

Table S3. Frequency/probability distribution of the net charge in the flanking sequences of the positive and negative NESs and the calculated likelihood ratios.

Net charge ^a	Positive NESs ^b		Negative NESs ^c		Negative NESs ^d		Likelihood ratio-1 ^e	Likelihood ratio-2 ^f
	Freq	Prob1	Freq	Prob2	Freq	Prob3		
≤-4	26	0.15	102	0.08	145	0.07	1.80	2.09
-3.9 to -2	29	0.16	179	0.14	361	0.17	1.15	0.94
-1.9 to 0	55	0.31	351	0.28	683	0.33	1.11	0.94
≥0.1	68	0.38	627	0.50	889	0.43	0.77	0.89

^a Range of amino acid net charge (NC) in the flanking sequences of the positive or negative NESs. The frequency (Freq) and probability (Prob1-Prob3: rate of frequency) for each range were calculated.

^b Positive NES set consisting of 178 NESs from the ValidNES dataset.

^c Negative NES set consisting of 1,259 NESs from the ValidNES dataset.

^d Negative NES set consisting of 2,078 NESs from the Sp-protein dataset.

^e Likelihood ratio-1: ratio of Prob1 of the positive NESs to Prob2 of the negative NESs from the ValidNES dataset.

^f Likelihood ratio-1: ratio of Prob1 of the positive NESs to Prob3 of the negative NESs from the Sp-protein dataset.