

Blast Assignment

Introduction to Bioinformatics

BTX-431

Submitted To :

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Assistant Professor

BioTech Department


Submitted By :

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Roll No. : 17103011

Branch : CSE Final year

1. Banyan Tree (*Ficus benghalensis*) :

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Job Title **gb|JX856455.2|**

RID [T4R1SN31014](#) Search expires on 10-24 12:29 pm [Download All ▼](#)

Program BLASTN [Citation ▼](#)

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Query ID [JX856455.2](#)

Description Ficus benghalensis isolate 383 internal transcribed spacer 1, | ...

Molecule type nucleic acid

Query Length 390

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	Description	Max Score	Total Score	Query Cover	E value	Per. Ident	Accession
<input checked="" type="checkbox"/>	Ficus benghalensis isolate 383 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene, complete sequence; and internal t	721	721	100%	0.0	100.00%	JX856455.2
<input checked="" type="checkbox"/>	Ficus benghalensis isolate FBE-7 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and i	721	721	100%	0.0	100.00%	AY730065.1
<input checked="" type="checkbox"/>	Ficus altissima isolate FAL-6 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and intern	721	721	100%	0.0	100.00%	AY730064.1
<input checked="" type="checkbox"/>	Ficus benghalensis isolate 28 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1 and 5.8S ribosomal RNA gene, com	717	717	99%	0.0	100.00%	HM368185.1
<input checked="" type="checkbox"/>	Ficus benghalensis isolate 236 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1 and 5.8S ribosomal RNA gene, com	717	717	99%	0.0	100.00%	HM368184.1

2. Peacock (Pavo cristatus):

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RID [T4RS72DM016](#) Search expires on 10-24 12:41 pm [Download All](#) ▼

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Query ID [AY354193.1](#)

Description Pavo cristatus breed white peafowl activin beta A peptide pre ...

Molecule type nucleic acid

Query Length 345

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	Description	Max Score	Total Score	Query Cover	E value	Per. Ident	Accession
<input checked="" type="checkbox"/>	Pavo cristatus breed white peafowl activin beta A peptide precursor, gene, partial cds	638	638	100%	8e-179	100.00%	AY354193.1
<input checked="" type="checkbox"/>	Pavo cristatus activin beta A peptide precursor, gene, partial cds	616	616	100%	4e-172	98.84%	AY354192.1
<input checked="" type="checkbox"/>	Pavo muticus activin beta A peptide precursor, gene, partial cds	599	599	100%	4e-167	97.97%	AY354191.1
<input checked="" type="checkbox"/>	PREDICTED: Gallus gallus inhibin beta A subunit (INHBA), transcript variant X1, mRNA	579	579	98%	5e-161	97.35%	XM_015281320.2
<input checked="" type="checkbox"/>	Gallus gallus inhibin/activin beta A-subunit mRNA, complete cds	579	579	98%	5e-161	97.35%	U42377.1

3. Penicillium:

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Query ID

DJ447248.1

Description

Process for manufacturing oligosaccharide inclusion by Penicillium...

Molecule type

dna

Query Length

321

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<input checked="" type="checkbox"/>	Penicillium guaiabense isolate 23EM7 large subunit ribosomal RNA gene, partial sequence	588	588	100%	7e-164	99.69%	MK595452.1
<input checked="" type="checkbox"/>	Penicillium simplicissimum strain CBS 130.63 large subunit ribosomal RNA gene, partial sequence	588	588	100%	7e-164	99.69%	MH869838.1
<input checked="" type="checkbox"/>	Penicillium brefeldianum strain CBS 254.55 large subunit ribosomal RNA gene, partial sequence	588	588	100%	7e-164	99.69%	MH869013.1
<input checked="" type="checkbox"/>	Penicillium brefeldianum strain CBS 341.51 large subunit ribosomal RNA gene, partial sequence	588	588	100%	7e-164	99.69%	MH868411.1
<input checked="" type="checkbox"/>	Penicillium javanicum strain R56.28S ribosomal RNA gene, partial sequence	588	588	100%	7e-164	99.69%	MF373355.1

4. Lactobacillus acidophilus:

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Query ID HM162431.1
Description Lactobacillus acidophilus strain JCM_1132 DNA-directed RN...
Molecule type nucleic acid
Query Length 339
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<input checked="" type="checkbox"/>	Uncultured Lactobacillus sp. isolate DGGE gel band C1 DNA-directed RNA polymerase beta subunit (rpoB) gene, partial cds	627	627	100%	2e-175	100.00%	HM162444.1
<input checked="" type="checkbox"/>	Uncultured Lactobacillus sp. isolate DGGE gel band C11 DNA-directed RNA polymerase beta subunit (rpoB) gene, partial cds	616	616	100%	4e-172	99.41%	HM162443.1
<input checked="" type="checkbox"/>	Lactobacillus acidophilus strain LA-G80-111 chromosome, complete genome	612	612	99%	5e-171	99.41%	CP054559.1
<input checked="" type="checkbox"/>	Lactobacillus acidophilus strain YT1 chromosome, complete genome	612	612	99%	5e-171	99.41%	CP025200.1
<input checked="" type="checkbox"/>	Lactobacillus acidophilus strain DSM 20079 chromosome, complete genome	612	612	99%	5e-171	99.41%	CP020620.1

5. HIV(human immunodeficiency virus):

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Query ID [BD269233.1](#)

Description Genetic suppressor elements against human immunodeficiency virus...

Molecule type dna

Query Length 339

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<input checked="" type="checkbox"/>	HIV-1 isolate 1408_TCM_48 from USA defective genome	604	604	100%	8e-169	98.82%	MN467309.1
<input checked="" type="checkbox"/>	HIV-1 isolate IMB63 from USA complete genome	604	604	100%	8e-169	98.82%	MH843935.1
<input checked="" type="checkbox"/>	Human immunodeficiency virus type 1 isolate BRU complete genome (LAV-1)	604	604	100%	8e-169	98.82%	K02013.1
<input checked="" type="checkbox"/>	HIV-1 isolate IIIB from United Kingdom complete genome	599	599	100%	4e-167	98.53%	KJ925006.1
<input checked="" type="checkbox"/>	Synthetic construct strain HIV-1 type 1b consensus complete sequence	593	593	100%	2e-165	98.23%	MN919177.1