**The interplay of the TLR-NFκB signalling pathway and functional enzymes in the LPS inflammatory response of *Ciona robusta***

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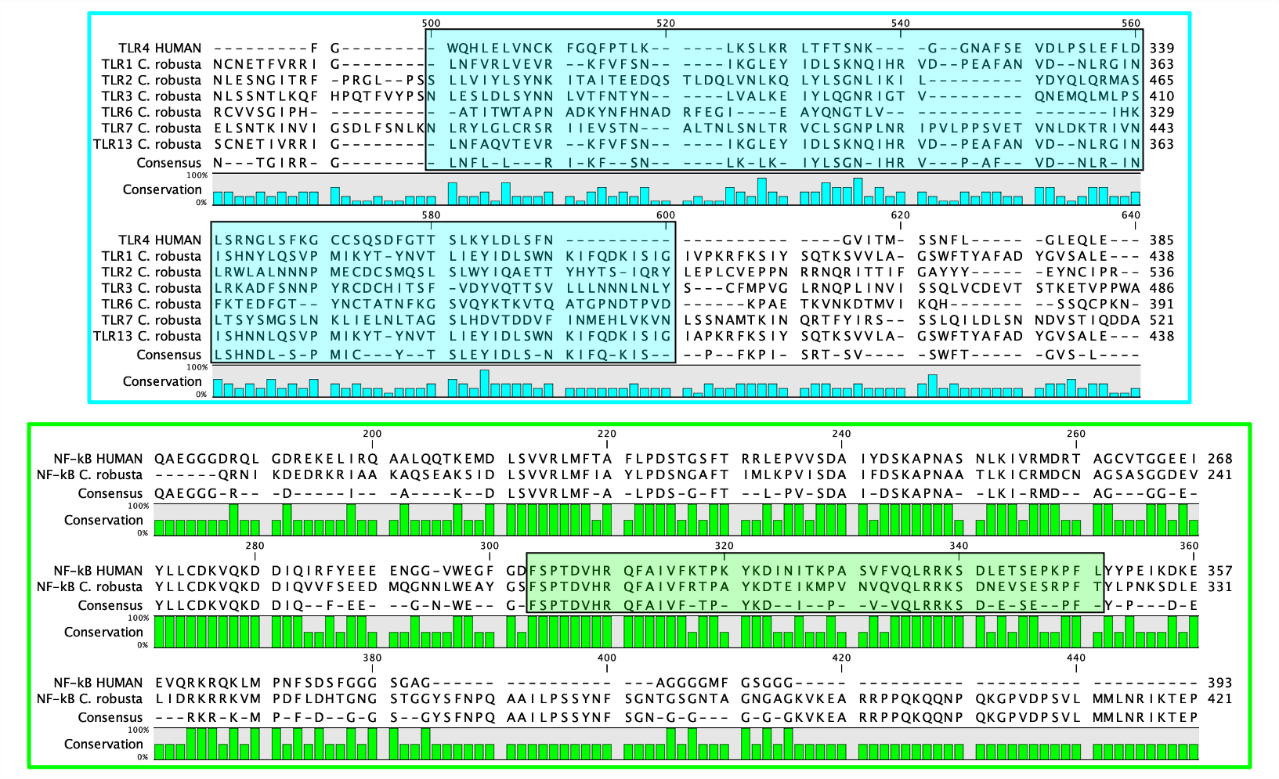
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**Supplementary materials**

**Figure**

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**Figure S1** The sequences of human TLR4 and NFκB used for alignment with *C. robusta* deposited sequences for systematic and comprehensive identification of antigen binding sites. The consensus contained in the coloured box improves the understanding of antigenic interactions that determine cross-reactions in the immunoblotting assays performed using *C. robusta* wall-body extracts. The references and accession numbers of the sequences used in the alignment are reported in supplementary Table S1.

**Table**

|  |  |  |
| --- | --- | --- |
| **Species** | **Protein** | **Accession number** |
| *Homo sapiens* | Toll-like Receptor 4 (TLR4) | UniProtKB O00206 |
| *Ciona robusta* | Toll-like Receptor 1 (TLR1) | GenBank NP\_001159599.2 |
| *Ciona robusta* | Toll-like Receptor 2 (TLR2) | GenBank NP\_001159600.1 |
| *Ciona robusta* | Toll-like Receptor 3 (TLR3) | GenBank XP\_002120237.1 |
| *Ciona robusta* | Toll-like Receptor 6 (TLR6) | GenBank XP\_002130253.1 |
| *Ciona robusta* | Toll-like Receptor 7 (TLR7) | GenBank NP\_001231972.1 |
| *Ciona robusta* | Toll-like Receptor 13 (TLR13) | GenBank XP\_002120520.2 |
| *Homo sapiens* | Nuclear Factor kappa B (NFκB) | UniProtKB P19838 |
| *Ciona robusta* | Nuclear Factor kappa B (NFκB) | GenBank NP\_001071772.1 |

**Table S1** References and accession numbers of the sequences used for the sequence alignment of *C. robusta* with the antigenic epitopes of the antibodies employed in the immunoblotting assay.