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## **Electronic Supplementary Information (ESI)**

First-principles calculation of in-plane and out-of-plane piezoelectric properties of two-dimensional Janus MoSSiX<sub>2</sub> (X=N, P, As) monolayers

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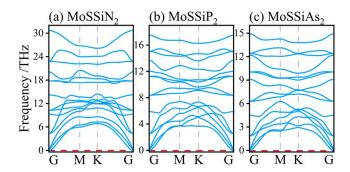


Fig. S1. The phonon dispersion curve after applying a 4% compressive strain of Janus  $MoSSiX_2$  (X=N, P, As) monolayers.

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