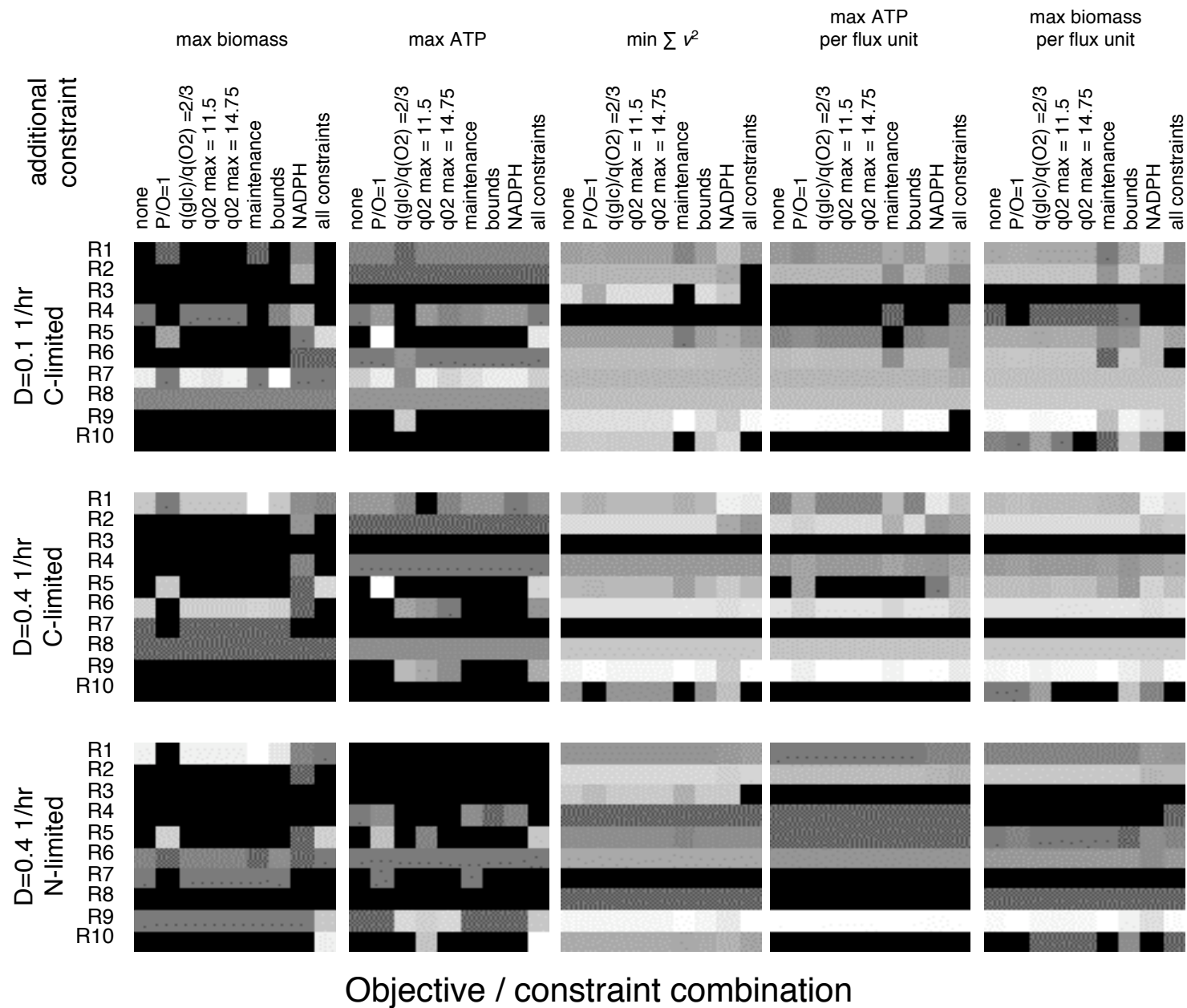


Computational split ratio



Supplementary Information Figure 6 Specific agreement q between computational and experimental split ratios for the five objective functions considered in Figure 3 and 5 and the three chemostat cultures. *In vivo* results are compared to computational predictions and the specific agreement indicating the individual accuracy is quantified. Increasing shading signifies increasing agreement, i.e. black is a perfect fit. Split ratios, experimental conditions and objective/constraint combinations are indicated on the x- and y-axis, respectively.