

LIST OF ABBREVIATIONS
USED IN THE ILLUSTRATIONS

A.CH	Anterior ceratohyal
A.COP	Anterior copula
A.MD	Anterior myodome
AN	Angular
APA	Autopalatine
APO	Apophysis
APT	Autopterotic
ASP	Autosphenotic
AU.CAP	Auditory capsule
BC.CM	Basicapsular commissure
BC.FN	Basicapsular fenestra
BH	Basihyal
BOC	Basioccipital
BR	Brain
BV.CM	Basivestibular commissure
C.CV	Cranial cavity
CA.RES	Cartilage resorption
CB	Ceratobranchial
CH	Ceratohyal
COR.PR	Coronoid process of Meckel's cartilage
CRI.PC	Crista parotica of the auditory capsule
D.HH	Dorsal hypohyal
DE	Dentary
E.PL	Ethmoid plate

EB	Epibranchial
EC	Ectopterygoid
EH	Endopterygoid
EP.B	Epiphysial bridge
EPA .AR	Ethmopalatine articulation
EPO	Epiotic
EY	Eye
EY.CAP	Eye capsule
EY.LE	Eye lens
F.POP	Fontanella postpinealis
F.PRP	Fontanella prepinealis
POR	Foramen
FR	Frontal
FS.SP.N	First spinal nerve
H.SC.CL	Horizontal semicircular canal
HB	Hypobranchial
HH	Hypohyal
HP.FN	Hypophysial fenestra
HS	Hyosymplectic
HYM	Hyomandibular
HYM.NI	Niche for hyomandibular facialis
HYM.PR	Hyomandibular process
HYM .ST	Hyomandibular socket
IH	Interhyal
IN.EX	Intramembranous extension
IPHB	Infrapharyngobranchial
L.LI	Lower lip

PO.B	Prootic bridge
PO.PR	Prootic process
PQ	Palatoquadrate
PS	Parasphenoid
PV	Prevomer
Q	Quadrate
R.PA.PR	Rostro-palatine process
RA.PR	Retroarticular process
S	Septum
S.SC.L	Septum semicircular lateralis
S.SC.P	Septum semicircular posterior
SD.FN	Sphenoidal fenestra
SOC	Supraoccipital
SP.CO	Spinal cord
SS.CM	Sphenoseptal commissure
SY	Symplectic
SY.PR	Symplectic process
T.MAR.A	Taenia marginalis anterior
T.MAR.P	Taenia marginalis posterior
T.TC.M	Taenia tecti medialis
TC.SN	Tectum synoticum
TE	Teeth
TR	Trabecula
TR.COM	Trabecula communis
U.LI	Upper lip
V.HH	Ventral hypohyal

EXPLANATION OF PLATES

- Pl. 1. Drawings of transverse sections through the head of the 3.5 mm larval stage of Gambusia affinis affinis. A & B, orbital region; C, otic region and D, occipital region.
- Pl. 2. Drawings of transverse sections through the head of the 4 mm larval stage of Gambusia affinis affinis. A, B & C, orbital region; D, otic region and E, occipital region .
- Pl. 3. Drawings of transverse sections through the head of the 5 mm larval stage of Gambusia affinis affinis. A, ethmoid region and B, C & D, orbital region.
- Pl. 4. Drawings of transverse sections through the head of the 5 mm larval stage of Gambusia affinis affinis. A & B, orbital region and C, otic region .
- Pl. 5. Drawings of transverse sections through the head of the 6 mm larval stage of Gambusia affinis affinis. A & B, ethmoid region and C & D, otic region.
- Pl. 6. Drawings of transverse sections through the head of the 6 mm larval stage of Gambusia affinis affinis. A, B & C, otic region.

- Pl. 7. Drawings of transverse sections through the head of the 8 mm larval stage of Gambusia affinis affinis. A, B & C, orbital region.
- Pl. 8. Drawings of transverse sections through the head of the 8 mm larval stage of Gambusia affinis affinis. A & B, orbital region and C, otic region .
- Pl. 9. Drawings of transverse sections through the head of the 8 mm larval stage of Gambusia affinis affinis. A, otic region and B, occipital region.
- Pl. 10. Drawings of transverse sections through the head of the 10 mm larval stage of Gambusia affinis affinis. A, rostral region and B, C & D, ethmoid region.
- Pl. 11. Drawings of transverse sections through the head of the 19 mm larval stage of Gambusia affinis affinis. A, B & C, ethmoid region and D & E, orbital region.
- Pl. 12. Drawings of transverse sections through the head of the 19 mm larval stage of Gambusia affinis affinis. A, orbital region and B, C & D, otic region.
- Pl. 13. Drawings of transverse sections through the head of the 19 mm larval stage of Gambusia affinis affinis. A & B, otic region and C & D, occipital region.
- Pl. 14. Photomicrographs of transverse sections through the head of the 3.5 mm larval stage of Gambusia affinis

affinis. A, orbital region. 94X and B, occipital region. 35X.

- Pl. 15. Photomicrographs of transverse sections through the head of the 4 mm larval stage of Gambusia affinis affinis. A, otic region. 82 X and B, occipital region. 35 X.
- Pl. 16. Photomicrographs of transverse sections through the head of the 5 mm larval stage of Gambusia affinis affinis. A, ethmoid region. 20 X and B, orbital region. 112 X.
- Pl. 17. Photomicrographs of transverse sections through the head of the 6 mm larval stage of Gambusia affinis affinis. A, ethmoid region. 18 X and B & C, otic region. 35 X & 33 X respectively.
- Pl. 18. Photomicrographs of transverse sections through the head of the 8 mm larval stage of Gambusia affinis affinis. A, orbital region. 37 X and B, otic region. 30 X .
- Pl. 19. Photomicrographs of transverse sections through the head of the 10 mm larval stage of Gambusia affinis affinis. A & B, ethmoid region. 103 X & 133 X respectively.
- Pl. 20. Photomicrographs of transverse sections through the head of the 19 mm larval stage of Gambusia affinis affinis. A, ethmoid region . 88 X ; B, orbital region. 42 X and C, otic region . 32 X.