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Agnes E. Szendrei* (szendrei@euclid.colorado.edu), Department of Mathematics,
University of Colorado, Boulder, CO 80309-0395, and **Erkko Lehtonen**. *Clones with finitely
many relative \mathcal{R} -classes*. Preliminary report.

We define an analog of Green's \mathcal{R} -relation relative to any clone. We report on research into the problem of determining for which clones there are only finitely many relative \mathcal{R} -classes. (Received January 27, 2009)