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David A Clark* (davidclark@rmc.edu), Randolph-Macon College, 204 Henry Street, Ashland, VA 23005. *An action of the symmetric group on \mathfrak{su}_3 Khovanov homology.* Preliminary report.

We demonstrate an action of the symmetric group on the \mathfrak{su}_3 Khovanov homology of a knot's n -cable, given by isotopies that permute cable strands. We will discuss implications of this action to an extension of the homology theory to higher irreducible representations of \mathfrak{su}_3 . (Received July 26, 2010)