Α	Q7RTT9 529A4 HUMAN Q9BZD2 529A3_HUMAN	1		59 38
	Q7RTT9 529A4 HUMAN Q9BZD2 529A3_HUMAN	60 39		104 98
	Q7RTT9 S29A4 HUMAN Q9BZD2 S29A3_HUMAN	105 99	VFDMSLTYILVALAAVLLNNVLVERLTLHTRITAGYLLALGPLLFISICD ILNYFESYLAVASTVPSMLCLVANFLLVNRVAVHIRVLASLTVILAIFAVITALVKVDTS ::: : *: *: *: *: *: *: *: *: *: *: *:	154 158
	Q7RTT9 S29A4 HUMAN Q9BZD2 S29A3_HUMAN	155 159	VWLQLFSRDQAYAINLAAVGTVAFGCTVQQSSFYGYTGMLPKRYTQGVMTGESTAGVMIS SWTRGFFAVTIVCMVILSGASTVFSSSIYGMTGSFPMRNSQALLSGGAMGGTVSA * : * : * : . : . : . * : . * : . * : . : .	214 213
	Q7RTT9 529A4 HUMAN Q9BZD2 529A3 HUMAN	215 214	LSRILTKLLLPDERASTLIFFLVSVALELLCFLLHLLVRRSRFVLFYTTRPRDSHRGRPG	274 269
	Q7RTT9 S29A4 HUMAN Q9BZD2 S29A3_HUMAN	275 270	LGRGYGYRVHHDVVAGDVHFEHPAPALAPNESPKDSPAHEVTGSGGAYMRFDVPRPRVQRFSGEEE	334 293
	Q7RTT9 S29A4 HUMAN Q9BZD2 S29A3_HUMAN		SWPTFRALLHRYVVARVIWADMLSIAVTYFITLCLFPGLESEIRHCILGEW HTPPLRPILKKTASLGFCVTYVFFITSLIYPAICTNIESLNKGSGSLWTTKFF *:*::::::::*::::::::::::::::::::::::	386 346
	Q7RTT9 S29A4 HUMAN Q9BZD2 S29A3_HUMAN	387 347	LPILIMAVFNLSDFVGKILAALPVDWRGTHLLACSCLRVVFIPLFILCVYPSGMP IPLITFLLXNFADLCGRQITAWIQVPGPNSKALPGFVLLRTCLIPLFVLCNYQPRVHLKT :*: :*:*: *: *: *: *: *: *: *: *: *: *:	441 406
	Q7RTT9 S29A4 HUMAN Q9BZD2 S29A3_HUMAN	442 407	-ALRHPAWPCIFSLLMGISNGYFGSVPMILAAGKVSPKQRELAGNTMTVSYMSGLTLGSA VVFQSDVYPALLSSLLGLSNGYLSTLALLYGPKIVPRELAEATGVVMSFYVCLGLTLGSA .:: '*:'*:******************************	500 466
	Q7RTT9 S29A4 HUMAN Q9BZD2 S29A3_HUMAN	501 467	. VAYCTYSLTRDAHGSCLHASTANGSILAGL CSTLLVHLI	530 475
	Q99808 S29A1 HUMAN Q7RTT9 S29A4_HUMAN	1		4 60
В	Q99808 S29A1_HUMAN Q7RTT9 S29A4_HUMAN	5 61		64 109
	Q99808 S29A1_HUMAN Q7RTT9 S29A4_HUMAN	65 110		123 148
	Q99808 S29A1_HUMAN Q7RTT9 S29A4_HUMAN	124 149	LITAILVKVQL-DALPFFVITMIKIVLINSFG-AILQGSLFGLAGLLPASYTAPIMSGQG	181 207
	Q99808 S29A1 HUMAN Q7RTT9 S29A4_HUMAN	182 208	LAGFFASVAMICAIASGSELSESAFGYFITACAVIILTIICYLGLPRLEFYRYYQQL	238 264
	Q99808 S29A1_HUMAN Q7RTT9 S29A4_HUMAN	239 265		271 324
	Q99808 S29A1_HUMAN Q7RTT9 S29A4_HUMAN	272 325	NSQPTNESHSIKAILKNISVLAFSVCFIFTITIGMFPAVTVEVKSSIAG FDVPRPRVQRSWPTFRALLLHRYVVARVIWADMLSIAVTYFITLCLFFGLESEIRHCILG . * * * * * * * * * * * * * * * * * * *	320 384
	Q99808 S29A1_HUMAN Q7RTT9 S29A4_HUMAN	321 385		379 435
	Q99808 S29A1_HUMAN Q7RTT9 S29A4_HUMAN	380 436		439 492
	Q99808 S29A1_HUMAN Q7RTT9 S29A4_HUMAN	440 493	LGLALGAVFSFLFRAIVSGLTLGSAVAYCTYSLTRAHGSCLHASTANGSILAGL **:**:.:: :::	456 530
C	Q14542 S29A2 HUMAN Q7RTT9 S29A4 HUMAN	1 1	MARG NGSVGSQRLEEPSVAGTPDPGVVMSFTFDSHQLEEAAEAAQGQGLRARGVPAFTDTTLDE	4 60
	Q14542 S29A2 HUMAN Q7RTT9 S29A4 HUMAN	61 I	DAPRDSYHLVGISFFILGLGTLLPWNFFITAIPYFQARLAGAGNSTARILSTNHTGPEDA PVPDDRYHAIYFAMLLAGVGFLLPYNSFITDVDYLHHKYPGTSIVFDMSLTY	64 112
	Q14542 S29A2_HUMAN Q7RTT9 S29A4_HUMAN	65 I 113 -		122
	Q14542 S29A2_HUMAN Q7RTT9 S29A4_HUMAN	123 I 162 I		182
	Q14542 S29A2 HUMAN Q7RTT9 S29A4 HUMAN	183 A 222 I	ASGVDAETSALGYFITPCVGILMSIVCYLSLPHLKFARYYLANKSSQAQAQ-EL	235 278
	Q14542 S29A2 HUMAN Q7RTT9 S29A4_HUMAN	236 - 279 3	ETKAELLQSDENGIPSSPQKVALTLDLDLEKEPESEPDEPQKPG	279 331
	Q14542 S29A2_HUMAN Q7RTT9 S29A4_HUMAN		KPSVFTVFQKIWLTALCLVLVFTVTLSVFPAITAMVTSSTSPGKWSQFF	328 387
	Q14542 S29A2_HUMAN Q7RTT9 S29A4_HUMAN	329 1 388 -		388 142
	Q14542 S29A2_HUMAN Q7RTT9 S29A4_HUMAN	389 I 443 -		148
		502 I		156 530

Fig S1: Sequence comparison of hEN4 with its paralogs hENT1, 2 and 3. A) hENT4 and hENT3 sequence comparison: Identity - 20.175, Similarity - 165. B) hENT1 and hENT4 sequence comparison: Identity - 19.37, Similarity - 148. C) hENT2 and hENT4 sequence comparison: Identity - 20.035, Similarity - 146. The sequences were obtained and aligned using Uniprot server.