

Table S1. Relationship of COI sequences for haplotypes, ID, previous haplotypes, BOLD ID, GenBank accession, and countries for Kemp's ridley (*Lepidochelys kempii*) in Mexico, 2018-2019 and other previously published sequences.

HAPLOTYPES	ID	PREVIOUS	BOLD ID	GENBANK	COUNTRY	REFERENCE
	HAPLOTYPE			ACCESSION		
	002_RN	NA	LKRNC002-20	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	003_RN	NA	LKRNC037-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	004_RN	NA	LKRNC038-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	005_TE*	NA	LKRNC003-20	NA	Tepehuaje, Soto La Marina, Tamaulipas, Mexico	
	006_MI*	NA	LKRNC004-20	NA	Miramar, Ciudad Madero, Tamaulipas, Mexico	
	007_AL*	NA	LKRNC005-20	NA	Altamira, Tamaulipas, Mexico	
	008_RN	NA	LKRNC021-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	009_MI*	NA	LKRNC006-20	NA	Miramar, Ciudad Madero, Tamaulipas, Mexico	
	010_RN	NA	LKRNC007-20	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	011_AL*	NA	LKRNC008-20	NA	Altamira, Tamaulipas, Mexico	
	012_RN	NA	LKRNC009-20	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	013_MI*	NA	LKRNC010-20	NA	Miramar, Ciudad Madero, Tamaulipas, Mexico	
	014_RN	NA	LKRNC011-20	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	015_RN	NA	LKRNC040-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	016_RN	NA	LKRNC041-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	017_RN	NA	LKRNC042-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	018_RN	NA	LKRNC043-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	019_RN	NA	LKRNC044-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	020_RN	NA	LKRNC045-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	021_RN	NA	LKRNC046-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	022_RN	NA	LKRNC047-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	023_RN	NA	LKRNC048-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	024_RN	NA	LKRNC049-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	025_RN	NA	LKRNC050-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	026_AL*	NA	LKRNC012-20	NA	Altamira, Tamaulipas, Mexico	

	027_AL*	NA	LKRNC013-20	NA	Altamira, Tamaulipas, Mexico	
	028_RN	NA	LKRNC051-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	This work
	030_RN	NA	LKRNC052-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	031_AL*	NA	LKRNC014-20	NA	Altamira, Tamaulipas, Mexico	
	032_BT *	NA	LKRNC034-21	NA	Barra del Tordo, Aldama, Tamaulipas, Mexico	
	033_BT *	NA	LKRNC035-21	NA	Barra del Tordo, Aldama, Tamaulipas, Mexico	
	034_TE *	NA	LKRNC015-20	NA	Tepehuaje, Soto La Marina, Tamaulipas, Mexico	
	035_RN	NA	LKRNC016-20	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	036_RN	NA	LKRNC053-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	038_RN	NA	LKRNC017-20	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	039_RN	NA	LKRNC018-20	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	040_RN	NA	LKRNC019-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	041_RN	NA	LKRNC055-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	042_RN	NA	LKRNC020-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	044_RN	NA	LKRNC022-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	045_RN	NA	LKRNC023-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	046_RN	NA	LKRNC024-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	047_RN	NA	LKRNC025-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	048_AL	NA	LKRNC026-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	049_RN	NA	LKRNC027-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
LK-RN01	050_RN	NA	LKRNC028-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	051_AL *	NA	LKRNC029-21	NA	Altamira, Tamaulipas, Mexico	
	052_RN	NA	LKRNC030-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	053_RN	NA	LKRNC031-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	054_RN	NA	LKRNC032-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	055_AL*	NA	LKRNC033-21	NA	Altamira, Tamaulipas, Mexico	
	056_RN	NA	LKRNC056-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	057_RN	NA	LKRNC057-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	058_RN	NA	LKRNC058-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	

059_RN	NA	LKRNC059-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
061_RN	NA	LKRNC060-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
062_RN	NA	LKRNC061-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
063_RN	NA	LKRNC062-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
064_RN	NA	LKRNC063-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
065_RN	NA	LKRNC064-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
066_RN	NA	LKRNC065-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
067_RN	NA	LKRNC066-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
068_RN	NA	LKRNC067-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
069_RN	NA	LKRNC068-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
070_RN	NA	LKRNC069-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
071_RN	NA	LKRNC070-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
072_RN	NA	LKRNC071-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
073_RN	NA	LKRNC072-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
074_RN	NA	LKRNC073-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
075_RN	NA	LKRNC074-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
076_RN	NA	LKRNC075-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
077_RN	NA	LKRNC076-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
078_RN	NA	LKRNC077-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
079_RN	NA	LKRNC078-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
080_RN	NA	LKRNC079-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
081_RN	NA	LKRNC080-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
082_RN	NA	LKRNC081-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
083_RN	NA	LKRNC082-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
085_RN	NA	LKRNC084-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
090_RN	NA	LKRNC089-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
091_RN	NA	LKRNC090-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico
092_RN	NA	LKRNC091-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico
094_RN	NA	LKRNC092-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico

	095_RN	NA	LKRNC093-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico	
	098_RN	NA	LKRNC096-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico	
	099_RN	NA	LKRNC097-21	NA	Rancho Nuevo, Aldama, Tamaulipas, México	
	101_RN	NA	LKRNC098-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico	
	102_RN	NA	LKRNC099-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico	
	103_RN	NA	LKRNC100-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	104_RN	NA	LKRNC101-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico	
	105_RN	NA	LKRNC102-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	106_RN	NA	LKRNC103-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	110_RN	NA	LKRNC111-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	111_RN	NA	LKRNC106-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	112_RN	NA	LKRNC107-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico	
	113_RN	NA	LKRNC108-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	114_RN	NA	LKRNC109-21	NA	Rancho Nuevo, Aldama,Tamaulipas, Mexico	
LK-RN02	037_RN	NA	LKRNC054-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
LK-RN03	084_RN	NA	LKRNC083-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
LK-RN04	096_RN	NA	LKRNC094-21	NA	Rancho Nuevo, Aldama, Tamaulipas, Mexico	
	001_BT	NA	LKRNC036-21	NA	Barra del Tordo, Aldama,Tamaulipas, Mexico	
	061USA**	LK-A1	BENT061-08	GQ152891	Nueva York, United States	Naro-Maciel et al. 2010
						Naro-Maciel et al.
	062USA**	LK-A1	BENT062-08	GQ152891	Nueva York, United States	2010
						Naro-Maciel et al.
	063USA**	LK-A1	BENT063-08	GQ152891	Nueva York, United States	2010
						Naro-Maciel et al.
	064USA**	LK-A1	BENT064-08	GQ152891	Nueva York, United States	2010
						Naro-Maciel et al.
	065USA**	LK-A1	BENT065-08	GQ152891	Nueva York, United States	2010
	1768JX**	NA	GBGC11768-13	JX454982	South Padre Island, Texas, United States	This work
	1769JX **	NA	GBGC11769-13	JX454981	South Padre Island, Texas, United States	This work

LK-COI-01	MN61LK	SPI Nest 23	NA	MN136061	South Padre Island, Texas, United States	Frandsen et al. 2020
	MN60LK	SPI Nest 6	NA	MN136060	South Padre Island, Texas, United States	Frandsen et al. 2020
	MN59LK	SPI Nest 13	NA	MN136059	South Padre Island, Texas, United States	Frandsen et al. 2020
	MN58LK	SPI Nest 3	NA	MN136058	South Padre Island, Texas, United States	Frandsen et al. 2020
	MN57LK	East Coast MT1	NA	MN136057	East Coast, United States	Frandsen et al. 2020
	MN56LK	SPI Nest 27	NA	MN136056	South Padre Island, Texas, United States	Frandsen et al. 2020
	MN55LK	SPI Nest 1	NA	MN136055	South Padre Island, Texas, United States	Frandsen et al. 2020
	MN54LK	East Coast BR1	NA	MN136054	East Coast, United States	Frandsen et al. 2020
	MN53LK	SPI Nest 14	NA	MN136053	South Padre Island, Texas, United States	Frandsen et al. 2020
	MN52LK	SPI Nest 16	NA	MN136052	South Padre Island, Texas, United States	Frandsen et al. 2020

*Dead hatching samples; **Unknown samples.