**File S3 Open reading frame sequence of the thrips neuroreceptor gene**

*>Megalurothrips usitatus* (Bagnall) voltage-gated sodium channel (6300 bp)

ATGTCCGAGTGCTCGGAGTCGGTCTCGGAGGAGGAGCGCAGCCTGTTCCGGCCCTTCACCAGAGAGTCGCTGGCAGCCATCGAGATGCGAATCGCGGAGCAGGAGGCGCGCCACCGAGAACTGGAGCGGAAGCGCGCGGAGGGGGAGGATATGGGACGGAAGAAAACGAAAAAAGAAGTGCGGTACGAGGACTCGGACGAGGACGAGGGCCCACAGCCGGATGCCACGCTGGAGCAGGGCGTGCCGATACCCGTGAGGATGCACGGCCTGTTCCCGGCCGAGCTGGCCTCCACGCCCTTGGAGGACATCGACAACTTCTACCACAACCAGCGGACATTCGTGGTTATCAGCAAAGGGAAAGACATCTTCCGATTTTCTGCGACGGATGCGCTGTGGATCCTGGACCCGTTCAACCCCATCCGAAGGGTGGCAATCTACATCCTTGTCCACCCGCTCTTCTCTCTCTTCATCATCACCACCATCCTCACCAACTGTATCCTCATGATCATGCCCAGTTCGCCGAAAGTCGAGTCAACAGAAGTAATATTTACCGGCATCTACACATTTGAATCAGCCGTAAAGGTGATGGCCAGAGGATTCATCCTACAGCCGTTCACCTACCTTAGAGATGCATGGAACTGGTTGGACTTCATTGTCATAGTTTTAGCTTACATCACAATGGGAATCGACTTGGGTAATCTGGCAGCGTTGAGGACGTTCCGTGTGCTGCGAGCTCTCAAGACCGTAGCCATTGTACCTGGTCTCAAAACCATCGTGGGTGCTGTGATAGAGTCAGTGAAAAATCTCCGGGATGTGATCATTTTGACCATGTTTTCACTTTCTGTATTCGCGCTGATGGGCCTGCAAATTTACATGGGTGTGCTCACACAAAAATGTATTAGAAATTTTCCCCATGATGGATCTGCAGGTCCACTCACTGACGAGAACTGGTTTGCTTTCGCTAGTAACAAAACAAATTGGGCCTGCAATGATGAGGACGCCCGCGACTGCCCGCTGTGCGGGAACTCATCGGGTGCCGGGATGTGCGAGTCGGGCTTCACGTGTATCCAAGGGTTTGGGTCCAACCCGAACTACGGATACACGAGCTTCGACACGTTCGGGTGGGCACTCCTCTCCGCCTTCCGACTCATGACTCAGGACTACTGGGAGAACCTGTACCAACTGGTGCTGCGCTCTGCCGGCCCATGGCACATGCTGTTCTTCATCGTCATCATCTTCCTTGGCTCCTTCTACCTCGTCAATTTGATTCTCGCCATCGTCGCCATGTCGTACGACGAACTGCAGAAGAAGGCGGAGGAAGAGGAGGCCGCTGAAGAGGAGGCGATTCGGGAAGCGGAGGAAGCCGCTGCAGCCAAAGAGACGAGGAGAGTGAATCGCGCCGCCGCCCACGAGGCCAAGGTACACGCCGCTGCAGAGGCGGCGGCGGCAGAGATAGCAGCGGCGGAGGCGGAAGCTGCTGGCAGCGTCGCCAAGTCACCGTCAGCATTTTCATGTCAAAGCTATGAGCTATTTGTGGGACAAGAGAAAGGGAACATCGATGACAACAATCGAGAGAAGATGAGTATCCGCTCGGATGACTGCGCTGAATCGCTCAGCGAACACCACACCCGGGCGGGCCAAACCAAATCACGCAAACTGAGCGCAGATAGCCTCACGGAGGCTAGTTTGAGTTTACCCGGGTCACCGTTTAACATCAGGCGAGCATCTAGAAGCTCGCACCAGTTTGCCATGAGGAACCCGCCCCGCGCAGGTCGCTGGGGAGGGGACCGAAAGCCTCTTGTGCTCAACACGTATCTAGACGCCCAGGAACATCTACCGTACGCGGATGACTCGAATGCGGTCACGCCCATGTCGGAGGAGAATGGGGCCATTGTGGTTCCCGTGTACTACACCAACCTAGGACACTCGTCCCGACACTCATCTTACACATCGCACGCGTCCCGTCTCTCCTACACATCCCACGGTGACCTCCTGGGCGCGCTCGGTGGCATGGGTAAACAACCGACCAAGGAGAGCCGCCTAAGGTCCAGGTCTTCTCGAGCGTCGCAGGCGTCGCAGACCTCTCATGCGACGCCCGTCGTAACTCAGCAGCCCACATCCCTCCTGACACAACCTGCAACCTACCGAGAATATGAGCCGTCCTCAGACCTGGGCGAGGAGCAGCGCTCCAAGCTTCAGGACAACCCTTTCATAGACTCGGGTCAGGTCCAAAACATAGTCAACATGAAGGACGTGATGGCGCTGAACGACATTATTGAACAATCGCAGGGTCGACAGTCACGGCAAAGTGATCAAGCAGTGTCTGTCTATTATTTTCAACAACCAGAAGAAGACGAGGAGGATCCTACGTTTAAAGAGAAAATGTTAGCCGCCTGCTTAAAAGGCATCGACATTTTCTGCGTGTGGGACTGCTGTTGGTGTTGGCTAAAGCTTCAGCACTACGTGGCACTACTCGTCTTTGACCCGTTTGTGGAGCTGTTCATCACACTCTGCATTGTGGTCAACACACTATTCATGGCTCTCGATCACCATGACATGGATCCTGAAATGGACAGTGCTTTGAAAAGCGGCAACTATTTCTTCACTGCAACATTCGGCATCGAAGCAACTCTAAAACTCATTGCCATGAGCCCAAAGTTTTATTTTCAAGAAGGTTGGAACATTTTTGACTTTAGTATCGTCGCATTATCGTTACTCGAGCTGGGTCTCGAAGGTGTGCAGGGTTTATCGGTGTTGCGTTCGTTTCGATTGCTCCGAGTGTTCAAGCTTGCCAAGTCGTGGCCCACGCTCAACTTGCTCATTTCTATCATGGGCCGGACCATGGGTGCCTTGGGTAACTTGATCTTTGTGTTGTGTATCATCATCTTCATCTTCGCCGTGATGGGCATGCAGCTGTTTGGTAAAAATTACTACGATAACGTCGATAAATTTCCGGGAGGTGAAATGCCCCGATGGAACTTTATAAACTTCATGCACTCTTTTATGATCGTCTTCCGCGTACTTTGTGGAGAGTGGATTGAATCCATGTGGGACTGTATGCTCGTTGGAGACTGGTCATGTATTCCCTTCTTCCTAGCGACTGTAGTTATTGGGAACTTGGTGGTGTTAAACCTTTTCCTTGCCTTGCTCCTGTCCAACTTTGGGTCTTCCAATCTGTCCGCCCCCACGGCAGACAGTGACACTAACAAAATCGCTGAAGCCTTTGATAGAATATCACGATTTATCAACTGGGTCAAGGCATTTTTCATGAATATTCTGAAAATGGTGAAAAATAAACTCACCAATCAGATATCTGACCAAGCAGCTCATTCGAATCGAGAACTTGACCTTGACCTAGGTGCCGATGAGATTCTGGCAGACGGAGGCTTGGTTTTTAGGGATAAGAAGAGCCCTAACACCCAATTAGAGATGGCGATTGGAGATGGGATGGAGTTTACTATACATGGAGACCTGAAAAATAAGCTGAGAAAGGGAAAATTCCTAAACAACACCAAATCTATTGGTAATTCAATAACTGGAAACCACCAAGATAACCGCTACGATAGTGATTTCATGAAACACAGATATGACGACGACAATATTAGCAATCATTCATATGGCAGTCACAAAAATAGACCATTCAAAGATGAAAGCCACAAAGGTAGTCTTGAGACGTTAGATGGCGAGGAGAAGAAAGACGCCAGTAAAGAAGACTTAGAGGGGGAGAGAGGAGAAACAGACCTTGAAGGTGAGGCGGAAGGAGAGGGCGAGGGGGAGATGGATGAAATCATCATTGCTGACAACACTGAGGATGTGCTGGTCGGCGAGTACCCCGCAGACTGCTGCCCTGATAATTGTTACAAGCGCTTCCCGTTTTTGGCCGGCGATGACGATGCGCCGTTCTGGCAGGGCTGGGCCAACCTGCGACTCAAGACTTATCAGTTAATCGAGAACAAGTATTTCGAGACGGCTGTGATCACAATGATTTTACTTAGCAGTATGGCATTGGCCTTGGAAGATGTCCATTTACAAAGCAGGCCTATATTACAAGATATTCTTTACTACATGGACAGAATATTTACTGTAATTTTCTTCATTGAGATGTTGATCAAGTGGTTAGCTCTGGGATTTCGAAAATACTTCACAAACGCCTGGTGCTGGCTGGACTTCATCATTGTCATGGTCTCCCTCATAAACTTCGTTGCGTCCTTGGTTGGGGCTGGTGGCATTCAAGCATTCAAAACAATGAGGACACTCAGGGCTCTTAGGCCTCTTAGGGCTATGTCTAGAATGCAGGGAATGAGGGTCGTAGTAAATGCCTTGGTTCAGGCTATACCCAGTATCTTCAACGTGCTCTTGGTGTGCCTTATTTTCTGGCTCATATTTGCTATCATGGGCGTGCAACTGTTTGCTGGAAAATACTTCAAATGCGTGGACGGAAACAAAACCACTCTGAGCCACGAGATCATCCCGGACAGGAATGCATGCATCGCAGAAAATTATACGTGGGAAAACTCGCCAATGAACTTTGACCATGTAGGCAAGGCGTACTTGTGCCTGTTTCAAGTTGCTACGTTTAAAGGATGGATTCAGATAATGAATGATGCAATCGATTCGAGAGAGATCAACAAACAACCAATAAGGGAGACGAATATTTACATGTACCTCTATTTTGTCTTCTTCATTATCTTTGGCTCGTTCTTTACTTTGAACCTGTTTATCGGAGTTATCATCGACAACTTCAACGAGCAAAAGAAGAAAGCGGGAGGATCTTTAGAGATGTTCATGACTGAAGATCAAAAGAAATATTACAACGCAATGAAAAAGATGGGCTCTAAGAAGCCCATGAAAGCTATTCCCAGACCTAAATGGAAACCGCAGGCGATTGTGTTTGAGATAGTGACCAATAAAAAGTTCGACATGATCATCATGTTGTTTATTGGATTCAACATGTTGACCATGACACTCGACCACTATCAGCAGTCTGAAACGTTTAGTATGGTGCTTGACCACCTAAATATGATATTCATTGTAATCTTCAGCTCTGAATGTCTGATGAAAGTGTTTGCCTTACGGTATCACTACTTTGTCGAACCGTGGAATCTTTTCGATTTCGTAGTGGTGATCTTATCCATATTAGGTTTGGTGCTCTCCGATATTATTGAAAAATACTTTGTCTCGCCCACATTACTTCGTGTCGTTCGAGTGGCGAAAGTAGGTCGTGTGTTGCGTCTCGTTAAGGGAGCGAAAGGCATTCGGACGTTGCTTTTTGCGCTGGCCATGTCTCTGCCTGCGCTCTTCAACATCTGCCTCCTGCTCTTCCTCGTCATGTTCATCTTCGCTATCTTTGGCATGTCGTTCTTTATGAATGTCAAGGATAAGAGTGGTCTGGACGACGTCTACAACTTTAAAACGTTCGGCCAGTCGATGATCCTGCTCTTCCAGATGTCGACATCGGCTGGCTGGGATGGCGTTCTTGACGGAATCATCAATGAGGAGGAGTGTGTCAAGCCTAATAACGAGATGGGCATTCCGGGTAACTGCGGTTCTTCCACCATTGGCATCACGTTCTTACTGTCGTATCTCGTCATTTCCTTTCTCATCGTCATCAACATGTACATTGCTGTCATCCTCGAGAATTATTCTCAGGCGACGGAGGATGTCCAAGAAGGTCTGACGGACGATGACTACGACATGTACTACGAAATCTGGCAGAACTTCGATCCCGACGGCACGCAGTACATTCGCTACGACCAGCTGTCGGATTTCTTGGATGTGCTGGAGCCACCCTTGCAGATCCATAAGCCAAACAAGTACAAGATCGTCTCTATGGACATTCCCATCTGTAAGGGCGATCTAATGTTCTGTGTCGACATCCTCGACGCGCTCACCAAAGACTTCTTCGCCCGGAAGGGCAACCCGATCGAAGAGACGGGTGAATTAGCCGAGGTGCAGCCTGGCCGACCGGACGAGGCTGGCTACGAGCCCGTGTCCTCCACGCTGTGGAGGCAGCGCGAGGAGTATTGCGCGCGCCTCATCCAGCACGCTTGGCGGAAGCACAAACTTCATCGAGGTGGTGGCGTGTCCTCGGACGAGGGTGGCGCCGCTGCCGGCGAGGACGGCGGCAGCGGCGGAGGAGGCGGAGGCACCGGAGGCGAGGATGGCGACGAGTCGTCGGCGAGCGGCGGCCGGCAGACGGCCGTCCTTGTCGAGTCGGACGGCTTCGTCACCAAGAACGGGCATCGCGTCGTGATCCACTCGCGGTCTCCCAGTGTGTCGTCCCGCCTTGCGGATGTCTGA

*>**Thrips palmi* (Karny) voltage-gated sodium channel (6288 bp)

ATGTCCGAGTGCTCGGAGTCGGTCTCGGAGGAGGAGCGCAGTCTGTTCCGACCCTTCACCAGAGAATCGCTAGCAGCCATCGAGCAGCGAATCGCGGAGCAGGAGGCGCGCCACCGAGAGCTGGAGAGGAAGCGCGCGGAGGGGGAGGACGATTTTATGGGTCGGAAGAAATCGAAAAAAGAAGTGCGGTACGAGGACTCGGACGAGGACGAAGGTCCACAGCCGGATGCGACGCTGGAGCAGGGCGCACCAATACCTGTGAGGATGCACGGCAGCTTCCCTGCCGAGCTGGCCTCCACGCCACTGGAAGACATCGACACCTACTACCACAACCAGCGGACATTCGTGGTCATCAGCAAAGGGAAGGACATCTTTCGCTTCTCTGCGACGGATGCCCTGTGGATCTTGGACCCGTTCAACCCCATCCGCAGGGTGGCCATCTACATCCTCGTGCACCCACTCTTCTCTCTGTTCATCATCACCACCATCCTCACAAACTGTATACTGATGATAATGCCCAGCTCACCAAAAGTCGAATCAACAGAAGTAATATTTACCGGCATCTACACATTTGAATCAGCCGTAAAGGTGATGGCCAGAGGATTCATCCTACAGCCGTTCACCTACCTTAGAGATGCATGGAACTGGTTGGACTTCATTGTCATAGTTTTAGCTTATATCACGATGGGAATCGACTTAGGAAACCTGGCAGCGTTGAGAACTTTCCGAGTGTTGCGAGCTCTCAAAACGGTGGCCATTGTACCGGGTCTCAAAACTATCGTGGGTGCTGTGATAGAATCAGTGAAAAATCTCCGGGATGTAATCATTCTGACCATGTTTTCACTGTCTGTATTTGCGCTAATGGGCCTGCAAATCTACATGGGTGTGCTCACTCAAAAATGTATAAGAAATTTTCCCAGTGATGGATCTGCAGGCCCACTAACACACGAGAACTGGTTCGCTCACGCTAGTAACAAAACAAATTGGGAATGTAACGACGAGGATGCTCGGGACTGCCCGCTGTGCGGGAACTCGTCCGGCGCCGGGATGTGTGAACCAGGCTACACGTGCATCCAGGGGTTTGGCTCGAATCCTAACTACGGCTACACGAGCTTCGACACCTTTGGCTGGGCGCTTCTGTCTGCCTTTAGACTCATGACGCAGGACTACTGGGAAAACCTGTACCAGCTGGTCCTGCGCTCGGCCGGGCCCTGGCACATGCTGTTCTTCATTGTCATCATCTTTCTCGGCTCCTTCTACCTCGTCAACTTGATCCTCGCTATCGTCGCCATGTCGTACGACGAATTGCAGAAGAAAGCGGAAGAGGAAGAAGCAGCCGAAGAGGAGGCGATCAGGGAAGCTGAAGAGGCCGCCCAAGCCAAGGAGACGAGAAGAGTGAACCGCGCCGCCGCCCACGATGCGAGAGTGCACGCCGCCGCCGAGGCGGTAGCGGCAGCAGAAGCCGCGGCAGAGGCGGAGGCTGCAGGCAGCGTCGCCAAGTCGCCTTCGGCGTTCTCTTGTCAGAGCTACGAGCTGTTCGTGGGCCAGGAGAAGGGCAACATGGACGATAACAACAAGGAGAAGATGAGCATCCGGTCGGACGACTGTGCCGAATCGCTGAGTGAACACCACACCCGAGTGGGCCAAACCAAGTCGCGGAAGATGAGCGCAGCGAGTCTGAGTCTTCCGGGGTCGCCGTTCAACATCCGGCGAGCCTCCAGGAGCTCCCACCAGTTCGCTATGCGGAACCCCCCTCGCGCTGGTCGCTGGGGCGGGGACCGAAAGCCACTGGTGCTCAACACGTACCTGGACGCACAGGAGCACCTGCCGTACGCCGACGACTCGAATGCGGTGACGCCCATGTCGGAGGAGAACGGTGCCATCGTGGTGCCCATGTACTACACCAACCTGGGGTCGCGGCACTCGTCCTACACGTCGCACGCCTCGAGGCTGTCGTATACGTCCCACGGCGACCTGCTGGGCGCGCTGGGCGGCAAGCAGCCCACCAAGGAGAGCCGCTTGCGGTCCCGGTCGTCGCGAGCCTCACAGGCCACGCCGTCGCAGGCCACGCCGGTCGTGTCCCAGCAGCCGCAGTCCCTGGTGCAAACTGCCTACCGAGAATATGAGCCGTCCGCAGACCTGGGTGAGGAGCAGCGCTCCAAACTTCAGGACAACCCCTTCATAGACTCGAGCCAGGTCCAAAACATAGTGAATATGAAAGATGTAATGGCGTTAAATGACATCATAGAACAATCACACGGTCGACAGTCACGGCAAAGTGACCAAGCAGTGTCTGTCTATTATTTTCAACAAACAGAAGAAGACGAGGAGGAGCCTACTTTCAAGGAGAAAATGATAGCTGCTTCACTGCGCGGCATCGACATTTTCTGCGTCTGGGACTGCTGTTGGTGCTGGCTCAAGTTCCAGCACTGGGTGGGCCAACTCGTGTTTGACCCCTTTGTAGAGCTTTTTATTACGCTCTGCATCGTGGTCAACACCTTGTTCATGGCCCTCGATCATCACGACATAAATCCCGAAATGGACGCAGCGCTCAAAAGCGGAAACTACTTTTTCACGGCGACCTTCGGCATTGAAGCAACTCTGAAGCTGATTGCCATGAGCCCAAAGTTCTACTTCCAAGAGGGATGGAACATCTTCGATTTCATCATCGTTGCGTTGTCTCTACTCGAGCTGGGTCTCGAGGGAGTCCAGGGCCTCTCAGTGTTGCGGTCTTTCCGATTGCTCCGAGTGTTCAAGCTTGCCAAGTCGTGGCCCACGCTCAACCTGCTCATTTCTATCATGGGCCGGACCATGGGTGCCTTGGGTAACTTGATCTTCGTGTTATGCATTATCATCTTCATCTTCGCCGTGATGGGTATGCAGCTCTTCGGCAAAAACTACTATGATAACGTTGATAAATTTCCCGGGGGAGAAATGCCAAGATGGAACTTCATCAACTTCATGCACTCCTTTATGATCGTCTTCCGGGTCCTTTGTGGAGAGTGGATCGAGTCCATGTGGGACTGCATGTTGGTTGGAGACTGGTCATGCATCCCCTTCTTCCTAGCAACTGTAGTCATCGGCAACTTGGTCGTGTTAAATCTTTTCCTTGCCTTGCTCCTGTCCAATTTTGGGTCTTCCAATTTATCCGCTCCAACGGCGGACAGTGATACAAATAAGATTGCGGAGGCATTCGACCGGATATCAAGGTTTATCAACTGGATAAAGCAGTGCATAAGGGATGCTATCAAAATGGTCACGAACAAGCTGACAAATCAGATCTCCGATCAAGTCACCCACTCAAACCGAGAGCTTGACCTTGATTTGGGAGCTGACGAGATTCTTGCAGATGGTGGCCACGTGTTTAGAGACAAGAAAAGCCCAAACACGCAGCTTGAGATGGCGATCGGGGACGGAATGGAGTTTACCATACATGACCTGAAAAACAAGCTGAGGAAGGGAAAATTCCTAAACAATACGAAGGCCATCGGGAACTCCATCACAGGGAATCACCAGGACAACCGCTTTGAAAGCGACTTTATAAAACACAGATATGACGATGACAATATTAGCAATCACTCATATGGCAGCCACAAAAACAGGCCGTTCAAGGACGAAAGCCACAAAGGGAGTCTCGAGACGCTGGACGGAGAGGAGAAGAAAGACGCCAGCAAAGAAGACTTGGAAGGTGACAGGGGAGAGACAGACCTGGAAGGCGAGGCGGAGGGCGAGGGGGAGGGGGAGATGGATGACATCATCATCGCCGACAACACGGAGGACGTGCTGATTGGCGAGTACCCCGCAGACTGCTGCCCGGACCCTTGCTACAAACGGTTCCCCTTCCTGGCCGGCGACGACGACGCCCCCTTCTGGCAGGGCTGGGCCAACCTGAGACTCAAGACTTACCAGCTGATCGAGAACAAGTACTTCGAGACGGCTGTCATAACCATGATCTTACTTAGTAGTATGGCCTTGGCTCTCGAGGATGTCCATTTACAAAGTAGGCCCATTTTACAAGATATTCTTTACTACATGGACAGAATATTCACTGTGATATTCTTTCTTGAGATGTTAATAAAATGGTTGGCACTGGGTTTCCAAAAGTATTTTACAAACGCCTGGTGCTGGCTTGACTTCGTCATTGTCATGGTCTCCCTCATAAACTTCGTTGCGTCCCTGGTTGGGGCTGGTGGCATTCAAGCCTTCAAAACAATGAGGACTCTCAGGGCTCTTAGGCCCCTTAGGGCTATGTCTAGAATGCAGGGAATGAGGGTTGTCGTCAATGCCTTGGTGCAAGCCATACCTAGTATCTTCAACGTATTGTTGGTGTGCCTTATATTCTGGCTAATTTTTGCCATCATGGGAGTGCAATTATTTGCCGGAAAATATTTTAAGTGTGTGGACGCTAACAAAACAACATTGAGCCACGAGATCATCCCAGACAGAAACGCCTGCATTGCGGAGAACTACACGTGGGAAAATTCACCGATGAATTTCGATCACGTGGGCAAGGCCTACTTATGTCTGTTCCAAGTTGCCACATTCAAGGGCTGGATTCAGATCATGAACGATGCCATAGACTCTAGAGAGATAAACAAACAACCCATTAGGGAAACAAATATCTACATGTACCTGTACTTTGTCTTTTTCATTATCTTTGGCTCATTTTTCACTTTGAACCTGTTTATCGGAGTTATCATCGACAACTTCAACGAGCAAAAGAAAAAGGCAGGAGGTTCCCTAGAGATGTTCATGACTGAAGATCAGAAGAAATACTACAATGCAATGAAAAAGATGGGTTCGAAAAAGCCAATGAAAGCCATTCCCAGACCGAGGTGGAAACCTCAAGCCATAGTTTTCGAAATAGTGACCAATAAGAAATTTGACATGATCATCATGTTGTTTATTGGATTCAACATGTTGACCATGACACTTGACCATTACCAGCAGTCTGAAACGTTTAGTATGGTTCTCGACCATCTGAACATGATATTCATTGTTATATTCAGCTCTGAATGTCTCATGAAAGTATTTGCGCTGCGGTATCACTACTTTGTAGAACCGTGGAATCTTTTCGATTTTGTAGTAGTTATACTATCCATCTTAGGTCTGGTACTCTCTGATATCATTGAGAAATACTTCGTGTCGCCCACTCTGCTTCGAGTGGTACGAGTGGCCAAGGTGGGCCGGGTACTGCGTCTCGTCAAGGGAGCCAAGGGCATCAGAACGCTGCTCTTCGCCCCGGCCATGTCGCTGCCCGCGCTCTTCAACATCTGCCTACTGCTCTTCCTCGTCATGTTCATCTTCGCCATCTTCGGCATGTCCTTCTTCATGAACGTGAAGGACAAGAGCGGCCTGGACGACGTGTACAACTTCAAGACGTTCGGCCAGTCGATGATCCTGCTCTTCCAGATGTCCACGTCGGCCGGCTGGGACGGCGTGTTGGACGGCATCATCAACGAGGAGGAGTGCGACAAGCCGAACAACGAGATGGGCATCGCGGGCAACTGCGGCTCGTCGACCATCGGCATCACGTTCTTGCTGTCCTACCTCGTCATCTCCTTCCTCATCGTCATCAACATGTACATCGCCGTCATCCTCGAAAACTACTCTCAGGCCACGGAAGATGTGCAGGAAGGTCTGACGGATGACGACTACGACATGTACTACGAGATATGGCAGAACTTCGACCCAGACGGAACCCAGTACATCCGGTACGACCAGCTGTCGGACTTCCTGGATGTACTGGAGCCACCCCTGCAGATCCACAAGCCCAACAAGTACAAGATCGTCTCCATGGACATCCCGATCTGCAAGGGCGACCTCATGTTCTGCGTCGACATTCTCGATGCTCTAACCAAAGACTTCTTCGCCCGAAAGGGCAACCCGATCGAAGAGACGGGTGAATTAGCCGAGGTGCAGCCCGGCCGACCGGACGAGGCTGGCTACGAGCCGGTGTCGTCGACGCTGTGGCGGCAGCGCGAGGAGTACTGCGCGCGCCTCATCCAGCACGCCTGGCGCAAGCACAAGCTGCACCGCGGCGGCGGCGTGTCCTCCGACGAGGGTCCGGAGGGCGGTGCGGAGGGCGGCGCCCCGCCGGCCGGCGACAGCGCCAGTGGCGGTGGCGGCGCCGGCACCGGCGGCGAGGACGGCGACGAGTCCTCCGGCAGCGGCGGCCGCCAGACGGCCGTGCTCGTCGAATCGGACGGCTTCGTCACGAAGAACGGCCACCGCGTGGTGATCCACTCGCGGTCGCCTAGTGTCTCGTCGCGCCTCGCGGATGTCTGA

*>Megalurothrips usitatus* (Bagnall) nicotinic acetylcholine receptor α2 subunit (1656 bp)

ATGTCCGTCACGAAGCTGGCCCTGGTGGTGCTGGCGGGCGCGGCCCTGTGCTCGGTGCAGCGCGCGGACGCCAACCCGGACGCCAAGCGGCTGTACGACGACCTGCTCAGCACCTACAACCGCCTCATCCGCCCCGTTGCCAACAACTCCCACACGGTTCTCGTCAAGCTCGGTCTTCGACTGTCCCAGCTGATTGAATTGAATTTGAAAGATCAGATCCTCACAACCAACGTCTGGCTTGAACATGAGTGGCGGGACCACAAATTCCAGTGGGAGCCGTCCGAGTACGGGGGCCAGACCGAGCTGTACGTGCCGTCGGAGCACATCTGGCTGCCCGACATCGTCCTCTACAACAATGCGGACGGCGAGTACGTCGTGACCACCATGACCAAGGCGGTGCTCCACCACAACGGCAAGGTGCTGTGGACGCCGCCCGCCATCTTCAAGTCCTCCTGTGAGATCGACGTGCGGTACTTCCCGTTCGACCAGCAGACATGCTTCATGAAGTTCGGGTCGTGGACGTACGACGGCTTCCAGATTGATCTGCAGCACATCAACGCGAAGGGGAACGAGAACATGGTGGAGGTGGGCATCGACCTCAAGGAGTACTACCCGTCCGTGGAGTGGGACATCCTGGGCGTGCCGGCGGAGCGGCACGAGCGCTACTACCCCTGCTGCAACGAGCCGTACCCAGACATCTTCTTCAACATCACGCTGCGCCGCAAGACGCTGTTCTACACCGTCAACCTGATCGTGCCCTGCGTCGGCATCAGCTACCTCACCGTCCTCGTCTTCTACCTGCCCGCCGACTCCGGCGAGAAGATTGCGCTGTGCATCAACATCCTGCTGTCGCAGACCATGTTCTTCCTGCTCATCTCCGAGATCATCCCGTCGACGTCGCTGGCGCTGCCGCTGCTCGGCAAGTACCTGCTGTTCACCATGTTCCTGGTGGGCATCTCCGTCGTCATCACCATCATCGTGCTCAACGTCCACTACCGCAAGCCCTCCACGCACAAGATGGCCTCCTGGGTGCGGAAGGTGTTCATCCGCTGGCTGCCCAAGCTGCTGCTCATGCGCGTGCCGGACACCATGCTGGCGGACCTCGTGGGCAACCGGCGGCTGTTCCGACTGTCCACGAAGAAGGCCCGCCAGATGCAGACCTCGGCCTCCCAGGTGGTGGCCTCGTCGTCCACGGCCTCGTCCCCGGACTCGTTCCGGCTCCCTCCCAGCCGGCCCGGCGGCTGCAACGGCCTGCACGCCCAGGGCGGCGCCACCAACAGATTCGCAGGTCTGTCCTCCGTGCTGGCCGGCCTGGACGACAGCCTGTCCGACGTGGCCATCCGGAAAAAGTACCCCTTCGAGCTGGAGAAGGCCATCCACAACGTGCTCTTCATCAAGCACCACATGCAGCGCCAGGACGAGTTCGACGCGGAGGACCAGGACTGGCGCTTCGTCGCCATGGTGATGGACCGGCTGTTCCTCTGGATCTTCACGGTGACCTCGCTGGCCGGCACGGTCATCATCCTCTGCGAGGCGCCCTCCCTGTGGGACGAGACCAAGGCCATCGACACCGAGCTCTCCAACGTCGCCCAGCAGCAGTACCTGCCCAACTTCGCGGGCATGTCGCAGGCCGCCGCGGGCTCCGGCACGGAGTGA

*>Megalurothrips usitatus* (Bagnall) nicotinic acetylcholine receptor α8 subunit (1671 bp)

ATGGCGGCCACGACTGGGGCGCGTGGCGCGGGCGGGCGCGGGCTGCTCCTGAGAGTGGCGGCCCTAGCCTTCGTGCTCGCGGCCGTCCGAACCCCGAGCGTGGATGGAATGAAGCAGATCGAAGCCAATCCGGACGCGAAGCGCCTCTACGATGATCTGCTCAGCCATTACAACAGGCTCATCAGGCCCGTGATCAATAACACTGAAACCCTCACGGTGTACCTGGGCATCCGACTGACGCAGCTCATCGAAGTGAACATGAGAAACCAAATTATGACAACCAATCTATGGCTCGAACAGAAATGGGTAGACTACAAACTAAGATGGAACCCCGAGCACTACGGGGGCGTGGAGGAACTGTACGTTCCCTCCGAGCACATTTGGCTTCCTGACATCGTCCTGTACAACAATGCTGACGGAAACTACGAGGTGACCATGATGACCCGGGCCACCGTCCGCTACACCGGGGAGGTGTACTGGAAGCCGCCCGCCATCTACAAGTCCTCCTGCAAAATGCAGGTCCTGTACTTCCCGTTCGACGAGCAGATTTGTGACATGAAGTTCGGCTCGTGGACCTACAATGGCTTCCAGGTGGACCTGAAGCACATCGACCAGGACCCCGGCAGCAACCTGGTGCACAACGGCGTCAACCTCAAGGAGTTCTACCTGTCCGTGGAGTGGGACGTCCTGGACGCCCCCGCCAGGCGCAACGAGGAGTACGAGCCGTCGGCGTGCTGCGCCAACAACGACACGGCCTGCTGCGTGCCCTACTCAGACATCACGTTCAGCATGACGATGCGGCGGAAGACGCTGTTCTACACCATCAACCTCATCATCCCCATTGTCGGCATCACCTTCCTCACCGTCCTCGTCTTCTACCTGCCCTCCGCGTCCGGCGAGAAGGTGTCGCTGTGCGTGTCCATCCTGCTGTCGCTCACCGTGTTCTTCCTGCTGCTGGCCGAGATCATCCCGCCCACGTCGGTGGCCGTGCCGCTGCTCGGCAAGTACCTGCTCTTCACCATGGCGCTCGTCACACTCTCCATCCTGGTCACGGTCTGCGTGCTCAACGTGTACTTCCGGTCGCCGTCGACGCACCGCATGTCCCCGCTGGCGCAGCGCCTCTTCCTGGACATCATCCCGCGGTTCCTGCTCATGCGCAGGCCGCCCTACTCGTCCCGGGAGCCCTTCATCGAGGACCAGTACCCGGACAACGGCTACACCAACGAGATGGACTGCTTCAGGGACAGCGTGAGTGATCCCTTCTCGCCGGACTTCAAATCCTCGGGCTTCGAGTCCGGCACCGGGCTGCTGCAGCAGGCGCCGCACACCACGGTCACCGACTCGGACAACATCCTGCCGCGCACGCTGTCCCCGGACGTGCTGTCCGCGCTGCAGGGCGTCTGCTTCATCGCGCAGCACATCAAGGATGCCGACAAGGACAAGGAGGTGGTGGAGGACTGGAAGTACGTGTCCATGGTGCTGGACCGGCTCTTCCTCATCATCTTCACGGTGGCCTGCCTGGCCGGCACGGGCGGCATCATCTTCCAGGCGCCCTCGCTCTACGACACGCGCGTCCCCATCGACGCCATCCAGTCCGGGATCCCGCTGCGGAAGAACTACTTCCAGGTGCCGGACGACGCCCCGAGGCCGCCCACCCTGGCCACCGACTAG

*>Megalurothrips usitatus* (Bagnall) nicotinic acetylcholine receptor β1 subunit (1638 bp)

ATGAGGATGCCAAAGTCGTGGGGGCGGCCGTCCTGGCTGCTCGCCCTCACATGTCTGGCGGTGCCCTGGATGGCGCTGGGCTCCGAGGACGAGGAGCGGCTGGTCCGGGACCTGTTCAGGGGCTACAACAAGCTCATCCGGCCCGTGCAGAACATGACGCAGAAGGTGGACGTGAGGTTCGGGCTCGCCTTCGTGCAGCTCATCAACGTGAACGAAAAGAACCAAATTATGAAGTCGAACGTCTGGCTGAGATTGGTGTGGAGTGACTACCAGTTACAGTGGGACGAGGCTGACTACGGAGGCATAGGAGTTCTAAGACTGCCGCCGGACAAGGTGTGGAAGCCGGACATTGTGCTCTTTAACAATGCGGACGGCAACTACGAGGTCCGGTATAAATCCAACGTGCTCATCTACCCCAACGGGGAGGTGCTCTGGGTGCCGCCTGCCATCTATCAGAGCTCGTGCACCATCGACGTCACGTACTTCCCGTTCGACCAACAGACGTGCATCATGAAGTTCGGCTCGTGGACGTTCAACGGGGACCAGGTGTCGCTGGCGCTGTACAACAACAAGAACTTCGTGGACCTGTCCGACTACTGGAAGTCGGGCACGTGGGACATCATCGAGGTGCCCGCCTACCTCAACGTGTACACGGACGACCAGAAGCGGCACCCCACCGAGACCGACATCACGTTCTACATCATCATCCGGCGGAAGACCCTGTTCTACACCGTCAACTTGATCCTGCCCACCGTGCTCATCTCCTTCCTCTGCGTCCTCGTCTTCTACCTGCCGGCCGAGGCCGGCGAGAAGGTGACGCTCGGCATCAGTATCCTGCTGTCACTGGTTGTGTTCCTGCTGCTCGTGAGTAAGATCCTGCCGCCGACGTCGCTGGTGCTGCCGCTCATCGCCAAGTACCTGCTCTTCACCTTCATCATGAACACCGTCTCCATCCTGGTCACGGTCATCATCATCAACTGGAACTTCCGGGGCCCGCGCACGCACCGGATGCCGCCCTGGATCCGCACCGTGTTCCTTTACTACCTGCCCATCTTACTGGTGATGAAGCGGCCTAAGAAGACGCGGCTGCGCTGGATGATGGAGATGCCGGGCATGTCCGCCCCGCCGCACCCGCAGTACGGCTCCCCCGCCGAGCTGCCCAAGCACCTGGCGCCGGGCGGCATGGGCGGCGGGCTGCCCATGGGCGGCATGGGCATGGCCGGCAAGAGCAACACCATGGAGCTCAGCGACCTGCACCACCCCAACTGTAAGATCAACCGCAAGACCAGCGCCGACCTGGCCGTCGGCGGCGTGGGCGGCTCCTCGCTGGGCGGCGTCGGCGTCGCGGGCCTCGGTGGTCGCCGGGAGAGCGAGTCCTCGGACTCGCTGCTGCTGTCCCCCGAGGCCTCCAAGGCCACGGAGGCCGTCGAGTTCATCGCAGAGCACCTCCGCAACGAGGACCAGTACATCCAGATCCGCGAGGACTGGAAGTACGTGGCCATGGTCATCGACAGGCTGCAGCTGTACATCTTCTTCCTGGTCACGCTGGCCGGCACCGTCGGCATCCTCATGGACGCGCCGCACATCTTCGAGTACGTGGACCAGGACCGCATCATTGAGATCTACCGCGGCAAGTGA

*>Thrips palmi* (Karny) nicotinic acetylcholine receptor α1 subunit (1662 bp)

ATGGGTTGGCTGCTGGCGGCGCTGCTGGTTGCTGTGATGAGCGTGCTGTGCGTTGGCCGTGGCGCCGCTAACTCCGACGCCAAGAGGCTCTACGACGACCTGCTCAGCAACTACAATCGCCTCATCAGGCCCGTCGGCAACAACTCGGACAGGCTGACCGTACGCATGGGCCTCAGGCTGTCGCAGCTTATAGAAGTGAATCTGAAGAACCAGATCATGACGACCAACATGTGGGTGGAGCAGGAATGGAACGACTACAAGCTCAAGTGGAATCCGGACGACTACGGCGGAGTGGAGACGTTGCACGTCCCGTCTGAACACATATGGCTGCCCGACATCGTGCTCTACAACAACGCGGACGGCAACTACGAGGTGACCATCATGACCAAGGCCATTCTGCACCACACGGGCAAGGTGGTGTGGAAGCCGCCCGCCATCTACAAGAGCTTCTGCGAGATCGACGTGGAGTACTTCCCCTTCGACGAGCAGACGTGCTTCATGAAGTTCGGCTCGTGGACGTACGACGGGTACATGGTGGATCTTAGGCATATTAACCAAACGGAGGGTTCGGACACCATCAACGTGGGCATCGACCTCCAGGACTACTACCTGTCGGTGGAGTGGGACATCATGAAGGTGCCGGCGGTTCGCAACGAGAAGTTCTACTCGTGTTGTGAAGAGCCCTACCCCGACATCATCTTCAACATCACGCTGCGCAGGAAGACCCTCTTCTACACCATCAACCTCATCATCCCCTGCGTCGGCATCTCCTTCTTGTCCGTGCTTGTTTTCTACCTACCGTCCGACTCGGGCGAGAAGGTGTCACTCTGCATCTCCATCTTGCTGTCGCTCACTGTGTTCTTCCTCTTACTCGCCGAGATTATCCCGCCCACCTCTCTGACGGTGCCGCTCCTCGGCAAGTACCTGTTATTCACCATGGTGCTCGTCACGCTCTCCGTCGTCGTCACCATCATCGTGCTCAATGTCAACTTCCGCTCTCCGGTCACCCATCGCATGAAGCCCTGGGTGCAGAGATTTTTTATAAACACATTACCTAAGCTATTATGCATTCAGAGGCCAAAGAAAGAAGACTCCGGGGATGAGGACGAGACAGACGTCGCCCTCACCTCACTAGACGTCCCCTCCGAGATAGACAAGTATGTCAACTACGGAGGGAAGAGACTTAGTGCAGACTTTGAAATTGGCGTCTTACCGCCGTCAATACAACCTTCTTCGAGGTTCGACATGGATCTCCACGCGGCACTGCCGCCGTTGCCTCCTCCACTGCCGGGTCCGGACGACGACCTGTTCAGTGCGGGCTGCGGCGGCACCATCTGCGGTGGGCCCTGTGGGGTGCCTGGGGACGTCAGCCCGGCCTTCAGGGACATGGACAAGACCGTGGAGGACGCGAGGTTCATCGCGCAGCACGTTAGGAACAAGGACAAGTTCGAGAACGTGATGGAAGACTGGAAGTACGTGGCCATGGTGCTCGACCGGCTGTTCCTGTGGATCTTCTCGGCGGCCTGCATCAGCGGCACCGCGCTCATCATCCTGCAGGCACCGGCCCTGTACGACTACACGGACCCCATCGACCTCAAGTACTCCAAGGTGGCCAAGAAGAACATGCTCATCATGTCCATGATGGGGCCCGAAGAGGAGTAG