

Supplemental Information

MicroRNA-148 as a negative regulator for the common TLR adaptor mediated inflammatory response in teleost fish

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Contributed equally.

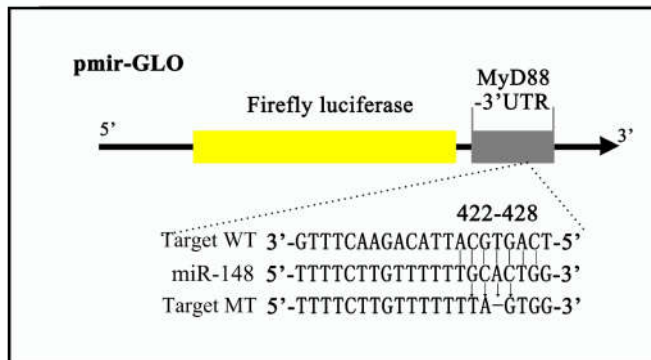
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Running title: microRNA-148 and Myd88 modulate NF- κ B pathway

Supplemental Figure 1

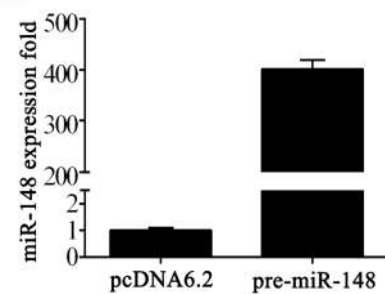
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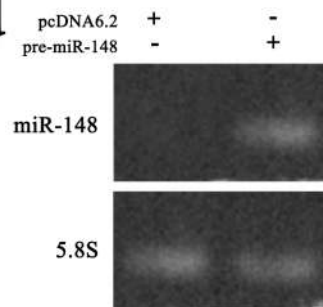
b



c

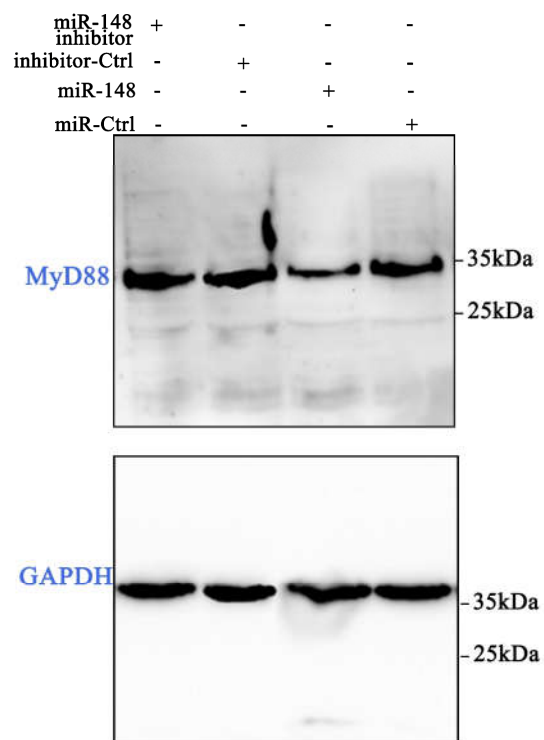


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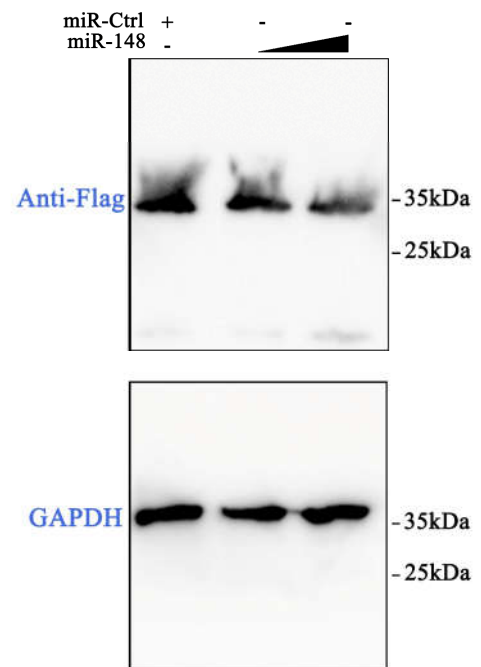


Supplemental Figure 2

a



b



Supplemental Table 1

Primers	Sequences (5'-3')
Real-time PCR	
miR-148-qRT-F	GCAGTCAGTGCATTACAGA
miR-148-qRT-R	TCCAGTTTTTTTTTTTTTTTCAAAGTTC
5.8S rRNA-qRT-F	AACCTCTTAGCGGTGGATCA
5.8S rRNA-qRT-R	GTTTTTTTTTTTTTTTGCCGAGTG
MyD88-qRT-F	AGTTGGAACAGACCGAGTA
MyD88-qRT-R	TGAGGAAGCGTAAGATGC
IL6-qRT-F	GCGGTAAAGGCATGGATAT
IL6-qRT-R	GTTGTAGTTGGAAGGGCAG
IL1 β -qRT-F	CATAAGGATGGGGACAACGAG
IL1 β -qRT-R	TAGGGGACGGACACAAGGGTA
β -actin-qRT-F	GAGCCGCACGCTTCTTT
β -actin-qRT-R	CTGCTGTAGCCGAGGAC
Vector construction	
pre-miR-148-F	CGCGGATCCGATAAGGTCCCACACAAG
pre-miR-148-R	CCGCTCGAGTGAACGCAAGGTTACAGC
MyD88-3'UTR-WT-F	CTAGCTAGCCATTGCCCAAACATTACAGG
MyD88-3'UTR-WT-R	ACGCGTCGACCGAGGGATGCACATTCCGAT
MyD88-3'UTR-MT-F	TTTGCAACGCCACTTCCTCTTGTGAGTCAACT
MyD88-3'UTR-MT-R	GGAAGTGGCGTTGCAAAAAACAAGAAAAAAAAAACA
MyD88-F	CGGGGTACCATGGCGTGTTGCGATAAATC
MyD88-R	CCGGAATTCGAGGGATGCACATTCCGATA
GFP-MyD88-3'UTR-F	CCCAAGCTTGCTAGCATTGCCCAAACATTACAGG
GFP-MyD88-3'UTR-R	CGCGGATCCCGAGGGATGCACATTCCGAT

Supplemental Figure Legends

Supplemental Figure 1. (a) Sequence alignment of miR-148 and the construction of luciferase report plasmids. (b) Sequence alignment of pre-miR-148 and its construction plasmids. (c) Pre-miR-148 and pcDNA6.2 plasmids was transfected into HEK293 cells. 24 h post-transfection, qPCR was conducted to detect miR-148. (d) 24 h post-transfection, RT-PCR was conducted to detect miR-148.

Supplemental Figure 2. Un-cropped blots from main figures. (a) MyD88 and GAPDH blots from Western blot from Fig. 4a. (b) Flag and GAPDH blots from Western blot from Fig. 4c.

Supplemental Table 1. PCR primer information in this study.