

(a)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10
APUM23	SEVLQ	SHVAE	SHVLR	SLVLC	SHIVE	NFVIC	VVAST	CLILQ	ARVIE	SFTVE
ChPUM2	SEVLE	SHVVE	SHVLR	AEAMR	SHVVE	NFVVQ	VVAAT	SVILQ	SRVLE	SHEVE

(b)

	N1	N2	N3	C1	C2	C3	C4	C5	C6	C7	C8
APUM24	SRVLQ	VHFIQ	SI VVE	VDIIA	HKLLI	SRIAM	SMVLA	RRPLL	IVRRQ	LYEAT	ILFKK
ChPUM3	SRVIC	HFTVN	SSVIE	KDIMA	HRVIS	AFVGS	HLIIM	KEVLL	ELRRI	LKETI	VIWRT

Figure S2. Alignment of five RNA recognition residues in each Pumilio repeat from nucleolar APUMs and ChPUMs. Five residues of each Pumilio repeat in APUM23 and APUM24 known as classically important for RNA recognition are aligned with those of their homologous ChPUMs, namely, ChPUM2 and ChPUM3, respectively.