however, it is possible that other neurodevelopmental diagnoses could still be made into the future. These findings expand the spectrum of phenotypes associated with these conditions. SETD1B has been previously associated with epilepsy, intellectual disability and language delay, and ERF-related craniosynostosis syndrome often includes speech and language delay, learning difficulties or behavioural problems; however variable expressivity and incomplete penetrance have previously been observed [40].

See attached files for table and figure changes.

Table 1

17	4;6	F	CAS, Dysarthria	*TRIP12*	Y	Y	N	N	N/A	N	N	N		N
18	4;7	M	CAS	*ERF*	N	N	N	N	CHIARI 1 Malformation Metopic craniosynostosis	N	N	N		N

Table 3a

17	F	2:230641603–230701402dup	*TRIP12 (NM_001348329)*	617752	NA	NA	Exonic duplication	gnomADpLI = 1	0	De novo	PVS1, P PM2, P PP5 Cl 5 Pathog
18	M	19:42753717	*ERF (ENST00000222329)*	617180	c.547 C > T	p.R183*	Nonsense	gnomADpLI = 0.99 LoFtool = 0. 0.02;CADD = 35	0	Inherited from affected Mother	PVS1, PM2, P PP5 Cl 5 Pathog

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Fig. 3

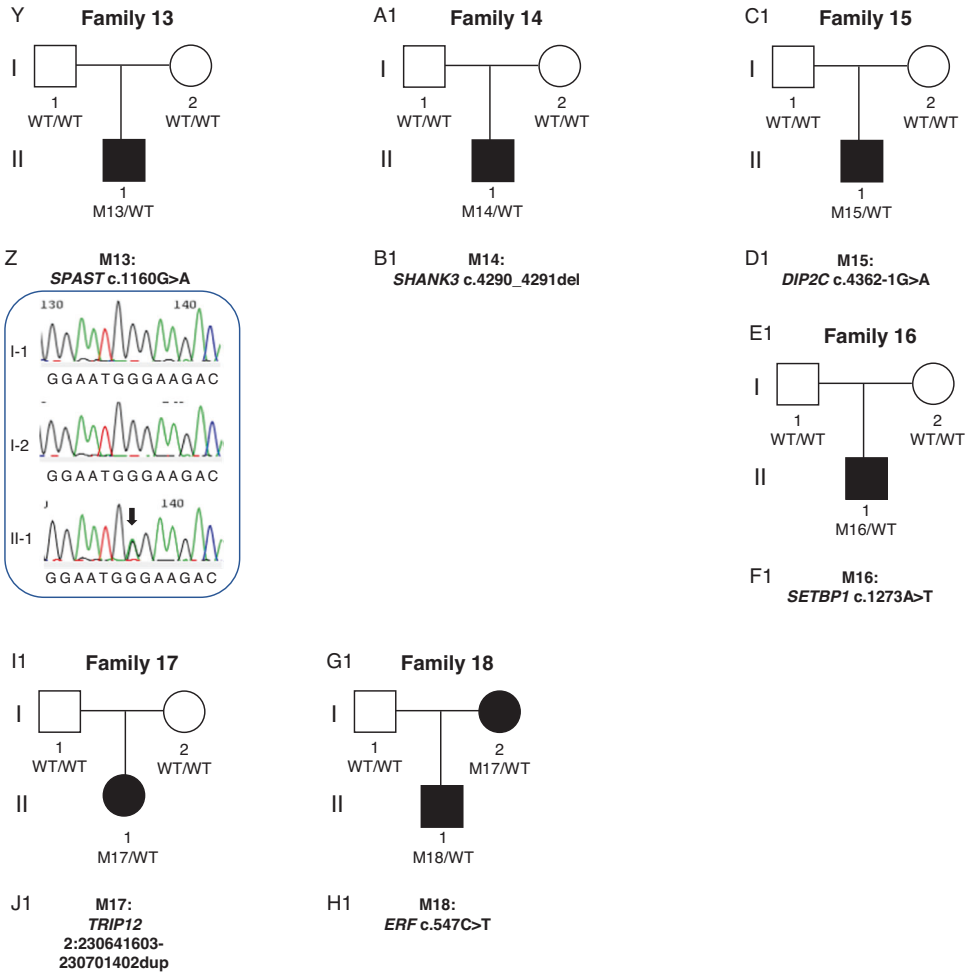
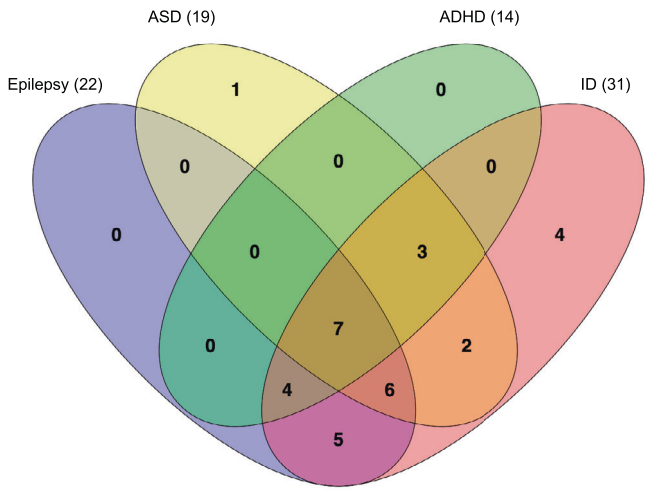


Fig. 4

A)

	Epilepsy	Intellectual disability	ASD/ASD features	ADHD	CP	SCZ
ARHGEF9	+	+	+	-	-	-
BRPF1	+	+	-	-	-	-
CDH3+	-	-	-	-	-	-
*CDK13**	+	+	+	+	-	-
*DDX3X**	+	+	+	+	-	-
DIP2C	+	+	-	+	-	+
*EBF3**	-	+	-	-	+	-
ERF	-	+	+	+	-	-
FOXP2	-	+	-	-	-	-
*GNAO1**	+	+	-	-	+	-
*GNB1**	+	+	+	+	+	-
GRIN2A	+	+	-	-	-	-
HNRNPK	+	+	-	+	-	-
KAT6A+	+	+	+	-	-	-
KDM5C	+	+	-	+	-	-
*MEIS2**	-	+	+	-	-	-
MKL2+	-	+	-	-	-	-
PHF21A	+	+	+	+	-	-
*POGZ**	-	+	+	+	-	+
PURA	+	+	-	-	-	-
RBFOX3	+	+	+	-	-	-
*SETBP1**	+	+	+	+	-	-
SETD1A	+	+	+	-	-	+
SETD1B	+	+	+	-	-	-
SHANK3	+	+	+	+	-	+
SPAST	-	-	-	-	+	-
TAOK2	-	-	+	-	-	+
TNRC6B+	-	+	+	+	-	-
TRIP12	+	+	+	-	-	-
*UPF2**	-	+	+	-	-	-
WDR5+	-	+	-	-	-	-
ZBTB18	+	+	-	+	-	-
*ZNF1**	+	+	-	-	+	-
ZFHX4+	+	+	+	+	-	-

B)



The original article has been corrected.

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