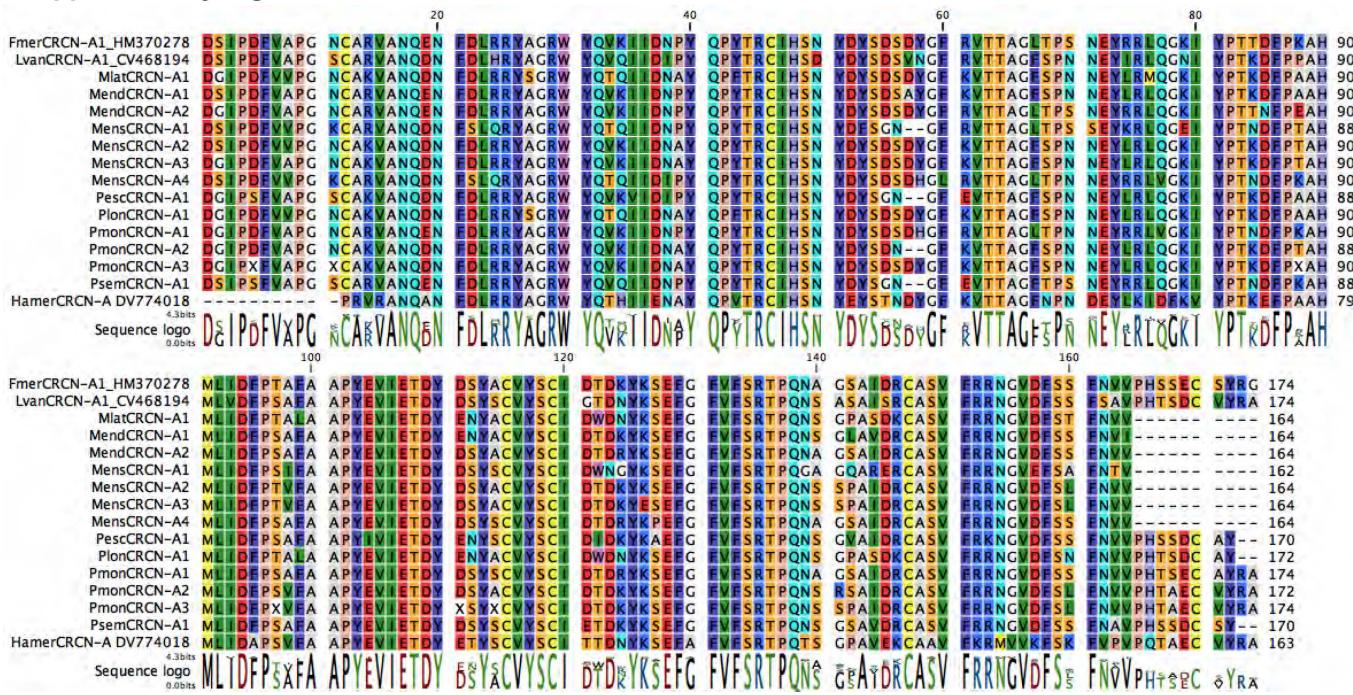


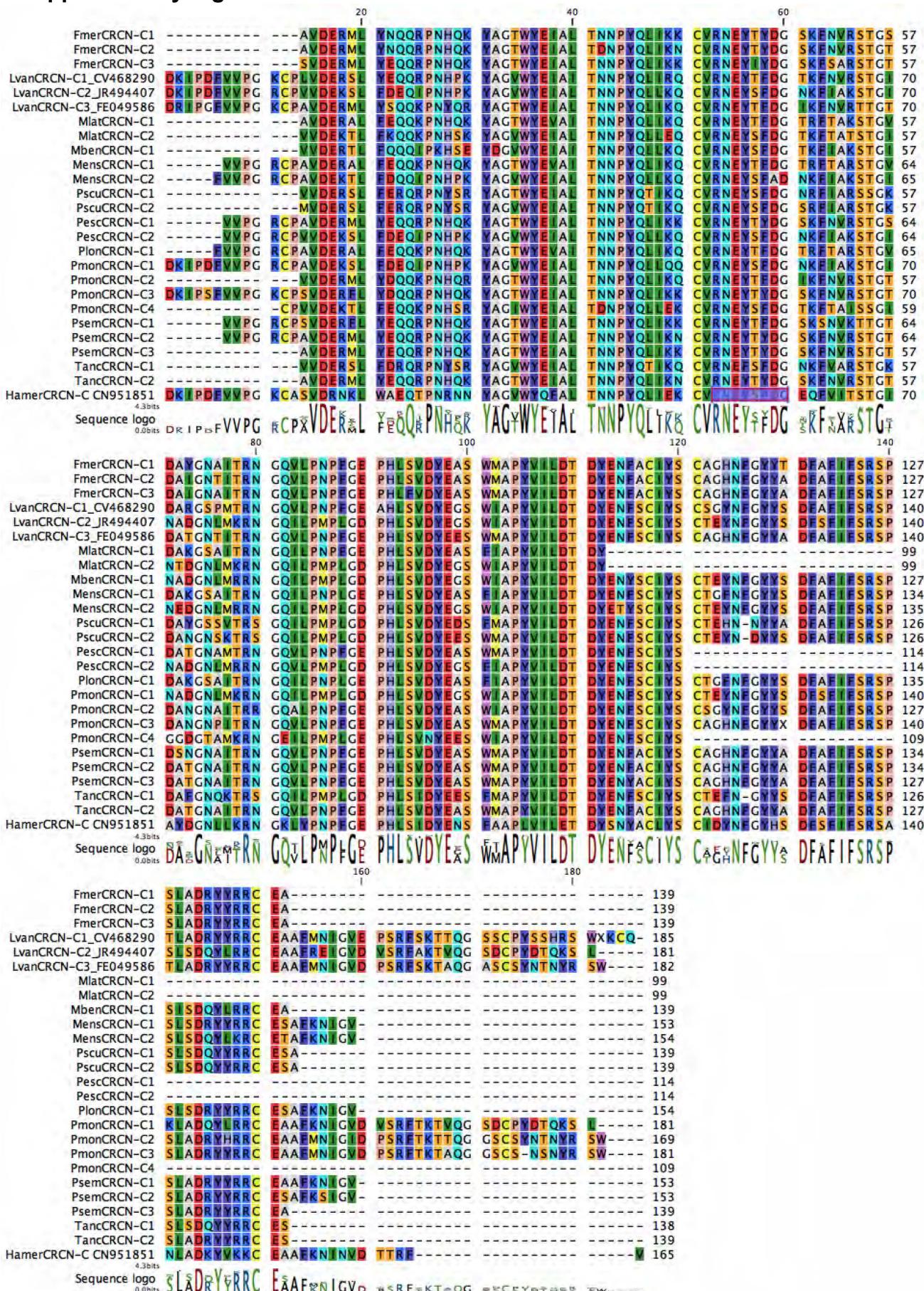
## Supplementary Figure 1

**Fig. S1. Pairwise comparisons of each isoform identified in this study.** Below the diagonal line is nucleotide similarity (%) and above the line is amino acid similarity (%). Nucleotide similarity is highlighted as three colours: high (blue), intermediate (white) or low (red) while protein similarity is highlighted as: high (yellow), intermediate (white), low (green).

**Supplementary Figure 2**

**Fig. S2. Amino acid alignment of identified *P. monodon* CRCN-A isoforms with the clawed lobster CRCN-A sequence.** Only coding sequence is shown, and the known signal peptide at the beginning of the protein has been removed. Gene abbreviations are shown in Table 3, and Genbank accession numbers shown for existing CRCN sequences. Each amino acid is displayed as single letter code and background coloured using rasmol colors. The sequence logo is a visualization tool of conserved regions, with larger sized letters indicative of the level of conservation of that residue across species.

## Supplementary Figure 3



**Fig. S3. Amino acid alignment of identified *P. monodon* CRCN-C isoforms with the clawed lobster CRCN-C sequence.** Only coding sequence is shown, and the known signal peptide at the beginning of the protein has been removed. Gene abbreviations are shown in Table 3, and Genbank accession numbers shown for existing CRCN sequences. Each amino acid is displayed as single letter code and background coloured using rasmol colors. The sequence logo is a visualisation tool of conserved regions, with larger sized letters indicative of the level of conservation of that residue across species.

**Table S1. Average uncooked RGB colour values of prawns injected with different dsRNA constructs and measured over time (days).** Increasing values are shown as darker red, green or blue colours, respectively. Summary statistics from 2-way ANOVA analysis demonstrate the effect of time, injection or the interaction of both. Significant P values are marked in bold for the comparison of values over time (below) or across treatments (right).

Average R Value					P value (Injection)		
Injection	Luc	CRCN-A	CRCN-C1	CRCN-C2	Luc vs CRCN-A	Luc vs CRCN-C1	Luc vs CRCN-C2
Day 0	64.8	58.3	64.7	54.8	0.35	0.99	0.15
Day 2	53.7	85.8	79.0	97.1	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Day 4	59.7	100.6	86.4	113.6	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Day 7	56.2	91.4	79.4	119.1	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<i>P value (Time)</i>					Summary Statistics		
0 vs 2	0.11	<b>0.00</b>	0.04	<b>0.00</b>	F		
0 vs 4	0.46	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	Time (T)		
0 vs 7	0.21	<b>0.00</b>	0.04	<b>0.00</b>	Injection (I)		
					T x I		
Average G Value					P value (Injection)		
Injection	Luc	CRCN-A	CRCN-C1	CRCN-C2	Luc vs CRCN-A	Luc vs CRCN-C1	Luc vs CRCN-C2
Day 0	70.3	63.0	69.0	64.2	0.10	0.77	0.17
Day 2	65.9	70.1	74.4	74.6	0.34	0.06	0.05
Day 4	70.3	76.8	78.4	87.6	0.14	0.07	<b>0.00</b>
Day 7	72.6	74.2	75.2	92.3	0.71	0.56	<b>0.00</b>
<i>P value (Time)</i>					Summary Statistics		
0 vs 2	0.33	<b>0.11</b>	0.22	<b>0.02</b>	F		
0 vs 4	0.99	<b>0.00</b>	<b>0.04</b>	<b>0.00</b>	Time (T)		
0 vs 7	0.60	<b>0.01</b>	0.17	<b>0.00</b>	Injection (I)		
					T x I		
Average B Value					P value (Injection)		
Injection	Luc	CRCN-A	CRCN-C1	CRCN-C2	Luc vs CRCN-A	Luc vs CRCN-C1	Luc vs CRCN-C2
Day 0	55.4	48.1	53.7	51.4	0.03	0.61	0.24
Day 2	54.5	46.6	56.0	49.1	<b>0.02</b>	0.66	0.11
Day 4	58.5	53.0	58.6	60.8	0.11	0.97	0.48
Day 7	63.5	52.6	57.0	65.8	<b>0.00</b>	0.06	0.50
<i>P value (Time)</i>					Summary Statistics		
0 vs 2	0.81	0.65	0.49	0.50	F		
0 vs 4	0.36	0.15	0.15	<b>0.01</b>	Time (T)		
0 vs 7	0.02	0.18	0.33	<b>0.00</b>	Injection (I)		
					T x I		