

Supplementary Table S1 The correlation of age, BMI, and duration of disease with the protein levels of all the markers

Spearman's correlations	Age	BMI	Duration of disease in months
MCP-1	$r = 0.079$ $p = 0.468$	$r = -0.211$ $p = 0.054$	$r = -0.122$ $p = 0.281$
VEGF	$r = 0.121$ $p = 0.263$	$r = -0.095$ $p = 0.392$	$r = -0.060$ $p = 0.596$
VEGFR2	$r = 0.185$ $p = 0.086$	$r = -0.099$ $p = 0.368$	$r = 0.029$ $p = 0.798$
ANG	$r = 0.030$ $p = 0.785$	$r = -0.135$ $p = 0.220$	$r = -0.073$ $p = 0.522$
TDP-43	$r = 0.078$ $p = 0.470$	$r = -0.062$ $p = 0.578$	$r = -0.098$ $p = 0.385$
OPTN	$r = 0.091$ $p = 0.400$	$r = -0.171$ $p = 0.119$	$r = -0.021$ $p = 0.854$

Abbreviations: ANG, angiogenin; BMI, body mass index; MCP-1, monocyte chemoattractant protein-1; OPTN, optineurin; TDP, TAR DNA binding protein; VEGF, vascular endothelial growth factor; VEGFR2, VEGF receptor 2.

Note: r = correlation coefficient.

p = p -value (level of significance <0.05).

No significant correlation was found between the protein levels and age, BMI and duration of disease.

Supplementary Table S2 Table showing the association of various demographic factors of ALS patients with the varying expression of molecular markers

Association table		VEGF		VEGFR2		ANG		TDP-43		OPTN		MCP-1	
		Mean ± SD	p-Value	Mean ± SD	p-Value	Mean ± SD	p-Value	Mean ± SD	p-Value	Mean ± SD	p-Value	Mean ± SD	p-Value
El Escorial criteria	Definite	0.0074 ± 0.0034	0.345	0.0015 ± 0.0007	0.075	0.0115 ± 0.0105	0.006	0.0051 ± 0.0004	0.062	0.0254 ± 0.0173	0.094	0.0024 ± 0.0019	0.061
	Probable	0.0081 ± 0.0027		0.0017 ± 0.0005		0.0389 ± 0.0564		0.0074 ± 0.0019		0.0281 ± 0.0069		0.0026 ± 0.0009	
	Possible	0.0105 ± 0.0097		0.0024 ± 0.0020		0.031 ± 0.0420		0.0097 ± 0.0106		0.0407 ± 0.0424		0.0034 ± 0.0032	
Gender	Male	0.0085 ± 0.0052	0.234	0.0017 ± 0.0011	0.324	0.0193 ± 0.0303	0.135	0.0064 ± 0.0055	0.286	0.0296 ± 0.0233	0.284	0.0024 ± 0.0021	0.166
	Female	0.0070 ± 0.0026		0.0015 ± 0.0006		0.0100 ± 0.0092		0.0051 ± 0.0018		0.0234 ± 0.0071		0.0018 ± 0.0011	
Smoking	Nonsmokers	0.0080 ± 0.0053	0.080	0.0017 ± 0.0011	0.714	0.0179 ± 0.0305	0.689	0.0061 ± 0.0054	0.994	0.0278 ± 0.0232	0.063	0.0021 ± 0.0018	0.075
	Smokers	0.0087 ± 0.0029		0.0016 ± 0.0006		0.0141 ± 0.0125		0.0061 ± 0.0031		0.0299 ± 0.0111		0.0029 ± 0.0023	
Alcohol consumption	Nonalcoholic	0.0083 ± 0.0056	0.646	0.0018 ± 0.0012	0.296	0.0201 ± 0.0330	0.144	0.0065 ± 0.0058	0.316	0.0300 ± 0.0251	0.811	0.0024 ± 0.0019	0.239
	Alcoholic	0.0079 ± 0.0029		0.0015 ± 0.0006		0.0113 ± 0.0105		0.0054 ± 0.0027		0.0260 ± 0.0106		0.0021 ± 0.0019	
Feeding habits	Veg.	0.0080 ± 0.0037	0.942	0.0017 ± 0.0007	0.984	0.0250 ± 0.0416	0.112	0.0061 ± 0.0023	0.986	0.0271 ± 0.0130	0.793	0.0026 ± 0.0021	0.115
	Nonveg.	0.0023 ± 0.0054		0.0017 ± 0.0012		0.0123 ± 0.0113		0.0061 ± 0.0060		0.0290 ± 0.0249		0.0021 ± 0.0018	
Onset of disease	Early	0.0079 ± 0.0046	0.404	0.0017 ± 0.0008	0.928	0.0230 ± 0.0374	0.363	0.0061 ± 0.0024	0.886	0.0296 ± 0.0212	0.945	0.0024 ± 0.0023	0.852
	Late	0.00821 ± 0.0051		0.0017 ± 0.0011		0.015 ± 0.024		0.0063 ± 0.0058		0.028 ± 0.0221		0.0023 ± 0.0018	
Duration of disease	Short duration	0.0085 ± 0.0043	0.255	0.0016 ± 0.0007	0.112	0.0265 ± 0.0440	0.147	0.0067 ± 0.0023	0.468	0.0293 ± 0.0150	0.783	0.0035 ± 0.0029	0.605
	Long duration	0.0068 ± 0.0017		0.0019 ± 0.0006		0.0309 ± 0.0360		0.0072 ± 0.0022		0.0260 ± 0.0074		0.0029 ± 0.0021	

Abbreviations: ANG, angiogenin; ALS, amyotrophic lateral sclerosis; MCP-1, monocyte chemoattractant protein-1; OPTN, optineurin; TDP, TAR DNA binding protein; SD, standard deviation; Veg, vegetarian; VEGF, vascular endothelial growth factor; VEGFR2, VEGF receptor 2.

Note: Each demographic factor is divided into categories and the mean protein levels of markers were compared for the respective categories. No significant difference was found between protein levels with respect to various categories of these factors.