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(54) **Title:** CITRULLINATED NUCLEOPHOSMIN PEPTIDES AS CANCER VACCINES

Figure 1

NEM1.1	MEDSMMDMSPLRPQNYLFGCELKADKDYHFKVDNDENEHQLSLRTVSLGAGAKDELHIV	60
NEM1.3	MEDSMMDMSPLRPQNYLFGCELKADKDYHFKVDNDENEHQLSLRTVSLGAGAKDELHIV	60
NEM1.2	MEDSMMDMSPLRPQNYLFGCELKADKDYHFKVDNDENEHQLSLRTVSLGAGAKDELHIV	60
NOM1.1	EAEAMNYEGSPIKVTLATLKMSVQPTVSLGGFEITPPVVLRLKCGSGPVHISGQHILVAVE	120
NEM1.3	EAEAMNYEGSPIKVTLATLKMSVQPTVSLGGFEITPPVVLRLKCGSGPVHISGQHILVAVE	120
NEM1.2	EAEAMNYEGSPIKVTLATLKMSVQPTVSLGGFEITPPVVLRLKCGSGPVHISGQHILVAVE	120
NEM1.1	EDAESDEEEEDVKLLSISGKRSAPGGGSKVPQKKVLADEDDDDDEDDDDDDDDDD	180
NEM1.3	EDAESDEEEEDVKLLSISGKRSAPGGGSKVPQKKVLADEDDDDDEDDDDDDDDDD	180
NEM1.2	EDAESDEEEEDVKLLSISGKRSAPGGGSKVPQKKVLADEDDDDDEDDDDDDDDDD	180
NEM1.1	FDDEEAEEKAPVKKSTIRDTFAKNAQKSNONGKDSKPSSTPSKKGQESFKKQKPTPKTPKG	240
NEM1.3	FDDEEAEEKAPVKKSTIRDTFAKNAQKSNONGKDSKPSSTPSKKGQESFKKQKPTPKTPKG	240
NEM1.2	FDDEEAEEKAPVKKSTIRDTFAKNAQKSNONGKDSKPSSTPSKKGQESFKKQKPTPKTPKG	211
NEM1.1	PSSVEDIKAKMQASIEKGGSLPKVEAKFINYVKNCFRMTDQEAQDLWCWPKSL	294
NEM1.3	PSSVEDIKAKMQASIEKAH-----	259
NEM1.2	PSSVEDIKAKMQASIEKGGSLPKVEAKFINYVKNCFRMTDQEAQDLWCWPKSL	265

(57) **Abstract:** The present invention relates to modified nucleophosmin peptides that can be used in cancer immunotherapy. The modified peptides may be used as vaccines or as targets for T cell receptor (TCR) and adoptive T cell transfer therapies. Such vaccines or targets may be used in the treatment of cancer.

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