

Table S7: WU-BLAST analysis to search for proteins homologous to O-mannosyltransferases from *Drosophila melanogaster* POMT1 (Genbank accession No NP_524025.2) and POMT2 (Genbank accession No NP_569858.1).

Accession number	Insect species	Annotation	% Identity	% Similarity
Homologous to POMT1				
NP_524025.2	<i>Drosophila melanogaster</i>	protein O-mannosyltransferase 1 (POMT1)	100	100
BGIBMGA003152	<i>Bombyx mori</i>	predicted: derived from silkbases cDNA database	69	83
XP_623815.2	<i>Apis mellifera</i>	predicted: similar to rotated abdomen	55	71
XP_971065.1	<i>Tribolium castaneum</i>	predicted: similar to rotated abdomen	54	71
XP_001949721.1	<i>Acyrtosiphon pisum</i>	predicted: similar to AGAP010784-PA	52	70
Homologous to POMT2				
NP_569858.1	<i>Drosophila melanogaster</i>	protein O-mannosyltransferase 2 (POMT2)	100	100
BGIBMGA005070	<i>Bombyx mori</i>	predicted: derived from silkbases cDNA database	66	78
XP_973439.1	<i>Tribolium castaneum</i>	predicted: similar to protein mannosyltransferase	63	75
XP_623973.1	<i>Apis mellifera</i>	predicted: similar to protein O-mannosyltransferase 2	62	75
XP_001946715.1	<i>Acyrtosiphon pisum</i>	predicted: similar to mannosyltransferase	55	70