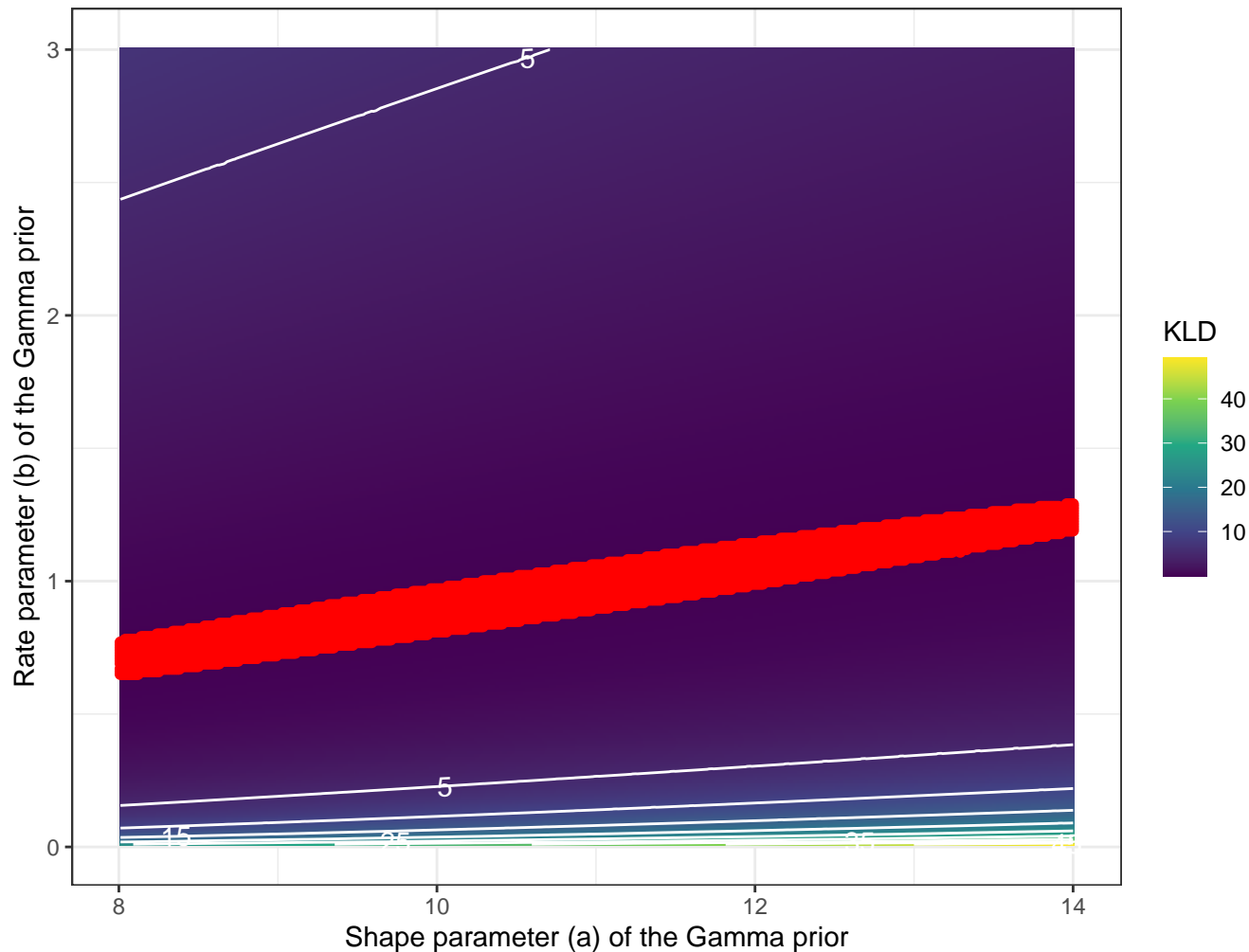


The Kullback–Leibler divergence measure ( $J = 150$ ,  $df = 30$ )

Assuming an informative prior on the number of clusters ( $K$ )



Solution:  $a = 9.26$ ,  $b = 0.82$ ,  $KLD = 0.016$