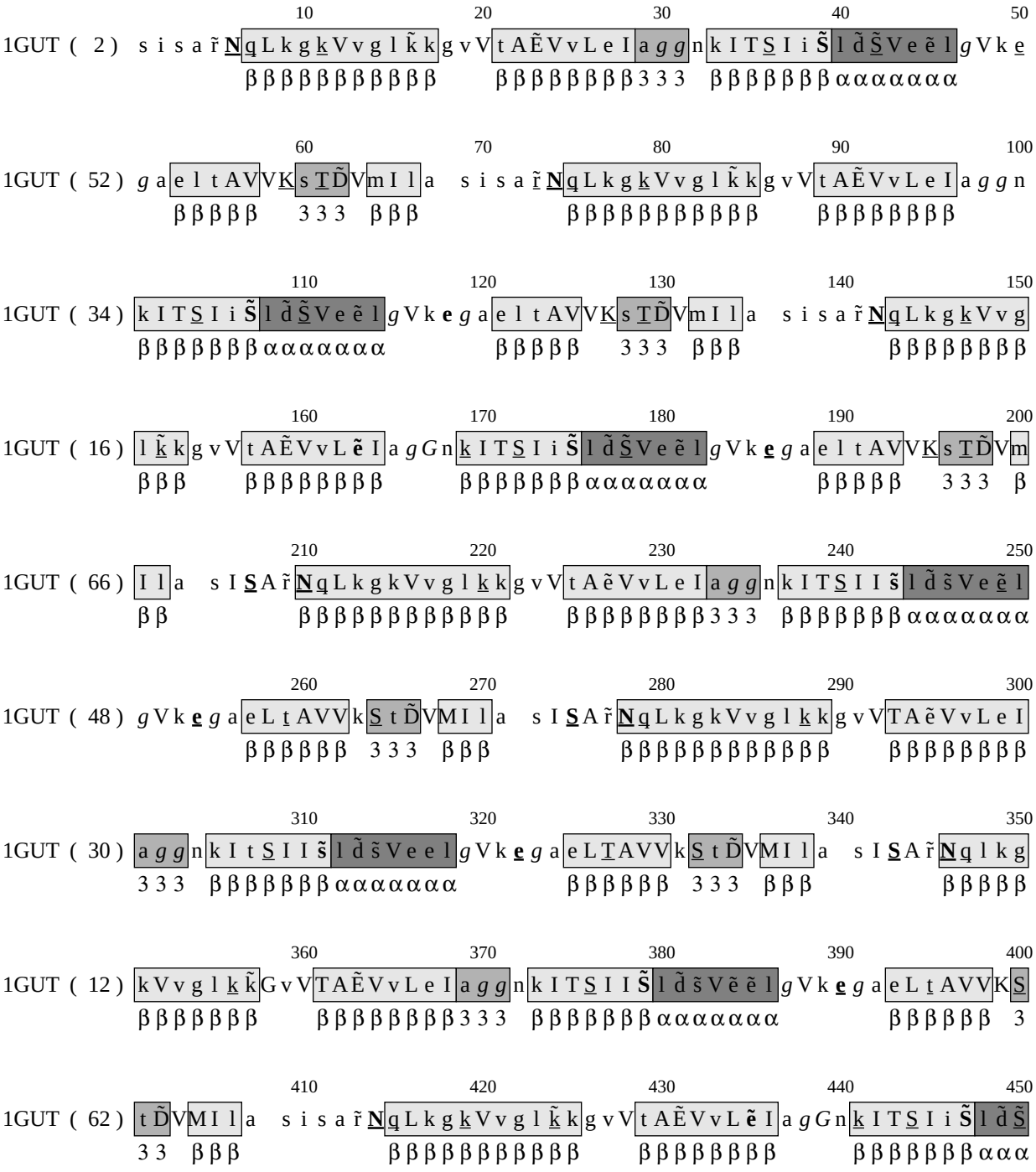
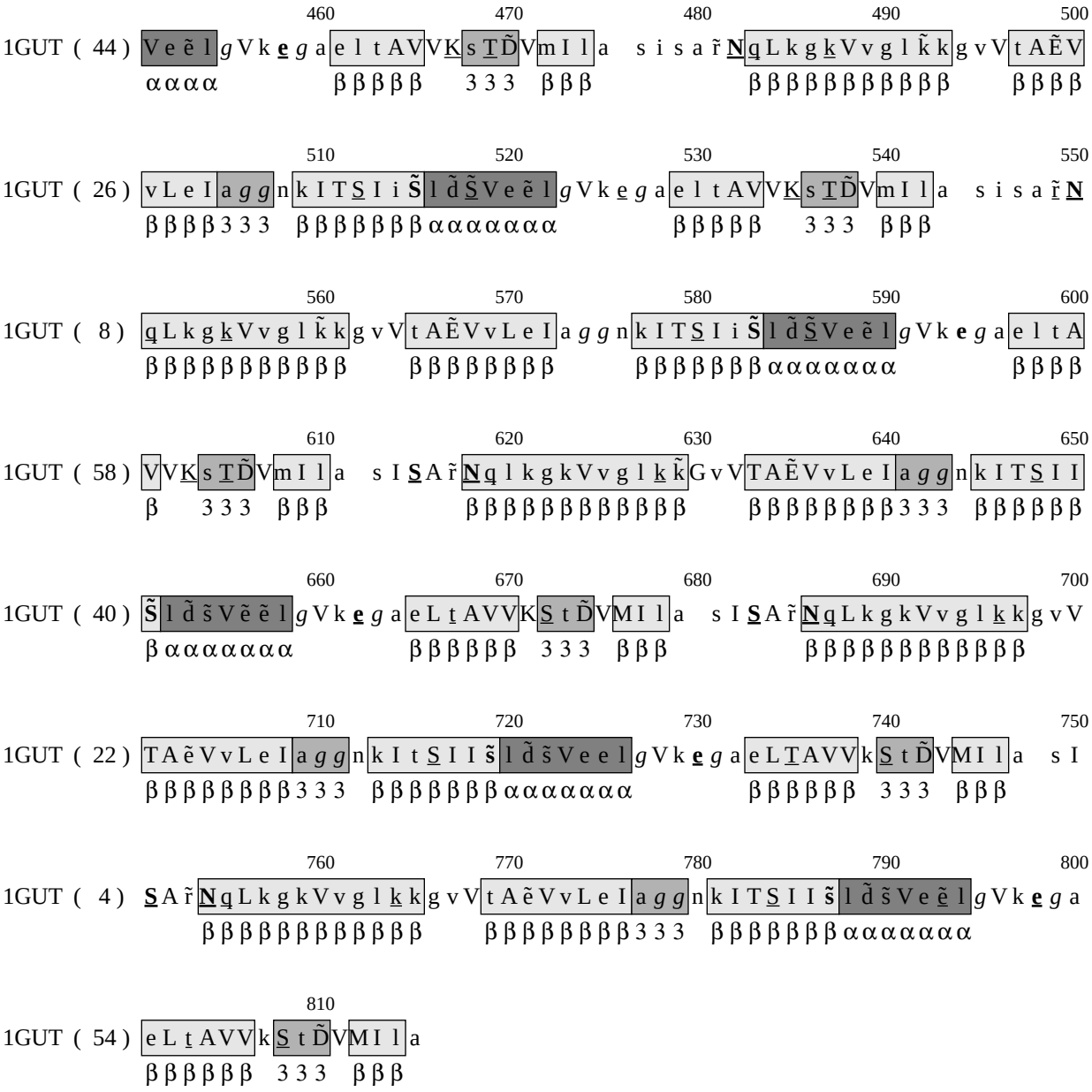

1GUT (2) s i s a ř N q L k g k V v g l k̃ k g v V t A Ẽ V v L e I a g g n k I T S I i S̃ l d̃ S̃ V e ẽ l g V k e
β β β β β β β β β β β β β β β 3 3 3 β β β β β β β α α α α α α α
1GUT (52) g a e l t A V V K s T D̃ V m I l a s i s a ř N q L k g k V v g l k̃ k g v V t A Ẽ V v L e I a g g n
β β β β β 3 3 3 β β β β β β β β β β β β β β β β β
1GUT (34) k I T S I i S̃ l d̃ S̃ V e ẽ l g V k e g a e l t A V V K s T D̃ V m I l a s i s a ř N q L k g k V v g
β β β β β β β α α α α α α α β β β β β 3 3 3 β β β β β β β β
1GUT (16) l k̃ k g v V t A Ẽ V v L ẽ I a g G n k I T S I i S̃ l d̃ S̃ V e ẽ l g V k e g a e l t A V V K s T D̃ V m
β β β β β β β β β β β β β α α α α α α α β β β β β 3 3 3 β
1GUT (66) I l a s I S A ř N q L k g k V v g l k k g v V t A ẽ V v L e I a g g n k I T S I I s̃ l d̃ s̃ V e ẽ l
β β β β β β β β β β β β β β β 3 3 3 β β β β β β β α α α α α α α
1GUT (48) g V k e g a e L t A V V k S t D̃ V M I l a s I S A ř N q L k g k V v g l k k g v V T A ẽ V v L e I
β β β β β β β 3 3 3 β β β β β β β β β β β β β β β β β
1GUT (30) a g g n k I t S I I s̃ l d̃ s̃ V e e l g V k e g a e L T A V V k S t D̃ V M I l a s I S A ř N q l k g
3 3 3 β β β β β β β α α α α α α α β β β β β 3 3 3 β β β β β β β β
1GUT (12) k V v g l k k̃ G v V T A Ẽ V v L e I a g g n k I T S I I S̃ l d̃ s̃ V ẽ ẽ l g V k e g a e L t A V V K S
β β β β β β β β β β β β β β β 3 3 3 β β β β β β β α α α α α α α β β β β β β 3
1GUT (62) t D̃ V M I l a s i s a ř N q L k g k V v g l k̃ k g v V t A Ẽ V v L ẽ I a g G n k I T S I i S̃ l d̃ S̃
3 3 β β β β β β β β β β β β β β β β β β β β β β β α α α



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                                  460                 470                 480                 490                 500
1GUT ( 44 ) V e ẽ l g V k e g a e l t A V V K s T D̃ V m I l a   s i s a r̃ N q L k g k V v g l k̃ k g v V t A Ẽ V
            α α α α             β β β β β     3 3 3   β β β                 β β β β β β β β β β β       β β β β

                                  510                 520                 530                 540                 550
1GUT ( 26 ) v L e I a g g n k I T S I i S̃ l d̃ S̃ V e ẽ l g V k e g a e l t A V V K s T D̃ V m I l a   s i s a r̃ N
            β β β β 3 3 3   β β β β β β β α α α α α α α                 β β β β β     3 3 3   β β β

                                  560                 570                 580                 590                 600
1GUT ( 8 ) q L k g k V v g l k̃ k g v V t A Ẽ V v L e I a g g n k I T S I i S̃ l d̃ S̃ V e ẽ l g V k e g a e l t A
            β β β β β β β β β β β       β β β β β β β β       β β β β β β β α α α α α α α       β β β β

                                  610                 620                 630                 640                 650
1GUT ( 58 ) V V K s T D̃ V m I l a   s I S A r̃ N q l k g k V v g l k k̃ G v V T A Ẽ V v L e I a g g n k I T S I I
            β     3 3 3   β β β                 β β β β β β β β β β β β       β β β β β β β β 3 3 3   β β β β β β

                                  660                 670                 680                 690                 700
1GUT ( 40 ) S̃ l d̃ s̃ V ẽ ẽ l g V k e g a e L t A V V K S t D̃ V M I l a   s I S A r̃ N q L k g k V v g l k k g v V
            β α α α α α α α             β β β β β β     3 3 3   β β β                 β β β β β β β β β β β β

                                  710                 720                 730                 740                 750
1GUT ( 22 ) T A ẽ V v L e I a g g n k I t S I I s̃ l d̃ s̃ V e e l g V k e g a e L T A V V k S t D̃ V M I l a   s I
            β β β β β β β β 3 3 3   β β β β β β β α α α α α α α                 β β β β β β     3 3 3   β β β

                                  760                 770                 780                 790                 800
1GUT ( 4 ) S A r̃ N q L k g k V v g l k k g v V t A ẽ V v L e I a g g n k I T S I I s̃ l d̃ s̃ V e ẽ l g V k e g a
                β β β β β β β β β β β β       β β β β β β β β 3 3 3   β β β β β β β α α α α α α α

                                  810
1GUT ( 54 ) e L t A V V k S t D̃ V M I l a
            β β β β β β     3 3 3   β β β
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