|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characters** | **Citation** | ***P*. *houi*** | ***P*. *lujiatunensis*** | ***P*. *major*** |
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| **ZMNH M12414** | **IVPP V12617** |
| narrow prefrontal-premaxilla contact  | in this study | ✓ | ✓ | - | - |
| higher ventral-most margin of the premaxilla raised above the maxillary tooth row | in this study | ✓ | ✓ | - | - |
| axes of maxillary tooth row and dorsal process of jugal oriented an angle of about 135 degrees in lateral view | in this study | ✓ | ✓ | - | - |
| subtriangular supraoccipital widest at its ventral margin | in this study | ✓ | ✓ | - | - |
| long jugal bar of the postorbital process nearly twice as a temporal bar of the bone | in this study | ✓ | ✓ | - | - |
| long preorbital region reaching about one half of the skull length | in this study | ✓ | ✓ | - | - |
| posterodorsally-elongated laterotemporal fenestra oriented at an angle of about 45 degrees in lateral view | in this study | ✓ | ✓ | - | - |
| posterior margin of the parietal nearly linear perpendicular to the sagittal crest with no indentation on the midline | in this study | ✓ | ✓ | - | - |
| anterior margin of rostral and nasal gently sloped posterodorsally at 30 degree | in this study | ✓ | ✓ | - | - |
| height of the retroarticular process approximately at the same level as the dentary tooth row | in this study | ✓ | ✓ | - | - |
| proportion of the width across the anterior margins to that across the posterior margins of the maxillary tooth rows more than 45% in ventral view | Han et al., 2018 | ✓ | ✓ | ✓ | - |
| triangular, or subtriangular, shape of the maxillary fossa | Han et al., 2018 | ✓ | ✓ | ✓ | - |
| infratemporal ramus of the jugal forming the anteroventral margin of the infratemporal fenestra, without expanding dorsally to form a part of the posterior margin | Han et al., 2018 | ✓ | ✓ | ✓ | - |
| elongate basipterygoid processes subequal in length to the body of the basisphenoid as measured from the notch between the processes to the basal tubera | Sereno, 2010; Hedrick and Dodson, 2013 | ✓ | ✓ | - | ✓ |
| external naris lying above the maxilla | Han et al., 2018 | ✓ | ✓ | - | ✓ |
| position of the maxillary fossa lying anterior to the orbit  | Han et al., 2018 | ✓ | ✓ | - | ✓ |
| strongly curved ventral margin of the dentary | Han et al., 2018 | ✓ | ✓ | - | ✓ |