

**B**

*Cyc* gene KCSQCHTVEKGGKHKTGPNLHGLFGRK TGQAP-G- YSYTAANKNKGIIWG  
 Pseudogene KCAQCHTMVKRGKYKSEPNLHGLFMQKTGQAT/G/YSLTDANENKGITXG

*Cyc* gene EDTLMEYLENPKKYIPGTKMIFVGIKK KEERADLIAYLKKA TNE  
 Pseudogene EETLMEYLQNPKKYIPGTKMTIVSTKKKAERADLIAYLRKANNQ

*Cyc*\_gene AAGTGTCCAGTGCCACACC GTTGA AAGGGAGGCAAGCACAAGACTGGGCCAATCTCCATGGTCTCT  
 Pseudogene AAGTGTGCCAATGCCACACC ATGGTAAAGCGAGGCAAGTACAAGAGTGAGGCCAATCTCCATGGTCTAT

*Cyc*\_gene TTGGCGGAGAGCAGGT CAGGCCCTGGAT ACTCTTACACAGCCGCCAATAGAACAAAGGCATCATCTG  
 Pseudogene TTATGCAAGAGACAGGT CAGGCCACTGAAT TCTCT--CACAGACGCCAATGAGAACAAAGGCATCACCTG

*Cyc*\_gene GGGAGAGGATACACTGATGGAGTATTTGGAGAAATCCAGAGGTACATCCCTGGAACAAAATGATCTTT  
 Pseudogene AGGAGAGGAGACACTGATGGAGTATTTGCAGAAATCCAGAGGTACATCCCTGGAACAAAATGACCATT

*Cyc*\_gene GTCGGCATTAGAAGAGGGAGAAAGGGCAGACTTAATAGCTTATCTCAAAAAGCTACTAATGAGTAA  
 Pseudogene GTCAGCAC TAGAAGAGGGCAGAAAGGGCAGACTTGATAGCTTATCTCAGAAAAGCTAATAATCAG