

Supplementary material

Complementary Material for “Reading Competence in Mexican Undergraduate Students: No Association with *FOXP2* and *ROBO1* Variants”

Table 5. Observed genotypic frequencies for the rs2253478 and rs1995402 variants in the Mexican cases grouped by their performance in the PROLEC-SE-R battery, as well as the odds ratio (OR) tests in a co-dominant model adjusted according to the Total Score, Lexical Index, Syntactic Index, and Semantical Index.

Population / Variant <i>rs2253478</i>	Alleles		Genotype		
	A	G	AA	AG	GG
Superior Group n= 16	0.375	0.625	0.125	0.500	0.375
Average Group n= 21	0.429	0.571	0.191	0.476	0.333
OR-TOTAL	$p= 1^{ns}$	OR (95% IC)=	1.00	1.00	1.00
OR-LEX	$p= 0.59^{ns}$	OR (95% IC)=	1.16	0.00	1.00
OR-SINTAX	$p= 0.51^{ns}$	OR (95% IC)=	NA	0.51	1.00
OR-SEM	$p= 0.38^{ns}$	OR (95% IC)=	0.18	0.38	1.00
<i>rs1995402</i>	T	G	GG	GT	TT
Superior Group n= 16	0.469	0.531	0.313	0.438	0.251
Average Group n= 21	0.476	0.524	0.238	0.571	0.190
OR-TOTAL	$p= 1^{ns}$	OR (95% IC)=	1.00	1.00	1.00
OR-LEX	$p= 0.15^{ns}$	OR (95% IC)=	1.00	NC	NC
OR-SINTAX	$p= 0.09^{ns}$	OR (95% IC)=	1.00	NC	0.00
OR-SEM	$p= 0.73^{ns}$	OR (95% IC)=	1.00	1.85	0.68

NS = Non-significant.

NA= Not Computed.

TOTAL = Total Score, LEX = Lexical Index, SINTAX = Syntactical Index, SEM = Semantical Index.

Table 6. Haplotype frequencies for samples of Mexican Cases and Mexican Controls.

Combinaciones	rs2253478	rs1995402	Total	Grupo Promedio	Grupo Superior	Frecuencia acumulada
1	G	T	0.325	0.331	0.319	0.325
2	G	G	0.269	0.24	0.305	0.594
3	A	G	0.257	0.283	0.225	0.852
4	A	T	0.147	0.144	0.149	1

Table 7. Haplotype frequencies for samples of Mexican Cases and Mexican Controls.

Combinaciones	rs2253478	rs1995402	Total	Casos mexicanos	Controles mexicanos	Frecuencia acumulada
1	G	T	0.301	0.325	0.287	0.301
2	G	G	0.272	0.269	0.276	0.573
3	A	G	0.244	0.257	0.236	0.817
4	A	T	0.182	0.147	0.2	1

Table 8. Nei's genetic distance between the Mexican populations and the two German populations for the FOXP2 variant rs2253478.

	MXCase	MXCtrl	AUSCase	AUSCtrl	SpainCase	SpainCtrl
MXCase	*					
MXCtrl	0.001	*				
AUSCase	0.000	0.001	*			
AUSCtrl	0.006	0.002	0.004	*		
SpainCase	0.002	0.006	0.003	0.013	*	
SpainCtrl	0.001	0.005	0.002	0.012	0.000	*

Table 9. Nei distance between the Mexican populations and the two German populations for the ROBO1 variant rs1995402.

	MXCase	MXCtrl	GERCase	GERCtrl
MXCase	*			
MXCtrl	0.000	*		
GERCase	0.006	0.009	*	
GERCtrl	0.006	0.010	0.000	*