

Nucleotide sequence of the Chinese hamster intracisternal A-particle genomic region corresponding to 5'LTR-GAG

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A 2Kb.EcoRI-BamH₁ clone was isolated from a genomic λ EMBL3 chinese hamster DNA library (1) using a 5.2 Kb pMIA clone as hybridization probe (2). Comparison of nucleotide sequences between the 2 Kb fragment and Syrian hamster IAP genes, revealed 57 nucleotides with 80.6 % homology to the U5 part of the left LTR, followed by an identical PBS (primer binding site) of 18 nucleotides and a 72.3 % homologous gag region of 1623 nucleotides, including a putative p27 domain (††).

PBS	AGGATCCGAGTGTCTGCATGTATTTCCTTGCCGGCGAGAACATATAGCACGCGGGGACACT	60	LTR 5'
	GGTCCCGAAACCCGGGAACCTCTCAACATCTCCGGCATTGCGGGAGACCCCTCTAACGGGG	120	
	TGGATTGACAACTGCAGGGTGGTAAATTCGGAGAGGTATGCTTTTATCTCCACCTCTCT	180	
	TTTAGACTTTGCTTTCAATTTGTCCACCTATGGGATGGAAAAGCCTTATCTATCTTTA	240	
	TTCTATTGTTTCACATGGTCTTATATTATGCCACCGTGGCTGGTTCAGTTCGAGA	300	
	CCAAGCTTACCAGGATGCTCCAGAATTAATGGGCTCTCAAAAACAGAGAGACCTAATT	360	
	AAAACTGTCTAGAGATTGGAGGCTTGCCTCCCTGGTAGCAGATTGAGTCAAAAAACG	420	
	CTTAAAGAGGTACAGGATAATATATCAGAAAACCGAACGAGATCAGAGAATACGAGCTCGA	480	
	AAAAGGAAGGACGTTGCTCAAGGAAAAAGGCCCTCCCTAGGATATAAAAAAGGGGGAGA	540	
	GAAAATAGGGAAAAACCGTCAATCACCCTTAAATTTATGAGAAATTAAGACTCAAAACC	600	
	TACCTCTGCCCTACAACGAAACTACCGCCTTGGAGCTGAGCAGCTCAGACTCTCAGAT	660	
	TTTAGACTTACCAGGAAGCAGAGCTAGAGGAGGAGGCAGCAGATATTAAGAGGACAG	720	
	ATACCACCCCGATATATATCGGCTGCCAAAAGTAAAGCCTAATATCAAGGCCAGTCCG	780	
	TATCAATCCAGCGGGTGTACTTCATCAGCACCCCATTTATTTGGTAACTCACTCTTTTT	840	
	ACCATTAGAGGAGCGAAGGAAATTCAGATGGCTTTCCAGTCTTTCAAAATCCGGGCGC	900	
	AAGAGTACATGCTCCCGTAGACTTATATCAGATTCAGAAATGGCTCAATCAGTCCGGAA	960	
	GCTTGGGGTCAATGCGCAATTTTACAACAATACAAGTAGAAAAGACTACAAAACATATGGTAT	1020	
	GACACCACCTGTTTGGGAAACACAGTAAAGGCAGTCTCCCAATATGGCTATATGGAG	1080	
	TGGAAGGCTCTTTTTATGATGACGCCAGGCACAGGCAAGGCAATGTCACAGCAGAAA	1140	GAG
	ATGAAAATCAGAGACAAATGGACCTTTGAAATGCTCACAGGACAGGGGCCACATGCCTCAA	1200	
	TCAAATTTATACATTTGGGGCGTATATGCCAGATATCAGTGCGCCATTTAAGCATGG	1260	
	AAGCAATGACAAAAGGATGAATCAGGTGGACATCTACAAGATCTCCAGGGGCCCC	1320	
	AGGAGCCATTCTCAGACTTTGTGGCCAGAATCACAGAGGCCGCTACACGATATTCGGTCA	1380	
	TGCAGAACAGCCATGCCTCTGATTCAACTTAGATCTTTGAACAAGCAACTCAAGGAA	1440	
	TGCCGAGCAGCCATAGCCCCCGGAAAAGTAAAGGTTTACAGGACTGGTTAAAGATCTGC	1500	
	AGAGAATCGGAGGGCCACTTACTAATGCAGGCTTGGCACAGCCATCTCAAAAACCCAAA	1560	
	GGCGCCGAAATATGCTCCTGCTTTAACTGTGAAAAACAGGCACCTTAAAAAGGACT	1620	
	GTAAGCCCTGAAAGGACTAGAGAAGTGGAGTTGTGCAGGCGCTGTGGAAAAGGTTATC	1680	
	ATAGGGCCAGTGGAAATGCAAAATCCGTGGGACATAAAGGTACGCTTTTACCCCTACGAGA	1740	
	ACCTTAACTCCAAACAAAAACGGCCGCGGGCCATGTCCAGGGCCCTCAGAAATATG	1800	
	GGAACAGTTCCGGAAAAGCAACTCAGAGAAGGAAGGACTCCCGAGGACACTCCGAGT	1860	
	GACCTGTGTCCCGCCTCCGACTCTTATTAATGCCCAAATCGAAATCTGTTTCAAGCT	1920	
	GTCTCAATCCAATCTCCGGGGCTTTACCCCCCTCCCCCACTACCATTGGGCTTATT	1980	
	TTGGCCGAGGTTCTTACCTTACAGGACTCATT	2016	

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References

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