*Tm*Atg6 Plays an Important Role in Anti-Microbial Defense Against *Listeria monocytogenes* in the Mealworm, *Tenebrio molitor*

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AgaBeclin-AtBeclin-1 AgoBeclin DaBeclinaReclin. AdBedin-DmAtg6 HhBedin-CqBedin-DaBedin--xBeclin-ApBedin-DnBedincBeclin-5mAtg6 DpAtg6 \mAtg6 CeBeclin TmAtg TcBeclin-1 AvBeclin-1 AglBeclin-DvvBeclin-CfBeclin-1 70 66 66 66 92 68 66 59 GmAtg6 BmBeclin-1 DpAtg6 CaBeclin-1 AgaBeclin-1 AfBeclin-1 AmAta6 69 63 DqBeclin-1 vith DaBeclin-1 PpBeclin-1 PxBeclin-1 AaBeclin-1 AtBeclin-1 AdBeclin-1 DmAtg6 AgoBeclin-ApBeclin-1 DnBeclin-1 4Z HhBeclin-1 4Z 4Z 4Z CeBeclin % identity with full-length OR

Figure S1. Percent identity of TmAtg with its orthologs. The percent identity was determined using specific domain and full length ORF. Maximum identities are circled with green and red in specific domain and full length, respectively.