Table S1. Overview of nuclear envelope and microsomal membrane samples analyzed by MudPIT

For each sample analyzed in this and previous studies are specified:

- the type of digestion used to generate the peptide mixture;
- the number of liquid chromatography steps coupled to mass spectrometry applied to the peptide mixture;
- the type of ion trap mass spectrometer used to acquire the MS/MS dataset;
- the number of proteins in the sequence database used to query the MS/MS dataset;
- the hash identifiers to download the raw mass spectrometric data from ProteomeCommons.org Tranche.

See EXPERIMENTAL PROCEDURES for details

							Amino Acid Sequence Database					
Cells/Tissue	Membrane Type	Sample Type	Digestion type	Sample Name (Supporting Tables 2-4)	MudPIT Steps	MS Instrument	NR Forward Amino Acid Sequences	NR human, rat, and mouse homologs of known NETs	NR Contaminant	NR Shuffled	NR Total	Hash at ProteomeCommons.org Tranche
Resting PBMC	NEs	NaOH-extracted nuclear envelope (NE) from resting lymphocytes (prep #1)	CNBr + Ti	HsNaOH-NE_NT_lymphocytes_CNBrTi_1	12	Deca-XP	30552 Homo sapiens (NCBI_2008-03-04)	218	162	30932	61864	4mWjs+LvJQb4FUwQD8O3X5MkkLit6/3bHJfJZK3owfOX4jwMtCUQFhRv95ORUTT8gT5HKx6RdVxGlCjy/nOHw/pjLeMAAAAAAAAGUg==
		NaOH-extracted nuclear envelope (NE) from resting lymphocytes (prep #2)	Ti	HsNaOH-NE_NT_lymphocytes_Ti_1	15	LTQ						5aTYg17TJJuGrxJ/wra09yMtKGoVwtlgYWi+EK7Np92HD73ed5417f2/x0ndBFzSjLxwFldZheB74gYe829QI8CDDiwAAAAAAAAFrQ==
		NaOH-extracted nuclear envelope (NE) from resting lymphocytes (prep #2)	PK	HsNaOH-NE_NT_lymphocytes_PK_1	15	LTQ						MBcaJI2EOh07R/EEOLUVt85OXiVbebs7/PiRkN3HvoazDKMmEZxw53RLG96Vx9pgGhIxM0Dxk2O05V0QiEiQi0+oUqoAAAAAAAAGlQ==
		Octylglucoside/NaCl extracted nuclear envelope (NE) from resting lymphocytes (prep #1)	Ti	HsSD-NE_NT_lymphocytes_Ti_1	12	LTQ						rgMMQvG4dw8tJ9WeX0DHi0k6vvEclU34F8mzsnExggk9AbENEtfaBPxvTuBlhJ/iAnDU7XQLLNr8fJV2W72mziU6KrMAAAAAAAAFsQ==
		Octylglucoside/NaCl extracted nuclear envelope (NE) from resting lymphocytes (prep #1)	PK	HsSD-NE_NT_lymphocytes_PK_1	15	LTQ						bQnUrYCBdxRh8wM32qka9Jg80U4ow7Z0HK+SmdbPbxPVo3TzLgeTqCWgzKPDYAkUltDGXybehz2ZFVq2EJ+G/et3AiwAAAAAAAAGmQ==
PBMC + PHA	NEs	NaOH-extracted nuclear envelope (NE) from PHA-activated lymphocytes (prep #1)	CNBr + Ti	HsNaOH-NE_PHA_lymphocytes_CNBrTi_1	12	Deca-XP						/0iTLp3cH9L60CR441Dxg/REq/GKoYRz9Kd/QloEd+3h265EsD1S213sb8ic267lWS5gGDdQHV3xR+T7qZ36K4+O/ZUAAAAAAAAGXA==
		NaOH-extracted nuclear envelope (NE) from PHA-activated lymphocytes (prep #2)	Ti	HsNaOH-NE_PHA_lymphocytes_Ti_1	15	LTQ						gKqv8i+5tPSdMhZM9lZW93nSIXTeQUpYhgyc6SEXUgYJAj+AqeF49+VneqJ5RTQQrEnOM9t2ANPZQJWRZAJaKY0uMBAAAAAAAAAFtQ==
		NaOH-extracted nuclear envelope (NE) from PHA-activated lymphocytes (prep #2)	PK	HsNaOH-NE_PHA_lymphocytes_PK_1	12	LTQ						pi3VbyTD3uo8WvUrRgmJn0phN7KpMp5yNInoWpvXSInLu/N0cNKjTY79b3okjGy6+e5zSkQATmN2dQzQ4giyJMdVmvMAAAAAAAAGnw==
		Octylglucoside/NaCl extracted nuclear envelope (NE) from PHA-activated lymphocytes (prep #1)	Ti	HsSD-NE_PHA_lymphocytes_Ti_1	15	LTQ						5nw33XkNPBMdAuQNg6HRD2MPyTa7osxDObK2cxSdAWtVHsRV+sC3kW6omUK3PrvBNa4WCarVz3Hnskjrbn4e7JuU6+sAAAAAAAAFuw==
		Octylglucoside/NaCl extracted nuclear envelope (NE) from PHA-activated lymphocytes (prep #1)	PK	HsSD-NE_PHA_lymphocytes_PK_1	15	LTQ						QPGdJRqWff6OE9isf9e9zSnB9D0xmV0rQzyR7+Jy5Z6hZZNQDzuGYKNO5+vZJFLxasQ7/Tx4lWHp/Jd5yztAJ095NuUAAAAAAAAGpA==
Liver	MMs	‡NaOH extracted microsomal membranes (MMs) from mouse liver (prep #1)	CNBr + Ti	MmNaOH-MM_liver_CNBrTi_1	10	Deca	29998 Mus musculus (NCBI_2007-06-22)	250	166	30414	60828	Y+lTtCT8NMlD0geT1lJiVcUIdaOHJmM08umEd9yhyGOq/rqjAkuft0Txw1yeznfC8iXNbkfR/0v35Y0qLBhVyvrgaSwAAAAAAAAGBg==
		‡NaOH extracted microsomal membranes (MMs) from mouse liver (prep #1)	CNBr + Ti	MmNaOH-MM_liver_CNBrTi_2	12	Deca						2KBwq4C/GrCKjyrUMRoRdZ55hzMbJr3wc+O3kZqwnFLV/90uaYuK64FxNneldmnQ7HO1dRNBaNG51EGUnz3EV18OrusAAAAAAAAGAA==
		NaOH extracted microsomal membranes (MMs) from rat liver (prep #1)	Ti	RnNaOH-MM_liver_Ti_1	15	LTQ	28400 Rattus norvegicus (NCBI_2006-07-10)	197	172	28769	57538	bpp6s9dcwf3lzclX0cPDJCJ01f97QesmXl6anF4PVaUNuNmfdlRrtqkELKcBM6l2X08B/d69Hys6o4vUq66TYHBc4CQAAAAAAAAFaQ==
		NaOH extracted microsomal membranes (MMs) from rat liver (prep #1)	Ti	RnNaOH-MM_liver_Ti_2	15	LTQ						7wO8Wz/6iv2rZU5WACjlm1sY5sIkiMWTC5X2+Tjyt5SN+fPoCR/LxuWiD3DetTh+oTWNkU7wd6gp2c3XKx8Oybxl6HMAAAAAAAAFaQ==
		NaOH extracted microsomal membranes (MMs) from rat liver (prep #1)	Ti	RnNaOH-MM_liver_Ti_3	15	LTQ						ElAxLpoQLOHTnIp0FpP1FeRrEckCbdz0VHUt4h9ISX8v8sMEoutFOarYhBK3+d+jUv1Ihe5rRfXhhR7UcXqx0Bicw4sAAAAAAAAFaQ==
		NaOH extracted microsomal membranes (MMs) from rat liver (prep #1)	Ti	RnNaOH-MM_liver_Ti_4	15	LTQ						cnJ7dLVqF73eGbFqgZyTn3Egb/XL2RzMWrP7gXG41VfvbRri1eHa1uaHWjvMjbXGdvpq4XCQoz1u+gU//rR/MO7/hckAAAAAAAAFaQ==
		NaOH extracted microsomal membranes (MMs) from rat liver (prep #1)	PK	RnNaOH-MM_liver_PK_1	13	LTQ						ENorMHs0SFhkyD9Y5w4gbEh2bVCdl7gT5SF6dnp0zebaxoFG7kYpPTwYFQXGmhPBjKR/ZG8ewsnnSZZcEzmJZvYq8ecAAAAAAAAGVA==
		NaOH extracted microsomal membranes (MMs) from rat liver (prep #1)	PK	RnNaOH-MM_liver_PK_2	13	LTQ						H36mWYfElnzq6lSRTgc6v6VJVs4WxrUkCNa0LTmufeP+OoMPQaxkkBxn6nHlEv8iCgcw8ghryUbglY9i+Udjk4k8XnsAAAAAAAAGUg==

‡Schirmer et al, 2003

CNBr+Ti: Cyanogen bromide followed by endoproteinase Lys-C and trypsin
Ti: endoproteinase Lys-C followed by trypsin
PK: high pH proteinase K on membranous pellets left-over after Ti digestion