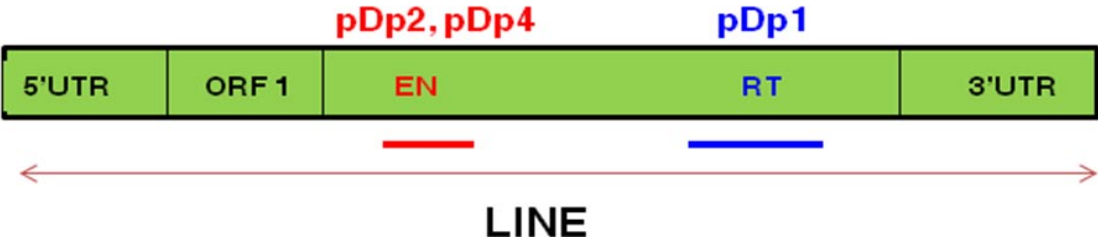


(A)



(B) pDp1- nucleotide position, 841-1329

XP_002764145.1 - PREDICTED: hypothetical protein LOC100406107 (reverse transcriptase) [*Callithrix jacchus*], Length=188, Score = 193 bits (490), Expect = 6e-48, Method: Compositional matrix adjust. Identities = 100/146 (68%), Positives = 111/146 (76%), Gaps = 2/146 (1%)

Query	18	WKRSLFILIPKKGNAKERSDYHTVTLSHAGKVMLKILQARLQQYVNRELPDVQAGFRKG	77
		WK ++FI IPKKGNAKE S+YHTV SHA KVM KILQ RLQQYVNRELPDVQ GFRK	
Sbjct	33	WK-AVFIPIPKKGNAKECSNYHTVVFVTSAAKVMPIKILQGRLQQYVNRELPDVQTGFRKD	91
Query	78	RGTRDQIANILWIIIEKAREFQKSIYFCFTDYAKVFDCLDYNKLWKILKEMGIPAHLICLL	137
		RGT Q AN IIEKAREFQK+IY CF D+AK C+D+ KL K+L MGIP H L	
Sbjct	92	RGTTGQTANT-CIIEKAREFQKNIYICFIDHAKALHCVDHKKLRKLLIGMGIPDHFTYHL	150
Query	138	RNLYAGQEATVRTGHGTTDCFQIGKG	163
		R+LYA Q+ATVRTGHGTTD +I KG	
Sbjct	151	RSLYACQQATVRTGHGTTDGSKIRKG	176

(C) pDp2- nucleotide position, 135-245

AA53484.1- endonuclease reverse transcriptase [*Bos taurus*]
Length=1272, Score = 43.5 bits (101), Expect = 0.009, Method: Compositional matrix adjust. Identities = 19/25 (76%), Positives = 19/25 (76%), Gaps = 0/25 (0%)

Query	1	MLIAALFIIAKTWKQPGCSLEGEWI	25
		M IAAALFIIAKTWKQP C EWI	
Sbjct	1193	MFIAALFIIAKTWKQPRCPSADEWI	1217

(D) pDp4- nucleotide position, 81-215

XP_001198853.1- PREDICTED: similar to endonuclease-reverse transcriptase [*Strongylocentrotus purpuratus*], Length=1030, Score = 36.6 bits (83), Expect = 0.84, Method: Compositional matrix adjust. Identities = 16/30 (53%), Positives = 21/30 (70%), Gaps = 0/30 (0%)

Query	1	MSSIKDRNGMDLTEAEDIKKRWQEYTEELY	30
		M S+K + G LTE ++KKRW+E EELY	
Sbjct	466	MQSVKSKTGRRTLTEISEVKKRWKENYEELY	495