

**Table S9.** Amino acid comparisons between DIA1L and DIA1 proteins.

Species	Protein	<i>S. purpuratus</i>		<i>B. floridae</i>			
		DIA1L	DIA1	DIA1La	DIA1Lb	DIA1Lc	DIA1
<i>S. purpuratus</i>	DIA1L	-	15%	18%	21%	16%	17%
	DIA1	42%	-	16%	19%	20%	38%
<i>B. floridae</i>	DIA1La	49%	49%	-	24%	22%	19%
	DIA1Lb	52%	46%	58%	-	17%	19%
	DIA1Lc	62%	54%	54%	54%	-	21%
	DIA1	43%	73%	53%	49%	56%	-

Note: dash indicates 100% amino acid identity, as determined by pair-wise CLUSTALW analyses [47]. Amino acid identity values are above the dashed diagonal 'line'. Amino acid similarity values are below the dashed 'line'.