

1051, 1056, 1061, 1071, 1073, 1075, 1077, 1079, 1081, 1083, 1085, 1087, 1089, 1091, 1093, 1095, 1097, 1099, 1101, 1103, 1105, 1107, 1109, 1111, 1113, 1161-1571, 1572, 1577, 1582, 1587, 1592, 1597, 1602, 1607, 1612, 1617, 1622, 1627, 1632, 1637, 1642, 1647, 1652, 1657, 1662, 1667, 1672, 1677, 1682, 1684, 1686, 1688, 1690, 1692, 1694, 1696, 1698, 1700, 1702, 1704, 1730-2039, 2040, 2045, 2050, 2055, 2060, 2065, 2070, 2075, 2080, 2085, 2090, 2095, 2100, 2102, 2104, 2106, 2108, 2120-2338, 2339, 2344, 2349, 2354, 2359, 2364, 2366, 2368, 2370, 2372, 2384-2460, 2461, 2466, 2471, 2476 and 2481; and a double stranded ribonucleotide sequence produced from the expression of a polynucleotide sequence, wherein contact of said ribonucleotide sequence by a pest inhibits the growth of said pest.

20. The ribonucleotide sequence of claim **19**, wherein contact of said sequence inhibits expression of a nucleotide sequence substantially complementary to said sequence.

21. A cell transformed with a polynucleotide of any of claim **19**.

22. The cell of claim **21**, wherein said cell is a bacterial, yeast, or algal cell.

23. A food product comprising the cell of claim **22**.

24. The food product of claim **23**, wherein said food product is selected from the group consisting of stored grains, pet food, and powdered chocolate.

25. A composition comprising the polynucleotide of claim **19**.

26. The composition of claim **25**, wherein said composition is selected from the group consisting of a spray, powder, pellet, gel, capsule, food product, garment bag, and book.

27. A method for controlling pest infestation, comprising exposing a pest to a composition comprising a polynucleotide sequence that inhibits a pest biological activity.

28. The method of claim **27**, wherein said polynucleotide sequence is set forth in any of SEQ ID NOs: 1, 3, 5, 7, 9, 11,

13, 15, 17, 19, 21, 23, 49-158, 159, 160, 163, 168, 173, 178, 183, 188, 193, 198, 203, 208, 215, 220, 225, 230, 247, 249, 251, 253, 255, 257, 259, 275-472, 473, 478, 483, 488, 493, 498, 503, 513, 515, 517, 519, 521, 533-575, 576, 581, 586, 591, 596, 601, 603, 605, 607, 609, 621-767, 768, 773, 778, 783, 788, 793, 795, 797, 799, 801, 813-862, 863, 868, 873, 878, 883, 888, 890, 892, 894, 896, 908-1040, 1041, 1046, 1051, 1056, 1061, 1071, 1073, 1075, 1077, 1079, 1081, 1083, 1085, 1087, 1089, 1091, 1093, 1095, 1097, 1099, 1101, 1103, 1105, 1107, 1109, 1111, 1113, 1161-1571, 1572, 1577, 1582, 1587, 1592, 1597, 1602, 1607, 1612, 1617, 1622, 1627, 1632, 1637, 1642, 1647, 1652, 1657, 1662, 1667, 1672, 1677, 1682, 1684, 1686, 1688, 1690, 1692, 1694, 1696, 1698, 1700, 1702, 1704, 1730-2039, 2040, 2045, 2050, 2055, 2060, 2065, 2070, 2075, 2080, 2085, 2090, 2095, 2100, 2102, 2104, 2106, 2108, 2120-2338, 2339, 2344, 2349, 2354, 2359, 2364, 2366, 2368, 2370, 2372, 2384-2460, 2461, 2466, 2471, 2476 and 2481.

29. A pesticide comprising a polynucleotide of claim **19**.

30. A method for protecting an object from pest infestation, comprising treating the surface of said object with a composition comprising a polynucleotide of claim **19**.

31. The method of claim **30**, wherein said object is selected from the group consisting of wood, tree, book binding, cloth, and a food storage container.

32. A method for preventing or treating an insect infestation comprising administering a composition according to claim **25**.

33. A method for preventing or treating a nematode infestation comprising administering a composition according to claim **25**.

34. A method for preventing or treating a fungal infection comprising administering a composition according to claim **25**.

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