

**Supplementary Table 3.** Genetic disorders associated with ASD

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22q11.2 deletions

Angelman syndrome

CHARGE syndrome

de Lange syndrome

Fragile X syndrome

MED 12 disorders (including Lujan-Fryns syndrome)

Prader-Willi syndrome

PTEN-associated disorders (Cowden syndrome,  
Bannayan-Riley-Ruvalcaba syndrome)

Rett syndrome

Smith-Lemli-Opitz syndrome

Smith-Magenis syndrome

Sotos syndrome

Tuberous sclerosis

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ASD, autism spectrum disorder; CHARGE, coloboma, heart defect, atresia choanae, retarded growth and development, genital hypoplasia, ear anomalies/deafness; MED 12, mediator of RNA polymerase II transcription, subunit 12 homolog; PTEN, phosphatase and tensin homolog