We report *Taenia ovis* infection in Danish sheep for the first time. In spring 2016, the metocestode stage of *T. ovis* was at slaughter observed in heart muscles, diaphragm and skeletal muscles from approx. a third of all sheep from one specific farm localised in South Jutland. The diagnosis was confirmed by molecular typing of the mitochondrial cytochrome c oxidase I (cox1) gene. Three newly imported dogs were suspected but the definitive host was unidentifiable. The finding is not regulated in the meat control procedures. However, infected meat is usually condemned due to aesthetic reasons causing economic losses. Thus, finding of *T. ovis* is of concern to sheep meat producers in the area, as the infection could have spread further on to other farms.