

- 1 / 14 -  
SEQUENCE LISTING

<110> Myriant Corporation  
Dole, Sudhanshu  
Yocum, R. Rogers  
Hermann, Theron  
Yu, Xiaohui

<120> Method of producing succinic acid and other chemicals using  
sucrose-containing feedstock

<130> MT2011-05PCT

<150> US 61/459,446  
<151> 2010-12-13

<160> 15

<170> PatentIn version 3.5

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<220> Feature: cat-sacB cassette for integration at teh thrV locus
<400> Sequence
<221> misc_feature
<222> (5979)..(5979)
<223> n is a, c, g, or t

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| agtctgaatg     | acctgtcacg | ggataatccg | aagtggtcag | actggaaaat | cagagggcag | 120 |
| gaactgctga     | acagcaaaaa | gtcagatagc | accacatagc | agacccgcca | taaaacgccc | 180 |
| tgagaagccc     | gtgacgggct | tttcttgtat | tatgggtagt | ttccttgcat | gaatccataa | 240 |
| aaggcgctg      | tagtgccatt | tacccccatt | cactgccaga | gccgtgagcg | cagcgaactg | 300 |
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| aaaaaataca | gagaatgaaa | agaaacagat | agatttttta | gttcttttag  | cccgtagtct | 6180 |
| gcaaatcctt | ttatgatttt | ctatcaaaca | aaagaggaaa | atagaccagt  | tgcaatccaa | 6240 |
| acgagagtct | aatagaatga | ggtcgaaaag | taaatcgcg  | gggtttgtta  | ctgataaagc | 6300 |
| aggcaagacc | taaaatgtgt | aaagggcaaa | gtgtatactt | tggcgtcacc  | ccttacatat | 6360 |
| tttaggtctt | tttttattgt | gcgtaactaa | cttgccatct | tcaaacagga  | gggctggaag | 6420 |
| aagcagaccg | ctaacacagt | acataaaaaa | ggagacatga | acgatgaaca  | tcaaaaagtt | 6480 |
| tgcaaaaaca | gcaacagtat | taacctttac | taccgcactg | ctggcaggag  | gcgcaactca | 6540 |
| agcgtttgcg | aaagaaacga | acaaaaagcc | atataaggaa | acatacggca  | tttcccatat | 6600 |

|            |             |             |            |            |             |      |
|------------|-------------|-------------|------------|------------|-------------|------|
| tacacgccat | gatatgctgc  | aaatccctga  | acagcaaaaa | aatgaaaaat | atcaagttcc  | 6660 |
| tgaattcgat | tcgtccacaa  | ttaaaaatat  | ctcttctgca | aaaggcctgg | acgtttggga  | 6720 |
| cagctggcca | ttacaaaacg  | ctgacggcac  | tgctgcaaac | tatcacggct | accacatcgt  | 6780 |
| ctttgcatta | gccggagatc  | ctaaaaatgc  | ggatgacaca | tcgatttaca | tgttctatca  | 6840 |
| aaaagtcggc | gaaacttcta  | ttgacagctg  | gaaaaacgct | ggccgcgtct | ttaaagacag  | 6900 |
| cgacaaattc | gatgcaaattg | attctatcct  | aaaagaccaa | acacaagaat | ggtcaggttc  | 6960 |
| agccacattt | acatctgacg  | gaaaaatccg  | tttattctac | actgatttct | ccggtaaaca  | 7020 |
| ttacggcaaa | caaacactga  | caactgcaca  | agttaacgta | tcagcatcag | acagctcttt  | 7080 |
| gaacatcaac | ggtgtagagg  | attataaatc  | aatctttgac | ggtgacggaa | aaacgtatca  | 7140 |
| aaatgtacag | cagttcatcg  | atgaaggcaa  | ctacagctca | ggcgacaacc | atacgctgag  | 7200 |
| agatcctcac | tacgtagaag  | ataaaggcca  | caaatactta | gtatttgaag | caaacactgg  | 7260 |
| aactgaagat | ggctaccaag  | gcgaagaatc  | tttatttaac | aaagcatact | atggcaaaag  | 7320 |
| cacatcattc | ttccgtcaag  | aaagtcaaaa  | acttctgcaa | agcgataaaa | aacgcacggc  | 7380 |
| tgagttagca | aacggcgctc  | tcggtatgat  | tgagctaaac | gatgattaca | cactgaaaaa  | 7440 |
| agtgatgaaa | ccgctgattg  | catctaacac  | agtaacagat | gaaattgaac | gcgcgaacgt  | 7500 |
| ctttaaaatg | aacggcaaat  | ggtacctgtt  | cactgactcc | cgcggatcaa | aaatgacgat  | 7560 |
| tgacggcatt | acgtctaacg  | atattttacat | gcttggttat | gtttctaatt | ctttaactgg  | 7620 |
| cccatacaag | ccgctgaaca  | aaactggcct  | tgtgttaaaa | atggatcttg | atcctaacga  | 7680 |
| tgtaaccttt | acttactcac  | acttcgctgt  | acctcaagcg | aaaggaaaca | atgtcgtgat  | 7740 |
| tacaagctat | atgacaaaca  | gaggattcta  | cgcagacaaa | caatcaacgt | ttgcgccgag  | 7800 |
| cttcctgctg | aacatcaaag  | gcaagaaaac  | atctgttgct | aaagacagca | tccttgaaca  | 7860 |
| aggacaatta | acagttaaca  | aataaaaacg  | caaaagaaaa | tgccaatatc | ctattggcat  | 7920 |
| tttcttttat | ttcttccatt  | taaatggatg  | catgcgctag | cggagtgtat | actggcttac  | 7980 |
| tatgttggca | ctgatgaggg  | tgtcagtga   | gtgcttcatg | tggcaggaga | aaaaaggctg  | 8040 |
| caccggtgcg | tcagcagaat  | atgtgataca  | ggatatattc | cgcttcctcg | ctcactgact  | 8100 |
| gctgagctcc | cggcggtatt  | gtcctactcg  | ggagagtgtt | caccgacaaa | caacagataa  | 8160 |
| aacaaaaggc | ccagtcttcc  | gactgagcct  | tttgttttat | ttgatgtctg | gcagttccct  | 8220 |
| actctcgcat | ggggagacct  | cacactacca  | tcggcgctac | ggcggtttca | cttctgagtt  | 8280 |
| cggcatgggg | tcaggtggga  | ccaccgcgct  | actgccgcca | gacaaattct | tttctaattct | 8340 |
| gccgaacttt | aacctaaaaa  | gtggtgctga  | taccagaggt | cgaactgggg | acctcacctt  | 8400 |
| taccaagggg | gcgctctacc  | aactgagcca  | tatcagcacg | ctaaatttga | tgcttggcag  | 8460 |
| ttccctactc | tcgcatgggg  | agacccca    | ctaccatcgg | cgctacggcg | tttcacttct  | 8520 |
| gagttcggca | tggggtcagg  | tgggaccacc  | gcgctacggc | cgccaggcaa | attctgtttt  | 8580 |
| atcagaccgc | ttctgcgttc  | tgatttaatc  | tgtatcaggc | tgaaaatctt | ctctcatccg  | 8640 |

|            |            |            |            |            |            |      |
|------------|------------|------------|------------|------------|------------|------|
| gataacaatt | tcacacagga | aacagctatg | accatgatta | cgccaagctg | taccgagctc | 8700 |
| gaattcactg | gccgtcgttt | tacaacgtcg | tgactgggaa | aaccctggcg | ttaccaact  | 8760 |
| taatcgccct | gcagcacatc | cccctttcgc | cagctggcgt | aatagcgaag | aggcccgcac | 8820 |
| cgatcgccct | tccaacagt  | tgcgcagcct | gaatggcgaa | tggcgctga  | tgcggtatct | 8880 |
| tctccttacg | catctgtgcg | gtatttcaca | ccgcatatgg | tgactctca  | gtacaatctg | 8940 |
| ctctgatgcc | gcatagttaa | gccagccccg | acacccgcca | acacccgctg | acgaattc   | 8998 |