

Molecular typing of the ISA1307 strain

Taxonomic classification of the ISA1307 strain was performed based on the comparison of nucleotide sequence of *RPB1*, *RPB2*, *EF1- α* and β -tubulin-encoding gene) with DNA sequences deposited at GeneBank. The sequence of *RPB1*, *RPB2*, β -tubulin and *EF1- α* genes was obtained from the genome sequence. The table shows the results obtained with the 3-top hits obtained for each gene sequence as well as the nucleotide variations (including gaps) observed. The two gene copies of *RPB2*, *EF1- α* and β -tubulin found in ISA1307 genome were named 1 and 2.

Gene of the ISA1307 strain	Top similar hits	Nucleotide variations
<i>RPB1_1</i> (ZBAI_00500)	1. <i>Z. bailii</i> CLIB 213 ^T (=ATCC 58445)	0 (660/660)
	2. <i>Z. bailii</i> ATCC 8766	0 (660/660)
	3. <i>Z. bailii</i> ATCC 38924	0 (660/660)
<i>RPB2_1</i> (ZBAI_09456)	1. <i>Z. bailii</i> CLIB 213 ^T (=ATCC 58445)	1 (1031/1032)
	2. <i>Z. bailii</i> ATCC 38924	1 (1032/1033)
	3. <i>Z. bailii</i> ATCC 8766	2 (1031/1033)
<i>RPB2_2</i> (ZBAI_03774)	1. <i>Z. parabailii</i> ATCC 60483	43 (990/1032)*
	2. <i>Z. parabailii</i> ATCC 8099	44 (989/1032)*
	3. <i>Z. parabailii</i> ATCC 56075	45 (988/1032)*
<i>EF1-α_1</i> (ZBAI_05667)	1. <i>Z. bailii</i> CLIB 213 ^T (=ATCC 58445)	0 (932/932)
	2. <i>Z. pseudobailii</i> ATCC 56074	23 (909/932)
	3. <i>Z. parabailii</i> ATCC 56075	19 (913/932)
<i>EF1-α_2</i> (ZBAI_00412)	1. <i>Z. parabailii</i> ATCC 56074	1 (871/872)
	2. <i>Z. bailii</i> NRRL Y-2228	16** (853/869)
	3. <i>Z. bailii</i> CLIB 213 ^T (ATCC58445)	18 (854/872)
<i>β-tubulin_1</i> (ZBAI_01412)	1. <i>Z. parabailii</i> ATCC 56075	36 (846/882)
	2. <i>Z. bailii</i> CLIB 213 ^T (=ATCC 58445)	36 (846/882)
	3. <i>Z. pseudobailii</i> ATCC 56074	57 (825/882)
<i>β-tubulin_2</i> (scaffold 17:12075-12296)	1. <i>Z. bailii</i> CLIB213 ^T (=ATCC 58445)	1 (881/882)
	2. <i>Z. parabailii</i> ATCC 56075	37 (845/882)
	3. <i>Z. pseudobailii</i> ATCC 56074	41 (841/882)

* The differences identified correspond to ambiguous positions (W, R or Y) described in *Z. pseudobailii* and *Z. parabailii* strains; ** The different nucleotides correspond to 'Ns' in strain Y-2228;