

**Additional data file 4: Proteins similar to DFPs as determined by protein BLAST in NCBI. The *B. mori* proteins similar to DFPs were obtained by blastp analysis at the website-<http://silkworm.genomics.org.cn/>. The corresponding gene number has been mentioned. The hits were grouped into 3 categories based on their origin - lepidopteran insects, insects other than Lepidoptera and vertebrates**

PROTE-IN	LEPIDOPTERA			OTHER INSECTS			VERTEBRATES		
	Organism	Function	Accession No.	Name	Function	Accession No.	Name	Function	Accession No.
DFP-1, DFP-3	<i>B. mori</i> <i>Samia cynthia ricini</i> <i>L. obliqua</i>	Unknown	Bmb041147 BAD05929 AAV91350	<i>A. gambiae</i> <i>D. melanogaster</i>	Unknown	ENSANGP0000000 354 CG8399-PA	<i>Pan troglodytes</i> <i>Mus musculus</i>	Predicted-stromal cell receptor factor - 2	XP_517470 AAH27770
DFP-2	<i>B. mori</i> Rest same as DFP-1 and 3.	Unknown	Bmb024557	Same as DFP-1 and 3	Same as DFP-1 and 3	Same as DFP-1 and 3	Same as DFP-1 and 3	Same as DFP-1 and 3	Same as DFP-1 and 3
DFP-4	<i>L. obliqua</i> <i>B. mori</i> <i>H. armigera</i>	Cecropin	AAV91462 BAE53371 AAX51193	None	-	-	No significant similarity	-	-