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Joshua Wang* (jxwang@math.harvard.edu). *Split link detection for $\mathfrak{sl}(P)$ link homology in characteristic P .*

If P is a prime number, we show that reduced $\mathfrak{sl}(P)$ link homology with mod P coefficients detects split links. The argument uses Dowlin's spectral sequence and sutured Floer homology with twisted coefficients. When $P = 2$, we recover Lipshitz–Sarkar's split link detection result for Khovanov homology with mod 2 coefficients. (Received December 30, 2021)