

Supplementary Fig. S2. Alignment of partial *Fischoederius* COX1 nucleotide sequences (363 bp) from Thailand (TH), China (CH), and India (IN). Fe: *F. elongatus*, Fc: *F. cobboldi*.

Morphology and mitochondrial genome of *Fischoederius* sp. 1 (Thailand)
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Alignment of partial *Fischoederius* COX1 nucleotide sequences (363 bp) from Thailand (TH), China (CH), and India (IN). Fe: *F. elongatus*, Fc: *F. cobboldi*

10	20	30	40	50	60
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<i>Fischoederius_sp_1_TH</i>	TTTTTTGGGCATCCTGAGGTTTATGTGCTGATTTGCCCTGGCTTGGGCTGTGAGACAT				
<i>F_cobboldi_CH</i>	.....A.....C.....T.....T.....				
<i>F_elongatus_CH</i>	.....C.....T.....C.....T.....C.....				
<i>Fe_MN437486_TH</i>	.....C.....T.....C.....T.....A.....				
<i>Fe_MN437487_TH</i>	.....C.....C.....T.....A.....				
<i>Fe_MN437488_TH</i>	.....C.....C.....T.....A.....				
<i>Fe_JX518954_IN</i>	.....			
<i>Fe_JX518953_IN</i>	.....			
<i>Fe_JX518952_IN</i>	.....			
<i>Fe_JQ806365_IN</i>	.....			
<i>Fc_JX518951_IN</i>	.....A.....T.....G.....				
<i>Fc_JX518950_IN</i>	.....T.....T.....				
<i>Fc_JQ806364_IN</i>	.....T.....				
70	80	90	100	110	120
-----:----- -----:----- -----:----- -----:----- -----:----- -----:-----					
<i>Fischoederius_sp_1_TH</i>	ATTTGTATGTGTTAACGAAATCAAGATTGTTATTGGTTATTAGGTATAGTGTGCT				
<i>F_cobboldi_CH</i>	.....T.....G.....				
<i>F_elongatus_CH</i>	.....G.....				
<i>Fe_MN437486_TH</i>	.....A.....G.....				
<i>Fe_MN437487_TH</i>	.....G.....C.....A.....C.....				
<i>Fe_MN437488_TH</i>	.....A.....G.....				
<i>Fe_JX518954_IN</i>	.....			
<i>Fe_JX518953_IN</i>	.....			
<i>Fe_JX518952_IN</i>	.....			
<i>Fe_JQ806365_IN</i>	.....			
<i>Fc_JX518951_IN</i>	.....C.....G.....				
<i>Fc_JX518950_IN</i>	.....G.....				
<i>Fc_JQ806364_IN</i>	.....G.....				
130	140	150	160	170	180
-----:----- -----:----- -----:----- -----:----- -----:----- -----:-----					
<i>Fischoederius_sp_1_TH</i>	ATGGCTTCTATTGTTGGTAGTGTGTTGAGCTCATCACATGTTATGGTAGGG				
<i>F_cobboldi_CH</i>	.....A.....G.....T.....T.....				
<i>F_elongatus_CH</i>	.....A.....T.....T.....T.....				
<i>Fe_MN437486_TH</i>	.....A.....A.....T.....G.....				
<i>Fe_MN437487_TH</i>	.....A.....T.....T.....T.....				
<i>Fe_MN437488_TH</i>	.....A.....A.....T.....G.....				
<i>Fe_JX518954_IN</i>	.....			
<i>Fe_JX518953_IN</i>	.....			
<i>Fe_JX518952_IN</i>	.....			
<i>Fe_JQ806365_IN</i>	.....			
<i>Fc_JX518951_IN</i>	.....A.....C.....G.....T.....T.....				
<i>Fc_JX518950_IN</i>	.....A.....C.....G.....T.....T.....				
<i>Fc_JQ806364_IN</i>	.....A.....C.....G.....T.....T.....				
190	200	210	220	230	240
-----:----- -----:----- -----:----- -----:----- -----:----- -----:-----					
<i>Fischoederius_sp_1_TH</i>	CTGGATGTGAAGACATCTGTGTTTTAGTTCTGTGTCGATGGTATTGGTATTCCA				
<i>F_cobboldi_CH</i>	T.A.....A.....A.....A.....C.....				
<i>F_elongatus_CH</i>	T.A.....A.....A.....A.....				
<i>Fe_MN437486_TH</i>	T.....A.....A.....G.....				
<i>Fe_MN437487_TH</i>	T.....A.....C.....A.....				
<i>Fe_MN437488_TH</i>	T.....A.....C.....G.....				
<i>Fe_JX518954_IN</i>	.....			
<i>Fe_JX518953_IN</i>	.....			
<i>Fe_JX518952_IN</i>	.....			
<i>Fe_JQ806365_IN</i>	.....			
<i>Fc_JX518951_IN</i>	T.....G.....A.....G.....A.....G.....				
<i>Fc_JX518950_IN</i>	T.....G.....A.....G.....A.....A.....G.....				
<i>Fc_JQ806364_IN</i>	T.....G.....A.....G.....A.....A.....G.....				

	250	260	270	280	290	300
Fischoederius_sp_1_TH	GGGATTAAGGTGTTCTGATTGATATGTTAAGTGGTGCGGTGCTTGAGA					
F_cobboldi_CH	.....				
F_elongatus_CH	..A.....	G.....				
Fe_MN437486_TH	.....			A.....	C...G..	
Fe_MN437487_TH	..T.....	G.....		A.....		
Fe_MN437488_TH	.....			A.....	C...G..	
Fe_JX518954_IN	.....				
Fe_JX518953_IN	.....				
Fe_JX518952_IN	.....				
Fe_JQ806365_IN	.....				
Fc_JX518951_IN	.....A.....	G.....	G..C.....	T..A.....		
Fc_JX518950_IN	.....A.....	G.....	G..C.....	T..A.....		
Fc_JQ806364_IN	.....A.....	G.....	G..C.....	T..A.....		
	310	320	330	340	350	360
Fischoederius_sp_1_TH	CCTGTAGTGTGATGAATTATGGGTTTATTATTGTTCACTATGGGTGGTAACTGG					
F_cobboldi_CH	.....G.....		T.....			
F_elongatus_CH	.....		T.....			
Fe_MN437486_TH	.....G.....G.....		T.....		G.....	
Fe_MN437487_TH	.....G.....				C..G.....	
Fe_MN437488_TH	.....G.....			C.....	G.....	
Fe_JX518954_IN	.....				
Fe_JX518953_IN	.....				
Fe_JX518952_IN	.....				
Fe_JQ806365_IN	.....C..T..A.....		A.....		G..G.....	
Fc_JX518951_IN	.....C..T..A.....		A.....		G..G.....	
Fc_JX518950_IN	.....C..T..A.....		A.....		G..G.....	
Fc_JQ806364_IN	.....C..T..A.....		A.....		G..G.....	

Fischoederius_sp_1_TH	ATA					
F_cobboldi_CH	...					
F_elongatus_CH	...					
Fe_MN437486_TH	...					
Fe_MN437487_TH	..T					
Fe_MN437488_TH	...					
Fe_JX518954_IN	...					
Fe_JX518953_IN	...					
Fe_JX518952_IN	...					
Fe_JQ806365_IN	...					
Fc_JX518951_IN	...					
Fc_JX518950_IN	...					
Fc_JQ806364_IN	...					

Percent identity to Fischoederius_sp_1_TH

F_cobboldi_CH	95.3%
F_elongatus_CH	95.3%
Fe_MN437486_TH	93.9%
Fe_MN437487_TH	93.9%
Fe_MN437488_TH	94.5%
Fe_JX518954_IN	100.0%
Fe_JX518953_IN	100.0%
Fe_JX518952_IN	100.0%
Fe_JQ806365_IN	100.0%
Fc_JX518951_IN	91.7%
Fc_JX518950_IN	92.3%
Fc_JQ806364_IN	92.3%