

Supplementary Materials for
Co-formulation of recombinant porcine IL-18 enhances the on-set of immune response in a new
Lawsonia intracellularis vaccine.

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Table S1: Results obtained from the search for the most suitable templates for constructing the models by homology for IL-18.

Template	Seq Identity (%)	Found by	Method	Resolution (Å)	Seq Similarity	Coverage	Description
3wo2.3.A	75.80	HHblits	X-ray	2.33	0.54	1.00	Interleukin-18
4xfs.1.A	74.52	HHblits	X-ray	1.91	0.53	1.00	Interleukin-18
3wo2.4.A	75.80	HHblits	X-ray	2.33	0.54	1.00	Interleukin-18
3wo3.4.A	75.80	HHblits	X-ray	3.10	0.54	1.00	Interleukin-18
4xft.1.A	75.16	HHblits	X-ray	2.00	0.53	1.00	Interleukin-18
4ekx.1.C	72.61	HHblits	X-ray	1.75	0.52	1.00	Interleukin-18
4eee.1.B	72.61	HHblits	X-ray	2.71	0.52	1.00	Interleukin-18
4xfu.2.A	74.52	HHblits	X-ray	2.85	0.53	1.00	Interleukin-18
4xfu.1.A	74.52	HHblits	X-ray	2.85	0.53	1.00	Interleukin-18
4ekx.1.B	72.61	HHblits	X-ray	1.75	0.52	1.00	Interleukin-18
1j0s.1.A	75.80	HHblits	NMR	NA	0.54	1.00	Interleukin-18
1iob.1.A	17.39	HHblits	NMR	2.00	0.29	0.88	Interleukin-1 BETA
9ilb.1.A	17.39	HHblits	X-ray	2.28	0.29	0.88	Human Interleukin-1 BETA
6ilb.1.A	17.39	HHblits	NMR	NA	0.29	0.88	Interleukin-1 BETA
1itb.1.A	17.39	HHblits	X-ray	2.50	0.29	0.88	Interleukin-1 BETA
7ilb.1.A	17.39	HHblits	NMR	NA	0.29	0.88	Interleukin-1 BETA
2kh2.1.A	17.39	HHblits	NMR	NA	0.29	0.88	Interleukin-1 beta
5mvz.1.C	17.39	HHblits	X-ray	2.15	0.29	0.88	Interleukin-1 beta
5mvz.2.C	17.39	HHblits	X-ray	2.15	0.29	0.88	Interleukin-1 beta

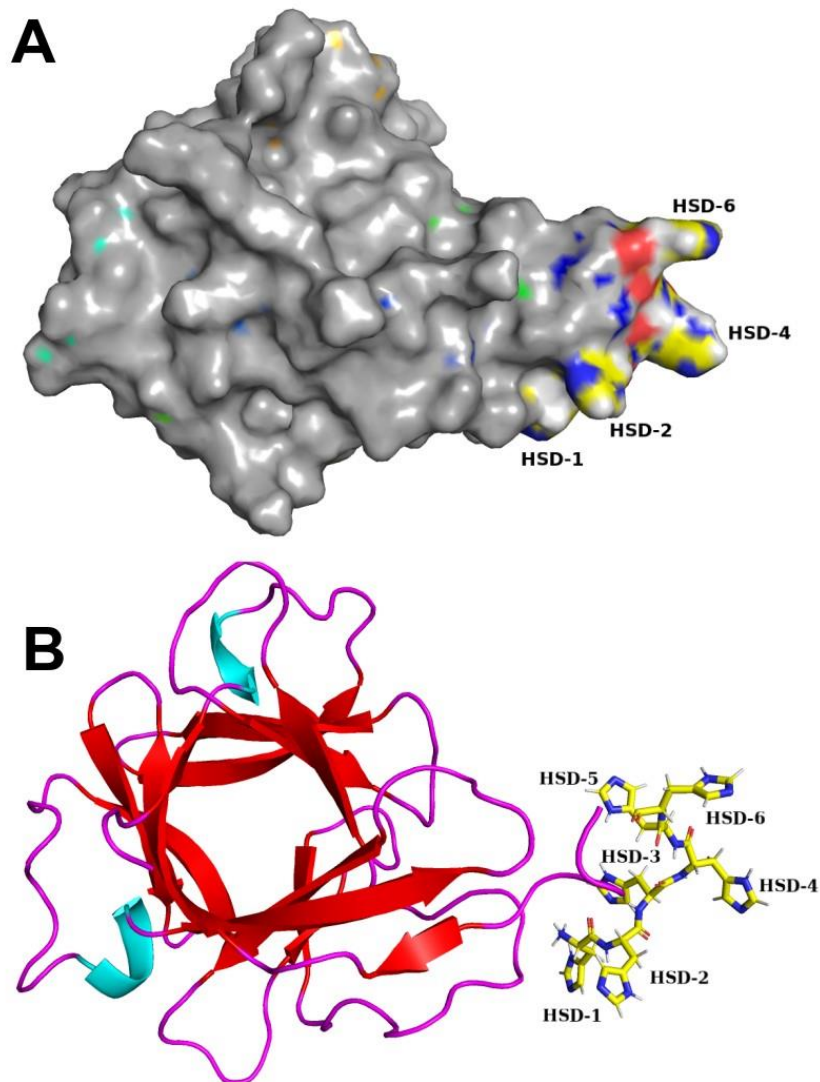


Figure S1. Homology Modelling of the Histidine Tail of IL-18. Modelling the IL-18 with the His-tag showed full exposure of only 3 histidine, the partial exposure of 1 histidine and the other 2 were hidden. (A) Surface model, (B) Cartoon model.