

TABLE 8-continued

Characterization of <i>Xenorhabdus</i> and <i>Photorhabdus</i> Strains							
Bacterial Strain	Symbiotic nematode	WCR Activity	XIP-8 PCR product	XIP-9/10 PCR product	XIP-1/2 PCR product	OmpR PCR product	Southern (XIP-8)
85828	<i>S. carpocapsae</i> ²	yes	no	yes	no	yes	no
85830	<i>S. kraussei</i> ³	yes	no	no	no	yes	no
85831	<i>Steinemema</i> sp	yes	no	no	no	yes	no
85832 ⁴	<i>Heterorhabditis</i> sp	yes	no	no	no	yes	no

¹denotes a nematode species substantially like *Steinernema intermedium*

²denotes a nematode species substantially like *Steinernema carpocapsae*

³denotes a nematode species substantially like *Steinernema kraussei*

⁴85832 denotes a *Photorhabdus* strain isolated from a *Heterorhabditis* nematode species.

LENGTHY TABLES

The patent application contains a lengthy table section. A copy of the table is available in electronic form from the USPTO web site (<http://seqdata.uspto.gov/?pageRequest=docDetail&DocID=US20110167520A1>). An electronic copy of the table will also be available from the USPTO upon request and payment of the fee set forth in 37 CFR 1.19(b)(3).

SEQUENCE LISTING

The patent application contains a lengthy "Sequence Listing" section. A copy of the "Sequence Listing" is available in electronic form from the USPTO web site (<http://seqdata.uspto.gov/?pageRequest=docDetail&DocID=US20110167520A1>). An electronic copy of the "Sequence Listing" will also be available from the USPTO upon request and payment of the fee set forth in 37 CFR 1.19(b)(3).

1-64. (canceled)

65. A substantially purified nucleic acid molecule comprising a nucleic acid sequence having at least 90% sequence identity with SEQ ID NO: 753 or the complement thereof.

66. The substantially purified nucleic acid molecule of claim **65**, wherein said nucleic acid sequence has at least 95% sequence identity with SEQ ID NO: 753 or the complement thereof.

67. The substantially purified nucleic acid molecule of claim **65**, wherein said nucleic acid sequence has at least 98% sequence identity with SEQ ID NO: 753 or the complement thereof.

68. The substantially purified nucleic acid molecule of claim **65**, wherein said nucleic acid sequence is 100% identical to SEQ ID NO: 753 or the complement thereof.

69. A substantially purified polypeptide comprising an amino acid sequence having at least 90% sequence identity with the amino acid sequence of SEQ ID NO: 5012 or the complement thereof.

70. The substantially purified polypeptide of claim **69**, wherein said amino acid sequence has at least 95% sequence identity with the amino acid sequence of SEQ ID NO: 5012 or the complement thereof.

71. The substantially purified polypeptide of claim **69**, wherein said amino acid sequence has at least 98% sequence identity with the amino acid sequence of SEQ ID NO: 5012 or the complement thereof.

72. The substantially purified polypeptide of claim **69**, wherein said amino acid sequence is 100% identical with the amino acid sequence of SEQ ID NO: 5012 or the complement thereof.

73. A substantially purified nucleic acid molecule comprising a nucleic acid sequence having at least 90% sequence identity with SEQ ID NO: 754 or the complement thereof.

74. The substantially purified nucleic acid molecule of claim **73**, wherein said nucleic acid sequence has at least 95% sequence identity with SEQ ID NO: 754 or the complement thereof.

75. The substantially purified nucleic acid molecule of claim **73**, wherein said nucleic acid sequence has at least 98% sequence identity with SEQ ID NO: 754 or the complement thereof.

76. The substantially purified nucleic acid molecule of claim **73**, wherein said nucleic acid sequence is 100% identical to SEQ ID NO: 754 or the complement thereof.

77. A substantially purified polypeptide comprising an amino acid sequence having at least 90% sequence identity with the sequence amino acid sequence of SEQ ID NO: 5013 or the complement thereof.

78. The substantially purified polypeptide of claim **77**, wherein said amino acid sequence has at least 95% sequence identity with the amino acid sequence of SEQ ID NO: 5013 or the complement thereof.