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Subhankar Dey* (subhanka@buffalo.edu). *A note on a geography problem in knot Floer homology.* Preliminary report.

Using Legendrian knot invariant defined by Lisca-Ozasvath-Stipsicz-Szabo, we prove that knot Floer homology of a certain class of knots is non-trivial in next-to-top Alexander grading. This gives a partial affirmative answer to a question posed by Baldwin and Vela-Vick. (Received August 18, 2020)