The *LEU2* gene in the budding yeast *S. cerevisiae* is essential for the organism's ability to make its own leucine and thus grow on media lacking leucine. The nonsense mutation in *LEU2* which is depicted below makes yeast incapable of synthesizing their own leucine.

wild-type coding strand: 5'...UAC...3'
nonsense mutant allele: 5'... UAG... 3'

Researchers found a leu⁺ revertant in which one of the tRNA$^{\text{Ser}}$ genes underwent a single base substitution to become a nonsense suppressor. Which of the following could represent the anti-codon of this mutant tRNA?

1. 5'...CUA...3'  
2. 5'...AUC...3'  
3. 5'...CUU...3'  
4. 5'...CGA...3'