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Unveiling the identity of three *Parapsilorhynchus* species from the Eastern Ghats: an integrative taxonomic approach

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Table S1 The nucleotide distance (K2P distance) of *Parapsilorhynchus odishaensis* with *P. alluriensis* (Holotype) along with other related species with an out group.

Accession no and species name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
OR458581 *P. odishaensis* Baghua Nala Current study (1)																															
OR458573 *P. odishaensis* Baghua Nala Current study (2)	0.00%																														
OR459627 *P. odishaensis* Baghua Nala Current study (3)	0.00%	0.00%																													
OR458596 *P. odishaensis* Baghua Nala Current study (4)	0.00%	0.00%	0.00%																												
OR453529 *P. odishaensis* Harishankar Current study (5) (Previously known as *P. swaini*)	0.32%	0.18%	0.32%	0.32%																											
OR453530 *P. odishaensis* Harishankar Current study (6) (Previously known as *P. swaini*)	0.32%	0.18%	0.32%	0.32%	0.00%																										
OQ455716 *P. alluriensis* Mahendra Tanaya Current study (7)	0.51%	0.59%	0.51%	0.51%	0.85%	0.85%																									
OQ433919 *P. alluriensis* Mahendra Tanaya Current study (8)	0.16%	0.19%	0.16%	0.16%	0.49%	0.49%	0.34%																								
MT654576 *P. alluriensis* Andhra Pradesh (9)	1.04%	0.99%	1.03%	1.03%	0.69%	0.69%	1.56%	1.21%																							
MT654578 *P. alluriensis* Andhra Pradesh (10)	1.04%	0.99%	1.03%	1.03%	0.69%	0.69%	1.56%	1.21%	0.00%																						
MT654579 *P. alluriensis* Andhra Pradesh (11)	1.04%	0.99%	1.03%	1.03%	0.69%	0.69%	1.56%	1.21%	0.00%	0.00%																					
PP528702 *P. alluriensis* Andhra Pradesh (12)	0.99%	0.95%	0.99%	0.99%	0.66%	0.66%	1.54%	1.16%	0.00%	0.00%	0.00%																				
PP528703 *P. alluriensis* Andhra Pradesh (13)	0.99%	0.95%	0.99%	0.99%	0.66%	0.66%	1.54%	1.16%	0.00%	0.00%	0.00%	0.00%																			
PP528704 *P. alluriensis* Andhra Pradesh (14)	0.99%	0.95%	0.99%	0.99%	0.66%	0.66%	1.54%	1.16%	0.00%	0.00%	0.00%	0.00%	0.00%																		
PP528705 *P. alluriensis* Andhra Pradesh (15)	0.99%	0.95%	0.99%	0.99%	0.66%	0.66%	1.54%	1.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%																	
PP528706 *P. alluriensis* Andhra Pradesh (16)	1.16%	1.15%	1.16%	1.16%	0.83%	0.83%	1.72%	1.33%	0.52%	0.52%	0.52%	0.49%	0.49%	0.49%	0.49%																
PP528707 *P. alluriensis* Andhra Pradesh (17)	1.33%	1.15%	1.33%	1.33%	0.99%	0.99%	1.89%	1.50%	0.69%	0.69%	0.69%	0.66%	0.66%	0.66%	0.66%	0.49%															
PP528708 *P. alluriensis* Andhra Pradesh (18)	1.16%	1.15%	1.16%	1.16%	0.83%	0.83%	1.72%	1.33%	0.52%	0.52%	0.52%	0.49%	0.49%	0.49%	0.49%	0.00%	0.49%														
PP528709 *P. alluriensis* Andhra Pradesh (19)	1.16%	1.15%	1.16%	1.16%	0.83%	0.83%	1.72%	1.33%	0.52%	0.52%	0.52%	0.49%	0.49%	0.49%	0.49%	0.00%	0.49%	0.00%													
PP528710 *P. alluriensis* Andhra	1.50%	1.15%	1.49%	1.49%	1.16%	1.16%	2.07%	1.66%	0.69%	0.69%	0.69%	0.83%	0.83%	0.83%	0.83%	0.66%	0.16%	0.66%	0.66%												

Accession no and species name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Pradesh (20)																															
MK737746.1 *P. alluriensis* Andhra Pradesh (21)	1.03%	0.99%	1.03%	1.03%	0.69%	0.69%	**1.56%**	**1.21%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.51%**	**0.69%**	**0.51%**	**0.51%**	0.69%											
MT646798.1 *P. prateri* Maharashtra (22)	1.74%	1.59%	1.74%	1.74%	1.39%	1.39%	2.27%	1.91%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.56%	1.74%	1.56%	1.56%	1.74%	1.39%										
MT646797.1 *P. prateri* Maharashtra (23)	1.74%	1.59%	1.74%	1.74%	1.39%	1.39%	2.27%	1.91%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.56%	1.74%	1.56%	1.56%	1.74%	1.39%	**0.00%**									
MN562263.1 *P. prateri* Maharashtra (24)	1.75%	1.60%	1.74%	1.74%	1.39%	1.39%	2.28%	1.92%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.57%	1.75%	1.57%	1.57%	1.75%	1.39%	**0.17%**	**0.17%**								
MN555332.1 *P. prateri* Maharashtra (25)	1.75%	1.60%	1.75%	1.75%	1.39%	1.39%	2.28%	1.92%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.57%	1.75%	1.57%	1.57%	1.75%	1.39%	**0.17%**	**0.17%**	**0.34%**							
KX946762.1 *P. tentaculatus* Maharashtra (26)	8.70%	8.80%	8.68%	8.64%	8.27%	8.27%	9.21%	9.11%	7.68%	7.68%	7.68%	8.17%	8.17%	8.17%	8.17%	8.36%	7.97%	8.36%	8.36%	7.97%	7.87%	8.48%	8.48%	8.14%	8.12%						
KX946761.1 *P. discophorus* Maharashtra (27)	5.77%	6.00%	5.76%	5.76%	5.58%	5.58%	6.33%	5.95%	5.59%	5.59%	5.59%	5.58%	5.58%	5.58%	5.58%	5.77%	5.77%	5.77%	5.77%	5.77%	5.58%	5.59%	5.59%	5.44%	5.82%	10.12%					
KX946764.1 *P. tentaculatus* Maharashtra (28)	8.70%	8.80%	8.68%	8.64%	8.27%	8.27%	9.21%	9.11%	7.68%	7.68%	7.68%	8.17%	8.17%	8.17%	8.17%	8.36%	7.97%	8.36%	8.36%	7.97%	7.87%	8.48%	8.48%	8.14%	8.12%	**0.00%**	10.12%				
KX946763.1 *P. tentaculatus* Maharashtra (29)	8.70%	8.80%	8.68%	8.64%	8.27%	8.27%	9.21%	9.11%	7.68%	7.68%	7.68%	8.17%	8.17%	8.17%	8.17%	8.36%	7.97%	8.36%	8.36%	7.97%	7.87%	8.48%	8.48%	8.14%	8.12%	**0.00%**	10.12%	10.12%			
MT812191.1 *P. sucatio* Arunachal Pradesh (30)	23.03%	23.07%	22.94%	22.94%	23.39%	23.39%	23.22%	23.14%	23.21%	23.21%	23.21%	23.44%	23.44%	23.44%	23.44%	23.20%	22.96%	23.20%	23.20%	23.18%	23.41%	22.71%	22.71%	22.58%	22.85%	24.57%	23.66%	10.12%	24.57%		
MT812192.1 *P. sucatio* Arunachal Pradesh (31)	23.25%	23.07%	23.21%	23.21	23.66%	23.66%	23.32%	23.41%	23.21%	23.21%	23.21%	23.68%	23.68%	23.68%	23.68%	23.43%	23.19%	23.43%	23.43%	23.19%	23.41%	22.71%	22.71%	22.58%	22.85%	24.57%	23.66%	23.66%	24.57%	0.00 %	