SFARI Score	Gene Symbol	Description	Log2 Fold-Change	Adjusted P-value
S	AHI1	Joubert Syndrome, role in schizophrenia	0.109	0.0359
S	BRAF	cardiofaciocutaneous syndrome with frequent autistic features like social impairment, internalizing/externalizing problems	0.100	0.0409
S	CACNA1C	Timothy Syndrome, no evidence in idiopathic autism	0.143	0.0187
S	DMD	Muscular dystrophy with reported symptoms of autism. Little evidence in idiopathic autism.	0.096	0.0112
S	MECP2	Mutations of MECP2 causes Rett syndrome, associated with ASD (DSM-IV). Autism and neuropsychiatric symptoms prevalent in MECP2 duplication.	0.097	0.0253
S	NF1	Neurofibromatosis is a Mendelian disease associated with autism.	0.112	0.0488
S	NFIX	Sotos syndome 2 (Malan syndrome) and Marshall-Smith Syndrome	0.161	0.0024
S	OCRL	Lowe Syndrome, X-linked multisystem disorder, maladaptive behaviors	0.084	0.0166
S	PACS1	Syndromic ID from de novo missense variant in PACS1 presented with ASD or showed behavior associated with ASD	0.095	0.0164
S	TCF4	Pitt-Hopkins Syndrome, ID, severe communication and language impairment, severe social interaction impairment, intronic SNP associated with schizophrenia	-0.127	0.0244
S	TSC1	Mutations ind TSC1 cause autosomal dominant tuberous sclerosis (TSC). 25% of TSC individuals have autism	0.104	0.0005
1S	ARID1B	Associated with Coffin-Siris Syndrome, ASC candidate gene for autism (FDR < 0.01).	0.080	0.0407
1S	CHD8	Variants identified in ASD probands from SSC. ASC candidate gene for autism (FDR < 0.01). DD, dysmorphic facial features	0.079	0.0358
1S	DYRK1A	Variants identified in ASD probands from SSC. ASC candidate gene for autism (FDR < 0.01). Identified with ASD, ID, microcephaly	0.060	0.0205
1S	POGZ	Variants identified in ASD probands from SSC. ASC candidate gene for autism (FDR< 0.01). DD, ID, hypotonia, facial features	0.126	0.0007
1S	SETD5	Variants identified in ASD probands from ASC. ASC candidate gene for ASD (FDR < 0.1). ID	0.111	0.0030
1S	SYNGAP1	ASC candidate gene for ASD (FDR < 0.01). ID	0.104	0.0432
2S	BCL11A	Variants identified in ASD proband from SSC and ASC. ASC candidate gene for ASD (FDR< 0.05). DD, ID	0.097	0.0446
2S	DEAF1	ID, motor delay, speech development, hyperactive behavior, compulsive behavior, aggressive behavior, mood swings, poor eye contact	0.092	0.0433
2S	KMT2A	Wiedermann-Steiner Syndrome. Variants identified in ASD probands from ASC, SSC, and DDDS. ID, hypertrichosis cubit, short stature, distinct facial	0.149	0.0312
3S	AHDC1	Xia-Gibbs Syndrome. Variants identified in ASD probands from SSC. ID, DD, expressive language delay, hypotonia, sleep apnea, dysmorphic features, brain abnormalities, failure to thrive, ataxia	0.131	0.0489
3S	KAT6A	Variants identified in ASD probands from SSC. ID, epilepsy	0.097	0.0331
3S	MBD5	Mutations associated with ID, epilepsy, and ASD	0.110	0.0058
3S	STXBP1	Variants responsible for ID, early-onset epileptic encephalopathy. Some individuals present with ASD with or without ID/epilepsy.	0.088	0.0173
4S	NR2F1	Bosch-Boonstra-Schaaf optic atrophy syndrome. Variants identified in ASD probands from SSC and ASC. DD, ID, optic atrophy, hypotonia, seizures, repetitive behavior, ASD, thinning of corpus callosum, hearing defects.	0.143	0.0015