

Supplementary Table 1

Demographic and clinical data of patients investigated in this study

Patient ID	Age at lumbar puncture, years	Sex	clinical diagnosis	SynIa IgG titer serum ^a	SynIa IgG titer CSF ^a	SynIa IgA titer serum	SynIa IgA titer CSF
LE-Patient ^b	69	male	Limbic encephalitis	1:3,200	1:3,200	1:1,000	1:1,000
CIS-Patient ^c	24	female	Clinically isolated syndrome	1:10,000	1:1,000	not detectable	not detectable
Control patient #1	63	male	Normal pressure hydrocephalus	not detectable	not detectable	not detectable	not detectable
Control patient #2	19	female	unspecific headache	not detectable	not detectable	not detectable	not detectable

^aAntibodies to SynIa were determined in patients' serum and CSF by cell-based assays using HEK293 cells transfected with rat SynIa cDNA (Ref. Höltje et al. 2017 and Mertens et al. 2018).

^bLE-Patient is the index patient in whom SynI Ab were originally identified. The clinical and paraclinical findings of this patient were previously reported in Piepgras et al. 2015.

^cCSI-Patient is the same patient as patient CIS_0117, previously reported in Höltje et al. 2017 and Mertens et al. 2018.