[CLAIMS]

[Claim 1]

An adenylosuccinate synthetase variant, wherein the 85th amino acid from the N-terminus of the amino acid sequence of SEQ ID NO: 2 is substituted with a different amino acid.

[Claim 2]

The adenylosuccinate synthetase variant according to claim 1, wherein the different amino acid is selected from the group consisting of serine, alanine, valine, leucine, methionine, isoleucine, threonine, asparagine, glutamine, cysteine, tyrosine, lysine, aspartic acid, and glutamic acid.

[Claim 3]

A polynucleotide encoding the adenylosuccinate synthetase variant of claim 1.

[Claim 4]

A vector comprising the polynucleotide of claim 3.

[Claim 5]

A microorganism of the genus *Corynebacterium* producing purine nucleotides by comprising the adenylosuccinate synthetase variant of claim 1 or the vector of claim 4.

[Claim 6]

The microorganism according to claim 5, wherein the microorganism of the genus *Corynebacterium* is *Corynebacterium stationis*.

[Claim 7]

A method for preparing IMP, XMP or GMP, comprising:

culturing the microorganism of the genus *Corynebacterium* of claim 5 in a medium; and

recovering the IMP, XMP or GMP from the microorganism or the medium.

[Claim 8]

The method according to claim 7, wherein the microorganism of the genus *Corynebacterium* is *Corynebacterium stationis*.