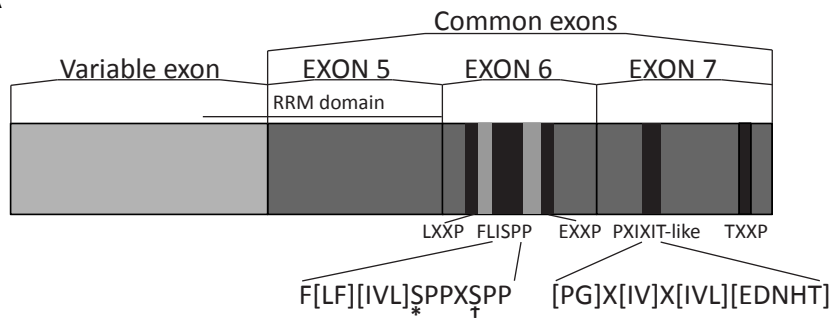


Figure S3

A



B

	hRCAN1-1	hRCAN1-4	hRCAN2-3	hRCAN2-4	hRCAN3
hRCAN1-1	100%	-	-	-	-
hRCAN1-4	100%	100%	-	-	-
hRCAN2-3	65%	65%	100%	-	-
hRCAN2-4	65%	65%	100%	100%	-
hRCAN3	60%	60%	68%	68%	100%

C

RCAN1-1	1	:	MEDGVAGPQLGAAAAEAAEAEARARPGVTLRPFAPLSGAAEADEGGDWSFIDCE-----M	:	56
RCAN1-4	1	:	-----M	:	1
RCAN2-3	1	:	-----MRGESYFIGMRSPGQGHVPEDGGLFLLCCIDRDWAVTRCFA--EEAFQ	:	47
RCAN2-4	1	:	-----M	:	1
RCAN3-4	1	:	-----MLRDTMKSWNDQSQDLCSLDQEEEEEMIFGENEDDLD	:	37
RCAN1-1	57	:	EEVDLQDLPSATLACHLDPRVFVDGLCRKFESLFRTYDKDITFQYFKSFKRVRINFSNPFSAADARLQL	:	126
RCAN1-4	2	:	HFRNFNYSFSSLTACVANSDFSESETRAKFESLFRTYDKDITFQYFKSFKRVRINFSNPFSAADARLQL	:	71
RCAN2-3	48	:	AITDFNDLPNSLEACNVHQSVFEGEESKEKFEGLFRITYDDCVTFQLFKSFRRVRINFSNPKSAARARIEL	:	117
RCAN2-4	2	:	PAPSMDCDVSTLVACVVDVEVTNQEVKEKFEGLFRITYDDCVTFQLFKSFRRVRINFSNPKSAARARIEL	:	71
RCAN3-4	38	:	EMMDLSDLPTSLFACSVHEAVFEAREQKERFEALFTTYDDQVTFQLFKSFRRVRINFSNPKSAARARIEL	:	107
RCAN1-1	127	:	HKTEFLGKEMKLYFAQTLHIGSS----HLAPPNPDKQFLISPPASPPVGWQKQVEDATPVINYDLLMAISK	:	192
RCAN1-4	72	:	HKTEFLGKEMKLYFAQTLHIGSS----HLAPPNPDKQFLISPPASPPVGWQKQVEDATPVINYDLLMAISK	:	137
RCAN2-3	118	:	HETQFRGKRLKLYFAQVQTPEIDGDKLHLAPPQPAKQFLISPPSSPPVGWQFINDATPVLNYDLLYAVAK	:	187
RCAN2-4	72	:	HETQFRGKRLKLYFAQVQTPEIDGDKLHLAPPQPAKQFLISPPSSPPVGWQFINDATPVLNYDLLYAVAK	:	141
RCAN3-4	108	:	HETDFNGQRLKLYFAQVQMSGEVRDKSYLPPQPVKQFLISPPASPPVGWQKQSEDAMPVINYDLLCAVSK	:	177
RCAN1-1	193	:	LGPGEKYLHAATDTTPSVVVHVCESDQKEEEEEEMERMRRPKKIIQTRRPEYTFIHL-----	:	252
RCAN1-4	138	:	LGPGEKYLHAATDTTPSVVVHVCESDQKEEEEEEMERMRRPKKIIQTRRPEYTFIHL-----	:	197
RCAN2-3	188	:	LGPGEKYLHAGTSTPSVVHVCDSDIEEEEDPKT----SPKPKIIQTRRPGLPESVSN-----	:	243
RCAN2-4	142	:	LGPGEKYLHAGTSTPSVVHVCDSDIEEEEDPKT----SPKPKIIQTRRPGLPESVSN-----	:	197
RCAN3-4	178	:	LGPGEKYLHAGTSTPSVVHVCESETTEEEETK-----NPKQKIAQTRRDPPTAALNEPQTFDCAL	:	241