

Resource Summary Report

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[pod-2\(syb1772\[pod-2::His10\]\) II; mccc-1\(syb1666\[mccc-1::His10\]\) IV; pyc-1\(syb1680\[pyc-1::His10\]\) V; pcca-1\(syb1626\[pcca-1::His10\]\) X.](#)

RRID:WB-STRAIN:WBStrain00054654

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00054654

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00054654>

Proper Citation: RRID:WB-STRAIN:WBStrain00054654

Description: *Caenorhabditis elegans* with name pod-2(syb1772[pod-2::His10]) II; mccc-1(syb1666[mccc-1::His10]) IV; pyc-1(syb1680[pyc-1::His10]) V; pcca-1(syb1626[pcca-1::His10]) X. from WB.

Species: *Caenorhabditis elegans*

Synonyms: pod-2(syb1772[pod-2::His10]) II; mccc-1(syb1666[mccc-1::His10]) IV; pyc-1(syb1680[pyc-1::His10]) V; pcca-1(syb1626[pcca-1::His10]) X.

Notes: Superficially wild-type. Referred to as MP3-His. Strain can be used to biotinylated carboxylases from worm extracts. AX7884 obtained by crossing parental strains PHX1772 pod-2(syb1772[pod-2::His10]) II, PHX1666 mccc-1(syb1666[mccc-1::His10]) IV, PHX1680 pyc-1(syb1680[pyc-1::His10]) V and PHX1626 pcca-1(syb1626[pcca-1::His10]) X to obtain the quadruple His10-tagged strain. The 5xGlycine(G-linker)-His10 tag is a 45 bp sequence (GGAGGAGGAGGAGGACACCATCACCATCACCAACCACCACCACCAC) encoding five glycine as a linker and ten histidine residues was knocked in at the C terminus-just upstream of the termination codon-of each of the four carboxylases. Reference: Artan M, et al. J Biol Chem. 2022 Aug 3:102343. doi: 10.1016/j.jbc.2022.102343. Epub ahead of print. PMID: 35933017.

Affected Gene: WBGene00004076(pod-2)|WBGene00004258(pyc-1)|WBGene00009319(mccc-1)|WBGene00017864(pcca-1)

Genomic Alteration: WBGene00004076(pod-2), WBGene00004258(pyc-1), WBGene00009319(mccc-1), WBGene00017864(pcca-1)

Catalog Number: WB-STRAIN:WBStrain00054654

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: pod-2(syb1772[pod-2::His10]) II; mccc-1(syb1666[mccc-1::His10]) IV; pyc-1(syb1680[pyc-1::His10]) V; pcca-1(syb1626[pcca-1::His10]) X.

Record Creation Time: 20240716T202603+0000

Record Last Update: 20260905T115757+0000

Ratings and Alerts

No rating or validation information has been found for pod-2(syb1772[pod-2::His10]) II; mccc-1(syb1666[mccc-1::His10]) IV; pyc-1(syb1680[pyc-1::His10]) V; pcca-1(syb1626[pcca-1::His10]) X..

No alerts have been found for pod-2(syb1772[pod-2::His10]) II; mccc-1(syb1666[mccc-1::His10]) IV; pyc-1(syb1680[pyc-1::His10]) V; pcca-1(syb1626[pcca-1::His10]) X..

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We have not found any literature mentions for this resource.