

Supplemental information: **Tables**

Seven new species of Night Frogs (Anura, Nyctibatrachidae) from the Western Ghats Biodiversity Hotspot of India, with remarkably high diversity of diminutive forms

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Table S7. Diagnostic characters for the new and morphologically related *Nyctibatrachus* species. (1) snout to vent size (SVL); (2) dorsal skin texture and dorsolateral folds; (3) inverted 'Y'-shaped ridge over the snout; (4) foot webbing; (5) third finger disc morphology; (6) fourth toe disc morphology; (7) relative size of finger disc compared to finger width; (8) relative size of toe disc compared to toe width; (9) HW/HL ratio; (10) TL/SHL ratio. All comparative measures are for adult male specimens.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<i>N. anamallaiensis</i>	Miniature, 13.1–15.7 mm	Prominently shagreened with glandular projections, presence of weakly developed dorsolateral folds	Weakly developed	Absent	With dorso-terminal groove, cover bifurcate distally	With dorso-terminal groove, cover bifurcate distally	Slightly wide, FD _{III} 0.3, FW _{III} 0.2	Slightly wide, TD _{IV} 0.4, TW _{IV} 0.2–0.3	Head wider, 115.7–126.1%	Nearly equal, 98.4–101.6%
<i>N. beddomii</i>	Miniature, 13.3–18 mm	Smooth to shagreened with scattered spinular projections	Weakly developed	Absent	With dorso-terminal groove, cover bifurcate distally	With dorso-terminal groove, cover bifurcate distally	Slightly wide, FD _{III} 0.4–0.6, FW _{III} 0.2–0.3	Slightly wide, TD _{IV} 0.5–0.6, TW _{IV} 0.2–0.4	Head wider, 106.6–129.3%	Nearly equal, 95.9–101.6%
<i>N. manalari</i>	Miniature, 13.1–15.4 mm	Shagreened with scattered glandular projections, presence of weakly developed dorsolateral folds	Weakly developed	Absent	With dorso-terminal groove, cover bifurcate distally	With dorso-terminal groove, cover bifurcate distally	Slightly wide, FD _{III} 0.3–0.4, FW _{III} 0.2–0.3	Slightly wide, TD _{IV} 0.4–0.6, TW _{IV} 0.2–0.3	Head wider, 115.7–135.6%	Nearly equal, 98.4–101.5%
<i>N. minimus</i>	Miniature, 10–14 mm	Shagreened with faint and interrupted glandular projections	Weakly developed	Absent	With dorso-terminal groove, cover bifurcate distally	With dorso-terminal groove, cover bifurcate distally	Slightly wide, FD _{III} 0.3–0.4, FW _{III} 0.1–0.3	Slightly wide, TD _{IV} 0.4–0.5, TW _{IV} 0.2–0.3	Head nearly equal or wider, 95.7–108%	Thigh shorter or nearly equal, 82.4–98.5%
<i>N. pulivijayani</i>	Miniature, 13.3–14.9 mm	Shagreened with scattered glandular projections, presence of weakly developed dorsolateral folds	Indistinct	Absent	With dorso-terminal groove, cover bifurcate distally	With dorso-terminal groove, cover bifurcate distally	Slightly wide, FD _{III} 0.3–0.4, FW _{III} 0.2–0.3	Slightly wide, TD _{IV} 0.4–0.5, TW _{IV} 0.2–0.3	Nearly equal, 98.3–102%	Nearly equal, 94–104.5%
<i>N. robinmoorei</i>	Miniature, 12.2–13.4 mm	Shagreened with scattered glandular projections, presence of weakly developed dorsolateral folds	Weakly developed	Absent	With dorso-terminal groove, cover bifurcate distally	With dorso-terminal groove, cover bifurcate distally	Slightly wide, FD _{III} 0.4–0.5, FW _{III} 0.3–0.4	Slightly wide, TD _{IV} 0.5–0.6, TW _{IV} 0.3	Nearly equal, 97.6–100%	Thigh longer, 127.5–130.8%
<i>N. sabarimalai</i>	Miniature, 12.3–13.2 mm	Shagreened with scattered glandular projections, presence of weakly developed dorsolateral folds	Weakly developed	Absent	With dorso-terminal groove, cover bifurcate distally	With dorso-terminal groove, cover bifurcate distally	Slightly wide, FD _{III} 0.3–0.4, FW _{III} 0.2–0.3	Slightly wide, TD _{IV} 0.5–0.6, TW _{IV} 0.3–0.4	Head longer, 82.4–89.8%	Nearly equal, 98.4–101.6%
<i>N. athirappillyensis</i>	Small-sized,	Weakly wrinkled with	Well	Medium,	With dorso-	With dorso-	Slightly wide,	Moderately wide,	Nearly equal,	Nearly equal,

	20.9–22.8 mm	spinular projections	developed	2 ⁺ IV2 ⁺	terminal groove, cover rounded distally	terminal groove, cover notched distally	FD _{III} 0.5–0.7, FW _{III} 0.3–0.4	TD _{IV} 0.7–0.8, TW _{IV} 0.3–0.5	96.3–100%	98–100%,
<i>N. deccanensis</i>	Miniature to small-sized, 16.1–20.8 mm	Weakly wrinkled with glandular ridges	Well developed	Medium, 3IV3	Without dorso-terminal groove	With dorso-terminal groove, cover bifurcate distally	Slightly wide, FD _{III} 0.4–0.5, FW _{III} 0.2–0.4	Slightly wide, TD _{IV} 0.4–0.9, TW _{IV} 0.2–0.6	Head wider, 101.3–125.8%	Thigh nearly equal or longer 92.9–115.8%
<i>N. kempholeyensis</i>	Miniature to small-sized, 15.5–21.6 mm	Weakly wrinkled with scattered granular projections and glandular ridges	Well developed	Medium, 2 ¹ / ₂ IV2 ¹ / ₂	With dorso-terminal groove, cover rounded distally	With dorso-terminal groove, cover rounded distally	Slightly wide, FD _{III} 0.4–0.7, FW _{III} 0.2–0.4	Moderately wide, TD _{IV} 0.7–1.0, TW _{IV} 0.3–0.5	Nearly equal, 98.9–106%	Thigh nearly equal or longer, 92.9–104.3%
<i>N. minor</i>	Miniature to small-sized, 15.4–17.9 mm	Weakly wrinkled with dorsolateral glandular ridges separated by an 'X' pattern on the anterior half	Well developed	Basal, 4 ⁻ IV4 ⁻	With dorso-terminal groove, cover bifurcate distally	With dorso-terminal groove, cover bifurcate distally	Slightly wide, FD _{III} 0.4–0.5, FW _{III} 0.2–0.3	Slightly wide, TD _{IV} 0.4–0.6, TW _{IV} 0.2–0.3	Nearly equal or wider, 95.8–116.9%	Thigh nearly equal or longer 94.8–108.2%
<i>N. webilla</i>	Small-sized, 18.7–20.7 mm	Shagreened to granular with scattered glandular ridges	Well developed	Basal, 4IV4 ⁻	Without dorso-terminal groove	With dorso-terminal groove, cover bifurcate distally	Slightly wide, FD _{III} 0.3–0.4, FW _{III} 0.2–0.3	Moderately wide, TD _{IV} 0.6–0.7, TW _{IV} 0.3–0.4	Head wider, 110.8–117.4%	Thigh longer, 106.9–111.1%
<i>N. acanthoderms</i>	Large-sized, 52.9–66.2 mm	Prominently wrinkled with sharp spinular projections	Well developed	Large, 1 ¹ / ₂ IV1 ¹ / ₂	Without dorso-terminal groove	With dorso-terminal groove, cover rounded distally	Prominently wide, FD _{III} 1.4–1.6, FW _{III} 0.5–0.8	Prominently wide, TD _{IV} 1.9–2.6, TW _{IV} 0.8	Head wider, 109.7–112.6%	Nearly equal, 99.3–100.3%,
<i>N. gavi</i>	Large-sized, 49.5–57.5 mm	Wrinkled with scattered spinular projections	Well developed	Large, 2IV2	Without dorso-terminal groove	With dorso-terminal groove, cover rounded distally	Prominently wide, FD _{III} 1.2–1.8, FW _{III} 0.6–0.8	Prominently wide, TD _{IV} 1.2–1.4, TW _{IV} 0.4–0.5	Head wider, 105.1–107.8%	Thigh longer, 102.6–112.1%
<i>N. grandis</i>	Large-sized, 62.2–76.9 mm	Wrinkled with scattered glandular projections	Well developed	Large, 1 ³ / ₄ IV1 ³ / ₄	Without dorso-terminal groove	With dorso-terminal groove, cover rounded distally	Prominently wide, FD _{III} 1.6–1.9, FW _{III} 0.5–0.8	Prominently wide, TD _{IV} 2.2–2.8, TW _{IV} 0.5–0.6	Head wider, 106.8–108.3%	Thigh longer, 104.3–113.2%
<i>N. indraneili</i>	Large-sized, 42.5 mm	Weakly wrinkled without glandular projections	Well developed	Large, 2 ⁻ IV2 ⁻	Without dorso-terminal groove	Without dorso-terminal groove	Moderately wide, FD _{III} 1.1, FW _{III} 0.7	Prominently wide, TD _{IV} 1.2, TW _{IV} 0.6	Head wider, 104.2%	Thigh longer, 110.5%
<i>N. major</i>	Medium-sized, 31.5–48.8 mm	Wrinkled with a few glandular warts	Well developed	Large, 2IV2	Without dorso-terminal groove	With dorso-terminal groove, cover rounded distally	Prominently wide, FD _{III} 0.8–1.0, FW _{III} 0.4–0.7	Prominently wide, TD _{IV} 0.9–1.4, TW _{IV} 0.4–0.7	Head wider, 110.5–117.8%	Nearly equal, 99.5–101.3%,
<i>N. radcliffei</i>	Medium-sized, 32.8–38.3 mm	Weakly wrinkled without prominent spinular projections	Well developed	Large, 1 ⁺ IV1	Without dorso-terminal groove	With dorso-terminal groove and cover rounded distally	Prominently wide, FD _{III} 1.0–1.2, FW _{III} 0.4–0.6	Prominently wide, TD _{IV} 1.5–1.6, TW _{IV} 0.5–0.6	Head wider, 106.6–113.3%	Thigh longer, 107.1–110.2%
<i>N. sylvaticus</i>	Medium-sized, 28.6–36.2 mm	Wrinkled with scattered granular projections	Well developed	Large, 2IV2	With dorso-terminal groove, cover rounded distally	With dorso-terminal groove, cover rounded distally	Moderately wide, FD _{III} 0.6–0.9, FW _{III} 0.4–0.5	Prominently wide, TD _{IV} 0.9–1.1, TW _{IV} 0.4–0.5	Head wider, 109.3–116.7%	Thigh longer, 107.8–115.3%