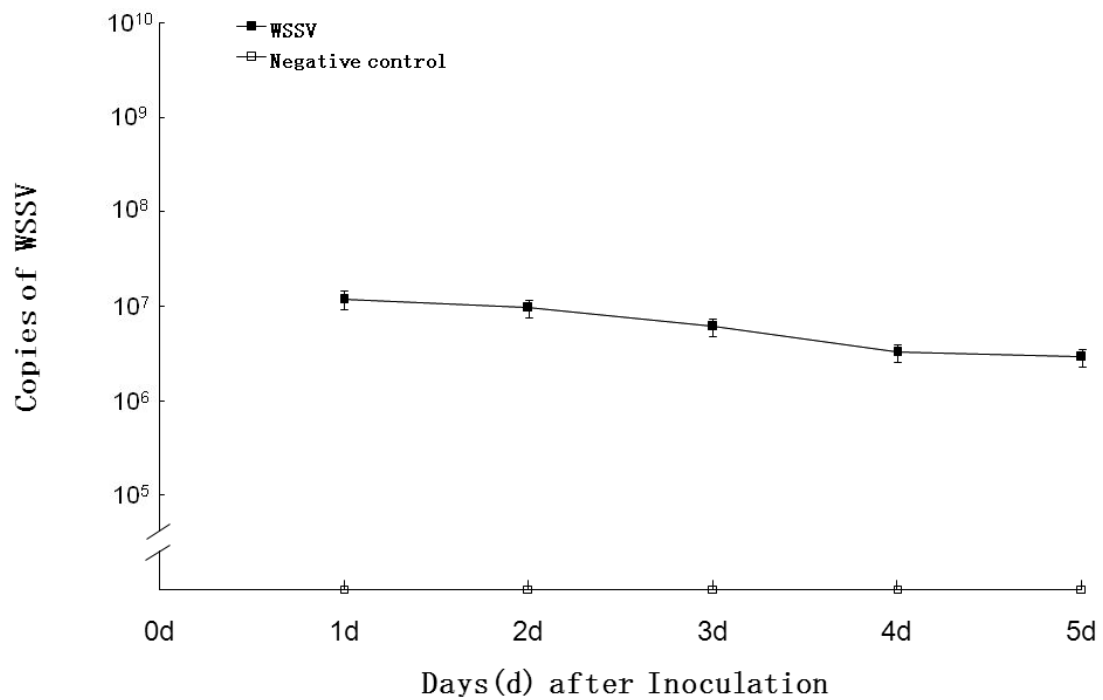


# The Wnt signaling pathway is involved in the regulation of phagocytosis of virus in *Drosophila*

Fei Zhu<sup>1,2</sup>, Xiaobo Zhang<sup>1\*</sup>

## Supplementary Information

**Figure S1** | WSSV quantitative analysis at 1–5 days after WSSV inoculation of S2 cells by TaqMan real-time PCR.



**Table S1.** Gene expression profiles of the Wnt pathway.

Gene (GenBank accession number)	Inactivated	Non-inactivated	Inactivated
	DCV	DCV	WSSV
Dally (AAF50358)	2.23	2.41	2.21
Fz2 (AAF49184)	0.44	0.43	0.41
Daam (AAF45600)	2.17	2.15	2.23
NimC1 (AAF53364)	0.03	0.03	0.10
NimC2 (AAF53366)	0.34	0.41	0.33
Bsk (AAF52883)	1.77	1.81	1.69
Tws (AAF54498)	1.06	1.01	0.98
Dsh (AAF48033)	0.86	0.82	0.93
Arm (AAF45687)	0.74	0.75	0.95
Sgg (AAF45801)	1.00	1.00	1.54
Rho1 (AAF58066)	1.74	1.73	1.52
Wnt2 (AAF58933)	0.95	0.91	0.99
Nkd (AAF49198)	4.80	4.23	0.54
Axn (AAF56993)	1.34	1.28	0.73
Apc (AAB41404)	1.49	1.51	0.64
Pan (AAF59371)	0.62	0.78	0.94
Gro (AAF56557)	1.14	1.08	0.48
Pygo (AAF57161)	1.06	1.07	0.82

Notes:

1) The gene expression levels were compared with that of control (S2 cells without any treatment). The control's was designated as 1.

2) Apc, adenomatous polyposis coli; Arm, Armadillo; Axn, D-axin; Bsk, Jun kinase; DAAM, Dishevelled Associated Activator of Morphogenesis; Dsh, Dishevelled; Fz, Frizzled; Gro, Groucho; Nkd, Naked; pan, pangolin; Pygo, pygopus; Rho1, Rho GTPase 1; Sgg, Glycogen Synthase Kinase 3; Tws, twins.

**Table S2.** Sequences of primers and TaqMan probes used for quantitative real-time PCR.

<b>Gene</b>	<b>Forward primer (5'-3')</b>	<b>Reverse primer (5'-3')</b>	<b>TaqMan probe (5'-3')</b>
Rp49	ccgcttcaagggacagtatctg	cacgttgtgcaccaggaactt	ggcagcatgtggcgggtgcgctt
DAAM	agtcgccagtccatgatccc	gctcgtcagcccgctttcg	ttcctccttgaccagcagacgcaca
arm	gtatccgccaaggagcagac	ggtgtccaggtcgaacataagt	cctccatctcctcgtcctccttgcc
sgg	tacaagaggtctcctatacagaca	ttttgattgccaccagttcgc	ttgcctggaacacgacgccgaagc
fz2	tgtggtcgggactgtgctt	tttcggtgtc gatgatgaatg	tgcagcacgctcatgaccctaac
dally	ctgcggcacctccaaca	cgctccatactcctcctcat	gcgacgcacgacatccagaatg
dsh	caccatactgccttgettca	atgccaattcacactactg	tcttggtggtctccgccga
Amph	ggtetgaatgcgagtgccaag	tgctccctcagttccgatgg	caaccacaaccacgcagacatcgcc
Glt	ctgagcaactacatcctgtatcgtg	agcgaggcatctactccgaag	cagtcagtcataccgctccgtgccg
htl	ccagtcactcaacgatcacaatg	ttcgtgatggctgggtcttg	cgctggtagtgctcttctgttgct
insc	ccagcgaggaggaggaagtg	tgtgaaacgaaggatctgactc	caccaccaccaccgccgccgta
Mmp1	agttcagtggtcatagtcgtaggc	aggcccgctggctcgtgtag	atggcagcggctcaatcggcacc
Myo31DF	accttcggcaacgcaaagac	tcgagcagatagttggtgatgat	aaccgcaacgacaactccagccgc
prc	ccatccagatacggcagtcac	taccagggagtcgccttattg	tccgtatcctggtgtccgcctccg

Rp49, Ribosomal protein 49; DAAM, Dishevelled associated activator of morphogenesis; arm, Armadillo; sgg, Shaggy; fz2, Frizzled 2; dsh, Dishevelled; Amph, Amphiphysin; Glt, glutactin; htl, Heartless; insc, Inscutable; Mmp1, Matrix metalloproteinase 1; Myo31DF, Myosin 31DF; prc, Pericardin. TaqMan probes were labeled with FAM at the 5' end and Eclipse at the 3' end.