

Supplementary Table 1: Patient demographics.

The whole study cohort:

Demographics		HD (n = 40)	ME/CFS (n = 41)	PCS-CFS (n = 16)	MS (n = 20)
Gender	Female	27	28	11	16
	Male	13	13	5	4
Age	Mean \pm SD	40.93 \pm 12.17	39.85 \pm 8.50	40.75 \pm 10.34	38.70 \pm 9.97
	Median (min-max)	39 (12-65)	39 (22-59)	41.5 (21-58)	40 (20-54)
Bell Score	10-20	0	14	5	0
	30-40	0	21	8	0
	45-60	0	6	1	0
	na	40	0	2	20

Mass spectrometry study:

Demographics		HD (n = 39)	ME/CFS (n = 40)	PCS-CFS (n = 16)	MS (n = 11)
Gender	Female	26	28	11	9
	Male	13	12	5	2
Age	Mean \pm SD	41.13 \pm 12.26	39.88 \pm 8.61	40.75 \pm 10.34	36.27 \pm 9.33
	Median (min-max)	39 (12-65)	39 (22-59)	41.5 (21-58)	38 (20-45)
Bell Score	10-20	0	13	5	0
	30-40	0	21	8	0
	45-60	0	6	1	0
	na	39	0	2	11

Mitochondrial study:

Demographics		HD (n = 39)	ME/CFS (n = 41)	PCS-CFS (n = 15)	MS (n = 20)
Gender	Female	27	28	16	16
	Male	12	13	4	4
Age	Mean \pm SD	41.31 \pm 12.08	39.85 \pm 8.50	38.70 \pm 9.97	38.70 \pm 9.97
	Median (min-max)	39 (12-65)	39 (22-59)	40 (20-54)	40 (20-54)
Bell Score	10-20	0	14	0	0
	30-40	0	21	0	0
	45-60	0	6	0	0
	na	39	0	20	20

Supplementary Table 2: List of antigens used in the microarray study.

Supplementary Table 2
Autoantigens
Aggrecan
AGTR
Alpha Fodrin
alpha-actinine
Amyloid
AQP4
B2 glycoprotein 1
B2-microglobulin
BPI
Cardolipin
CD40
CENP-A
CENP-B
Chondroitin Sulfate C
Collagen I
Collagen II
Collagen III
Collagen IV
Collagen V
Collagen VI
complement C1q
complement C3
complement C3a
complement C4
complement C5
complement C6
complement C7
complement C8
complement C9
Core Histone
CRP
Cytochrome C
Decorin-bovine
DGPS

DNA Polymerase beta (POLB)
dsDNA
EBNA1
Elastin
Entaktin EDTA
Factor B
Factor D
Factor H
Factor I
Factor P
Fibrinogen IV
Fibrinogen S
Fibronectin
GAD2/GAD65
GBM
Genomic DNA
Gliadin
Glycated Albumin
GP2
GP210
Hemocyanin
Heparan sulfate proteoglycan
Heparan Sulphate
Heparin
Histone H1
Histone H2A
Histone H2B
Histone H3
Histone H4
Insulin
Intrinsic Factor
Jo-1
KU (P70/P80)
La/SSB
Laminin
LC1
LKM1
LPS

M2
Matrigel
MDA5
Mi-2
Mitochondrial antigen
MPO
Muscarinic receptor
Myelin basic protein (MBP)
Myosin
Nucleolin
Nucleosome antigen
Nup 62
PCNA
Peroxiredoxin 1
PL-7
PL-12
PM/Scl 100
PM/Scl-75
PR3
Proteoglycan
Prothrombin protein
Ribo Phosphoprotein P0
Ribo Phosphoprotein P1
Ribo Phosphoprotein P2
Ro/SSA (52 Kda)
Ro/SSA (60 Kda)
S100
Scl-70/Topoisomerase I
Sm
Sm/RNP
SmD
SmD1,D2,D3
SP100
Sphingomyelin
SRP54
ssDNA
ssRNA
T1F1 gama
Thyroglobulin

TNF-a
TPO
TTG
U1-snRNP 68/70
U1-snRNP A
U1-snRNP B/B U1-snRNP B/B
U1-snRNP C
Vimentin
Vitronectin