A wee BLAST
Challenge: Aromatic barley?
Question – is there an ortholog of the rice BAD2 gene in barley?
Results: 11

1. Aspergillus niger supercontig An11
   2,721,467 bp linear DNA
   Accession: AM270990.1 GI: 154215631
   GenBank FASTA Graphics Related Sequences

2. Oryza sativa Indica Group cultivar Kalanamak 3119 betaine aldehyde dehydrogenase (BADH1) gene, partial sequence
   4,214 bp linear DNA
   Accession: EU568603.1 GI: 194390132
   GenBank FASTA Graphics Related Sequences

3. Oryza sativa Japonica Group putative methylcrotonyl-CoA carboxylase beta chain (OSK17.1) gene, partial cds; transposons OLO24B and WANDERER, MITE MERMIOTE, transposon EXPLORER, retrotransposon BAJIE, transposons F770, ORSITETNOOT0072, DITTO, and TREP215, complete sequence; putative betaine aldehyde dehydrogenase (OSK17.2) gene, complete cds; transposon F569, complete sequence; putative disease resistance-like protein (OSK17.3) and putative disease resistance-like protein (OSK17.4) genes, complete cds; and MITE MERMIOTE18C, complete sequence
   38,652 bp linear DNA
   Accession: EU55083.1 GI: 161376415
   GenBank FASTA Graphics Related Sequences

4. Oryza sativa Indica Group cultivar Taipei 309 betaine aldehyde dehydrogenase (BADH1) gene, partial sequence
   4,224 bp linear DNA
   Accession: EU568689.1 GI: 194390138
   GenBank FASTA Graphics Related Sequences

5. Oryza sativa Indica Group cultivar Puja 1121 betaine aldehyde dehydrogenase (BADH1) gene, partial sequence
   4,229 bp linear DNA
   Accession: EU568671.1 GI: 194390136
   GenBank FASTA Graphics Related Sequences

6. Oryza sativa Indica Group cultivar Pokkali betaine aldehyde dehydrogenase (BADH1) gene, partial sequence
   4,220 bp linear DNA
   Accession: EU568651.1 GI: 194390134
   GenBank FASTA Graphics Related Sequences

7. Oryza sativa Indica Group cultivar Java betaine aldehyde dehydrogenase (BADH1) gene, partial sequence
   4,219 bp linear DNA
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   GenBank FASTA Graphics Related Sequences

8. Oryza sativa Indica Group cultivar Java betaine aldehyde dehydrogenase (BADH1) gene, partial sequence
   4,218 bp linear DNA
   Accession: EU568669.1 GI: 194390134
   GenBank FASTA Graphics Related Sequences

9. Oryza sativa Indica Group cultivar Java betaine aldehyde dehydrogenase (BADH1) gene, partial sequence
   4,217 bp linear DNA
   Accession: EU568668.1 GI: 194390133
   GenBank FASTA Graphics Related Sequences

10. Oryza sativa Indica Group cultivar Java betaine aldehyde dehydrogenase (BADH1) gene, partial sequence
    4,216 bp linear DNA
    Accession: EU568667.1 GI: 194390132
    GenBank FASTA Graphics Related Sequences

11. Oryza sativa Indica Group cultivar Java betaine aldehyde dehydrogenase (BADH1) gene, partial sequence
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Other entries include:
- *Oryza* sativa Japonica Group cDNA, clone: os31133a01, 5' insert sequence
- *Oryza* sativa indica (cultivar-group) BAC2 (BAC4) mRNA, complete cds
- *Sorghum bicolor* clone BAC1H5 betaine aldehyde dehydrogenase mRNA, complete cds
- *Sorghum bicolor* hypothetical protein mRNA
- *PREDICTED: Brachypodium distachyon* betaine aldehyde dehydrogenase-like (LOC100828052), mRNA
- *Zea mays* full-length cDNA clone BFO0001G0 mRNA, complete cds
- *Zea mays* full-length cDNA clone BFO0001G0 mRNA, complete cds
- *Zea mays* full-length cDNA clone BFO0001G0 mRNA, complete cds
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- *Zea mays* full-length cDNA clone BFO0001G0 mRNA, complete cds
- *Zea mays* full-length cDNA clone BFO0001G0 mRNA, complete cds
- *Lamium amplexicaule* BAC1H5 mRNA for betaine aldehyde dehydrogenase, complete cds
- *Aprogon cristatum* betaine aldehyde dehydrogenase mRNA, complete cds
- *Lamium amplexicaule* LbBAC1H5 mRNA for betaine aldehyde dehydrogenase, partial cds
- *Hordeum vulgare ssp. vulgare* mRNA for predicted protein, complete cds, clone: NAB40313D21
- *Hordeum brevisubulatum* betaine aldehyde dehydrogenase (BAC1H5) mRNA, complete cds
- *Hordeum vulgare* mRNA for betaine aldehyde dehydrogenase, complete cds
- *Hordeum vulgare* mRNA for betaine aldehyde dehydrogenase, complete cds
- *Zea mays* mRNA for betaine aldehyde dehydrogenase, complete cds, clone: BAC-B1
- *Zea mays* mRNA for betaine aldehyde dehydrogenase, complete cds, clone: BAC-T1
- *Zea mays* mRNA for betaine aldehyde dehydrogenase, complete cds, clone: BAC-10
- *Zea mays* mRNA for betaine aldehyde dehydrogenase, complete cds, clone: BAC-8
**Hordeum vulgare mRNA for betaine aldehyde dehydrogenase, complete cds**

**GenBank:** D26448.1

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<td>Submitted (10-JAN-1994) Tatsuko Takabe, Nagoya University, Department of Bioscience Center, Parousho, Nagoya, Aichi 464-01, Japan (Tel:81-52-781-5111 (ext.6344), Fax:81-52-782-3309)</td>
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**FEATURES**

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    - betaine aldehyde dehydrogenase
    - protein isoform 1

**Articles about the LOC548296 gene**

- Expression of the betaine aldehyde dehydrogenase gene in barley [Plant Mol Biol. 1995]

**More about the gene LOC548296**

- LOC548296
- Related information
  - Related Sequences
  - BioSystems
  - Gene
  - Map Viewer
  - Protein
  - Published
  - Published (Weighted)
  - Taxonomy
  - UniGene