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SUPPLEMENTARY ONLINE DATA

Biochemical characterization of the initial steps of the Kennedy pathway in *Trypanosoma brucei*: the ethanolamine and choline kinases

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1 AAGCTATTATTAGAACAGTTTCTGTACTATATTgttctcactagcttaacgtcttgtaactttggaacttcctctttaggggatacatcgc91 92 cqtattqcATGGCATTACGACCGTTCCCGTTGGGGAACACACCGCTGCATGCCGTCATTCGGCGTTCTGCTCGAATTTGAATGTGTTGA182 183 GGCGGGAATTGCCTCGAATGCTGTTCGTTCACCTTCAACTGCATCATGGGTTTCTGCAGAGTCCCTTGATAGTATCATTTCACTGGCTAAC 273 274 CGCACATCTGAAGAAATGGAGGTGGATCAACTCATTTATCGCCTCTGCCGTTCCCTTTACCATGTGGCCAAGAAAAAATCTGCACAGATCC364 456 CAACATGCGCGGCCGTGAGGACTGGTGCCCGTTGTTGCACCTCTTTGATCCAAGGAGTTATTATAAGGTGATGGGGCAACCGAGTCAACAC 546 547 GACGGGTGCAAACTTTGTGGTGATGTGGTGGGTACAGAGAGCAGTCCTGAAGGTGTTTCGCAGTGGCTGATGAGCGAATTGAGCGTAACGC 637 638 GACTTACGGGTGGCAACAGCAACCACGTGTATCGGCTGGGCCACGCTTCTTTTCCCAAGAAAGCTGTTCTCTGCGCGTGTATGGTGATGGT28 729 TGGTGGGGTGACGTGATTGACCGGGCCCGGGATATTAAAGTGATGCGACTTATGAGCAAGTCAGAGATGGGTCCAGGCTTATTGCATACT819 820 TTCCACTGGGGCCGCGTTGAGGAATTTATGGATGGTGTTGACGTGCACGACGGAGAAGCTCCTTACTTCTCCATCCCTACTTGCTGATG910 911 TGTATGGAGGTTTAAGTAAGATGCATCAGTTGGATTACACGCCGCTTCTGCCAGAAAACATGAGGACAAAGGGGATGTCTAACGGGCATAA1001 1002 TTCATCTCAGAGTGTGAGCGACACGGTTTCTAAATCAGGTGGTGGACAGGAGGGACCTGACGGCACAGTGGGGGGGCGTGAATGAGCTGGAA1092 1093 AGCACTTGTCATACCTCTTTCGAGCGTGTATGTCTCCGGTTGCTTAGGTTAGTGTCCTTGAATGTGGTGGAGGAGCACCGTCACTCGCTTG1183 1184 AGAGCTGGTTAGCTGGTGAGGTCATGTTCGTGCGAAGGGAACTGCAATATCGTGGGATACCGGTGGTGTTGTCACACACGATCTAAACCC1274 1275 TGGAAACATTCTTCTTTCCGATGGAGCAGGAGAGGCCAGCGGTACCGTCTTCAGTGACGAGGAGCTGAGAGTGGAGAACACACCGTTGTCA1365 1366 AAGCGTTATGTGACCCGAAAAGGCAAAAACATGAACCTTGTGGAGCGCCGTGGTTTCCTTTTTATTGAGTTTTGAGTACGCGGATGCCAACT1456 1457 ACCGCTGCTTCGACCTTGGGAACACGCTTTGCGAGCTGGACTACGACTATACCCGTGGAACAGAAGCGGGAGGCCGGGGATTCATCAAATA1547 1548 TCTTTTTGTATTTCCCCCGCCCGCAATGGAGGAGGCATGGCGTGGGCTCGGGGAGGAGTACCCCCGCCTGCCGGAGCTCATTTATGATGCC1638 1639 TGGCGTCGTGGCGTGAGTGATGGATCGTCGGATATCGGCTCTGTGGCTTTGCTCGCCGTGAGACGTTACTTCGCAGAGCGGGACAATGTGC1729 1730 CACTIGAAACTGTGGAACTCAGTGAAGCTCAGGTTGGGGAGGTGCTGCTTGGTATGCTCGCCTCGCATCTCTATTGGACAATCTGGTCGAT1820 1821 GACAATGGGATCTGCACCGGATAATTGCGTTGAATGCGAGGACTGCGATGATCAGATGTTTGCTGTAGGCGGAAGTGGGCTTGATTACATG1911 1986

Figure S1 Sequence of cDNA of TbC/EK2

Highlighted are the mini-exon sequence (grey box), the stuffer sequence (lower case) and the *TbC/EK2* sequence (upper case). Double-underlined is the sequence of the internal reverse primer used to generate *TbC/EK2* cDNA; the sequence downstream of this point is inferred from the genomic sequence.

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The nucleotide sequence data reported for choline/ethanolamine kinase and ethanolamine kinase of *Trypanosoma brucei* have been submitted to the DDBJ, EMBL, GenBank[®] and GSDB Nucleotide Sequence Databases under accession numbers AM939568 and AM939569 respectively.

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