Supplementary Table S1. Additional Participant Demographics.

	ASD (n; % of sample)		NT (n; % of sample)	
	ε4-allele Non-carriers	**ε4-allele Carriers**	**ε4-allele Non-carriers**	**ε4-allele Carriers**
	14 (18%)	21 (28%)	21 (28%)	20 (26%)
Race/Ethnicity %				
Black/African American	0 (0%)	1 (~1.5%)	0 (0%)	1 (~1.5%)
Caucasian	6 (8%)	10 (13%)	10 (13%)	10 (13%)
Hispanic/Latino	1 (~1.5%)	0 (0%)	0 (0%)	1 (~1.5%)
Did Not Report	7 (9%)	10 (13%)	11 (14%)	8 (11%)
Education %				
Some High School	0 (0%)	1 (~1%)	0 (0%)	1 (~1%)
High School Degree	2 (3%)	2 (3%)	3 (4%)	0 (0%)
Some College	3 (4%)	6 (8%)	3 (4%)	3 (4%)
College Degree	5 (~6%)	2 (3%)	7 (9%)	8 (11%)
Some Graduate School	0 (0%)	0 (0%)	0 (0%)	1 (~1%)
Graduate Degree	4 (5%)	10 (13%)	8 (11%)	7 (9%)
General Physical Health Conditions %				
Allergies/Asthma	2 (3%)	3 (4%)	2 (3%)	3 (4%)
Cardiovascular	1 (~1%)	0 (0%)	1 (~1%)	2 (3%)
Endocrine	3 (4%)	2 (3%)	1 (~1%)	1 (~1%)
Gastrointestinal	0 (0%)	2 (3%)	0 (0%)	0 (0%)
Cancer	0 (0%)	1 (~1%)	0 (0%)	0 (0%)
Multiple[a]	6 (8%)	8 (11%)	9 (12%)	4 (5%)
Did Not Report	2 (3%)	5 (~7%)	8 (11%)	8 (11%)
Mental Health Conditions %				
Depression	1 (1%)	3 (4%)	0 (0%)	2 (3%)

Anxiety	0 (0%)	2 (3%)	0 (0%)	1 (1%)
ADHD/ADD	1 (1%)	1 (1%)	0 (0%)	0 (0%)
Learning Disorder/Dyslexia	0 (0%)	0 (0%)	1 (1%)	0 (0%)
PTSD	0 (0%)	0 (0%)	1 (1%)	0 (0%)
Insomnia	0 (0%)	0 (0%)	1 (1%)	0 (0%)
Multiple[b]	8 (11%)	9 (12%)	2 (3%)	2 (3%)
Did Not Report/NA	4 (~5%)	6 (8%)	16 (21%)	15 (20%)
Family History of Alz %				
Yes	1 (1%)	6 (8%)	2 (3%)	1 (1%)
No	5 (6%)	8 (11%)	8 (11%)	8 (11%)
***Unknown/ Did Not Report**	8 (11%)	7 (9%)	11 (14%)	11 (14%)

***37 Participants did not report**

[a]Participants had 2–3 comorbid **health diseases**/disorders including **allergies/asthma, gastrointestinal, cancer, bipolar/mood stabilizing, endocrine, cardiovascular, arthritis/joint/bone, and diabetes.**

[b]Participants had 2–3 comorbid **psychiatric disorders** including **ADHD, generalized anxiety disorder, depressed mood, mild cerebral palsy, obsessive compulsive disorder, dysthymia, learning disability, and/or bipolar NOS.**

Supplementary Table S2. AVLT Group Means and SD

	ASD (mean ± SD)			NT(mean ± SD)		
	ε4-allele Non-carriers	**ε4-allele Carriers**	**ε4-allele Combined**	**ε4-allele Non-carriers**	**ε4-allele Carriers**	**ε4-allele Combined**
Short-Term Memory (AVLT[a] A1)	6.71 (±1.44)	5.67 (±2.29)	6.09 (±2.04)	6.38 (±2.22)	5.60 (±1.57)	6.00 (±1.95)
Total Words (AVLT[a] A1-A5)	50.15 (±6.95)	44.86 (±10.95)	46.97 (±9.79)	51.19 (±9.03)	49.05 (±9.12)	50.15 (±9.02)
Long-Term Memory (A7)	9.79 (±2.39)	8.67 (±3.35)	9.11 (±3.02)	10.38 (±2.99)	10.30 (±3.25)	10.34 (±3.08)
Total Words ASD Males	50.42 (±5.70)	41.87 (±10.74)	45.67 (±9.72)		n/a	

[a]**Auditory Verbal Learning Test**