

[illegible]

Pseudonym	CSF leukocytes (/μl)	CSF albumin ratio	BCSFBD	IgG synthesis	IgG synthesis (%)	IgG ratio (x1/1000)	IgA synthesis	IgA synthesis (%)	IgA ratio	IgM synthesis	IgM synthesis (%)	IgM ratio	CSF OCBs	MRZ
NIT-6782991	7.0	9.8	yes	yes	n/a	6.3	no	0.0	3.3	no	0.0	0.6	yes	neg.
NIT-8062374	8.0	4.3	yes	yes	n/a	2.2	no	0.0	1.3	yes	25.0	1.1	yes	n/a
NIT-8102001	5.0	4.7	no	yes	n/a	2.7	no	0.0	1.0	no	0.0	0.4	yes	neg.
NIT-8088417	3.0	6.4	no	no	0.0	2.9	no	0.0	1.5	no	0.0	0.2	no	neg.
NIT-8136921	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	yes	n/a
REB/K2-4917297	3.0	3.3	no	yes	n/a	2.7	n/a	n/a	n/a	n/a	n/a	n/a	yes	pos.
REB/K2-8134920	1.0	3.2	n/a	yes	n/a	2.6	n/a	n/a	n/a	n/a	n/a	n/a	yes	n/a
NIT-8181639	293.0	11.0	yes	yes	n/a	6.0	no	0.0	4.9	no	0.0	3.5	yes	n/a
NIT-3403428	4.0	5.0	no	no	0.0	2.9	no	0.0	1.4	no	0.0	0.5	no	neg.
NIT-4348821	13.0	7.0	yes	yes	n/a	4.7	no	0.0	2.2	no	0.0	0.5	yes	neg.
NIT-8087343	2.0	2.4	no	yes	n/a	1.5	no	0.0	0.5	no	0.0	0.1	yes	neg.
NIT-7172448	16.0	5.0	no	yes	13.0	4.0	no	0.0	1.8	yes	83.0	4.5	yes	neg.
NIT-7607967	17.0	4.2	no	yes	51.0	5.9	yes	16.0	2.2	no	0.0	0.8	yes	pos.
NIT-6919392	10.0	6.3	no	yes	13.0	5.3	no	0.0	1.6	no	0.0	0.4	yes	pos.
NIT-8088474	25.0	3.0	no	yes	61.0	4.9	yes	20.0	1.5	yes	35.0	0.8	yes	pos.
NIT-8096613	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	yes	n/a
NIT-7459605	0.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	yes	n/a
NIT-8086905	9.0	n/a	n/a	yes	62.2	n/a	yes	10.1	n/a	yes	45.3	n/a	yes	n/a
NIT-8154425	6.0	2.1	no	no	0.0	1.5	no	0.0	0.4	no	0.0	0.1	no	pos.
NIT-8163345	7.0	4.5	no	yes	47.1	5.9	no	0.0	1.3	no	0.0	0.2	yes	pos.
NIT-8134077	6.0	5.8	yes	yes	30.0	5.9	no	0.0	1.6	no	0.0	1.4	yes	neg.
NIT-8166927	9.0	4.8	no	yes	47.0	6.2	no	0.0	1.6	no	0.0	0.9	yes	n/a
NIT-8197809	3.0	2.5	no	yes	n/a	1.7	no	0.0	0.6	no	0.0	0.4	yes	neg.
DUS-5332299	0.0	4.6	no	no	0.0	2.3	no	0.0	1.3	no	0.0	0.2	no	n/a
DUS-8189904	14.0	2.6	no	yes	n/a	6.2	n/a	n/a	n/a	n/a	n/a	n/a	yes	n/a
DUS-8213607	5.0	5.2	no	yes	0.3	3.7	n/a	n/a	n/a	n/a	n/a	0.2	yes	pos.
DUS-8197194	70.0	7.8	yes	yes	n/a	4.9	n/a	n/a	2.7	n/a	n/a	0.6	yes	neg.
DUS-8176917	11.0	8.3	yes	yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.1	yes	pos.
DUS-8288859	10.0	7.8	yes	yes	n/a	5.2	no	0.0	2.6	no	0.0	0.6	yes	neg.
NIT-8048556	2.0	6.5	no	no	0.0	2.8	no	0.0	1.8	no	0.0	0.2	no	neg.
NFL/R-7853181	14.0	6.8	yes	yes	50.0	9.9	no	0.0	1.6	no	0.0	0.4	yes	pos.
NFL/R-7870851	16.0	10.3	yes	yes	n/a	8.8	no	0.0	3.9	no	0.0	1.2	yes	n/a
NFL/R-7863336	0.0	5.1	no	yes	n/a	3.8	no	0.0	1.5	no	0.0	0.6	yes	neg.
DUS-6586830	3.0	7.6	yes	yes	n/a	4.8	no	0.0	2.3	no	0.0	0.6	yes	n/a
DUS-6224907	6.0	8.1	yes	yes	n/a	5.0	yes	23.0	5.4	no	0.0	1.9	yes	n/a

Supplementary Table S2 - Basic CSF characteristics of RRMS patients

BCSFBD - Blood-CSF-barrier dysfunction, CSF - Cerebrospinal fluid, Ig - Immunoglobulin, MRZ - Antibody indices (AI) against measles, rubella, and varicella zoster virus. MRZ was defined 'positive' if at least two out of three AI were higher than 1.5, n/a - not available, OCBs - Oligoclonal bands, RRMS - Relapsing remitting Multiple Sclerosis.