

A 20 Residues Motif Delineates the Furin Cleavage Site and its Physical Properties May Influence Viral Fusion

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P1'	0.733695	ZVEL_TINY_	AA Property : tiny
P2'	0.664174	NAKH900112	Transmembrane regions of mt-proteins
P2'	0.673016	JUKT750101	Amino acid distribution
P2'	0.695729	JOND920101	Relative frequency of occurrence
P2'	0.697145	ZVEL_ALI_1	AA Property : aliphatic
P2'	0.704574	NAKH900101	AA composition of total proteins
P2'	0.754404	NAKH920108	AA composition of MEM of multi-spanning proteins
P2'	0.765724	NAKH900109	AA composition of membrane proteins
P2'	0.771425	NAKH900111	Transmembrane regions of non-mt-proteins
P2'	0.798512	NAKH920105	AA composition of MEM of single-spanning proteins
P2'	0.803818	ZVEL_ALI_2	AA Property : aliphatic
P3'	0.65436	LEVM780106	Normalized frequency of reverse turn, unweighted
P3'	0.655909	NAKH920107	AA composition of EXT of multi-spanning proteins
P3'	-0.656407	MCMT640101	Refractivity
P3'	-0.66243	HUTJ700101	Heat capacity
P3'	0.666297	PRAM820102	Slope in regression analysis x 1.0E1
P3'	0.699175	NAKH920103	AA composition of EXT of single-spanning proteins
P3'	0.71227	NAKH920104	AA composition of EXT2 of single-spanning proteins
P3'	0.734541	NAKH920101	AA composition of CYT of single-spanning proteins
P4'	-0.65123	WERD780101	Propensity to be buried inside
P4'	-0.666165	CIDH920105	Normalized average hydrophobicity scales
P4'	0.666573	VINM940103	Normalized flexibility parameters (B-values) for each residue
P4'	0.674481	RACS770101	Average reduced distance for C-alpha
P4'	-0.675287	HUTJ700101	Heat capacity
P4'	0.683068	NAKH920101	AA composition of CYT of single-spanning proteins
P4'	-0.686161	CIDH920102	Normalized hydrophobicity scales for beta-proteins
P4'	-0.690372	ROSG850101	Mean area buried on transfer
P4'	-0.698402	MCMT640101	Refractivity
P4'	-0.728648	CIDH920101	Normalized hydrophobicity scales for alpha-proteins
P4'	0.770691	KARP850101	Flexibility parameter for no rigid neighbors
P5'	0.652281	JUNJ780101	Sequence frequency
P5'	-0.659262	LEVM760106	van der Waals parameter R0
P5'	0.662684	NAKH900102	SD of AA composition of total proteins
P5'	0.666843	ZVEL_TINY_	AA Property : tiny
P5'	-0.667968	HAGECH94_V	mean volume of residues
P5'	0.669818	NAKH920106	AA composition of CYT of multi-spanning proteins
P5'	-0.675928	HUTJ700101	Heat capacity
P5'	-0.679432	ZASB820101	Dependence of partition coefficient on ionic strength
P5'	0.68466	JUKT750101	Amino acid distribution
P5'	0.68924	NAKH900101	AA composition of total proteins
P5'	-0.69047	ROSG850101	Mean area buried on transfer
P5'	-0.691938	CIDH920101	Normalized hydrophobicity scales for alpha-proteins
P5'	0.696557	JOND920101	Relative frequency of occurrence
P5'	-0.703815	QIAN880129	Weights for coil at the window position of -4
P5'	-0.709677	CIDH920102	Normalized hydrophobicity scales for beta-proteins
P5'	0.716431	DAYM780101	Amino acid composition
P5'	-0.720734	LEVM760107	van der Waals parameter epsilon
P5'	-0.751725	MCMT640101	Refractivity
P5'	0.754479	PRAM820102	Slope in regression analysis x 1.0E1
P5'	0.83382	NAKH920102	AA composition of CYT2 of single-spanning proteins
P5'	0.841348	NAKH920101	AA composition of CYT of single-spanning proteins
P6'	0.669203	NAKH920106	AA composition of CYT of multi-spanning proteins
P6'	0.69579	NAKH920103	AA composition of EXT of single-spanning proteins
P6'	0.699043	NAKH920104	AA composition of EXT2 of single-spanning proteins
P6'	0.702778	NAKH920107	AA composition of EXT of multi-spanning proteins
P6'	0.708247	NAKH900101	AA composition of total proteins
P6'	0.709797	JOND920101	Relative frequency of occurrence
P1	0.688247	ZVEL_CH_P1	AA Property : positiv charged (without Histidin in hydrophobic surroundig)
P1	0.712923	FAUJ880109	Number of hydrogen bond donors
P1	-0.725971	JOND750102	pK (-COOH)
P1	0.834481	EISD860102	Atom-based hydrophobic moment
P2	0.82151	ZIMJ680104	Isoelectric point
P2	0.849656	EISD860102	Atom-based hydrophobic moment

P2	0.992738	ZVEL_CH_P1	AA Property : positiv charged (without Histidin in hydrophobic surroundig)
P2	0.773225	FINA910103	Helix termination parameter at position j-2,j-1,j
P2	0.785907	FAUJ880111	Positive charge
P2	0.785907	ZVEL_CHPOS	AA Property : positiv charged
P2	0.67605	FAUJ880109	Number of hydrogen bond donors
P2	-0.67917	EISD840101	Consensus normalized hydrophobicity scale
P2	0.681171	JANJ780103	Percentage of exposed residues
P2	0.723637	HUTJ700103	Entropy of formation
P2	-0.736652	JANJ790102	Transfer free energy
P2	0.741426	CHOC760102	Residue accessible surface area in folded protein
P2	0.748791	JANJ780101	Average accessible surface area
P2	0.75763	KLEP840101	Net charge
P3	0.660954	KLEP840101	Net charge
P3	0.672052	ZIMJ680104	Isoelectric point
P3	0.689738	ZVEL_CH_P1	AA Property : positiv charged (without Histidin in hydrophobic surroundig)
P3	0.690084	FINA910103	Helix termination parameter at position j-2,j-1,j
P3	-0.754355	WOLS870103	Principal property value z3
P4	0.694087	ZVEL_CH_P1	AA Property : positiv charged (without Histidin in hydrophobic surroundig)
P4	0.702252	FAUJ880109	Number of hydrogen bond donors
P4	-0.707818	JOND750102	pK (-COOH)
P4	0.834401	EISD860102	Atom-based hydrophobic moment
P5	0.67148	EISD860102	Atom-based hydrophobic moment
P5	0.72382	ZVEL_CH_P1	AA Property : positiv charged (without Histidin in hydrophobic surroundig)
P5	0.738517	ZIMJ680104	Isoelectric point
P5	0.767425	FINA910103	Helix termination parameter at position j-2,j-1,j
P6	0.655872	NAKH900102	SD of AA composition of total proteins
P6	0.658178	ZIMJ680104	Isoelectric point
P6	0.716258	FINA910103	Helix termination parameter at position j-2,j-1,j
P6	0.722689	OOBM850105	Optimized side chain interaction parameter
P7	-0.657345	MCMT640101	Refractivity
P7	0.657	JOND920101	Relative frequency of occurrence
P7	0.67059	NAKH920106	AA composition of CYT of multi-spanning proteins
P7	0.6743	NAKH900101	AA composition of total proteins
P7	0.674758	JUNJ780101	Sequence frequency
P7	0.675053	ZVEL_TINY_	AA Property : tiny
P7	0.705313	NAKH920102	AA composition of CYT2 of single-spanning proteins
P7	0.705777	DAYM780101	Amino acid composition
P7	-0.709817	HUTJ700101	Heat capacity
P7	0.742934	NAKH900102	SD of AA composition of total proteins
P7	0.793552	NAKH920101	AA composition of CYT of single-spanning proteins
P8	0.654121	ISOY800104	Normalized relative frequency of bend R
P8	0.658807	NAKH920101	AA composition of CYT of single-spanning proteins
P8	0.676672	TANS770104	Normalized frequency of chain reversal R
P8	0.682077	CHOP780213	Frequency of the 2nd residue in turn
P8	0.686679	VASM830102	Relative population of conformational state C
P9	0.662366	KARP850102	Flexibility parameter for one rigid neighbor
P9	0.678079	KRIW790101	Side chain interaction parameter
P9	-0.688165	RACS820105	Average relative fractional occurrence in E0(i)
P9	0.698828	SOY800104	Normalized relative frequency of bend R
P9	-0.70735	CHOP780209	Normalized frequency of C-terminal beta-sheet
P9	0.720877	OOBM850105	Optimized side chain interaction parameter
P9	0.784602	VASM830102	Relative population of conformational state C
P10	0.650285	RACS820101	Average relative fractional occurrence in A0(i)
P10	0.655283	ISOY800104	Normalized relative frequency of bend R
P10	-0.656304	PONP800107	Accessibility reduction ratio
P10	0.661701	KARP850102	Flexibility parameter for one rigid neighbor
P10	-0.663571	WERD780101	Propensity to be buried inside
P10	-0.665233	CIDH920104	Normalized hydrophobicity scales for alpha/beta-proteins
P10	-0.671734	NISK860101	14 A contact number
P10	0.677358	KARP850101	Flexibility parameter for no rigid neighbors
P10	0.683329	TANS770104	Normalized frequency of chain reversal R
P10	-0.685155	CIDH920105	Normalized average hydrophobicity scales

P10	-0.686749	CIDH920102	Normalized hydrophobicity scales for beta-proteins
P10	-0.688594	MIYS850101	Effective partition energy
P10	0.688766	VASM830102	Relative population of conformational state C
P10	0.697974	QIAN880115	Weights for beta-sheet at the window position of -5
P10	-0.702582	RICJ880111	Relative preference value at C4
P10	0.705458	VINM940103	Normalized flexibility parameters (B-values) for each residue surrounded by
P10	0.727385	MEIH800101	Average reduced distance for C-alpha
P10	-0.767287	PALJ810111	Normalized frequency of beta-sheet in alpha+beta class
P10	0.781725	RACS770101	Average reduced distance for C-alpha
P11	0.675256	JOND920101	Relative frequency of occurrence
P11	0.686751	NAKH900101	AA composition of total proteins
P11	0.719484	NAKH900102	SD of AA composition of total proteins
P11	0.775628	NAKH920102	AA composition of CYT2 of single-spanning proteins
P11	0.776022	NAKH920101	AA composition of CYT of single-spanning proteins
P12	0.69506	NAKH920103	AA composition of EXT of single-spanning proteins
P12	0.700808	NAKH900109	AA composition of membrane proteins
P12	-0.704283	RACS820105	Average relative fractional occurrence in E0(i)
P12	0.704472	GRO_HYD_Ro	preference of AAResidues in surface parts (ASA > 5 A ²)
P12	0.727499	JUNJ780101	Sequence frequency
P12	0.735589	JUKT750101	Amino acid distribution
P12	0.751953	NAKH920106	AA composition of CYT of multi-spanning proteins
P12	0.759216	NAKH920107	AA composition of EXT of multi-spanning proteins
P12	0.768336	NAKH920102	AA composition of CYT2 of single-spanning proteins
P12	0.770842	DAYM780101	Amino acid composition
P12	0.785089	NAKH900102	SD of AA composition of total proteins
P12	0.787466	NAKH920101	AA composition of CYT of single-spanning proteins
P12	0.791887	NAKH920104	AA composition of EXT2 of single-spanning proteins
P12	0.824422	NAKH900101	AA composition of total proteins
P12	0.828737	JOND920101	Relative frequency of occurrence
P13	0.651586	NAKH900102	SD of AA composition of total proteins
P13	0.664138	NAKH920102	AA composition of CYT2 of single-spanning proteins
P13	0.68054	JUNJ780101	Sequence frequency
P13	0.688993	JUKT750101	Amino acid distribution
P13	0.728238	NAKH920101	AA composition of CYT of single-spanning proteins
P13	0.728562	NAKH920106	AA composition of CYT of multi-spanning proteins
P13	0.731817	DAYM780101	Amino acid composition
P13	0.732296	NAKH920107	AA composition of EXT of multi-spanning proteins
P13	0.754191	NAKH900101	AA composition of total proteins
P13	0.781461	JOND920101	Relative frequency of occurrence
P13	0.813037	NAKH920104	AA composition of EXT2 of single-spanning proteins
P13	0.844677	NAKH920103	AA composition of EXT of single-spanning proteins
P14	0.656132	NAKH920102	AA composition of CYT2 of single-spanning proteins
P14	0.657544	NAKH920106	AA composition of CYT of multi-spanning proteins
P14	0.692467	NAKH920104	AA composition of EXT2 of single-spanning proteins
P14	0.723577	NAKH920101	AA composition of CYT of single-spanning proteins