

Your query is:

MKCIAVFVVVILALAHASESDREEAERYHLECCQKDPASRIGEGAGPNSFAAHTLCVGVKMGTFKPNGDVDVEGLRKF
LIRTGVDPLKIDRIVHECSKRNGVTAVEAAMGMMGCLAKWTAT

Potential transmembrane segments

Start	Stop	Length	~	Cutoff
5	15	11	~	2.2
5	16	12	~	1.7
54	56	3	~	1.7

The DAS curve for your query:

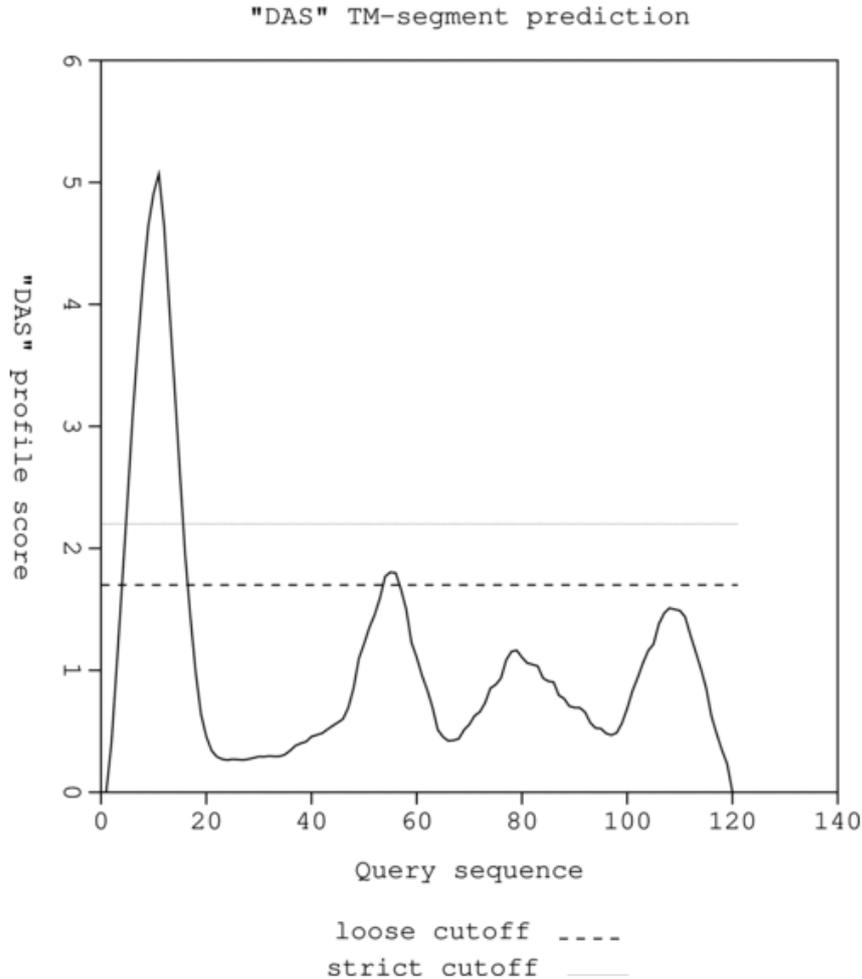


Figure S2. The predicted transmembrane regions of *L. decemlineata* OBP (LdOBP) by the Dense Alignment Surface method (DAS) [43]. These curves are obtained by pairwise comparison of the proteins in the test set in "each against the rest" fashion. There are two cutoffs indicated on the plots: a "strict" one at 2.2 DAS score, and a "loose" one at 1.7. The hit at 2.2 is informative in terms of the number of matching segments, while a hit at 1.7 gives the actual location of the transmembrane segment. The segments reported in the "FT" records of the SwissProt database are marked at 1.0 DAS score ("FT lines").

Supplementary references:

42. Geourjon, C.; Deléage, G.; SOPMA: Significant improvement in protein secondary structure prediction by consensus prediction from multiple alignments. *Cabios* **1995**, *11*, 681-684.
43. Cserzo, M.; Wallin, E.; Simon, I.; von Heijne, G.; Elofsson, A. Prediction of transmembrane alpha-helices in procariotic membrane proteins: the Dense Alignment Surface method. *Prot Eng* **1997**, *10*, 673-676.