

A.

<i>St</i> TAS14-like	1	MAQYGNQDQMRKTDEYGNHVQETGTHQGTGMGGMQAGTGMMG-----GM	45
<i>At</i> RAB18	1	MASYQNRPGGQATDEYGNPIQQQYDEYGNPMGGGGYGTGGGGGATGGQGY	50
	46	GTGGMGGTDDGGYGTRTG-MGMGMGTGTH-----HHEGQQQLRR----	83
	51	GTGGQGYGSGGQGYGTGGQGYGTGTGTEGFGTGGGARHHGQEQ LHKESGG	100
	84	-----SDSSSSSEDDGEGGRFKKGMKEKIMEKMPGGGHGQQEGQT	123
	101	GLGGM LHRSGSGSSSSSEDDGQGGRFKKGITQKIKEKLPG--HHDQSGQA	148
	124	TGEGAG-----EKKGMMDKIKDKIPGMH-	145
	101	QAMGGMGSGYDAGGYGGEHHEKKGMMDKIKEKLPGGGR	186

B.

<i>St</i> TAS14-like	1	MAQYGNQDQMRKTDEYGNHVQETGTHQGTGMGGMQAGTGMMGGMGTGGM	50
<i>Sl</i> TAS14	1	MAQYGNQDQMRKTDEYGNHVQETGVYQGTGTGMMGGTG-----TGMM	44
	51	GGTDGGYGTRTGMGMGMGTGTHHHEGQQQLRRSDSSSSSEDDGEGGRFKK	100
	45	GGTGGEYGTQG-----MGTGTHHHEGQQQLRRSDSSSSSEDDGEGGRFKK	89
	101	GMKEKIMEKMPGGGHGQQEGQTTGEGAGEKKGMMDKIKDKIPGMH	145
	90	GLKEKIMEKMPGQHEG-EYGQTTGE---EKKGMMDKIKDKIPGMH	130

Supplementary Figure 4. Alignment of TAS14 like

Sequence alignment for *St* TAS14 and *At* RAB18 (A), *Sl* TAS14 (B).

Green boxes indicate the S-segment, and blue boxes indicate the K-segment derived DHN domain of *At* RAB18.