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On the cover: An IgV_J-C2 molecule found in invertebrate amphioxus (AmpIgV_J-C2) reveals critical structural features characteristic of vertebrate adaptive immune receptors. Immunogold electron microscopy shows that IgV_J-C2 is localized in secretory granules, cell protrusions, and cilia of intestine, which are considered to be major immune response sites. Chen, R., L. Zhang, J. Qi, N. Zhang, L. Zhang, S. Yao, Y. Wu, B. Jiang, Z. Wang, H. Yuan, Q. Zhang, and C. Xia. 2018. Discovery and analysis of invertebrate IgV_J-C2 structure from amphioxus provides insight into the evolution of the Ig superfamily. *J. Immunol.* 200: 2869–2881.

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