Table e-3: Correlation with age and genotypes

**Age at diagnosis**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CSF** | **TNF-a** | **IL-1b** | **IL-6** | **IL-10** | **IL-17A** | **TRAIL** | **IFN-a** |
| N | 117 | 112 | 117 | 109 | 117 | 107 | 67 |
| Spearman ρ | **0.20** | 0.15 | 0.13 | 0.15 | -0.085 | -0.13 | -0.15 |

OALS

95% CI **0.021 -**

-0.044 -

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **0.39** | 0.34 | 0.32 | 0.33 | 0.091 | 0.076 | 0.10 |
| N | 24 | 23 | 24 | 21 | 24 | 22 | 16 |
| mSOD1 | Spearman ρ | 0.22 | -0.17 | **0.42** | **0.46** | 0.04 | -0.02 | 0.39 |
| ALS | 95% CI | -0.22 - | -0.62 - | **0.054 -** | **0.034 -** | -0.39 - | -0.48 - | -0.080 - |
|  |  | 0.66 | 0.27 | **0.78** | **0.88** | 0.46 | 0.44 | 0.86 |
|  | N | 19 | 18 | 19 | 19 | 19 | 18 | 12 |
| C9orf72HRE | Spearman ρ | -0.24 | 0.14 | 0.22 | 0.33 | 0.036 | **-0.58** | 0.32 |
| ALS | 95% CI | -0.72 - | -0.36 - | -0.27 - | -0.18 - | -0.55 - | **-0.86 -** | -0.24 - |
|  |  | 0.25 | 0.64 | 0.71 | 0.83 | 0.62 | **-0.29** | 0.89 |
|  | **Plasma** | **TNF-a** | **IL-1b** | **IL-6** | **IL-10** | **IL-17A** | **TRAIL** | **IFN-a** |
|  | N | 116 | 114 | 116 | 110 | 116 | 107 | 108 |

-0.048 -

-0.028 -

-0.26 -

-0.34 -

-0.39 -

OALS

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 95% CI | **0.038 -** | -0.12 - | **0.12 -** | **0.039 -** | **0.016 -** | -0.076 - | -0.14 - |
|  | **0.040** | 0.24 | **0.46** | **0.43** | **0.39** | 0.30 | 0.21 |
| N | 22 | 23 | 22 | 23 | 22 | 18 | 23 |
| mSOD1 | Spearman ρ | -0.053 | -0.048 | 0.26 | -0.31 | 0.033 | -0.077 | -0.17 |
| ALS | 95% CI | -0.50 - | -0.51 - | -0.22 - | -0.75 - | -0.39 - | -0.53 - | -0.63 - |
|  |  | 0.39 | 0.41 | 0.73 | 0.13 | 0.46 | 0.38 | 0.30 |
|  | N | 19 | 19 | 19 | 18 | 19 | 18 | 19 |
| C9orf72HRE | Spearman ρ | 0.14 | 0.11 | 0.31 | 0.35 | 0.23 | 0.055 | -0.088 |
| ALS | 95% CI | -0.32 - | -0.37 - | -0.10 - | -0.083 - | -0.18 - | -0.41 - | -0.54 - |
|  |  | 0.60 | 0.58 | 0.71 | 0.78 | 0.64 | 0.52 | 0.36 |

Spearman ρ **0.22** 0.057 **0.29 0.23 0.20** 0.11 0.034