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Minneapolis, MN 55057. *Hecke algebras that are Iwanaga-Gorenstein*. Preliminary report.

In work with Serge Bouc and Radu Stancu we consider representations of the Hecke algebra which is the endomorphism ring of the direct sum of all (transitive) permutation modules for a finite group. These are equivalent to the representations of the Hecke category which has the permutation modules as its objects. By a theorem of Yoshida they are also equivalent to the cohomological Mackey functors on the group. Over a field of characteristic  $p$  we show that projective representations all have finite injective dimension if and only if Sylow  $p$ -subgroups are cyclic, or  $p = 2$  and Sylow 2-subgroups are dihedral. (Received August 27, 2013)