

Additional file 6. Sequence and hydrophobicity conservation among *Aedes aegypti* vitelline membrane proteins. A) Full length protein sequences were submitted to MEME <http://meme.nbcr.net/meme/cgi-bin/meme.cgi> and a conserved motif 30 amino acids in length was discovered. B) Multiple alignment of the sequence motif constructed at PRALINE <http://www.ibi.vu.nl/programs/pralinewww/> provides additional support for the conservation. C) The hydrophobicity patterns of the six vitelline membrane proteins were predicted at <http://web.expasy.org/cgi-bin/protscale/protscale.pl> using the Hphob. / Kyte & Doolittle option. Bars were inserted in the graphs to indicate the positions of the conserved motif displayed in A and B.

A



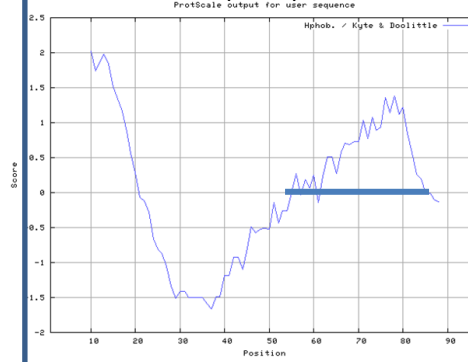
B

Unconserved 0 1 2 3 4 5 6 7 8 9 10 Conserved

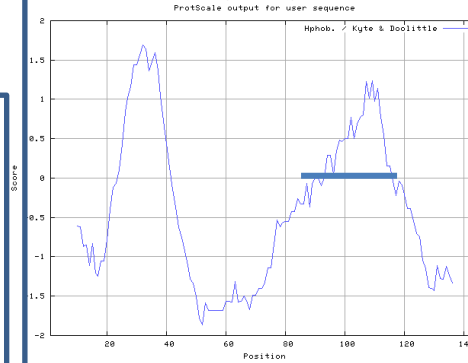
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
AAEL013027	T	Y	P	-	V	H	A	P	H	A	K	C	G	A	N	L	L	V	G	C	A	P	S	V	A	H	V	P	C	V
AAEL006670	T	Y	P	-	V	H	A	P	H	A	K	C	G	A	N	L	L	V	G	C	A	P	S	V	A	H	V	P	C	L
AAEL014561	T	Y	P	-	V	H	A	P	H	A	K	C	G	A	N	L	L	V	G	C	A	P	S	V	A	H	A	P	C	V
AAEL017403	T	Y	P	-	V	K	A	P	A	A	K	C	G	A	N	L	L	V	G	C	A	P	S	V	A	H	V	P	C	V
AAEL017501	A	P	V	V	H	H	A	T	A	K	C	G	A	N	V	L	V	G	C	A	P	E	V	A	K	V	P	C	I	
AAEL017471	T	F	P	-	V	K	L	P	E	V	K	C	G	H	Q	L	L	I	K	C	N	P	H	H	A	V	V	P	C	K
Consistency	6	6	0	*	6	5	7	4	8	*	*	*	*	7	8	8	*9	7	*	7	6	7	5	8	*	*	6			

C

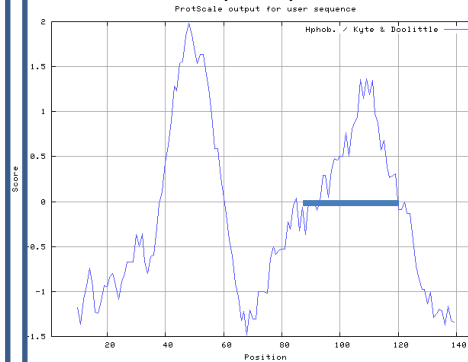
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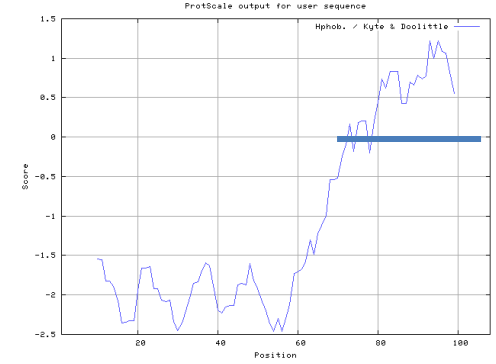
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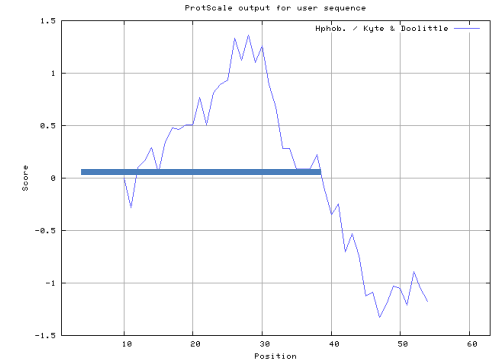
AAEL013027 (15a1)



AAEL017501



AAEL006670



AAEL017471

