

**Table S2.** Conserved motif for the protein of the *MiLAC*

<b>Motif type</b>	<b>Conserved motif</b>	<b>Motif length</b>
<b>Motif1</b>	PWSDGPEYITQCPIQPGQNFTYEFILSGZEGTLWWHAHSDW	41
<b>Motif2</b>	WAAIRFFABNPGVWFMHCHLERHATWGMD	29
<b>Motif3</b>	GKTYLLRJINAAMNEELFFGIANHNLTVVVGQDAAYVKPFTTDYILITPGQ	50
<b>Motif4</b>	LCSTKSILTVNGQFPGPTJYARKGDTVFNVINQGNYNVTIHWGVRQPR	50
<b>Motif5</b>	INQALQTGGAPNVSDAYTINGQPGDLYNCSSDDTYRLKVEY	41
<b>Motif6</b>	ESHMHLHGFSFYVVGTFGFGNFNNETDPL	29
<b>Motif7</b>	GKSYPPPKPYKEVTIILGEWWKADVEA	27
<b>Motif8</b>	GTKVRVJNYGETVEJVLQGTN MEME	21
<b>Motif9</b>	CDGPNGTRFAASJNNVSFVTP	21
<b>Motif10</b>	YNLVDPPERNTINVP	15