D. japonica GGT1 [EST: Dj_aH_529_E12.double] S. mediterranea GGT1 [GenBank: DN304849.1]

Protein Alignm	ient			Identical rate of amino acids = 69.8% Identical and homologous substitution rate of amino acids = 88.3%			
		20		40		60	
				PSNYIRPYKR PSNFIMPYKR			
GGT_SCHMD M		DEMODESSEN 80	KSNITNLPPS		PMSSMSPIII	120	60
GGT1_DUGJA L	GASGGSRII	SSTLQVAVLA	KL <mark>FN</mark> K <mark>S</mark> IKEA	IDIPRVHHQL	LPNIITVEMN	FPDNIVKSLQ	120
GGT1_SCHMD L	GASGGSKIL	SATTQVSILS	KLLKKTIKEA	IDIPRIHHQL	I PDEVVA EMN	FPDVLVESLR	120
140 I			160 I	-			
	and states		and were able to a second	NADFRKMGLC NADFRKMGLC			

Nucleotide Ali	gnment			Identical rate of nucleotides = 72.8%				
		20		40		60		
_	ATGGGAAATG Atgggaacca							
		80 I		100 I		120 		
	AAAGCAAATA AAATCAAACA							
		140		160		180 I		
	CCGATGTCGT CCAATGTCAT							
0011_001110		200		220	A COMPANY OF	240		
	CTTGG <mark>T</mark> GCTT CTTGGAGCTT							
		260 I		280		300		
	AAATTGTTCA AAATTGTTGA							
		320 I		340 I		360 I		
	TTGCCTAATA ATTCCAGATG							
		380 I		400 I		420 I		
	AAAAGAGGTC CAAAAAGGTC	A REAL PROPERTY AND A REAL PROPERTY AND A	ALL AND ALL ALL ALL ALL ALL ALL ALL ALL ALL AL			ACTA ACTA ACTA		
-		440 I		460 1		480 1		
	T CAGAAAATT T CTTTGGATT	- ALL ALL - DOL AND ALL - DOL						
-								
COTI DUCIA I	CATCOTTOAT	A A 400						

GGT1_DUGJA-1 GATGGTTCAT AA 489 GGT1_SCHMD-1 GATGGATTTT GA 492