

Table S1. Different species TLRs sequences

<i>Homo sapiens</i>		<i>Mus musculus</i>		<i>Bombyx mori</i>		<i>Musca domestica</i>		<i>Acyrtosiphon pisum</i>		<i>Drosophila melanogaster</i>		<i>Apis mellifera</i>	
Gene name	Gene ID	Gene name	Gene ID	Gene name	Gene ID	Gene name	Gene ID	Gene name	Gene ID	Gene name	Gene ID	Gene name	Gene ID
<i>HsTLR1</i>	NP_003254	<i>MmTLR1</i>	NP_109607	<i>BmTLR3</i>	XP_012549875_1	<i>MdTLR1</i>	.01900185	<i>ApTOLL8</i>	XP_001948566_1	<i>DmTOLL1</i>	AAA28941	<i>AmTOLL</i>	XP_006562783_1
<i>HsTLR2</i>	NP_003255	<i>MmTLR2</i>	NP_036035	<i>BmTOLL6</i>	XP_012553339_1	<i>MdTLR2</i>	.01891253	<i>ApTOLL</i>	XP_016656770_1	<i>DmTOLL2</i>	AAF57509	<i>AmTOLL</i>	XP_016767399_1
<i>HsTLR3</i>	NP_003256	<i>MmTLR3</i>	NP_569054	<i>BmTOLL8</i>	XP_004921742_1	<i>MdTLR3</i>	.01892306	<i>ApTOLL</i>	XP_001942733_2	<i>DmTOLL3</i>	AAF86229	<i>AmTOLL</i>	XP_016767400_1
<i>HsTLR4</i>	NP_612564	<i>MmTLR4</i>	NP_067272	<i>BmTOLL</i>	XP_012546804_1	<i>MdTLR4</i>	.01889465	<i>ApTOLL</i>	XP_008182102_1	<i>DmTOLL4</i>	AAF52747	<i>AmTOLL</i>	XP_016767401_1
<i>HsTLR5</i>	NP_003259	<i>MmTLR5</i>	Q9JLF7	<i>BmTOLL2</i>	XP_004927316_1	<i>MdTLR5</i>	.01890408	<i>ApTOLL6</i>	XP_001947324_1	<i>DmTOLL5</i>	AAF86227	<i>AmTOLL</i>	XP_016767402_1
<i>HsTLR6</i>	NP_006059	<i>MmTLR6</i>	Q9EPW9	<i>BmTOLL3</i>	XP_021204430_1	<i>MdTLR6</i>	.01891471	<i>ApTOLL7</i>	XP_001946943_2	<i>DmTOLL6</i>	AAF86226	<i>AmTOLL</i>	XP_016767403_1
<i>HsTLR7</i>	NP_057646	<i>MmTLR7</i>	NP_573474	<i>BmTOLL7</i>	XP_004921732_1			<i>ApTOLL6</i>	XP_003248960_1	<i>DmTOLL7</i>	AAF57514	<i>AmTOLL</i>	XP_026295852_1
<i>HsTLR8</i>	NP_619542	<i>MmTLR8</i>	NP_573475	<i>BmTLR4</i>	XP_012546905_1					<i>DmTOLL8</i>	AAF86224	<i>AmTOLL</i>	XP_026295853_1
<i>HsTLR9</i>	NP_059138	<i>MmTLR9</i>	NP_112455	<i>BmTOLL7</i>	NP_001116821_1					<i>DmTOLL9</i>	AAF51581	<i>AmTOLL8</i>	XP_393713_3
<i>HsTLR10</i>	AF296673	<i>MmTLR11</i>	NP_991388	<i>BmTOLL7.2</i>	XP_004921727_1							<i>AmTOLL6</i>	XP_393712_2
		<i>MmTLR12</i>	NP_991392	<i>BmTOLL6.2</i>	XP_004921738_2							<i>AmTOLL7</i>	NP_001013379_1
		<i>MmTLR13</i>	NP_991389	<i>BmTOLL6.3</i>	XP_004921739_1							<i>AmTOLL8</i>	XP_016769909_1

Table S2. Primer sequences.

Prime mane	Sequence
<i>ACT1</i>	F: 5' - TGTGACGAAGAAGTTGCTGC -3' R: 5' - TGGGGTATTTTCAGGGTCAGG -3'
<i>DcTLR7</i>	F: 5' - TGAAGGACGGACTGGACATA -3' R: 5' - ATACACCACATAGCCGTCG -3'
<i>DcTOLL</i>	F: 5' - CCCGTGTTATCATCCTGG -3' R: 5' - GGTTCCTTGCCTGGAGATA-3'

Table S3. First chain cDNA synthesis volume.

Reactive	Volume
5× Fastking-RT SuperMix	4 µl
Total RNA	50 ng – 2 µg
RNase-Free ddH ₂ O	Make up to 20 µl
Reaction temperature	Reaction time
42°C	15 min
95°C	3min

Table S4. Real-time qPCR reaction volume.

Reactive	Volume
2× SuperReal PreMix Plus	10 µl
Forward primer	0.6 µl
Reverse primer	0.6 µl
cDNA	2.0 µl
RNase-Free ddH ₂ O	6.8 µl
Reaction temperature	Reaction time
95°C	15 min
95°C	10 sec
58°C	32 sec
Cycles	40 cycles