

Table S2. Previously identified integral membrane proteins of the NE

name	Hits, NaOH (a)	Hits, Salt and Detergent (a)	# TM	# aa	chrom	localization
LAP1C	1	17	1	462	1q24.2	lamina-associated
LBR	6	1	8	620	1q42.1	lamina-associated
LUMA	x ^(b)		4	400	3p25.1	nuclear membrane
gp210	12	37	1	1886	3p25.1	NPC
nurim	x ^(b)		4	262	6p21.31	nuclear membrane
syne1	1	12	1	3321	6q25	lamina-associated
Unc84A	3	4	1	309	7p22.3	lamina-associated
POM121	2	21	1	1199	7q11.23	NPC
MAN1	3	1	2	911	12q14	lamina-associated
LAP2	19	13	1	452	12q22	lamina-associated
syne 2	1	4	1	1850	14q23.1	nuclear membrane
SUN2	20	16	1	717	22q13.1	nuclear membrane ^(c)
emerin	2	1	1	259	Xq28	lamina-associated

TM is the number of predicted or published transmembrane segments. Note that MAN1 and emerin map to three additional dystrophy loci in addition to the 14 covered by the novel NE proteins in Fig. 3.

^(a) Number of peptides detected in NaOH-extracted and salt-and-detergent-extracted NEs.

^(b) Fully tryptic peptides for nurim and LUMA were detected in mouse NaOH-extracted NEs but did not pass all of the conservative criteria described in Materials and Methods.

^(c) Personal communication, Hodzic and Stahl, Wash. U., St. Louis, MO.