Supplementary Material

**Supplementary Table 8.** Related sequence screening.

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Unigene ID** | **Annotation** | **Amino acid sequence** |
| 1 | c21367.graph\_c0 | fatty acid-binding protein (*Camponotus floridanus*) | MEELYGKQYKLNKSEKFDEYMKAMGVGMMTRKLGGTVSPVIELTEADGVYTLKSTSTFKNTVISFKLGEEFDEETPDGRKVKSTITRDGNKLIQIQKGEPKDTEIIREFSPEQVLMTLKVDDIVCTRIYKAI |
| 2 | c10980.graph\_c0 | troponin T (*Teleogryllus emma*) | MSDDEDVYSEEEEEVEVKPRKSIVGDQPQGDPEFIKRQEQKSSALDEQLKEYIAEWRKQRSKEEDELKRLKEKQAKRKVMRADEEKRLAERKKQEEERRQREIEEKKQRDIEEKRRRLEEAERKRQAMMQAMKEQNKKGPNFTITKKDQSFNLSSAQIERNKTKEQLEEEKKISLSFRIKPLEIEGLSVDKLRTKATELWEAIVKLETEKYDLEERQKRQDYDLKELKERQKQQLRHKALKKGLDPEALTGKYPPKIQVASKYERRVDTRSYDDKKKLFEGGWATLSSEVNEKVWKSKYEVFTNRTKSKLPKWFGERPGKKKGDPESPEEEEVKAPGADDDLDEPTFEPEPEPEPEEEEVEEEEEEEEEEEEEEEEEEEE |
| 3 | c16538.graph\_c1 | actin (*Acyrthosiphon pisum*) | MVSASSLFPWVVVSAVAAAGGCCCLEALAVHNARAGLIVLLLGDPHLLEGGQGSQDGAADPDGVLPLRGSDDLDLDGAGSQGGDFLLHPVSNTGVHGGATGQDSVGVQVLTDVDVALHDGVVDGLVDAAGFHTQEGRLEEGLRAAETLVADGDDLAVGQLVGLLQGGGGGGGGHFLLEVQGDVAQLFLDVAHDFTLGSGGEAVATLSQDLHQVVGEIAASQVQTQDSVGQSITFIDGDGVGDAITRVQHNTSGTAGSVQGQHGLDGDVHGGGVEGLKHDLGHLLTVGLGVQGSLSEQDGVLLGGHTQLIVEGVMPDLLHVVPVGDDAVLNGVLQGEDTSLGLGLITNVAVLLTHTHHHTLMAGPADDGREDGAGSVVSGEAGLAHAGAIVHDQSSNVVVTHFGRWLLFRASLLLAPALLLDV |