



LAMPIRAN

LAMPIRAN

Lampiran 1. Observasi dan mengoleksi sampel telur penyu gagal tetas dari penangkaran yang ada di Bali utara



Memindahkan sampel telur penyu gagal tetas



Sampel telur penyu gagal tetas

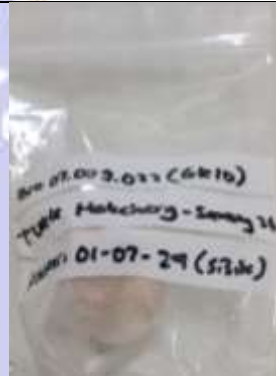
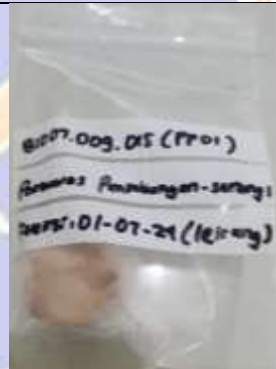


Sampel yang dikoleksi disimpan di plastik klip dan diberi *field ID*



Pengambilan telur penyu gagal tetas

Lampiran 2 Sampel telur penyu gagal tetas yang dikoleksi

Lokasi	Field ID	Kode Lab	Dokumentasi
Gerokgak	GK03	BIO07.009.003	
	GK10	BIO07.009.022	
Singaraja	PP01	BIO07.009.015	
	PP02	BIO07.009.016	

Seririt	SR01	BIO07.009.005	
	SR05	BIO07.009.029	

Lampiran 3 Ekstraksi sampel telur penyu



Lampiran 4 PCR (*Polymerase Chain Reaction*)



Lampiran 5 Elektroforesis



Lampiran 6 Hasil BLAST NCBI

☒ select all 100 sequences selected

	Description	Scientific Name	Max Score	Total Score	Query Cover	E-value	Pos. Ident	Acc. Len	Accession
☒	<i>Electrochromis irroratus</i> voucher D-2017-254-01-mtCR haplotype EF068 D-loop and 399A-Pto gene, partial	<i>Electrochromis i...</i>	1818	1818	99%	0.0	99.77%	930	PPS28879.1
☒	<i>Electrochromis irroratus</i> isolate (JCR001) genome assembly, assembled, mitochondrial	<i>Electrochromis i...</i>	1807	1807	100%	0.0	99.11%	1679	GZ223910.1
☒	<i>Electrochromis irroratus</i> voucher PYP2022027117286A-01-mtCR haplotype EF065 D-loop and 399A-Pto g...	<i>Electrochromis i...</i>	1802	1802	99%	0.0	99.43%	967	PPS28873.1
☒	<i>Electrochromis irroratus</i> voucher PYP2022027117281A-01-mtCR haplotype EF065 D-loop and 399A-Pto g...	<i>Electrochromis i...</i>	1581	1581	97%	0.0	99.43%	894	PPS28883.1
☒	<i>Electrochromis irroratus</i> voucher BR-01-mtCR haplotype EF065 D-loop and 399A-Pto gene, partial sequen...	<i>Electrochromis i...</i>	1581	1581	97%	0.0	99.43%	892	PPS28882.1
☒	<i>Electrochromis irroratus</i> isolate EF140 399A-Ttr gene, partial sequence, 399A-Pto gene, complete sequ...	<i>Electrochromis i...</i>	1579	1579	97%	0.0	99.31%	892	Q963645.1
☒	<i>Electrochromis irroratus</i> isolate 101_LCM10392_7 control region, partial sequence, mitochondrial	<i>Electrochromis i...</i>	1570	1570	99%	0.0	99.88%	894	JF929548.1
☒	<i>Electrochromis irroratus</i> mitochondrial, complete genome	<i>Electrochromis i...</i>	1570	1570	100%	0.0	99.33%	9590	NP221836.1
☒	<i>Electrochromis irroratus</i> haplotype EJAE13 399A-Ttr gene, partial sequence, 399A-Pto gene, complete s...	<i>Electrochromis i...</i>	1562	1562	99%	0.0	99.53%	852	KY303802.1
☒	<i>Electrochromis irroratus</i> haplotype EJAE13 399A-Ttr gene, partial sequence, 399A-Pto gene, complete s...	<i>Electrochromis i...</i>	1562	1562	99%	0.0	99.53%	852	KY303803.1
☒	<i>Electrochromis irroratus</i> haplotype EJAE13 399A-Ttr gene, partial sequence, 399A-Pto gene, complete s...	<i>Electrochromis i...</i>	1562	1562	99%	0.0	99.53%	852	KY303804.1
☒	<i>Electrochromis irroratus</i> haplotype EJAE13 399A-Ttr gene, partial sequence, 399A-Pto gene, complete s...	<i>Electrochromis i...</i>	1562	1562	99%	0.0	99.53%	852	KY303805.1
☒	<i>Electrochromis irroratus</i> haplotype EJAE13 399A-Ttr gene, partial sequence, 399A-Pto gene, complete s...	<i>Electrochromis i...</i>	1562	1562	99%	0.0	99.53%	852	KY303806.1
☒	<i>Electrochromis irroratus</i> isolate T3_LCM10382_7 control region, partial sequence, mitochondrial	<i>Electrochromis i...</i>	1539	1539	94%	0.0	99.64%	852	JF304047.1
☒	<i>Electrochromis irroratus</i> haplotype EJ_E708 D-loop, partial sequence, mitochondrial	<i>Electrochromis i...</i>	1530	1535	94%	0.0	99.70%	837	KJ803307.1
☒	<i>Electrochromis irroratus</i> voucher AA-01-mtCR haplotype EF065 D-loop and 399A-Pto gene, partial sequenc...	<i>Electrochromis i...</i>	1535	1535	94%	0.0	99.53%	857	PPS28880.1
☒	<i>Electrochromis irroratus</i> isolate 5787 mitochondrial, partial genome	<i>Electrochromis i...</i>	1531	1531	100%	0.0	99.68%	16394	JX548792.1
☒	<i>Electrochromis irroratus</i> haplotype EJ_E708 D-loop, partial sequence, mitochondrial	<i>Electrochromis i...</i>	1530	1530	94%	0.0	99.64%	837	KJ803304.1

☒ select all 100 sequences selected

	Description	Scientific Name	Max Score	Total Score	Query Cover	E-value	Pos. Ident	Acc. Len	Accession
☒	<i>Leptochelys olivacea</i> isolate 75620 mitochondrial, partial genome	<i>Leptochelys ol...</i>	1599	1599	98%	0.0	99.88%	16387	OK454987.1
☒	<i>Leptochelys olivacea</i> isolate TP_27C 399A-Ttr gene, partial sequence, 399A-Pto gene, complete sequ...	<i>Leptochelys ol...</i>	1598	1598	98%	0.0	99.43%	938	KY303845.1
☒	<i>Leptochelys olivacea</i> isolate Luv02 genome assembly, assembled, mitochondrial	<i>Leptochelys ol...</i>	1598	1598	98%	0.0	99.43%	16752	GZ221146.1
☒	<i>Leptochelys olivacea</i> isolate TP_26_3A362 399A-Ttr gene, partial sequence, 399A-Pto gene, complete...	<i>Leptochelys ol...</i>	1598	1598	98%	0.0	99.43%	924	KY303847.1
☒	<i>Leptochelys olivacea</i> isolate S0562 mitochondrial, partial genome	<i>Leptochelys ol...</i>	1598	1598	98%	0.0	99.43%	16379	OK454978.1
☒	<i>Leptochelys olivacea</i> isolate CUG-01a of mitochondrial, complete genome	<i>Leptochelys ol...</i>	1598	1598	98%	0.0	99.43%	16718	NC_028634.1
☒	<i>Leptochelys olivacea</i> isolate TP_3A_380 399A-Ttr gene, partial sequence, 399A-Pto gene, complete se...	<i>Leptochelys ol...</i>	1598	1598	98%	0.0	99.43%	944	KY303852.1
☒	<i>Leptochelys olivacea</i> isolate TP_22_3A_3830 399A-Ttr gene, partial sequence, 399A-Pto gene, complete...	<i>Leptochelys ol...</i>	1594	1594	98%	0.0	99.32%	926	KY303841.1
☒	<i>Leptochelys olivacea</i> isolate TP_32_3A388 399A-Ttr gene, partial sequence, 399A-Pto gene, complete...	<i>Leptochelys ol...</i>	1594	1594	98%	0.0	99.32%	926	KY303844.1
☒	<i>Leptochelys olivacea</i> haplotype K 399A-Ttr gene, partial sequence, 399A-Pto gene, complete sequence...	<i>Leptochelys ol...</i>	1592	1592	97%	0.0	99.54%	800	JO320193.1
☒	<i>Leptochelys olivacea</i> isolate Luv08 399A-Ttr gene, partial sequence, 399A-Pto gene, complete sequenc...	<i>Leptochelys ol...</i>	1592	1592	97%	0.0	99.54%	874	JO360817.1
☒	<i>Leptochelys olivacea</i> isolate TP_21 399A-Ttr gene, partial sequence, 399A-Pto gene, complete sequen...	<i>Leptochelys ol...</i>	1589	1589	97%	0.0	99.54%	872	KY303843.1
☒	<i>Leptochelys olivacea</i> voucher SH08LA000000014 399A-Ttr gene, partial sequence, and 399A-Pto gene...	<i>Leptochelys ol...</i>	1585	1585	97%	0.0	99.54%	890	JO420477.1
☒	<i>Leptochelys olivacea</i> voucher SH08LA000000020 399A-Ttr gene, partial sequence, and 399A-Pto gene...	<i>Leptochelys ol...</i>	1585	1585	97%	0.0	99.54%	890	JO420478.1
☒	<i>Leptochelys olivacea</i> isolate TP_36_3A384 399A-Ttr gene, partial sequence, 399A-Pto gene, complete...	<i>Leptochelys ol...</i>	1581	1581	97%	0.0	99.31%	877	KY303851.1
☒	<i>Leptochelys olivacea</i> isolate TP_33-3A383 399A-Ttr gene, partial sequence, 399A-Pto gene, complete s...	<i>Leptochelys ol...</i>	1581	1581	97%	0.0	99.20%	919	KY303850.1
☒	<i>Leptochelys olivacea</i> isolate Luv07 399A-Ttr gene, partial sequence, 399A-Pto gene, complete sequen...	<i>Leptochelys ol...</i>	1581	1581	97%	0.0	99.31%	876	JO460416.1
☒	<i>Leptochelys olivacea</i> voucher SH021104 D-loop, partial sequence, mitochondrial	<i>Leptochelys ol...</i>	1579	1579	99%	0.0	99.88%	896	JO173642.1

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

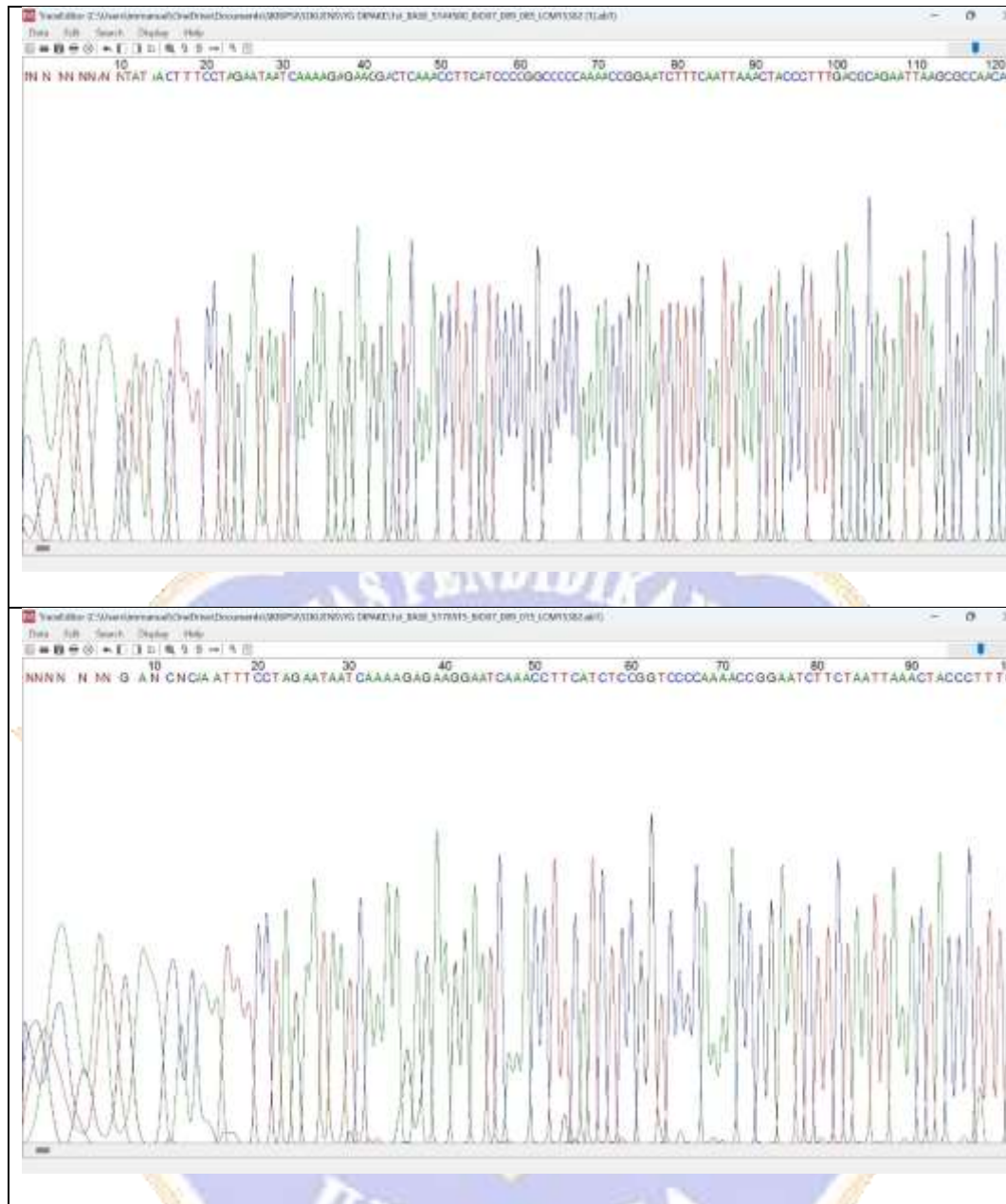
MISA Viewer

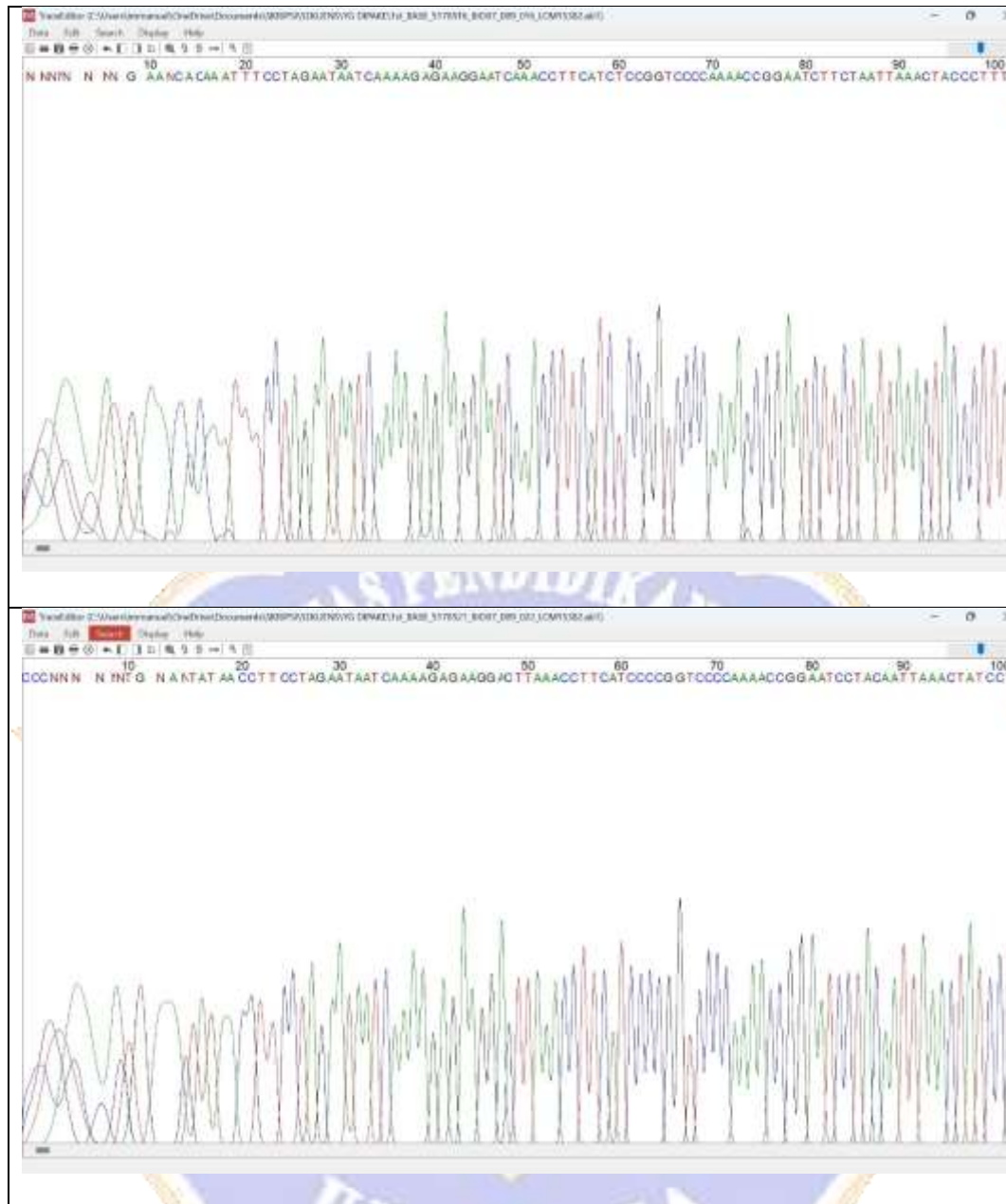
	Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Pos. Ident	Acc. Len	Accession
☒	Chelonis mydas voucher PPP20220427127293A.01.mtCR rRNA-The (mt) gene, partial sequence: rRNA-P...	Chelonis mydas	1604	1604	87%	0.0	99.77%	866	PP202432.1
☒	Chelonis mydas voucher PPP20220427127293A.01.mtCR rRNA-The (mt) gene, partial sequence: rRNA-P...	Chelonis mydas	1596	1596	87%	0.0	99.60%	866	PP202428.1
☒	Chelonis mydas isolate 8055 mitochondrion, complete genome	Chelonis mydas	1582	1582	88%	0.0	99.32%	16436	JX654671.1
☒	Chelonis mydas isolate 54902 mitochondrion, partial genome	Chelonis mydas	1582	1582	88%	0.0	99.32%	16436	JX654678.1
☒	Chelonis mydas isolate 52708 mitochondrion, complete genome	Chelonis mydas	1592	1592	88%	0.0	99.32%	16436	JX654675.1
☒	Chelonis mydas isolate T10BLA rRNA-The (mt) gene, partial sequence: rRNA-Pro (mtP) gene, complete s...	Chelonis mydas	1591	1591	87%	0.0	99.54%	899	FY037216.1
☒	Chelonis mydas isolate T2LOL rRNA-The (mt) gene, partial sequence: rRNA-Pro (mtP) gene, complete s...	Chelonis mydas	1591	1591	87%	0.0	99.54%	900	FY037205.1
☒	Chelonis mydas isolate T2LOL rRNA-The (mt) gene, partial sequence: rRNA-Pro (mtP) gene, complete s...	Chelonis mydas	1591	1591	87%	0.0	99.54%	900	FY037230.1
☒	Chelonis mydas voucher 289.01.mtCR rRNA-The (mt) gene, partial sequence: rRNA-Pro (mtP) gene, co...	Chelonis mydas	1591	1591	87%	0.0	99.54%	887	PP202410.1
☒	Chelonis mydas haplotype Cnp220.1 rRNA-The gene, partial sequence: rRNA-Pro gene, complete sequen...	Chelonis mydas	1589	1589	88%	0.0	99.32%	936	KP204837.1
☒	Chelonis mydas isolate T5BLA rRNA-The (mt) gene, partial sequence: rRNA-Pro (mtP) gene, complete s...	Chelonis mydas	1589	1589	87%	0.0	99.54%	896	FY037208.1
☒	Chelonis mydas isolate T1TUL rRNA-The (mt) gene, partial sequence: rRNA-Pro (mtP) gene, complete s...	Chelonis mydas	1585	1585	87%	0.0	99.43%	900	FY037235.1
☒	Chelonis mydas isolate T7BLA rRNA-The (mt) gene, partial sequence: rRNA-Pro (mtP) gene, complete s...	Chelonis mydas	1585	1585	87%	0.0	99.43%	900	FY037233.1
☒	Chelonis mydas isolate T2LOL rRNA-The (mt) gene, partial sequence: rRNA-Pro (mtP) gene, complete s...	Chelonis mydas	1585	1585	87%	0.0	99.43%	900	FY037227.1
☒	Chelonis mydas isolate T1LOL rRNA-The (mt) gene, partial sequence: rRNA-Pro (mtP) gene, complete s...	Chelonis mydas	1585	1585	87%	0.0	99.43%	900	FY037234.1

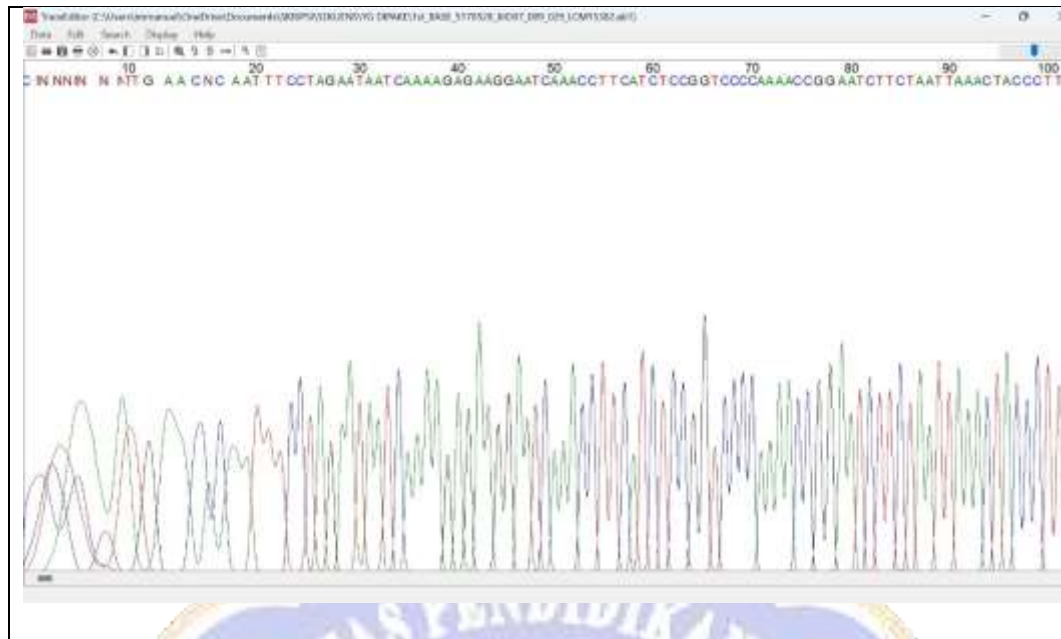
Descriptions	Graphic Summary	Alignments	Taxonomy					
Sequences producing significant alignments								
Download Select columns Show 100								
select all 100 sequences selected								
GenBank Graphics Distance tree of results MSA View								
Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Pos. Ident	Acc. Len	Accession
Leiodactylus olivaceus isolate 70820 mitochondrion, partial genome	Leiodactylus olivaceus	1443	1443	87%	0.0	96.06%	16367	JX654687.1
Leiodactylus olivaceus isolate TP_272 rRNA-The gene, partial sequence: rRNA-Pro gene, complete sequen...	Leiodactylus olivaceus	1432	1432	87%	0.0	96.89%	839	KY091845.1
Leiodactylus olivaceus isolate 5.eoCNG oocyte assembly, organelle, mitochondrion	Leiodactylus olivaceus	1432	1432	87%	0.0	96.89%	16732	GZ2221.65.1
Leiodactylus olivaceus isolate TP_28_VA382 rRNA-The gene, partial sequence: rRNA-Pro gene, complete...	Leiodactylus olivaceus	1432	1432	87%	0.0	96.83%	824	KY091847.1
Leiodactylus olivaceus haplotype K rRNA-The gene, partial sequence: rRNA-Pro gene, complete sequence...	Leiodactylus olivaceus	1432	1432	87%	0.0	96.83%	890	AY020219.1
Leiodactylus olivaceus isolate 95152 mitochondrion, partial genome	Leiodactylus olivaceus	1432	1432	87%	0.0	96.85%	16379	JX654679.1
Leiodactylus olivaceus isolate CCG-01Lal mitochondrion, complete genome	Leiodactylus olivaceus	1432	1432	87%	0.0	96.89%	16718	NC_028636.1
Leiodactylus olivaceus isolate TP_VA_386 rRNA-The gene, partial sequence: rRNA-Pro gene, complete se...	Leiodactylus olivaceus	1432	1432	87%	0.0	96.85%	844	KY091852.1
Leiodactylus olivaceus voucher MADIK AR000000194 rRNA-The gene, partial sequence: and rRNA-Pro gen...	Leiodactylus olivaceus	1428	1428	96%	0.0	96.82%	890	MF282677.1
Leiodactylus olivaceus voucher MADIK AR000000020 rRNA-The gene, partial sequence: and rRNA-Pro gen...	Leiodactylus olivaceus	1428	1428	96%	0.0	96.82%	890	MF282678.1
Leiodactylus olivaceus isolate TP_24_VA_3630 rRNA-The gene, partial sequence: rRNA-Pro gene, comple...	Leiodactylus olivaceus	1428	1428	87%	0.0	96.72%	820	KY091843.1
Leiodactylus olivaceus isolate TP_32_VA398 rRNA-The gene, partial sequence: rRNA-Pro gene, complete...	Leiodactylus olivaceus	1428	1428	87%	0.0	96.72%	826	KY091848.1
Leiodactylus olivaceus isolate Lo108 rRNA-The gene, partial sequence: rRNA-Pro gene, complete sequen...	Leiodactylus olivaceus	1424	1424	86%	0.0	96.11%	874	OR093417.1
Leiodactylus olivaceus isolate TP_21 rRNA-The gene, partial sequence: rRNA-Pro gene, complete sequen...	Leiodactylus olivaceus	1423	1423	90%	0.0	96.20%	872	KY091840.1
Leiodactylus olivaceus isolate TP_33_VA393 rRNA-The gene, partial sequence: rRNA-Pro gene, complete s...	Leiodactylus olivaceus	1410	1410	87%	0.0	95.48%	818	KY091890.1

Lampiran 7 *Electropherogram sequence* sampel telur penyu gagal tetas









Lampiran 8 Urutan basa nukleotida sampel, data pembanding, dan outgroup



Lampiran 9 Tempat Polimorfik dari sampel telur penyu



Lampiran 10 Hasil analisis variasi haplotipe

Input Data File: C:\...BIJAT DNA SP.fas
Number of sequences: 7 Number of sequences used: 7
Selected region: 1-869 Number of sites: 869
Total number of sites (excluding sites with gaps / missing data): 840

Sites with alignment gaps: not considered
Number of included positions: 869

***** Haplotype Distribution *****
Number of haplotypes, h: 6
Haplotype diversity, Hd: 0.9524

Hap_1: 1 [1]
Hap_2: 1 [2]
Hap_3: 2 [3-4]
Hap_4: 1 [5]
Hap_5: 1 [6]
Hap_6: 1 [7]

Hap_1: 1 [5144578_BIO07_009_003_LCM15382]
Hap_2: 1 [5144580_BIO07_009_005_LCM15382]
Hap_3: 2 [5178515_BIO07_009_015_LCM15382 5178516_BIO07_009_016_LCM15382]
Hap_4: 1 [5178521_BIO07_009_022_LCM15382]
Hap_5: 1 [MH375624.1]
Hap_6: 1 [5178528_BIO07_009_029_LCM15382]



RIWAYAT HIDUP



Immanuel Pratama lahir di Pir Trans Sosa pada tanggal 13 Agustus 2002. Penulis merupakan anak pertama dari pasangan suami istri Bapak Probel Irianto dan Marista. Penulis berkebangsaan Indonesia dan beragama Kristen. Penulis berasal dari desa Pir Trans Sosa I B, Kecamatan Sosa Timur, Kabupaten Padanglawas, Provinsi Sumatra Utara. Penulis menyelesaikan pendidikan Sekolah Dasar (SD) di SD Negeri 0718 Pir Trans Sosa IB pada tahun 2015, kemudian melanjutkan pendidikan ke jenjang Sekolah Menengah Pertama (SMP) di SMP Swasta Makarti dan lulus pada tahun 2018, melanjutkan ke SMA Swasta Bintang Timur Pematangsiantar dan lulus pada tahun 2021. Pada tahun 2021, penulis melanjutkan pendidikan ke Universitas Pendidikan Ganesha dengan mengambil Program Studi S1 Biologi di Jurusan Biologi dan Perikanan Kelautan. Mulai tahun 2021 hingga penyusunan skripsi ini, penulis masih terdaftar sebagai mahasiswa Program Studi S1 Biologi di Universitas Pendidikan Ganesha.

