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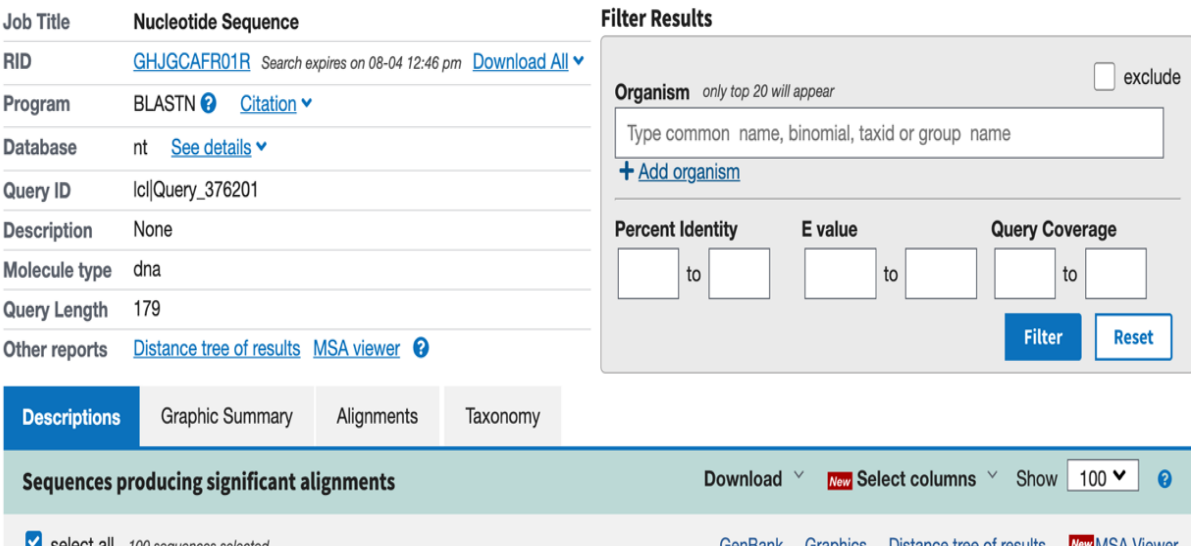
LAMPIRAN

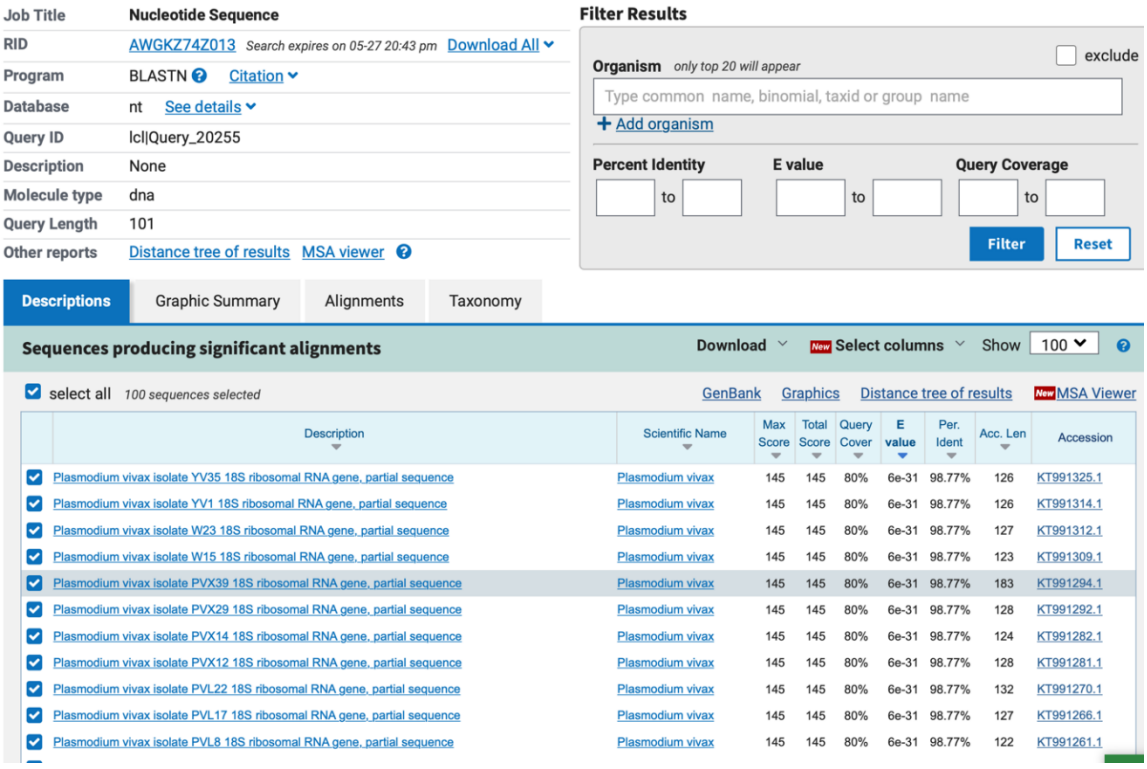
Lampiran 1. Cara menentukan hewan sehat atau sakit secara umum

No.		Hewan sehat:	Hewan sakit:
1	Penglihatan	Tajam	Tidak tajam
2	Makan	Mengunyah	Tidak mengunyah
3	Mata	Mata cerah dan selaput mata merah muda	Mata kusam
4	Urin	Urin normal	Urin berubah warna
5	Feses	Feses normal	Feses abnormal
6	Suhu	Temperatur normal	Temperatur tinggi
7	Cara berjalan	Tidak pincang	Pincang
8	Pernapasan	Respirasi normal	Sesak nafas/batuk
9	Kelompok	Tetap dalam kawanannya	Memisahkan diri dari kawanan
10	Kebiasaan makan	Makan dan minum seperti biasa	Kehilangan selera makan
11	Nadi	Denyut nadi normal	Denyut nadi tidak normal

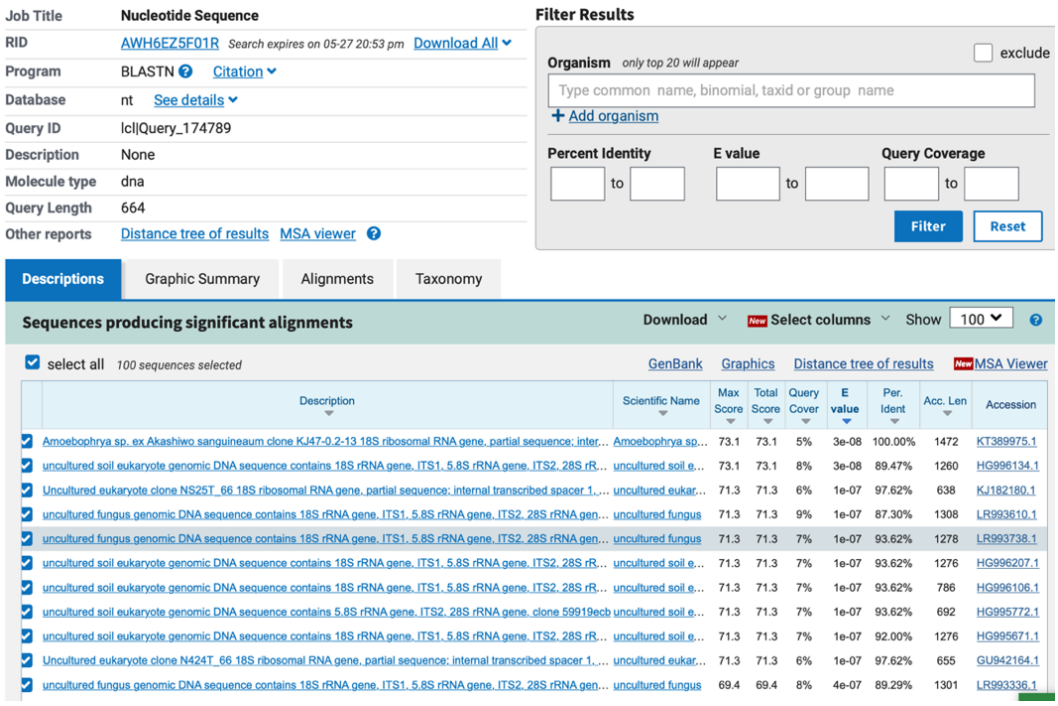
Lampiran 2. Hasil Blast sampel *Plasmodium falciparum* dari Desa Gaura



Lampiran 3: Hasil blast urutan DNA hasil sequencing; *Plasmodium vivax*.



Lampiran 4: Hasil BLAST sampel filaria dengan primer FI1 dan FI2



Job Title	Nucleotide Sequence
RID	AWH6EZ5F01R Search expires on 05-27 20:53 pm Download All
Program	BLASTN Citation
Database	nt See details
Query ID	lcl|Query_174789
Description	None
Molecule type	dna
Query Length	664
Other reports	Distance tree of results MSA viewer

Filter Results

Organism only top 20 will appear — exclude

Type common name, binomial, taxid or group name

+ Add organism

Percent Identity to | E value to | Query Coverage to

Filter Reset

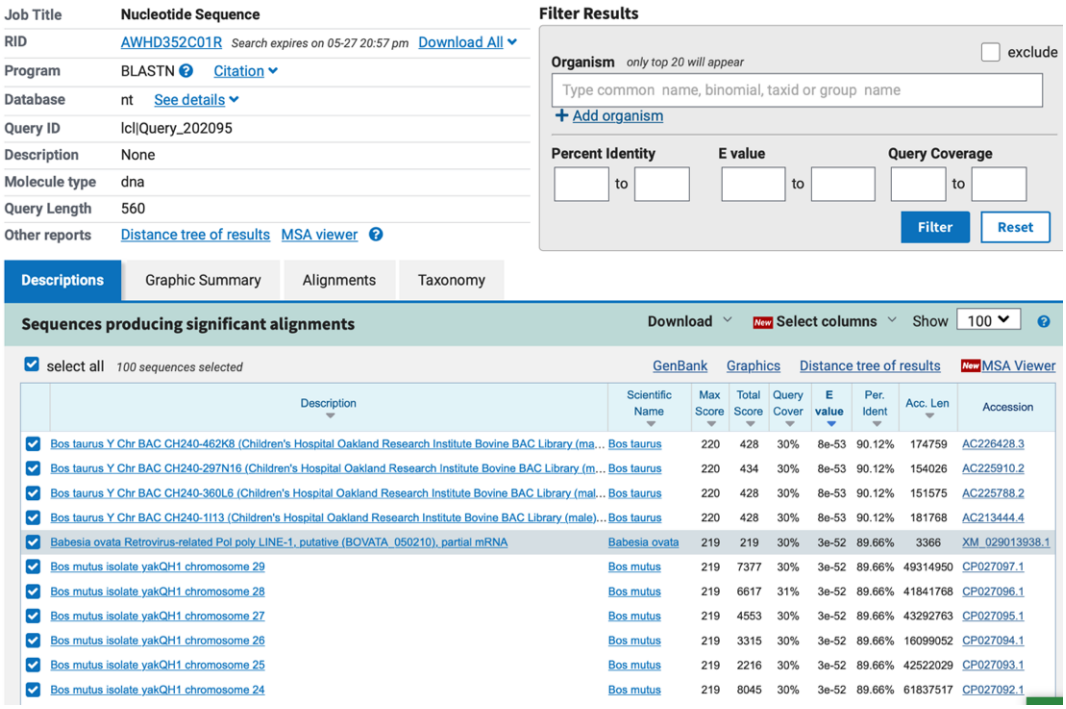
Descriptions | Graphic Summary | Alignments | Taxonomy

Sequences producing significant alignments — Download — Select columns — Show 100

select all 100 sequences selected — GenBank Graphics Distance tree of results MSA Viewer

Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accession
Amoebophrya sp. ex Akashiwo sanguineaum clone KJ47-0.2-13 18S ribosomal RNA gene, partial sequence; inter...	Amoebophrya sp...	73.1	73.1	5%	3e-08	100.00%	1472	KT389975.1
uncultured soil eukaryote genomic DNA sequence contains 18S rRNA gene, ITS1, 5.8S rRNA gene, ITS2, 28S rR...	uncultured soil e...	73.1	73.1	8%	3e-08	89.47%	1260	HG996134.1
Uncultured eukaryote clone NS25T_66 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1,...	uncultured eukar...	71.3	71.3	6%	1e-07	97.62%	638	KJ182180.1
uncultured fungus genomic DNA sequence contains 18S rRNA gene, ITS1, 5.8S rRNA gene, ITS2, 28S rRNA gen...	uncultured fungus	71.3	71.3	9%	1e-07	87.30%	1308	LR993610.1
uncultured fungus genomic DNA sequence contains 18S rRNA gene, ITS1, 5.8S rRNA gene, ITS2, 28S rRNA gen...	uncultured fungus	71.3	71.3	7%	1e-07	93.62%	1278	LR993738.1
uncultured soil eukaryote genomic DNA sequence contains 18S rRNA gene, ITS1, 5.8S rRNA gene, ITS2, 28S rR...	uncultured soil e...	71.3	71.3	7%	1e-07	93.62%	1276	HG996207.1
uncultured soil eukaryote genomic DNA sequence contains 18S rRNA gene, ITS1, 5.8S rRNA gene, ITS2, 28S rR...	uncultured soil e...	71.3	71.3	7%	1e-07	93.62%	786	HG996106.1
uncultured soil eukaryote genomic DNA sequence contains 5.8S rRNA gene, ITS2, 28S rRNA gene, clone 59919ecb	uncultured soil e...	71.3	71.3	7%	1e-07	93.62%	692	HG995772.1
uncultured soil eukaryote genomic DNA sequence contains 18S rRNA gene, ITS1, 5.8S rRNA gene, ITS2, 28S rR...	uncultured soil e...	71.3	71.3	7%	1e-07	92.00%	1276	HG995671.1
Uncultured eukaryote clone N424T_66 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1,...	uncultured eukar...	71.3	71.3	6%	1e-07	97.62%	655	GU942164.1
uncultured fungus genomic DNA sequence contains 18S rRNA gene, ITS1, 5.8S rRNA gene, ITS2, 28S rRNA gen...	uncultured fungus	69.4	69.4	8%	4e-07	89.29%	1301	LR993336.1

Lampiran 5: Hasil BLAST sampel filaria dengan primer HhaI



Job Title	Nucleotide Sequence
RID	AWHD352C01R Search expires on 05-27 20:57 pm Download All
Program	BLASTN Citation
Database	nt See details
Query ID	lcl|Query_202095
Description	None
Molecule type	dna
Query Length	560
Other reports	Distance tree of results MSA viewer

Filter Results

Organism only top 20 will appear — exclude

Type common name, binomial, taxid or group name

+ Add organism

Percent Identity to | E value to | Query Coverage to

Filter Reset

Descriptions | Graphic Summary | Alignments | Taxonomy

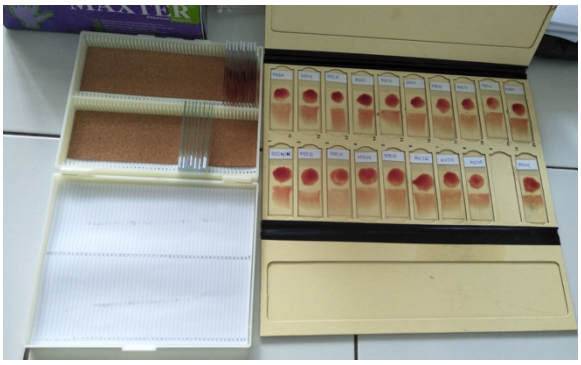
Sequences producing significant alignments — Download — Select columns — Show 100

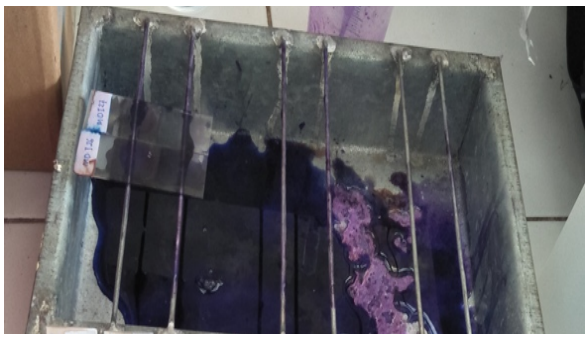
select all 100 sequences selected — GenBank Graphics Distance tree of results MSA Viewer

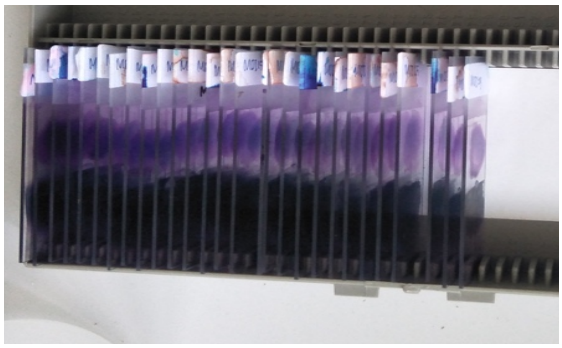
Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accession
Bos taurus Y Chr BAC CH240-462K8 (Children's Hospital Oakland Research Institute Bovine BAC Library (ma...	Bos taurus	220	428	30%	8e-53	90.12%	174759	AC226428.3
Bos taurus Y Chr BAC CH240-297N16 (Children's Hospital Oakland Research Institute Bovine BAC Library (m...	Bos taurus	220	434	30%	8e-53	90.12%	154026	AC225910.2
Bos taurus Y Chr BAC CH240-360L6 (Children's Hospital Oakland Research Institute Bovine BAC Library (mal...	Bos taurus	220	428	30%	8e-53	90.12%	151575	AC225788.2
Bos taurus Y Chr BAC CH240-1I13 (Children's Hospital Oakland Research Institute Bovine BAC Library (male)...	Bos taurus	220	428	30%	8e-53	90.12%	181768	AC213444.4
Babesia ovata Retrovirus-related Pol poly LINE-1, putative (BOVATA_050210), partial mRNA	Babesia ovata	219	219	30%	3e-52	89.66%	3366	XM_029013938.1
Bos mutus isolate yakQH1 chromosome 29	Bos mutus	219	7377	30%	3e-52	89.66%	49314950	CP027097.1
Bos mutus isolate yakQH1 chromosome 28	Bos mutus	219	6617	31%	3e-52	89.66%	41841768	CP027096.1
Bos mutus isolate yakQH1 chromosome 27	Bos mutus	219	4553	30%	3e-52	89.66%	43292763	CP027095.1
Bos mutus isolate yakQH1 chromosome 26	Bos mutus	219	3315	30%	3e-52	89.66%	16099052	CP027094.1
Bos mutus isolate yakQH1 chromosome 25	Bos mutus	219	2216	30%	3e-52	89.66%	42522029	CP027093.1
Bos mutus isolate yakQH1 chromosome 24	Bos mutus	219	8045	30%	3e-52	89.66%	61837517	CP027092.1

Lampiran 6: Foto pengambilan sampel darah hewan

Lampiran 7: Foto pewarnaan giemsa slide darah hewan.

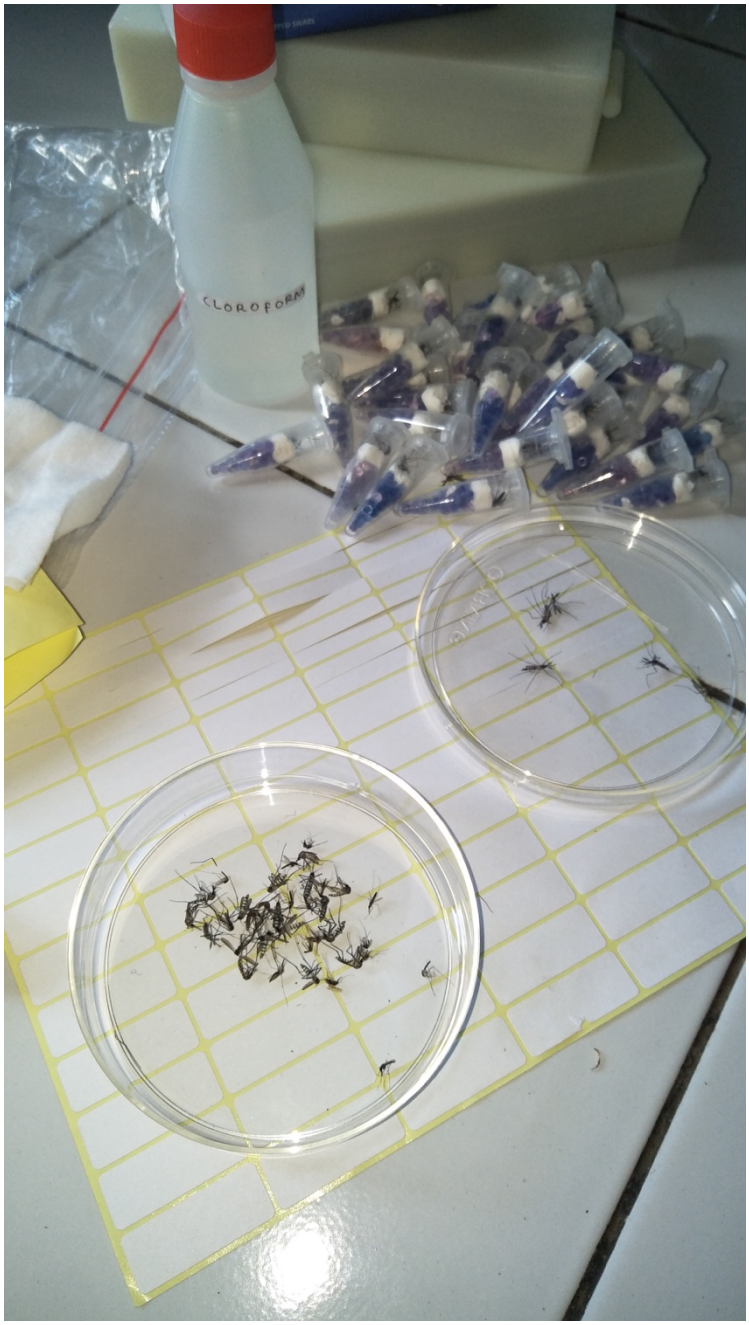




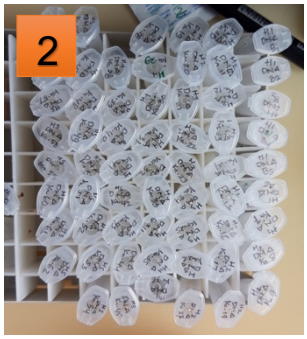


Lampiran 8: Pemeriksaan mikroskopis

Lampiran 9: Penyimpanan nyamuk pada tube yang berisi silica gel



Lampiran 10: Pemeriksaan molekuler



Catatan: 1) Proses Ekstraksi, 2) DNA hasil ekstraksi, 3) Proses Mix PCR, 4) Running PCR, 5) Proses elektroforesis.

Lampiran 11: Hasil PCR primer rPF1, rPF2 (918 bp) dan primer rPV1, rPV2 (714 bp).