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R. Temperley et al.
During translation of mitochondrial genes, shifting the ribosome reading frame avoids unconventional arginine codons.

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Y. F. Chan et al.
Loss of a tissue-specific enhancer explains multiple parallel losses of the pelvic girdle in stickleback populations.

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S. Mayama et al.
An infrared image taken with the Subaru Telescope reveals young binary stars and their circumstellar environments.

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