

## PLATE XLIII.

Figs. 1-10. *Goodsiria placenta*, n. sp.

<p><i>a.</i> Anus.  <i>at.</i> Atrial aperture.  <i>at. tn.</i> Atrial tentacles.  <i>br. f.</i> Fold in branchial sac.  <i>d. l.</i> Dorsal lamina.  <i>g. t.</i> Glandular tubules on wall of intestine.</p>	<p><i>i.</i> Intestine.  <i>i. l.</i> Internal longitudinal bar of branchial sac.  <i>m.</i> Mantle.  <i>n. g.</i> Nerve ganglion.  <i>o.</i> Oesophagus.  <i>p. p.</i> Peripharyngeal band.</p>	<p><i>r.</i> Rectum.  <i>sg.</i> Stigmata of branchial sac.  <i>st.</i> Stomach.  <i>tn, tn'.</i> Tentacles.  <i>tr.</i> Transverse vessel of branchial sac.  <i>ves.</i> Vesicle into which the glandular tubules open.</p>
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- Fig. 1. Colony of *Goodsiria placenta*; natural size.
- Fig. 2. Transverse section of colony of *Goodsiria placenta*; natural size.
- Fig. 3. Part of the test of *Goodsiria placenta*, showing vessels; magnified (S., 1 inch).
- Fig. 4. Part of branchial sac of *Goodsiria placenta*, showing folds and dorsal lamina; magnified (S., 1 inch).
- Fig. 5. Alimentary canal of *Goodsiria placenta*; slightly enlarged.
- Fig. 6. Alimentary canal of another Ascidiozoid of *Goodsiria placenta*; magnified (S., 1 inch, reduced).
- Fig. 7. Glandular tubules from wall of intestine; highly magnified (S.,  $\frac{1}{4}$  inch).
- Fig. 8. Part of intestine and stomach showing glandular tubules opening into a vesicle which communicates with the stomach; highly magnified (S.,  $\frac{1}{4}$  inch).
- Fig. 9. Tailed larva of *Goodsiria placenta*; magnified (S., 1 inch, reduced).
- Fig. 10. Anterior part of Ascidiozoid of *Goodsiria placenta*, showing branchial and atrial tentacles, &c.; magnified (S., 1 inch).