Additional file 4 Summary of studies examining FOXP2 polyglutamine tract length variation in individuals with neurodevelopmental and neuropsychiatric disorders

Individuals screened	Polyglutamine tract variations observed	Reference
48 probands from multiplex autism families, 43 probands from SLI families.	10Q->12Q in one proband with SLI; inherited but did not segregate with disorder.	Newbury et al. (2002)
75 families with sibling pairs with autism + 60 independent autistic probands. 160 controls.	40Q->34Q in mother and proband of one trio. 40Q->35Q in mother and both probands of one affected sibling pair family.	Wassink et al. (2002)
72 autism cases + 98 controls.	No variation observed.	Gauthier et al. (2003)
53 autism cases + 50 controls.	40Q->39Q in 4 cases and 2 controls.	Li et al. (2005)
49 CAS probands.	40Q->44Q in one proband; absent from affected sibling. Parental genotypes unknown.	MacDermot et al. (2005)
247 schizophrenia cases, 98 autism cases, 56 idiopathic intellectual disability cases, 314 controls.	40Q->36Q in one autism case; inherited from father. 40Q->44Q in one autism case. Parental genotypes unknown.	Laroche et al. (2008)
150 speech sound disorder cases + 120 controls.	40Q->39Q in 5 cases.	Zhao et al. (2010)
293 schizophrenia cases + 340 controls.	No variation observed.	Tolosa et al. (2010)
95 schizophrenia cases.	No variation observed.	Levchenko et al. (2014)

SLI, specific language impairment
CAS, childhood apraxia of speech.