

**Bulletin of Insectology Supplemental Material**

Title: **Identification of odorant-binding proteins (OBPs) in *Aethina tumida***

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**Table S1.** All detected OBPS in *Aethina tumida* antennae (complete and partial).

OBP ORF		SEQUENCES	SEQUENCE LENGHT
Atum OBPS 19d-like	NUCLEOTIDE	ATGAAATCTTTAATTGTTCTTGCATGCGCTTTCGTCGCAGCAAATGCTATTTCCAAGGGGGTCA ATCGAACAAATTTGTTAATCAAGTTAAAGATATCGGTGGAAAATGTATTGGCGAAACTAACGC CAAACCTGACGATATAGGCTCACTATTGTACCACAAAATACCTGACTCTCACGAAGGCAAAT GTCTGTTGTTTTGCATTACAAAAGGCTTCAATTTCAAAAATGCTGATTGTAGTTTGAATGGAC AGGGAGCATTGAAAATGCTGGATCCACTAAAAGAGGATGATCCTGAGGCCTACGAAAAATT AAGAAATATTGCAATCACCTGTGGTGCTAAGGTTACTATTGACTCTGATCCTTGCCAGACTG CA	375 bp
	AMINOACIDIC	MKSLIVLACAFVAANAISKGVIEQFVNQVKDIGGKCIGETNAKPPDDIGSLLYHKIPDSHEGKCLLF CIHKGFNFNQADCSLNGQGALKMLDPLKEDDPEAYEKLNRNIAITCGAKVTIDSQPCQTA	125 aa
Atum OBP 83a-like	NUCLEOTIDE	AAATGCGGAGAACTCACGGGAAAGCTACACTCCATATGCGTGACGAAAACCGGAGTTTCAGA AGATCTCATTACAGACGCCATAAATGGTGACTTTTCAGCGGATGAGAAGTTTAAAGTGTACC TAAAGTGTATCATGGCTGAAGCGGGGTGTTTCTCCGAAGATGGTCTGATGGACGTAGAAAAG AAGCATAGGAGTATTTTCAGAAAATATCAGGGCCAAAGTTGAAGTAGTTATTCGAAAATGT CGAAAAGAGAATACTTCTTATAACGGCTGTGAAGCTGCTGGATTCTTCATAAATGTTGTTA CGAAGCCGACCCTTCAATTGGTTTTGTGTTCTAAAACCTCTATTGTTACTATTAATCAATCCA TTATTAGATAGTTAATACAGTTACGTATTGCA	403 bp
	AMINOACIDIC	MRELTGKLHSICVTKTGVSEDLITDAINGDFSADKFKCYLKCIMAEGCFSEDGLMDVERSIGV FSENIRAKVEVVIRKCAKENTSYNCEAAWILHKCCYEADPSIGFVF	112 aa
Atum OBP 72	NUCLEOTIDE	CTGCATTTTACGTCGACCAAAGAGCTAATCAAGGACAACACGTTCAAATACGACTCAGCCC TGGCACAGATACACTCTTTGACTGAGGGACGAAAGGAGCCGGCCATGATTGTCATTGAGCA ATGCAAGGACGCAGGGGTGCCGACGAGTGACAAATGTATCGTCGTGTACGAGATTGGCAAG TGCATCTAAGACTGCAACCCCGCCAACTACTTA	217 bp
	AMINOACIDIC	MHLPISYTTHLSLVGTPASLHCSMQIMAGSFRPSVKECICARAESYLNVLISLVELKMQ	63 aa
Atum OBP 70	NUCLEOTIDE	ICTTGATTAATGCGGTTGCTGTTGGTCTTCTCGGTACCCTCGCGCCTAAGAGTAAGGTTTGTG AAATACCGGAAACCGCCCTCAGAAGATCGAATCGGTCATCAACGAATGTCAGGATGAAAT TAAGATTGCCATTTTATCAGAAGCTCTGGAGGCTTTGAGCATCACCGAACACAAGAACAGCA GGGCTAAGAGGAGCGCATTTTCGAGGGATGAAAAACGAATTGCTGGGTGTCTGTTACAATG TGCTACAGGAAGATGAAAAGCTGTGAACGAAAAGGGATTTCCGACCACCGAAGGTTTGGTG AAGCTGTACACTGAAGGTATCAGCAGAAAGGAATACATTCTGGCCACGCTTCAGTCCGTCAG CACTGTGTTTGGTTGACGCTCACAAAGAACATTTGACCACCCCAAGCCATCGAACAGGAAG GAAAAACATGTGACATAGCTACGACATATTCGACTGCGTCTCAGAAAAGATCGGCGAGTA TTGCGGCCAGACGCCGTAATTCCACGTTCCACGTTGTTAATTTTTAGAACTACTGCCGTTTT GTACCAAAGCAAACAGAACACCACACAATTATCTGCAATCATCCCGAACGGTCCGTTTCCAC AATATTATTGGTTTGTGTTTTAATGTAGACTTCGATCGACCGTCTTTTATCTGCATCGTAAG TTTGCGATTTAAATGCAAATTTAACTGGGGAATTTAAATTTAGACTTAACTGCTTGGCT	741 bp
	AMINOACIDIC	MKAVNEKGFPTTEGLVKLYTEGITQKEYILATLQSVSTCLVDAHKKHLTPQAIEQEGKTCDIAY DIFDCVSEKIGEYCGQTP	83 aa
Atum OBP 72-like	NUCLEOTIDE	ATTGGTGCACCATGGCCAAAGTGCAATGTCAGAACAACAACCTAAAAGCTGCCATTAAGCTA ATGAGAAATGTTTGCCAAACCAAGTCTAAAGCTACTGATGAACAAATTCGCGCAATGCACG AGGGAAATTCGACCAAGGAAAGCCAGTCAATGCGATAATTGGTGTCTTCTAAACATGTAC AAACTGATAAGAAAAGATAATTCTTTGACTGGGAAGGTGGTCTTAAAACGTTGGAAGCTC AAGCTCCACCACGAATTGTTGGACCTGCTACAAAATGTATAACTCAAT	293 bp
	AMINOACIDIC	MSEQQLKAAIKLMRNVCPKSKATDEQIAAMHEGNFDQGPSQCDNWCLLNMYKLIRKDNSF DWEGLKLTLEAQAPPRIVGPATKCITQ	89 aa
Atum OBP 72-like	NUCLEOTIDE	AAGATGCAGTAAAAACAACATCCGATAAATGCGCTGCCGGAACGAAATTACTGAATGCTT ATATAAATGTGATCCTCCAAACTATTTTCTCCATAAATCTGATGTTTAACTGTTAATTCAGA TATCTTTAAGGTGCCTTATTAATAAACTCGTTAATATAA	164 bp
	AMINOACIDIC	MGENSLEDHIYISIQ	15 aa
Atum OBP 83a-like	NUCLEOTIDE	CACAAATCAACCTGTTGTGCTCGCGTTACTCTCAGTCGGAACAACCCAGGGAGAGATCAG CTATCGAATCCTGGAGGAGTGCAGAAGAGAGAACAGCAGCCCCCTGACGTCCCTGGTACAC ACGATGTGCCTGTACAAGTGCTTCTACGAGAAATCTGGTCTGGTGGACCAAAAAGGGTACGTT CCTCTCAACCAGCTGAAAACGGATCCGGAACCTGGCCGACTCCCAGAAATACGACAAAGAA CGGTTGTTTCGATTGTCTCGAAACGGTGGACAAGATCCAGAGCTGTCACGACATCGTCAACGT AACGCGTTGCTTCCATTCAAGAACTGACTTTCAATAAAT	348 bp
	AMINOACIDIC	MEATRYVDDVVVALDLVHRFETIEQPFVVFRESGQFRIRFQLVEEERTLLVHQTRFLVEALVQA HRVYQGRQGAAVLSSALLQDSIADLSLGCSD	96 aa

