

Setting up BLAST search

General Data

Analysis type:

Name: Paste Tri12 sequences into BLAST input box

Choose input file in FASTA format:

Paste 1-1000 sequences in FASTA format

```
>
ATGACTGCTACAGTTCACGAAAAGGTGTCGACCTGAATCTCAGCCAGACGACAGGTTGCGAGCCCAAGCC
CTCGCCACTACAGCCGATGAGCTTCCAGAGGGATATTACACCTCGCCTCGTGTGATAGCTTCCTTCGCAGGG
TTCTCTCTCAATGTCTGCACTACCTACTTTGTTCTTCAAGCATCAGCCTCTGCTCTTCCAACATTCTCCAGGA
CATTGGCCAGAGCGATAACCAAAGTCTCTTCTCGACTCTATGGACGATGGGTCAAGCTGTCAGCATCCTGGT
GATGGGTGCTCTTACGGATAGATTTGGGCGACGACCATTGTGCATAGCTACTCATATCCTTGGCCTTGTGGT
```

Program Parameters

No of alignments:

Output style: Select ToxGen

Algorithm parameters:

Unite GenBank Environmental ToxGen

These are the finalized results of your BLAST run.

[You can click here for a very condensed summary of the results](#)

```
# BLASTN 2.2.26 [Sep-21-2011]
# Database: data/dbs4plutof/tri12
# Mode: ultra condensed output
Additional UNITE taxon name is in gray colour.
```

```
Query - The name of the query (input) sequence
Reference - The name of the reference sequence
Score - The BLAST score
E-value - The BLAST E-value
Prcnt - Percent identity over the BLAST alignment
MisM - The number of mismatches over the BLAST alignment
Qstart - The position in the query sequence where the BLAST alignment starts
Qend - The position in the query sequence where the BLAST alignment ends
Rstart - The position in the reference sequence where the BLAST alignment starts
Rend - The position in the reference sequence where the BLAST alignment ends
```

Click on the strain code to view strain metadata

Query 1 of	Reference	Score	E-value	Prcnt	MisM	Qstart	Qend	Rstart
	530092 AB060689 Gibberella zeae (as Fusarium graminearum)							
	AB060689 Gibberella zeae (as Fusarium graminearum)	3520	0.0	100.00	0000	1	1906	1
	AY102575 Fusarium asiaticum	3515	0.0	99.95	0001	1	1906	1
	AY102604 Fusarium asiaticum	3487	0.0	99.69	0006	1	1906	1
	KX197185 Fusarium	3290	0.0	97.85	0035	1	1906	1
	KX197188 Fusarium louisianense	3256	0.0	97.54	0041	1	1906	1
	KM408169 Fusarium ussurianum	3256	0.0	97.54	0041	1	1906	1
	KU572426 Fusarium culmorum	3057	0.0	95.65	0074	1	1906	1