Supplementary Information

Figure S1. (**A**) Silver stained reference 2D-PAGE of depleted MS-CSF pool I separated in pH range 4–9; and (**B**) reference CSF map available on the SWISS 2D-PAGE database (http://world-2dpage.expasy.org/swiss-2dpage/).

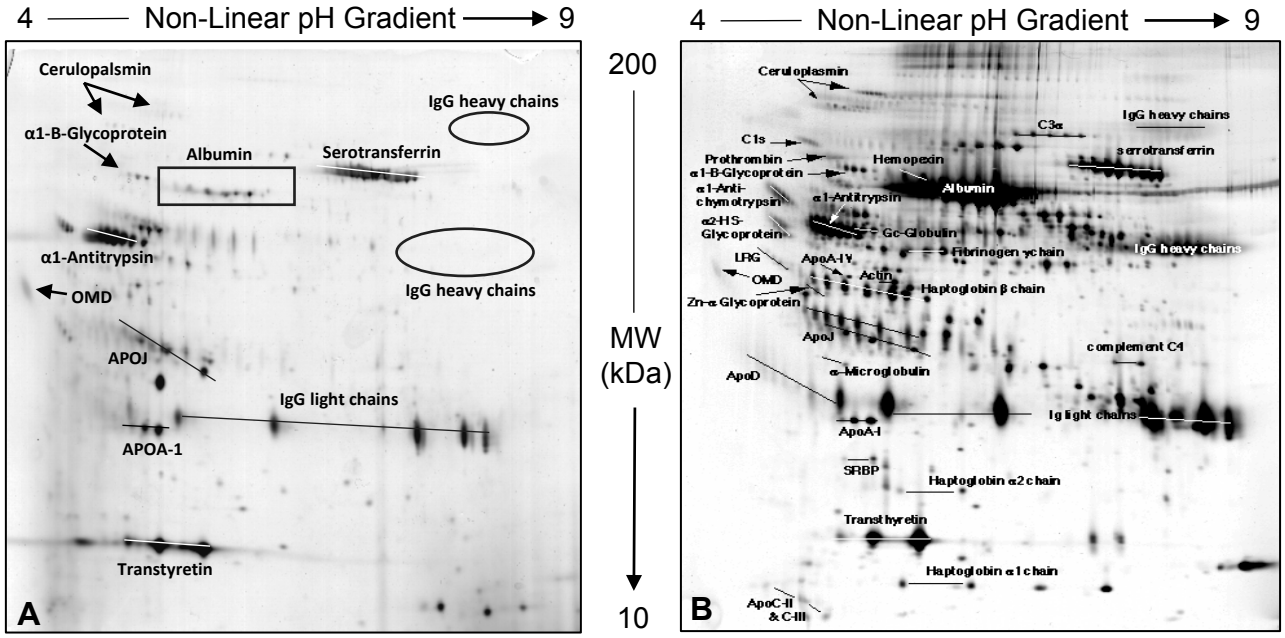

Table S1. List of Cerebrospinal fluid (CSF) and serum samples used in the study.

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [e]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
MS-1	F	26	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y [c]	Y	MS-CSF Pool I		Y	Y			Y	0.078
MS-2	F	26	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y							Y	0.040
MS-3	F	21	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y								
MS-4	F	38	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y								
MS-5	F	52	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y								
MS-6	M	30	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	Y	Y	MS-CSF Pool II		Y	Y				
MS-7	M	29	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	Y	Y								
MS-8	F	27	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	Y	Y								
MS-9	M	38	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	Y	Y								
MS-10	F	33	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	Y	Y							Y	0.348
MS-11	F	25	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y							Y	0.032
MS-12	F	23	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	Y	Y							Y	0.034
MS-13	F	39	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y							Y	0.055
MS-14	M	35	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UD	Y	Y	MS-CSF Pool III		Y	Y			Y	0.043
MS-15	M	37	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UD	Y	Y							Y	0.042
MS-16	F	37	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y							Y	0.027
MS-17	F	53	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	Y	Y							Y	0.063
MS-18	M	30	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y							Y	0.038
MS-19	M	35	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y							Y	0.062

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [c]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
MS-20	F	48	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	Y	Y							Y	0.038
MS-21	M	21	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	Y	Y							Y	0.033
MS-22	M	23	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y							Y	0.048
MS-23	F	29	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	Y	Y	MS-CSF	MS-Se	Y	N	Y [f]		Y	0.268
MS-24	F	55	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y	Pool IV	pool					Y	0.345
MS-25	F	48	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	Y	Y						Y	Y	0.227
MS-26	F	38	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UD	Y	Y							Y	0.057
MS-27	F	32	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UD	Y	Y							Y	0.061
MS-28	F	53	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	N [d]	Y							Y	0.221
MS-29	F	48	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	N	Y							Y	0.034
MS-30	M	47	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UD	N	Y							Y	0.033
MS-31	F	39	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	N	Y							Y	0.035
MS-32	F	21	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	N	Y							Y	0.061
MS-33	M	58	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	N	Y							Y	0.027
MS-34	F	39	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UD	N	Y							Y	0.030
MS-35	F	45	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	N	Y							Y	0.068
MS-36	M	24	Multiple sclerosis	Relapsing-remitting multiple sclerosis	1	N	Y							Y	0.043
MS-37	F	51	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	N	Y							Y	0.068
MS-38	M	39	Multiple sclerosis	Relapsing-remitting multiple sclerosis	A	N	Y							Y	0.025
MS-39	F	31	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	N	Y							Y	0.047
MS-40	M	46	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UD	N	Y							Y	0.049
MS-41	F	28	Multiple sclerosis	Relapsing-remitting multiple sclerosis	M	N	Y							Y	0.320
MS-42	F	30	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.124

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [e]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
MS-43	M	42	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.103
MS-44	M	66	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.085
MS-45	F	23	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.145
MS-46	M	39	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.112
MS-47	F	48	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.080
MS-48	F	44	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.025
MS-49	M	28	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.214
MS-50	F	45	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.312
MS-51	F	53	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.060
MS-52	F	45	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.037
MS-53	F	36	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.035
MS-54	F	35	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.040
MS-55	F	43	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.034
MS-56	M	42	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.040
MS-57	F	19	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.071
MS-58	F	41	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.064
MS-59	F	39	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.073
MS-60	F	43	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.023
MS-61	M	27	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.111
MS-62	F	28	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.032
MS-63	M	39	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.066
MS-64	M	42	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.033
MS-65	F	45	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.018

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [e]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
MS-66	F	38	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.023
MS-67	F	64	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.146
MS-68	F	56	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.014
MS-69	F	57	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.014
MS-70	M	67	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.086
MS-71	F	46	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.010
MS-72	F	37	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.047
MS-73	F	19	Multiple sclerosis	Relapsing-remitting multiple sclerosis	UR	N	Y							Y	0.047
MS-74	F	44	Multiple sclerosis	Primary progressive multiple sclerosis	M	N	Y							Y	0.021
MS-75	M	35	Multiple sclerosis	Primary progressive multiple sclerosis	A	N	Y							Y	0.037
MS-76	F	54	Multiple sclerosis	Primary progressive multiple sclerosis	M	N	Y							Y	0.109
MS-77	F	33	Multiple sclerosis	Primary progressive multiple sclerosis	M	N	Y							Y	0.035
MS-78	F	43	Multiple sclerosis	Primary progressive multiple sclerosis	UR	N	Y							Y	0.005
MS-79	F	52	Multiple sclerosis	Primary progressive multiple sclerosis	UR	N	Y							Y	0.063
MS-80	M	59	Multiple sclerosis	Primary progressive multiple sclerosis	UR	N	Y							Y	0.186
MS-81	F	57	Multiple sclerosis	Primary progressive multiple sclerosis	UR	N	Y							Y	0.002
MS-82	M	28	Multiple sclerosis	Primary progressive multiple sclerosis	UR	N	Y							Y	0.011
MS-83	M	40	Multiple sclerosis	Primary progressive multiple sclerosis	UR	N	Y							Y	0.067
MS-84	F	40	Multiple sclerosis	Primary progressive multiple sclerosis	UR	N	Y							Y	0.063
MS-85	M	56	Multiple sclerosis	Primary progressive multiple sclerosis	UR	N	Y							Y	0.070
MS-86	M	46	Multiple sclerosis	Primary progressive multiple sclerosis	UR	N	Y							Y	0.104

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [e]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
MS-87	F	63	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.059
MS-88	F	53	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.046
MS-89	M	50	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.052
MS-90	F	47	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.029
MS-91	F	61	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.087
MS-92	F	36	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.059
MS-93	M	57	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.131
MS-94	F	58	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.055
MS-95	F	49	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.048
MS-96	M	44	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.025
MS-97	M	50	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.070
MS-98	M	44	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.026
MS-99	F	51	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.039
MS-100	F	60	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.038
MS-101	F	62	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.076
MS-102	M	59	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.018
MS-103	F	31	Multiple sclerosis	Secondary progressive multiple sclerosis	M	N	Y							Y	0.041
MS-104	M	51	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.280
MS-105	F	43	Multiple sclerosis	Secondary progressive multiple sclerosis	M	N	Y							Y	0.084
MS-106	M	47	Multiple sclerosis	Secondary progressive multiple sclerosis	M	N	Y							Y	0.045
MS-107	M	53	Multiple sclerosis	Secondary progressive multiple sclerosis	A	N	Y							Y	0.086
MS-108	M	36	Multiple sclerosis	Secondary progressive multiple sclerosis	M	N	Y							Y	0.041
MS-109	M	34	Multiple sclerosis	Secondary progressive multiple sclerosis	UD	N	Y							Y	0.031

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [e]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
MS-110	M	56	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.187
MS-111	F	48	Multiple sclerosis	Secondary progressive multiple sclerosis	M	N	Y							Y	0.017
MS-112	F	32	Multiple sclerosis	Secondary progressive multiple sclerosis	A	N	Y							Y	0.029
MS-113	M	45	Multiple sclerosis	Secondary progressive multiple sclerosis	M	N	Y							Y	0.039
MS-114	F	39	Multiple sclerosis	Secondary progressive multiple sclerosis	M	N	Y							Y	0.136
MS-115	M	50	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.124
MS-116	F	48	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.081
MS-117	F	41	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.033
MS-118	F	46	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.112
MS-119	M	36	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.046
MS-120	F	57	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.075
MS-121	F	58	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.034
MS-122	M	41	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.041
MS-123	M	57	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.026
MS-124	M	52	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.096
MS-125	M	61	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.051
MS-126	M	45	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.033
MS-127	M	42	Multiple sclerosis	Secondary progressive multiple sclerosis	UR	N	Y							Y	0.033
MS-128	F	38	Multiple sclerosis	Progressive-relapsing multiple sclerosis	A	N	Y							Y	0.137
MS-129	M	55	Multiple sclerosis	Progressive-relapsing multiple sclerosis	M	N	Y							Y	0.036
MS-130	F	59	Multiple sclerosis	Progressive-relapsing multiple sclerosis	UR	N	Y							Y	0.184
MS-131	F	70	Multiple sclerosis	Progressive-relapsing multiple sclerosis	UR	N	Y							Y	0.025

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [e]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
MIG-1	F	36	Migraine	Migraine	N	Y					Y				
MIG-2	F	26	Migraine	Migraine	N	Y					Y				
MIG-3	F	43	Migraine	Migraine	N	Y					Y				
NEU-1	M	79	Neurologic disease	Chronic inflammatory demyelinating polyneuropathy	N	N	Y							Y	0.073
NEU-2	M	16	Neurologic disease	Encephalitis	N	N	Y							Y	0.026
NEU-3	F	19	Neurologic disease	Guillain-Barre Syndrome	N	N	Y							Y	0.028
NEU-4	F	47	Neurologic disease	Pituitary adenoma	UD	N	Y							Y	0.085
NEU-5	F	31	Neurologic disease	Myelitis	N	N	Y							Y	0.039
NEU-6	M	50	Neurologic disease	Myelitis	multiple	N	Y							Y	0.025
NEU-7	M	71	Neurologic disease	Acute disseminated encephalomyelitis		N	Y							Y	0.030
NEU-8	M	81	Neurologic disease	Chronic inflammatory demyelinating polyneuropathy		N	Y							Y	0.044
NEU-9	M	49	Neurologic disease	Chronic inflammatory demyelinating polyneuropathy		N	Y							Y	0.039
NEU-10	F	83	Neurologic disease	Dementia		N	Y							Y	0.021
NEU-11	F	62	Neurologic disease	Dementia		N	Y							Y	0.097
NEU-12	M	81	Neurologic disease	Epilepsy		N	Y							Y	0.061
NEU-13	F	19	Neurologic disease	Epilepsy		N	Y							Y	0.077
NEU-14	F	70	Neurologic disease	Epilepsy		N	Y							Y	0.050

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [c]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
NEU-15	M	44	Neurologic disease	Epilepsy		N	Y							Y	0.042
NEU-16	F	19	Neurologic disease	Epilepsy		N	Y							Y	0.039
NEU-17	M	74	Neurologic disease	Myasthenia		N	Y							Y	0.024
NEU-18	F	28	Neurologic disease	Myelitis		N	Y							Y	0.019
NEU-19	F	54	Neurologic disease	Myelitis		N	Y							Y	0.042
NEU-20	M	69	Neurologic disease	Myelitis		N	Y							Y	0.045
NEU-21	M	43	Neurologic disease	Myelitis		N	Y							Y	0.026
NEU-22	M	26	Neurologic disease	Myelitis		N	Y							Y	0.066
NEU-23	M	49	Neurologic disease	Myelitis		N	Y							Y	0.028
NEU-24	F	78	Neurologic disease	Compressive cervical myelopathy		N	Y							Y	0.058
NEU-25	M	48	Neurologic disease	Traumatic radial neuropathy		N	Y							Y	0.041
NEU-26	F	39	Neurologic disease	Oculomotor nerve palsy		N	Y							Y	0.077
NEU-27	M	46	Neurologic disease	Amyotrophic lateral sclerosis		N	Y							Y	0.075
NEU-28	M	51	Neurologic disease	Amyotrophic lateral sclerosis		N	Y							Y	0.020
NoNEU-1	F	35	No neurologic disease	Psoriatic arthritis		N	Y							Y	0.029
NoNEU-2	F	42	No neurologic disease	Psoriatic arthritis		N	Y							Y	0.094
NoNEU-3	M	38	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.022
NoNEU-4	F	51	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.026
NoNEU-5	F	46	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.056
NoNEU-6	M	32	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.010
NoNEU-7	F	34	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.027
NoNEU-8	M	53	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.188
NoNEU-9	F	57	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.128

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [e]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
NoNEU-10	M	48	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.039
NoNEU-11	M	36	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.064
NoNEU-12	F	61	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.066
NoNEU-13	F	42	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.031
NoNEU-14	M	49	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.046
NoNEU-15	F	34	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.023
NoNEU-16	F	56	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.006
NoNEU-17	M	41	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.149
NoNEU-18	M	37	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.030
NoNEU-19	F	63	No neurologic disease	Rheumatoid arthritis		N	Y							Y	0.050
NoNEU-20	F	24	No neurologic disease	Connectivitis		N	Y							Y	0.158
NoNEU-21	F	40	No neurologic disease	Diabetes		N	Y							Y	0.046
NoNEU-22	M	56	No neurologic disease	Dyslipidemia, myocardial infarction		N	Y							Y	0.043
NoNEU-23	M	42	No neurologic disease	Dyslipidemia, hypertension		N	Y							Y	0.035
NoNEU-24	M	44	No neurologic disease	Dyslipidemia, hypertension		N	Y							Y	0.039
NoNEU-25	F	52	No neurologic disease	Dyslipidemia, hyperthyroidism		N	Y							Y	0.021
NoNEU-26	F	34	No neurologic disease	Dysthyroidism		N	Y							Y	0.034
NoNEU-27	M	45	No neurologic disease	Hypertension		N	Y							Y	0.111
NoNEU-28	M	51	No neurologic disease	Hypertension		N	Y							Y	0.065
NoNEU-29	F	26	No neurologic disease	Systemic lupus erythematosus		N	Y							Y	0.484
NoNEU-30	M	36	No neurologic disease	Systemic lupus erythematosus		N	Y							Y	0.030
NoNEU-31	F	41	No neurologic disease	Progressive systemic sclerosis		N	Y							Y	0.049

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [e]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
NoNEU-32	F	29	No neurologic disease	Systemic sclerosis		N	Y							Y	0.024
NoNEU-33	F	45	No neurologic disease	Systemic sclerosis		N	Y							Y	0.090
NoNEU-34	M	49	No neurologic disease	Systemic sclerosis		N	Y							Y	0.169
NoNEU-35	M	38	No neurologic disease	Systemic sclerosis		N	Y							Y	0.032
NoNEU-36	F	53	No neurologic disease	Systemic sclerosis		N	Y							Y	0.063
NoNEU-37	F	57	No neurologic disease	Systemic sclerosis		N	Y							Y	0.110
NoNEU-38	F	49	No neurologic disease	Systemic sclerosis		N	Y							Y	0.024
NoNEU-39	M	44	No neurologic disease	Vasculitis		N	Y							Y	0.022
H-1	F	28	Healthy individual			N	Y							Y	0.049
H-2	F	19	Healthy individual			N	Y							Y	0.045
H-3	M	34	Healthy individual			N	Y						Y	Y	0.136
H-4	F	29	Healthy individual			N	Y							Y	0.075
H-5	M	46	Healthy individual			N	Y							Y	0.038
H-6	M	61	Healthy individual			N	Y							Y	0.059
H-7	F	57	Healthy individual			N	Y							Y	0.091
H-8	F	28	Healthy individual			N	Y							Y	0.177
H-9	F	35	Healthy individual			N	Y							Y	0.027
H-10	M	37	Healthy individual			N	Y							Y	0.062
H-11	M	26	Healthy individual			N	Y							Y	0.089
H-12	F	18	Healthy individual			N	Y							Y	0.016
H-13	M	31	Healthy individual			N	Y							Y	0.043
H-14	F	42	Healthy individual			N	Y							Y	0.057
H-15	M	29	Healthy individual			N	Y							Y	0.000

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [e]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
H-16	F	54	Healthy individual			N	Y							Y	0.096
H-17	F	38	Healthy individual			N	Y							Y	0.118
H-18	M	47	Healthy individual			N	Y							Y	0.053
H-19	M	23	Healthy individual			N	Y							Y	0.013
H-20	F	21	Healthy individual			N	Y							Y	0.101
H-21	M	56	Healthy individual			N	Y							Y	0.128
H-22	F	48	Healthy individual			N	Y							Y	0.000
H-23	M	20	Healthy individual			N	Y							Y	0.033
H-24	F	35	Healthy individual			N	Y							Y	0.000
H-25	M	37	Healthy individual			N	Y							Y	0.000
H-26	M	59	Healthy individual			N	Y							Y	0.079
H-27	M	43	Healthy individual			N	Y							Y	0.061
H-28	F	46	Healthy individual			N	Y							Y	0.045
H-29	F	24	Healthy individual			N	Y							Y	0.115
H-30	F	32	Healthy individual			N	Y							Y	0.063
H-31	F	39	Healthy individual			N	Y							Y	0.034
H-32	M	26	Healthy individual			N	Y							Y	0.032
H-33	F	54	Healthy individual			N	Y							Y	0.124
H-34	M	41	Healthy individual			N	Y							Y	0.066
H-35	F	50	Healthy individual			N	Y							Y	0.082
H-36	F	47	Healthy individual			N	Y							Y	0.000
H-37	F	33	Healthy individual			N	Y							Y	0.081
H-38	F	28	Healthy individual			N	Y							Y	0.060

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [c]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
H-39	M	26	Healthy individual			N	Y							Y	0.101
H-40	M	45	Healthy individual			N	Y							Y	0.031
H-41	F	22	Healthy individual			N	Y							Y	0.052
H-42	M	39	Healthy individual			N	Y							Y	0.031
H-43	F	24	Healthy individual			N	Y							Y	0.039
H-44	F	29	Healthy individual			N	Y							Y	0.029
H-45	F	30	Healthy individual			N	Y							Y	0.035
H-46	M	44	Healthy individual			N	Y							Y	0.027
H-47	F	57	Healthy individual			N	Y							Y	0.059
H-48	F	36	Healthy individual			N	Y							Y	0.054
H-49	F	38	Healthy individual			N	Y							Y	0.059
H-50	M	41	Healthy individual			N	Y							Y	0.000
H-51	M	20	Healthy individual			N	Y							Y	0.051
H-52	M	32	Healthy individual			N	Y							Y	0.016
H-53	F	18	Healthy individual			N	Y							Y	0.036
H-54	F	37	Healthy individual			N	Y							Y	0.043
H-55	F	45	Healthy individual			N	Y							Y	0.020
H-56	F	26	Healthy individual			N	Y							Y	0.033
H-57	F	39	Healthy individual			N	Y							Y	0.039
H-58	M	25	Healthy individual			N	Y							Y	0.027
H-59	F	22	Healthy individual			N	Y							Y	0.085
H-60	M	54	Healthy individual			N	Y							Y	0.056
H-61	F	47	Healthy individual			N	Y							Y	0.045

Table S1. *Cont.*

Sample ID	Sex [a]	Age	Clinical Status	Diagnosis	OB [b]	Type of Sample		Pooled Samples		Used for 2D-PAGE	CSF as Source of Auto-Abs [e]	Serum as Source of Auto-Abs		ELISA	
						CSF	Serum	MS-CSF Pool	MS-Se Pool	MS-CSF Pools	2D WB Analysis	2D WB Analysis	1D WB Analysis	Tested Samples	OD (cutoff ≥ 0.2)
H-62	F	36	Healthy individual			N	Y							Y	0.000
H-63	F	30	Healthy individual			N	Y							Y	0.023
H-64	F	29	Healthy individual			N	Y							Y	0.188
H-65	M	42	Healthy individual			N	Y							Y	0.008
H-66	F	53	Healthy individual			N	Y							Y	0.054
H-67	F	60	Healthy individual			N	Y							Y	0.103
H-68	M	37	Healthy individual			N	Y							Y	0.050
H-69	F	41	Healthy individual			N	Y							Y	0.161
H-70	F	26	Healthy individual			N	Y							Y	0.081
H-71	M	33	Healthy individual			N	Y							Y	0.029
H-72	M	19	Healthy individual			N	Y							Y	0.027
H-73	M	22	Healthy individual			N	Y							Y	0.035
H-74	M	38	Healthy individual			N	Y							Y	0.037
H-75	F	54	Healthy individual			N	Y							Y	0.000
H-76	M	46	Healthy individual			N	Y							Y	0.049
H-77	M	20	Healthy individual			N	Y							Y	0.037
H-78	F	31	Healthy individual			N	Y							Y	0.097
H-79	F	47	Healthy individual			N	Y							Y	0.046
H-80	M	28	Healthy individual			N	Y							Y	0.054

[a] M: male; F: female; [b] OB: Oligoclonal Band; M: Multiple; A: Absent; UD: Undetected; UR: Unreported; [c] Y: Yes; [d] N: No; [e] Abs: Antibodies; [f] The serum sample MS-25 included in this pool was also tested as single sample in 2D-immunoblotting described in the text. WB, western blots.