Supp. file 1. Supplementary tables. https://doi.org/10.5852/ejt.2021.751.1379.4325

**Table S1.** Pair-wise genetic divergence between species included in this study (Continued on the next pages).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 1 | *G. yamashinae (*AB853458) | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | *G. yamashinae (*AB853459) | 0,001 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | *G. orientalis* (AB853461) | 0,066 | 0,067 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | *G. orientalis* (AB853464) | 0,062 | 0,063 | 0,063 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | *G. kuroiwae* (AB853465) | 0,059 | 0,060 | 0,063 | 0,067 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | *G. toyamai* (AB853469) | 0,067 | 0,068 | 0,077 | 0,064 | 0,056 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | *G. toyamai* (AB853471) | 0,065 | 0,066 | 0,077 | 0,064 | 0,056 | 0,002 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | *G. splendens* (AB853474) | 0,149 | 0,150 | 0,153 | 0,146 | 0,135 | 0,146 | 0,149 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | *G. splendens* (AB853476) | 0,151 | 0,152 | 0,157 | 0,151 | 0,139 | 0,146 | 0,149 | 0,007 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | *G. splendens* (AB853477) | 0,150 | 0,151 | 0,156 | 0,150 | 0,138 | 0,145 | 0,148 | 0,008 | 0,001 | - |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | *G. luii* (AB853478) | 0,213 | 0,214 | 0,213 | 0,208 | 0,201 | 0,208 | 0,209 | 0,219 | 0,217 | 0,216 | - |  |  |  |  |  |  |  |  |  |  |  |
| 12 | *G. huulienensis* (AB853479) | 0,213 | 0,214 | 0,221 | 0,208 | 0,211 | 0,209 | 0,210 | 0,215 | 0,211 | 0,212 | 0,035 | - |  |  |  |  |  |  |  |  |  |  |
| 13 | *Coleonyx mitratus* (AB853481) | 0,260 | 0,261 | 0,259 | 0,254 | 0,248 | 0,254 | 0,256 | 0,251 | 0,250 | 0,250 | 0,253 | 0,260 | - |  |  |  |  |  |  |  |  |  |
| 14 | *Holodactylus africanus* (AB853482) | 0,244 | 0,246 | 0,253 | 0,246 | 0,242 | 0,244 | 0,247 | 0,254 | 0,254 | 0,255 | 0,243 | 0,240 | 0,251 | - |  |  |  |  |  |  |  |  |
| 15 | *G*. *luii* G10 (MW650929) | 0,211 | 0,212 | 0,210 | 0,203 | 0,196 | 0,205 | 0,207 | 0,219 | 0,218 | 0,216 | 0,017 | 0,039 | 0,261 | 0,243 | - |  |  |  |  |  |  |  |
| 16 | *G*. *luii* G12 (MW650930) | 0,214 | 0,215 | 0,213 | 0,206 | 0,199 | 0,208 | 0,210 | 0,222 | 0,220 | 0,219 | 0,019 | 0,042 | 0,263 | 0,246 | 0,002 | - |  |  |  |  |  |  |
| 17 | *G*. *luii* G14 (MW650931) | 0,209 | 0,210 | 0,211 | 0,206 | 0,199 | 0,206 | 0,207 | 0,217 | 0,215 | 0,214 | 0,003 | 0,032 | 0,254 | 0,245 | 0,016 | 0,018 | - |  |  |  |  |  |
| 18 | *G*. *luii* G15 (MW650932) | 0,210 | 0,211 | 0,212 | 0,207 | 0,200 | 0,207 | 0,208 | 0,218 | 0,216 | 0,215 | 0,002 | 0,033 | 0,255 | 0,244 | 0,017 | 0,019 | 0,001 | - |  |  |  |  |
| 19 | *G*. *luii* G16 (MW650933) | 0,213 | 0,214 | 0,213 | 0,208 | 0,199 | 0,208 | 0,209 | 0,222 | 0,219 | 0,218 | 0,003 | 0,036 | 0,257 | 0,245 | 0,016 | 0,018 | 0,004 | 0,003 | - |  |  |  |
| 20 | *G*. *luii* G17 (MW650934) | 0,213 | 0,214 | 0,213 | 0,208 | 0,199 | 0,208 | 0,209 | 0,222 | 0,219 | 0,218 | 0,003 | 0,036 | 0,257 | 0,245 | 0,016 | 0,018 | 0,004 | 0,003 | 0,000 | - |  |  |
| 21 | *G*. *luii* G18 (MW650935) | 0,211 | 0,212 | 0,210 | 0,202 | 0,196 | 0,205 | 0,207 | 0,218 | 0,217 | 0,216 | 0,018 | 0,039 | 0,261 | 0,243 | 0,001 | 0,003 | 0,017 | 0,018 | 0,017 | 0,017 | - |  |
| 22 | *G*. *huuliensis* G21 (MW650936) | 0,212 | 0,213 | 0,220 | 0,206 | 0,210 | 0,207 | 0,208 | 0,214 | 0,210 | 0,211 | 0,035 | 0,001 | 0,262 | 0,241 | 0,040 | 0,043 | 0,032 | 0,033 | 0,036 | 0,036 | 0,039 | - |
| 23 | *G*. *huuliensis* G23 (MW650937) | 0,212 | 0,213 | 0,224 | 0,210 | 0,215 | 0,211 | 0,212 | 0,216 | 0,212 | 0,213 | 0,037 | 0,002 | 0,271 | 0,239 | 0,045 | 0,047 | 0,035 | 0,035 | 0,036 | 0,036 | 0,044 | 0,004 |
| 24 | *G*. *huuliensis* G24 (MW650938) | 0,214 | 0,215 | 0,222 | 0,208 | 0,212 | 0,212 | 0,213 | 0,219 | 0,217 | 0,218 | 0,033 | 0,010 | 0,263 | 0,243 | 0,038 | 0,040 | 0,030 | 0,031 | 0,034 | 0,034 | 0,037 | 0,011 |
| 25 | *G*. *lichtenfelderi* G26 (MW650939) | 0,243 | 0,244 | 0,250 | 0,239 | 0,244 | 0,243 | 0,245 | 0,251 | 0,255 | 0,256 | 0,221 | 0,211 | 0,257 | 0,273 | 0,218 | 0,221 | 0,219 | 0,221 | 0,222 | 0,222 | 0,217 | 0,210 |
| 26 | *G. lichtenfelderi* G29 (MW650940) | 0,243 | 0,244 | 0,250 | 0,240 | 0,244 | 0,242 | 0,244 | 0,254 | 0,257 | 0,258 | 0,220 | 0,211 | 0,256 | 0,274 | 0,218 | 0,220 | 0,219 | 0,220 | 0,221 | 0,221 | 0,217 | 0,209 |
| 27 | *G. lichtenfelderi* G30 (MW650941) | 0,243 | 0,244 | 0,249 | 0,239 | 0,244 | 0,242 | 0,244 | 0,253 | 0,257 | 0,258 | 0,220 | 0,211 | 0,255 | 0,273 | 0,218 | 0,220 | 0,219 | 0,220 | 0,221 | 0,221 | 0,216 | 0,209 |
| 28 | *G*. *lichtenfelderi* G31 (MW650942) | 0,244 | 0,245 | 0,246 | 0,233 | 0,242 | 0,240 | 0,243 | 0,250 | 0,254 | 0,255 | 0,220 | 0,210 | 0,258 | 0,274 | 0,215 | 0,218 | 0,219 | 0,220 | 0,219 | 0,219 | 0,214 | 0,209 |
| 29 | *G*. *lichtenfelderi* G32 (MW650943) | 0,244 | 0,245 | 0,249 | 0,236 | 0,243 | 0,241 | 0,243 | 0,254 | 0,257 | 0,258 | 0,220 | 0,210 | 0,259 | 0,271 | 0,215 | 0,217 | 0,219 | 0,220 | 0,219 | 0,219 | 0,214 | 0,209 |
| 30 | *G*. *catbaensis* G33 (MW650944) | 0,209 | 0,210 | 0,217 | 0,221 | 0,214 | 0,215 | 0,217 | 0,231 | 0,233 | 0,234 | 0,131 | 0,127 | 0,261 | 0,226 | 0,136 | 0,138 | 0,130 | 0,131 | 0,132 | 0,132 | 0,134 | 0,128 |
| 31 | *G*. *catbaensis* G34 (MW650945) | 0,209 | 0,210 | 0,214 | 0,216 | 0,209 | 0,212 | 0,214 | 0,229 | 0,231 | 0,232 | 0,127 | 0,122 | 0,255 | 0,228 | 0,131 | 0,133 | 0,126 | 0,127 | 0,128 | 0,128 | 0,130 | 0,123 |
| 32 | *G*. *catbaensis* G35 (MW650946) | 0,213 | 0,214 | 0,216 | 0,220 | 0,213 | 0,218 | 0,220 | 0,233 | 0,237 | 0,238 | 0,130 | 0,130 | 0,258 | 0,230 | 0,136 | 0,138 | 0,129 | 0,130 | 0,131 | 0,131 | 0,135 | 0,131 |
| 33 | *G. kuroiwae* (LC158273) | 0,063 | 0,064 | 0,083 | 0,079 | 0,064 | 0,073 | 0,073 | 0,157 | 0,157 | 0,156 | 0,201 | 0,206 | 0,247 | 0,235 | 0,198 | 0,200 | 0,200 | 0,201 | 0,202 | 0,202 | 0,197 | 0,205 |
| 34 | *G. kuroiwae* (LC158284) | 0,070 | 0,071 | 0,083 | 0,086 | 0,067 | 0,078 | 0,078 | 0,157 | 0,158 | 0,157 | 0,205 | 0,211 | 0,246 | 0,242 | 0,200 | 0,202 | 0,204 | 0,205 | 0,206 | 0,206 | 0,199 | 0,209 |
| 35 | *G. kuroiwae* (LC158287) | 0,062 | 0,063 | 0,068 | 0,068 | 0,012 | 0,059 | 0,059 | 0,139 | 0,143 | 0,142 | 0,201 | 0,209 | 0,247 | 0,245 | 0,198 | 0,200 | 0,200 | 0,201 | 0,200 | 0,200 | 0,197 | 0,208 |
| 36 | *G. kuroiwae* (LC158310) | 0,059 | 0,060 | 0,065 | 0,067 | 0,004 | 0,055 | 0,055 | 0,137 | 0,141 | 0,140 | 0,202 | 0,209 | 0,250 | 0,242 | 0,199 | 0,201 | 0,201 | 0,202 | 0,201 | 0,201 | 0,198 | 0,208 |
| 37 | *G. bawanglingensis* (MH247201) | 0,239 | 0,241 | 0,255 | 0,243 | 0,243 | 0,234 | 0,237 | 0,272 | 0,274 | 0,277 | 0,192 | 0,199 | 0,269 | 0,251 | 0,185 | 0,189 | 0,190 | 0,192 | 0,192 | 0,192 | 0,187 | 0,202 |
| 38 | *G. bawanglingensis* (MH247203) | 0,239 | 0,241 | 0,255 | 0,243 | 0,243 | 0,234 | 0,237 | 0,272 | 0,274 | 0,277 | 0,192 | 0,199 | 0,269 | 0,251 | 0,185 | 0,189 | 0,190 | 0,192 | 0,192 | 0,192 | 0,187 | 0,202 |
| 39 | *G. hainanensis* (MK247205) | 0,225 | 0,227 | 0,234 | 0,232 | 0,221 | 0,212 | 0,215 | 0,274 | 0,276 | 0,278 | 0,215 | 0,217 | 0,252 | 0,260 | 0,208 | 0,212 | 0,213 | 0,215 | 0,215 | 0,215 | 0,209 | 0,220 |
| 40 | *G. hainanensis* (MK247206) | 0,233 | 0,235 | 0,247 | 0,240 | 0,233 | 0,225 | 0,227 | 0,269 | 0,271 | 0,273 | 0,225 | 0,227 | 0,243 | 0,270 | 0,218 | 0,222 | 0,223 | 0,226 | 0,225 | 0,225 | 0,220 | 0,230 |
| 41 | *G. zhoui* (MH247208) | 0,245 | 0,247 | 0,244 | 0,259 | 0,246 | 0,250 | 0,253 | 0,253 | 0,255 | 0,257 | 0,210 | 0,208 | 0,254 | 0,245 | 0,208 | 0,212 | 0,211 | 0,213 | 0,213 | 0,213 | 0,209 | 0,213 |
| 42 | *G. zhoui* (MH247210) | 0,245 | 0,247 | 0,244 | 0,259 | 0,246 | 0,250 | 0,253 | 0,253 | 0,255 | 0,257 | 0,210 | 0,208 | 0,254 | 0,245 | 0,208 | 0,212 | 0,211 | 0,213 | 0,213 | 0,213 | 0,209 | 0,213 |
| 43 | *G. lichtenfelderi* (MK782779) | 0,237 | 0,239 | 0,251 | 0,241 | 0,233 | 0,229 | 0,232 | 0,263 | 0,265 | 0,268 | 0,222 | 0,220 | 0,243 | 0,265 | 0,215 | 0,219 | 0,220 | 0,223 | 0,223 | 0,223 | 0,217 | 0,222 |
| 44 | *G. kwangsiensis* (MK782780) | 0,211 | 0,214 | 0,208 | 0,207 | 0,184 | 0,200 | 0,202 | 0,216 | 0,216 | 0,218 | 0,096 | 0,109 | 0,245 | 0,242 | 0,097 | 0,102 | 0,095 | 0,097 | 0,097 | 0,097 | 0,099 | 0,112 |
| 45 | *G. luii* (MK782781) | 0,209 | 0,212 | 0,203 | 0,205 | 0,192 | 0,194 | 0,194 | 0,227 | 0,227 | 0,224 | 0,007 | 0,038 | 0,269 | 0,241 | 0,016 | 0,019 | 0,005 | 0,007 | 0,007 | 0,007 | 0,016 | 0,036 |
| 46 | *G. kwanghua* (MK782782) | 0,227 | 0,229 | 0,236 | 0,239 | 0,228 | 0,230 | 0,232 | 0,245 | 0,247 | 0,250 | 0,222 | 0,220 | 0,251 | 0,268 | 0,215 | 0,219 | 0,220 | 0,223 | 0,223 | 0,223 | 0,217 | 0,223 |
| 47 | *G. luii* (NC026105) | 0,211 | 0,212 | 0,211 | 0,205 | 0,197 | 0,208 | 0,209 | 0,219 | 0,217 | 0,216 | 0,007 | 0,032 | 0,256 | 0,244 | 0,014 | 0,016 | 0,006 | 0,007 | 0,006 | 0,006 | 0,013 | 0,032 |
| 48 | *Gekko chinensis* (NC027191) | 0,246 | 0,247 | 0,252 | 0,246 | 0,249 | 0,244 | 0,247 | 0,261 | 0,262 | 0,261 | 0,255 | 0,255 | 0,254 | 0,267 | 0,253 | 0,255 | 0,254 | 0,255 | 0,255 | 0,255 | 0,252 | 0,254 |

 **Table S1.** Pair-wise genetic divergence between species included in this study (Continued).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 | 0,012 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25 | 0,209 | 0,211 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26 | 0,209 | 0,211 | 0,000 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27 | 0,209 | 0,210 | 0,000 | 0,000 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 28 | 0,211 | 0,208 | 0,008 | 0,008 | 0,008 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 29 | 0,210 | 0,208 | 0,011 | 0,010 | 0,010 | 0,001 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 0,126 | 0,131 | 0,215 | 0,216 | 0,216 | 0,220 | 0,217 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31 | 0,127 | 0,127 | 0,219 | 0,220 | 0,220 | 0,221 | 0,222 | 0,001 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 32 | 0,128 | 0,133 | 0,218 | 0,219 | 0,218 | 0,219 | 0,218 | 0,013 | 0,012 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 33 | 0,210 | 0,207 | 0,235 | 0,236 | 0,236 | 0,239 | 0,242 | 0,211 | 0,208 | 0,208 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 34 | 0,214 | 0,211 | 0,233 | 0,234 | 0,233 | 0,237 | 0,239 | 0,220 | 0,217 | 0,217 | 0,016 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35 | 0,215 | 0,209 | 0,244 | 0,244 | 0,244 | 0,239 | 0,241 | 0,211 | 0,207 | 0,210 | 0,067 | 0,073 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 36 | 0,216 | 0,210 | 0,246 | 0,247 | 0,246 | 0,244 | 0,245 | 0,215 | 0,209 | 0,214 | 0,064 | 0,067 | 0,014 | - |  |  |  |  |  |  |  |  |  |  |  |  |
| 37 | 0,200 | 0,199 | 0,144 | 0,160 | 0,159 | 0,145 | 0,154 | 0,205 | 0,210 | 0,210 | 0,238 | 0,240 | 0,250 | 0,244 | - |  |  |  |  |  |  |  |  |  |  |  |
| 38 | 0,200 | 0,199 | 0,144 | 0,160 | 0,159 | 0,145 | 0,154 | 0,205 | 0,210 | 0,210 | 0,238 | 0,240 | 0,250 | 0,244 | 0,000 | - |  |  |  |  |  |  |  |  |  |  |
| 39 | 0,218 | 0,217 | 0,062 | 0,064 | 0,063 | 0,060 | 0,061 | 0,211 | 0,214 | 0,215 | 0,218 | 0,217 | 0,220 | 0,221 | 0,152 | 0,152 | - |  |  |  |  |  |  |  |  |  |
| 40 | 0,234 | 0,228 | 0,054 | 0,054 | 0,053 | 0,055 | 0,054 | 0,214 | 0,216 | 0,219 | 0,237 | 0,235 | 0,236 | 0,236 | 0,149 | 0,149 | 0,051 | - |  |  |  |  |  |  |  |  |
| 41 | 0,227 | 0,210 | 0,145 | 0,145 | 0,144 | 0,140 | 0,142 | 0,186 | 0,190 | 0,198 | 0,240 | 0,242 | 0,234 | 0,239 | 0,167 | 0,167 | 0,154 | 0,146 | - |  |  |  |  |  |  |  |
| 42 | 0,227 | 0,210 | 0,145 | 0,145 | 0,144 | 0,140 | 0,142 | 0,186 | 0,190 | 0,198 | 0,240 | 0,242 | 0,234 | 0,239 | 0,167 | 0,167 | 0,154 | 0,146 | 0,000 | - |  |  |  |  |  |  |
| 43 | 0,229 | 0,220 | 0,000 | 0,000 | 0,000 | 0,003 | 0,007 | 0,217 | 0,218 | 0,225 | 0,236 | 0,235 | 0,231 | 0,233 | 0,152 | 0,152 | 0,061 | 0,056 | 0,144 | 0,144 | - |  |  |  |  |  |
| 44 | 0,121 | 0,104 | 0,218 | 0,220 | 0,219 | 0,215 | 0,223 | 0,159 | 0,140 | 0,155 | 0,194 | 0,199 | 0,184 | 0,184 | 0,192 | 0,192 | 0,205 | 0,220 | 0,192 | 0,192 | 0,207 | - |  |  |  |  |
| 45 | 0,044 | 0,028 | 0,234 | 0,231 | 0,230 | 0,232 | 0,234 | 0,144 | 0,129 | 0,141 | 0,202 | 0,202 | 0,192 | 0,188 | 0,189 | 0,189 | 0,210 | 0,220 | 0,210 | 0,210 | 0,217 | 0,098 | - |  |  |  |
| 46 | 0,219 | 0,220 | 0,071 | 0,070 | 0,069 | 0,063 | 0,068 | 0,200 | 0,202 | 0,208 | 0,245 | 0,244 | 0,225 | 0,231 | 0,162 | 0,162 | 0,078 | 0,063 | 0,134 | 0,134 | 0,068 | 0,222 | 0,217 | - |  |  |
| 47 | 0,035 | 0,030 | 0,218 | 0,218 | 0,218 | 0,215 | 0,215 | 0,128 | 0,125 | 0,129 | 0,199 | 0,203 | 0,197 | 0,198 | 0,192 | 0,192 | 0,215 | 0,225 | 0,205 | 0,205 | 0,222 | 0,091 | 0,008 | 0,222 | - |  |
| 48 | 0,256 | 0,259 | 0,266 | 0,268 | 0,268 | 0,271 | 0,272 | 0,256 | 0,260 | 0,256 | 0,249 | 0,254 | 0,247 | 0,250 | 0,265 | 0,265 | 0,270 | 0,260 | 0,265 | 0,265 | 0,274 | 0,254 | 0,255 | 0,269 | 0,257 | - |

**Table S2.** Morphological (minimum–maximum (mean ± standard deviation)) and meristic characters (minimum–maximum (number of specimens)) of four tiger geckos in Vietnam (except *Goniurosaurus araneus*). Length given in mm.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***Goniurosaurus catbaensis*** | ***Goniurosaurus huuliensis*** | ***Goniurosaurus lichtenfelderi*** | ***Goniurosaurus luii*** |
|  | Males(n = 80) | Females(n = 93) | Juveniles(n = 21) | Males(n = 32) | Females(n = 46) | Juveniles (n = 2) | Males(n = 92) | Females(n = 72) | Juveniles(n = 14) | Males(n = 34) | Females(n = 43) | Juveniles(n = 11) |
| SVL  | 92.9–125.3 (112.3±0.8) | 89.3–122.1 (111.8±0.8) | 53.4–78.8 (68.8±1.8) | 97.2–132.2 (118.9±1.4) | 97.4–134.6 (121.1±1.2) | 73.5–74.4 | 80.6–113.5 (97.8±0.7) | 81.0–105.5 (96±0.7) | 41.1–77.1 (65.4±2.9) | 88.8±123.0 (109.3±1.4) | 86.5–126.5 (112.4±1.3) | 55.0–84.8 (74.8±3.1) |
| TaL | 7.2–97.9 (75.2±1.9) | 17.5–98.3 (70.3±1.7) | 11.8–61.2 (48.1±2.6) | 36.7–108.6 (72.7±3.7) | 48.4–106.7 (78.2±2.7) | 62.5–62.7 | 6.2–84.8 (61.5±1.7) | 22.7–81.2 (58.4±1.4) | 20.9–64.7 (48.3±3.4) | 2.8–96.8 (72.5±3.8) | 43.3–102.2 (72.2±2.1) | 44.2–68.9 (58.7±2.7) |
| AG | 42.5–64.4 (52.35±0.5) | 43.1–63.5 (53.7±0.5) | 25.1–39.8 (31.7±1.0) | 44.4–65.9 (55.9±0.7) | 41.4–66.3 (56.6±0.8) | 35.2–36.6 | 36.9–59.7 (48.5±0.5) | 37.4–59.8 (48.6±0.6) | 18.1–37.0 (29.7±1.5) | 39.7–60.9 (50.0±0.9) | 37.9–62.5 (52.8±0.8) | 23.6–40.1 (33.3±1.5) |
| WT | 4.9–19.4 (8.4±0.2) | 5.1–13.7 (8.8±0.2) | 3.3–5.9 (4.5±0.2) | 4.6–13.7 (9.0±0.5) | 5.2–13.1 (9.1±0.3) | 4.7–4.8 | 5.1–13.8 (10.4±0.2) | 5.4–12.9 (9.7±0.2) | 4.2–7.4 (6.1±0.3) | 4.9–12.6 (8.5±0.4) | 5.5–12.2 (8.8±0.3) | 3.9–6.2 (5.1±0.2) |
| BW | 12.5–26.3 (17.7±0.3) | 12.1–25.8 (18.6±0.3) | 7.6–16.7 (11.2±0.5) | 11.8–26.3 (19.0±0.6) | 11.8–24.7 (19.9±0.4) | 12.0–13.3 | 11.9–24.2 (18.4±0.3) | 12.6–23.8 (18.3±0.3) | 6.8–15.5 (11.9±0.7) | 12.7–22.4 (17.2±0.4) | 13.4–23.5 (18.5±0.4) | 9.6–13.6 (11.6±0.4) |
| BH | 9.3–17.4 (13.9±0.2) | 10.5–21.2 (15.2±0.28) | 5.9–11.4 (8.93±0.4) | 10.4–19.6 (15.1±0.4) | 9.9–20.1 (15.7±0.4) | 9.5–11.0 | 9.9–20.3 (14.9±0.2) | 8.4–19.4 (14.4±0.3) | 4.8–13.3 (9.8±0.7) | 9.3–18.9 (13.9±0.3) | 10.7–19.2 (14.5±0.4) | 6.4–10.9 (8.7±0.5) |
| ND | 2.8–4.8 (4.0±0.1) | 2.6–4.8 (4.1±0.1) | 2.2–3.1 (2.7±0.1) | 2.9–4.7 (3.9±0.1) | 2.7–4.9 (4.0±0.1) | 2.7–2.9 | 2.7–4.6 (3.7±0.1) | 2.6–4.5 (3.6±0.1) | 2.0–3.1 (2.7±0.1) | 2.9–4.4 (3.7±0.1) | 3.1–4.6 (3.7±0.1) | 2.3–3.3 (2.8±0.1) |
| HL | 24.9–35.5 (30.7±0.3) | 21.9–35.4 (30.2±0.3) | 10.6–24.0 (19.5±0.7) | 24.7–35.6 (31.9±0.4) | 24.1–35.9 (31.9±0.4) | 20.6–20.9 | 20.6–30.0 (25.8±0.2) | 20.6–28.4 (25.1±0.2) | 13.1–20.7 (17.8±0.7) | 23.9–34.7 (29.3±0.4) | 23.3–35.3 (29.7±0.4) | 16.1–25.1 (21.0±0.9) |
| HW | 17.9–24.6 (22.1±0.2) | 16.5–24.2 (21.9±0.2) | 10.8–19.7 (14.5±0.4) | 18.6–24.8 (22.1±0.3) | 17.7–25.1 (22.2±0.2) | 14.8 | 15.9–21.8 (19.0±0.1) | 14.9–20.8 (17.9±0.2) | 9.4–16.5 (13.0±0.6) | 16.9–24.1 (20.6±0.3) | 16.1–23.5 (20.6±0.3) | 11.8–17.5 (14.9±0.6) |
| HH | 9.5–16.5 (12.9±0.2) | 8.4–16.3 (12.5±0.2) | 5.5–10.0 (7.9±0.3) | 9.5–16.2 (13.7±0.2) | 9.1–17.3 (13.7±0.3) | 9.2–9.4 | 8.0–15.8 (12.4±0.2) | 8.6–15.2 (11.7±0.2) | 6.2–11.9 (8.5±0.4) | 8.7–14.9 (12.1±0.3) | 9.8–14.6 (12.4±0.2) | 6.7–10.0 (8.6±0.3) |
| CH | 5.1–8.8 (7.3±0.1) | 3.9–8.8 (7.2±0.1) | 2.8–5.1 (4.4±0.1) | 5.3–9.1 (7.4±0.2) | 5.3–9.6 (7.5±0.1) | 5.1–5.9 | 4.1–8.6 (6.2±0.1) | 4.3–8.7 (6.0±0.1) | 3.2–6.0 (4.4±0.3) | 5.2–8.0 (6.8±0.1) | 4.7–8.8 (6.8±0.2) | 3.9–5.4 (4.8±0.2) |
| MW | 15.3–22.0 (18.9±0.2) | 12.8–22.6 (18.9±0.2) | 9.1–14.7 (12.1±0.4) | 16.2–21.9 (18.9±0.3) | 15.3–21.6 (19.3±0.2) | 12.2–13.2 | 11.6–18.2 (15.4±0.1) | 11.6–18.1 (14.6±0.2) | 7.4–12.6 (10.6±0.5) | 14.7–20.2 (17.6±0.3) | 14.9–19.8 (17.8±0.2) | 10.–14.8 (12.6±0.5) |
| ML | 15.5–22.4 (19.1±0.2) | 14.9–23.3 (19.4±0.2) | 9.7–14.3 (12.4±0.3) | 16.9–23.3 (20.1±0.3) | 15.7–22.9 (20.1±0.2) | 12.1–12.6 | 11.8–18.6 (15.4±0.1) | 11.7–17.3 (14.9±0.1) | 7.4–13.2 (10.8±0.5) | 15.6–21.8 (18.4±0.2) | 15.0–22.2 (18.7±0.2) | 9.7–15.5 (13.4±0.5) |
| IO1 | 6.5–9.9 (8.5±0.1) | 6.5–9.9 (8.4±0.1) | 4.7–6.8 (5.8±0.1) | 6.6–9.5 (8.2±0.1) | 6.7–9.3 (8.1±0.1) | 5.7–5.8 | 5.9–8.4 (7.1±0.1) | 5.3–8.1 (6.8±0.1) | 4.0–6.0 (5.0±0.2) | 5.8–9.0 (7.4±0.1) | 6.3–9.0 (7.6±0.1) | 4.5–6.9 (5.6±0.2) |
| IO2 | 11.7–17.8 (15.1±0.1) | 11.0–17.7 (15.1±0.1) | 6.3–11.1 (9.8±0.3) | 13.1–18.4 (15.6±0.2) | 12.4–18.1 (15.5±0.2) | 10.1–10.8 | 10.1–14.3 (12.2±0.1) | 9.2–14.9 (11.8±0.1) | 7.5–10.7 (8.5±0.3) | 11.7–17.2 (14.4±0.2) | 10.9–16.9 (14.5±0.2) | 8.1–12.9 (10.9±0.5) |
| SE | 9.9–13.3 (11.8±0.1) | 9.4–13.4 (11.9±0.1) | 4.6–10.7 (7.6±0.3) | 10.9–13.9 (12.6±0.2) | 10.2–14.2 (12.9±0.1) | 8.3–8.6 | 5.8–10.9 (9.6±0.1) | 6.5–10.8 (9.3±0.1) | 4.9–8.4 (7.0±0.3) | 9.5–12.6 (11.5±0.1) | 9.5–12.9 (11.8±0.2) | 5.9–9.8 (8.1±0.4) |
| ED | 6.8–11.7 (8.5±0.1) | 6.0–12.1 (8.5±0.1) | 3.7–6.8 (5.5±0.2) | 6.0–9.3 (8.3±0.1) | 6.0–9.4 (8.3±0.1) | 5.5–5.8 | 4.6–8.0 (6.3±0.1) | 4.9–7.6 (6.3±0.1) | 3.6–4.9 (4.4±0.1) | 6.0–9.3 (7.6±0.1) | 5.4–8.9 (7.7±0.1) | 4.4–6.6 (5.7±0.2) |
| EE | 6.8–11.8 (9.9±0.1) | 6.1–12.8 (9.8±0.1) | 3.1–7.3 (5.7±0.2) | 8.1–12.1 (10.2±0.2) | 8.1–11.9 (10.3±0.1) | 5.98–6.2 | 7.8–11.4 (10.0±0.1) | 7.3–11.3 (9.4±0.1) | 4.9–9.0 (6.5±0.3) | 6.9–10.9 (9.6±0.2) | 7.1–10.8 (9.6±0.1) | 4.5–7.7 (6.5±0.3) |
| AD | 2.2–5.4 (3.8±0.1) | 2.4–5.4 (3.8±0.1) | 1.2–2.7 (2.1±0.1) | 2.1–4.5 (3.2±0.1) | 2.2–4.7 (3.1±0.1) | 1.8–2.1 | 1.2–3.7 (2.6±0.1) | 1.5–3.9 (2.7±0.1) | 1.3–2.4 (1.7±0.1) | 1.6–3.4 (2.6±0.1) | 1.4–4 (2.6±0.1) | 1.3–2.8 (1.7±0.1) |
| FLL | 39.1–53.0 (48.3±0.3) | 37.7–53.5 (48.1±0.3) | 17.3–38.9 (30.9±1.2) | 45.2–57.7 (51.8±0.6) | 43.7–60.5 (52.7±0.5) | 33.1–33.7 | 29.1–40.3 (34.7±0.3) | 29.6–38.9 (34.4±0.3) | 16.5–30.7 (25.1±1.2) | 42.8–54.9 (48.8±0.5) | 41.6–55.7 (48.8±0.5) | 26.9–40.5 (34.4±1.4) |
| HLL | 50.5–64.4 (57.9±0.3) | 46.5–63.8 (57.6±0.4) | 22.2–45.5 (37.4±1.5) | 52.9–69.2 (63.6±1.0) | 52.5–71.1 (64.5±0.6) | 40.6–40.7 | 38.3–49.2 (44.3±0.3) | 36.7–49.6 (43.3±0.3) | 19.4–38.3 (32.5±1.7) | 47.7–66.1 (58.6±0.7) | 47.0–66.6 (59.2±0.6) | 34.0–47.7 (41.2±1.7) |
| SPL | 9–11 (16) | 8–11 (16) | 8–10 (3) | 9–11 (20)  | 9–12 (30) | 10–11 | 8–10 (62) | 7–10 (52) | 7–10 (8) | 9–11 (13) | 8–12 (23) | 10–12 (3) |
| IFL | 7–9 (16) | 7–10 (16) | 7–8 (3) | 9–12 (20) | 9–12 (30) | 10 | 7–9 (62) | 6–9 (53) | 7–8 (8) | 8–11 (13) | 8–10 (23) | 9–10 (3) |
| N | 6–8(15) | – | – | 5–7 (20) | 5–7 (30) | 5–7 | 6–10 (61) | 5–10 (53) | 5–8 (7) | 5–7 (13) | 5–8 (20) | 5–7 (3) |
| IN | 0 (16) | 0 (15) | 0 (3) | 0–2 (20) | 0–3 (30) | 1–2 | 1–5 (54) | 1–5 (47) | 1–5 (8) | 1–2 (14) | 1–2 (24) | 1–2 (4) |
| P–IN | 0 (16) | 0 (15) | 0 (3) | 0–7 (20) | 2–7 (30) | 2–3 | 2–5 (54) | 2–6 (47) | 2–7 (8) | 2–5 (14) | 2–6 (24) | 3–5 (4) |
| PM | 2–5 (6) | 3 (4) | – | 2–4 (7) | 3–4 (9) | – | 2–5 (5) | 2–4 (13) | 3–5 (2) | 3–5 (4) | 2–6 (8) | 4–6 (2) |
| GP | 7–10 (6) | 6–9 (4) | – | 8–10 (7) | 7–10 (9) | – | 7–9 (4) | 7–10 (12) | 7–8 (2) | 6–9 (4) | 7–11 (8) | 10–11 (2) |
| PO | 10–13 (10) | 10–13 (11) | 10–12 (2) | 14–20 (4) | 15–20 (13) | – | 12–18 (57) | 12–17 (43) | 14–16 (5) | 14–16 (9) | 13–16 (13) | 16 (1) |
| CIL | 45–56 (16) | 47–55 (15) | 48–52 (2) | 52–59 (20) | 51–59 (30) | – | 47–58 (56) | 47–58 (42) | 52–57 (6) | 46–56 (13) | 48–56 (22) | 49–53 (3) |
| MB | 112–127(6) | 115–119(4) | – | 118–130 (7) | 119–123 (9) | – | 117–130 (3) | 120–127 | – | 119–144 (4) | 120–132 (6) | – |
| GST | 9–11 (15) | 9–10 (15) | 9–10 (3) | 11–13 (20) | 11–13 (30) | 11–12 | 10–13 (54) | 10–13 (52) | 11–13 (8) | 11–13 (11) | 11–12 (16) | 12 (3) |
| TL | 32–38 (16) | 31–37 (16) | 34–36 (3) | 31–37 (20) | 31–36 (30) | – | 23–30 (60) | 22–33 (53) | 22–28 (9) | 29–36 (13) | 29–38 (24) | 31–35 (4) |
| DTR | 23–24 (6) | 19–23 (4) | – | 19–24 (7) | 19–24 (9) | – | 16–22 (13) | 15–22 (15) | 15–21 (3) | 21–23 (4) | 21–24 (8) | 20–21 (2)  |
| LD1 | 10–11 (6) | 9–11 (4) | – | 10 (7) | 10–11 (9) | – | 6–7 (7) | 6–9 (12) | 6–7 (2) | 9–12 (4) | 9–11 (8) | 9–10 (2) |
| LD4 | 18–21 (6) | 19–20 (4) | – | 18–20 (7) | 18–21 (9) | – | 14–17 (7) | 13–17 (12) | 13–16 (2) | 19–22 (4) | 17–21 (8) | 17–20 (2) |
| LT1 | 10–12 (6) | 9–10 (4) | – | 11–12 (7) | 11–12 (9) | – | 6–10 (33) | 6–10 (35) | 6–9 (4)  | 11–12 (4) | 10–12 (8) | 11 (2) |
| LT4 | 22–25 (6) | 23–24 (4) | – | 21–24 (7) | 21–25 (9) | – | 18–19(32) | 17–20 (34) | 16–20 (3) | 22–26 (4) | 20–25 (8) | 22–26 (2) |
| PP | 18–23 (17) | 0 (16) | – | * 1. (19)
 | 0 (30) | – | 25–33 (62) | 25–33(7) | 24–30 (4) | 24–32 (14) | 0 (23) | 25 (2) |
| PAT | 2–3 (17) | 2–3 (10) | 2 (2) | 1–2 (20) | 1–2 (30) | 1–2 | 1–2 (61) | 1–2 (49) | 1 (8) | 1–2 (14) | 1–2 (23) | 2–3 (3) |