

Carbon-Carbon Lyases Ec 4.1

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The glyoxylate and methylcitrate cycles are involved in the metabolism of... 11th November, 2009
Department of Agricultural Biotechnology, Centers for Fungal Pathogenesis- Eukaryot Cell. 2009 Aug;8(8):1155-64. Epub 2009 Jun 12. ([DOI Direct Link](#))
- [Sesquiterpene variability in the gorgonian genus *Plexaurella*.](#)
Gorgonian corals have proven to be a prolific source of a variety of... 1st October, 2009
Department of Chemistry and Biochemistry & Center of Excellence in- Comp Biochem Physiol C Toxicol Pharmacol. 2009 Aug;150(2):125-31. Epub ([DOI Direct Link](#))
- [A multi-gene phylogeny for *Stachybotrys* evidences lack of trichodiene synthase \(*tri5*\) gene for isolates of one of three intrageneric lineages.](#)
*Members of the mitosporic fungal form-genus *Stachybotrys*, including common...* 29th September, 2009
Department of Ecology and Evolutionary Biology, University of Toronto, 25- Mycol Res. 2009 Aug;113(Pt 8):877-86. Epub 2009 May 5. ([DOI Direct Link](#))
- [The presence of a 1-aminocyclopropane-1-carboxylate \(ACC\) deaminase deletion mutation alters the physiology of the endophytic plant growth-promoting bacterium *Burkholderia phytofirmans* PsJN.](#)
The structural gene for 1-aminocyclopropane-1-carboxylate (ACC) deaminase... 22nd September, 2009
Department of Biology, University of Waterloo, Waterloo, ON, Canada.- FEMS Microbiol Lett. 2009 Jul;296(1):131-6. Epub 2009 May 7. ([DOI Direct Link](#))
- [\[Isolation and identification of hydrogen-oxidizing bacteria producing 1-aminocyclopropane-1-carboxylate deaminase and the determination of enzymatic activity\]](#)
*OBJECTIVE: We used *Medicago sativa* rhizosphere in Shaanxi province of...* 11th September, 2009
Key Laboratory of Resource Biology and Biotechnology in Western China,- Wei Sheng Wu Xue Bao. 2009 Mar 4;49(3):395-9.
- [A versatile photoactivatable probe designed to label the diphosphate binding site of farnesyl diphosphate utilizing enzymes.](#)
Farnesyl diphosphate (FPP) is a substrate for a diverse number of enzymes... 10th September, 2009
Department of Chemistry, University of Minnesota, Minneapolis, MN 55455,- Bioorg Med Chem. 2009 Jul 1;17(13):4797-805. Epub 2009 Apr 22. ([DOI Direct Link](#))
- [Increased cadmium and lead uptake of a cadmium hyperaccumulator tomato by cadmium-resistant bacteria.](#)
*Two cadmium (Cd)-resistant strains *Pseudomonas* sp. RJ10 and *Bacillus* sp....* 26th August, 2009
MOA Key Laboratory of Microbiological Engineering of Agricultural- Ecotoxicol Environ Saf. 2009

- Jul;72(5):1343-8. Epub 2009 Apr 14. ([DOI Direct Link](#))
- [Subunit structure of benzylsuccinate synthase.](#)
*Benzylsuccinate synthase is a member of the glycyl radical family of...*18th July, 2009
Department of Chemistry, University of Michigan, Ann Arbor, Michigan- Biochemistry. 2009 Feb 17;48(6):1284-92. ([DOI Direct Link](#))
 - [Ethylene levels are regulated by a plant encoded 1-aminocyclopropane-1-carboxylic acid deaminase.](#)
*Control of the levels of the plant hormone ethylene is crucial in the...*30th June, 2009
Department of Biology, Queen's University, Kingston, Ontario, Canada K7L- Physiol Plant. 2009 May;136(1):94-109. Epub 2009 Feb 4. ([DOI Direct Link](#))
 - [Comparative effectiveness of Pseudomonas and Serratia sp. containing ACC-deaminase for improving growth and yield of wheat \(Triticum aestivum L.\) under salt-stressed conditions.](#)
*Ethylene synthesis is accelerated in response to various environmental...*23rd May, 2009
Institute of Soil and Environmental Sciences, University of Agriculture,- Arch Microbiol. 2009 May;191(5):415-24. Epub 2009 Mar 3. ([DOI Direct Link](#))
 - [Plant growth-promoting and rhizosphere-competent Acinetobacter rhizosphaerae strain BIHB 723 from the cold deserts of the Himalayas.](#)
*A phosphate-solubilizing bacterial strain BIHB 723 isolated from the...*15th May, 2009
Plant Pathology and Microbiology Laboratory, Hill Area Tea Sciences,- Curr Microbiol. 2009 Apr;58(4):371-7. Epub 2009 Jan 10. ([DOI Direct Link](#))
 - [Characterization of chryseobacterium aquaticum strain PUPC1 producing a novel antifungal protease from rice rhizosphere soil.](#)
*Strain PUPC1 produces an antifungal protease as well as plant growth...*4th April, 2009
Department of Biotechnology, Pondicherry University, Kalapet, Puducherry,- J Microbiol Biotechnol. 2009 Jan;19(1):99-107.
 - [Methylobacterium phyllosphaerae sp. nov., a pink-pigmented, facultative methylotroph from the phyllosphere of rice.](#)
*A pink-pigmented, aerobic, facultatively methylotrophic bacterial strain,...*20th February, 2009
Department of Agricultural Chemistry, Chungbuk National University,- Int J Syst Evol Microbiol. 2009 Jan;59(Pt 1):22-7. ([DOI Direct Link](#))
 - [Rhizosphere bacteria containing 1-aminocyclopropane-1-carboxylate deaminase increase yield of plants grown in drying soil via both local and systemic hormone signalling.](#)
*Decreased soil water availability can stimulate production of the plant...*12th February, 2009
All-Russia Research Institute for Agricultural Microbiology, Podbelskogo- New Phytol. 2009 Jan;181(2):413-23. ([DOI Direct Link](#))
 - [Evaluation of toluene degradation pathways by two-dimensional stable isotope fractionation.](#)
*Toluene degradation by several pure and mixed microbial cultures was...*15th January, 2009
Department of Isotope Biogeochemistry, Helmholtz Centre for Environmental- Environ Sci Technol. 2008 Nov 1;42(21):7793-800.

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