<table>
<thead>
<tr>
<th>Table S3 Differential Diagnosis</th>
<th>Gene / Locus</th>
<th>Inheritance</th>
<th>Speech and language development</th>
<th>Neurologic development</th>
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</thead>
<tbody>
<tr>
<td>FOXP1-related ID syndrome</td>
<td>FOXP1</td>
<td>Autosomal dominant</td>
<td>Severe delayed speech development - Expressive language disorder - OMD - Articulation problems</td>
<td>ID - NMD</td>
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<tr>
<td>Speech-language disorder 1 (SPCH1)</td>
<td>FOXP2</td>
<td>Autosomal dominant</td>
<td>DVD - OMD - Impaired processing and expression of language - Articulation defects</td>
<td>Decreased nonverbal IQ</td>
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<tr>
<td>Specific language impairment 1 (SLI1)</td>
<td>-</td>
<td>Multifactorial</td>
<td>SLI - May affect language expression, reception, and/or articulation</td>
<td>Normal intelligence - No other neurologic deficits</td>
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<tr>
<td>Specific language impairment 2 (SLI2)</td>
<td>-</td>
<td>Multifactorial</td>
<td>SLI - May affect language expression, reception, and/or articulation</td>
<td>Normal intelligence - No other neurologic deficits</td>
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<tr>
<td>Specific language impairment 3 (SLI3)</td>
<td>-</td>
<td>-</td>
<td>SLI</td>
<td>-</td>
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<td>Specific language impairment 4 (SLI4)</td>
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<td>-</td>
<td>SLI</td>
<td>-</td>
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<tr>
<td>Specific language impairment 5 (SLI5)</td>
<td>TM4SF20</td>
<td>Autosomal dominant</td>
<td>SLI - Early speech delay - Communication defects</td>
<td>GDD might be present - Others show normal cognitive function</td>
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<tr>
<td>Familial developmental dysphasia</td>
<td>-</td>
<td>Autosomal dominant</td>
<td>Developmental dysphasia - Specific and severe delay in development of spoken language</td>
<td>Normal intelligence</td>
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<td>Distal chromosome 11p13 deletion syndrome</td>
<td>-</td>
<td>Autosomal dominant</td>
<td>Speech and language delay</td>
<td>Developmental delay - ID</td>
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<tr>
<td>Phelan-Mcdermid syndrome (PHMDS)</td>
<td>SHANK3</td>
<td>Isolated cases</td>
<td>Absent or delayed speech development - Severe compromised expressive language development</td>
<td>GDD - Moderate to severe ID - Generalized hypotonia</td>
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<td>Floating-harbor syndrome (FLHS)</td>
<td>SRCAP</td>
<td>Autosomal dominant</td>
<td>Expressive language delay</td>
<td>Mild ID versus normal intelligence - Normal motor development</td>
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<td>ADNP</td>
<td>Autosomal dominant</td>
<td>Language impairment</td>
<td>Developmental delay - Delayed psychomotor development - Hypotonia - Mild to severe ID</td>
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<td>Bainbridge-ropers syndrome (BRPS)</td>
<td>ASXL3</td>
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<td>Language impairment</td>
<td>Severe psychomotor retardation</td>
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<tr>
<td>Syndrome</td>
<td>Behavioral trouble</td>
<td>Craniofacial features</td>
<td>Associated organ involvement</td>
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<td>FOXP1-related ID syndrome</td>
<td>Autistic behavior - ASD - Aggression - Obsessions Compulsions - Hyperactivity</td>
<td>Typical dysmorphic features</td>
<td>CHD - Feeding difficulties - GTA - Ophthalmological problems</td>
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<tr>
<td>Speech-language disorder 1 (SPCH1)</td>
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<td>Specific language impairment 1 (SLI1)</td>
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<td>Specific language impairment 4 (SLI4)</td>
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<td>Specific language impairment 5 (SLI5)</td>
<td>ASD</td>
<td>Normal facial appearance</td>
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<td>Familial developmental dysphasia</td>
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<td>Distal chromosome 11p13 deletion syndrome</td>
<td>Autism</td>
<td>-</td>
<td>Congenital eye malformations - Aniridia</td>
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<tr>
<td>Phelan-Mcdermid syndrome (PHMDS)</td>
<td>Autistic features - Poor social interaction - Aggressive behavior - Inappropriate chewing behavior</td>
<td>Normal to accelerated growth - Tall stature - Macrocephaly - Typical dysmorphic features versus normal facial appearance</td>
<td>Feeding difficulties</td>
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<td>Floating-harbor syndrome (FLHS)</td>
<td>-</td>
<td>Short stature - Typical dysmorphic features (age-related)</td>
<td>CHD (rare) - Umbilical hernia (rare) - Celiac disease - GTA - Renal abnormalities - Skeletal abnormalities</td>
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<td>Helsmoortel-van der aa syndrome (HVDAS)</td>
<td>ASD - Obsessive-compulsive behavior - Stereotypic behavior - Hyperactivity</td>
<td>Short stature - Obesity - Typical dysmorphic features</td>
<td>CHD - Feeding difficulties - Joint laxity</td>
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<td>Stereotypic behavior - Autistic features</td>
<td>Severe postnatal growth retardation - Dysmorphic features</td>
<td>Feeding problems - Ulnar deviation of hands</td>
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</table>