I will discuss recent work with Jenia Tevelev on giving an affirmative answer to a question of Orlov. Namely, we prove that the derived category of the Grothendieck-Knudsen moduli space M(0,n) of stable, rational curves with n markings admits a full, exceptional collection that is invariant under the action of the symmetric group S_n. A consequence is that the S_n representation given by the cohomology is a permutation representation.