Table S6. The list and the nucleotide sequences of 6 CSPs and 3 SNMP genes of *P. akamusi* identified in present study.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unigene | Gene name | Accession number | ORF(bp) | Complete ORF | Blastx annotation | Score | e\_value | Identity (%) |
| Unigene4958\_All | PaCSP1 | MN132932 | 156 | Yes | gi|281426843|emb|CBA11328.1|/5.80983e-36/chemosensory protein 2 *[Glossina morsitans morsitans]* | 155.99 | 5.81e-36 | 55.74 |
| Unigene 07395\_All | PaCSP2 | MN132933 | 285 | Yes | MG544171|chemosensory protein 2 (CSP2)[ Bradysia odoriphaga] | 64.1 | 3e-06 | 79.31 |
| Unigene18310\_All | PaCSP3 | MN132934 | 369 | No | gi|925175954|gb|ALC79596.1|/9.73377e-38/chemosensory protein 9 *[Grapholita molesta]* | 160.23 | 9.73e-38 | 57.72 |
| Unigene3999\_All | PaCSP4 | MN132935 | 378 | No | gi|215254082|gb|ACJ64053.1|/5.31771e-68/putative chemosensory protein CSP6 *[Nilaparvata lugens]* | 260.77 | 5.32e-68 | 100 |
| Unigene3472\_All | PaCSP5 | MN132936 | 132 | No | gi|306850727|gb|ADN06871.1|/2.50874e-38/chemosensory protein *[Nilaparvata lugens]* | 162.16 | 2.51e-38 | 100 |
| Unigene18891\_All | PaCSP6 | MN132937 | 147 | No | gi|554894795|gb|AGZ04929.1|/8.50239e-26/chemosensory protein 1 *[Laodelphax striatella]* | 120.55 | 8.50e-26 | 88.71 |
| Unigene17684\_All | PaSNMP1 | MN133043 | 1629 | Yes | gi|340396196|gb|AEK32388.1|/5.07906e-143/sensory neuron membrane protein 1c *[Culex quinquefasciatus]* | 513.457 | 5.08e-143 | 49.69 |
| Unigene 05708\_All | PaSNMP2 | MN133044 | 1479 | Yes | gi|332321832|sp|B0X4H5.2|SNMP1\_CULQU|RecName: Full=Sensory neuron membrane protein 1 *[Culex quinquefasciatus]* | 430 | 9.31e-143 | 41.05 |
| Unigene 06894\_All | PaSNMP3 | MN133045 | 1713 | Yes | gi|374253753|sp|Q7Q6R1.5|SNMP2\_ANOGA|RecName: Full=Sensory neuron membrane protein 2 *[Anopheles gambiae]* | 593 | 0 | 49.47 |