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Alissa S Crans* (acrans@lmu.edu), **Marco Bonatto** and **Glen Whitney**. *The Structure of Hom Quandles.*

If A is an abelian quandle and Q is a quandle, the hom set $\text{Hom}(Q, A)$ of quandle homomorphisms from Q to A has a natural quandle structure. We show that it suffices to consider only medial source quandles, and therefore the structure theorem of Jedlicka et. al. provides a characterization of the Hom quandle. In the particular case when the target is 2-reductive this characterization takes on a simple form that makes it easy to count and determine the structure of the Hom quandle. (Received September 14, 2019)