**Supplement S1.** Detailed description of reasons for exclusion prior to data analysis.

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| **Reason(s) for exclusion** | **n** | **Details** |
| Psychiatric/ Psychological comorbidity | 8 | Intellectual disability 2x |
| Autism; intellectual disability |
| Suspected dementia |
| Suspected atypical autism |
| Differential diagnosis of alcohol hallucinosis |
| Attention deficit hyperactivity disorder 2x |
| Physical comorbidity | 11 | History of stroke 19 years ago |
| Palliative prostate carcinoma; skeletal metastases |
| History of left hemispheric ischemia; multimorbid patient |
| Suspected history of meningitis; developmental delay |
| Suspected epilepsy |
| Suspected history of inflammatory CNS disease |
| Epilepsy; post-traumatic brain lesion |
| XXYY chromosomal abnormality |
| Suspected Hashimoto's encephalopathy |
| Delayed development in infancy |
| Perinatal asphyxia |
| Abnormal MRI findings | 6 | Macroadenoma; global brain volume reduction |
| Suspected cortical dysplasia |
| Suspected history of pontine myelinolysis or stroke |
| Suspected glioma |
| History of cerebellar stroke  Suspected history of posterior inferior cerebellar artery stroke |
| Different main diagnosis | 5 | Differential diagnosis alcohol hallucinosis |
| Unspecified nonorganic psychosis; alcohol and cannabis addiction |
| Adjustment disorder, differential diagnosis prodrome |
| Suspected organic delusional disorder |
| Mental and behavioral disorder caused by cannabinoids (F12.5), differential diagnosis schizophrenia (F20) |
| Time interval between CSF & blood sampling > 21 days | 3 |  |
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|  |
| Time interval between CSF sampling & cognitive testing > 90 days | 18 |  |
| Total n of excluded patients | 45 | (6 patients with more than one exclusion criteria fulfilled) |