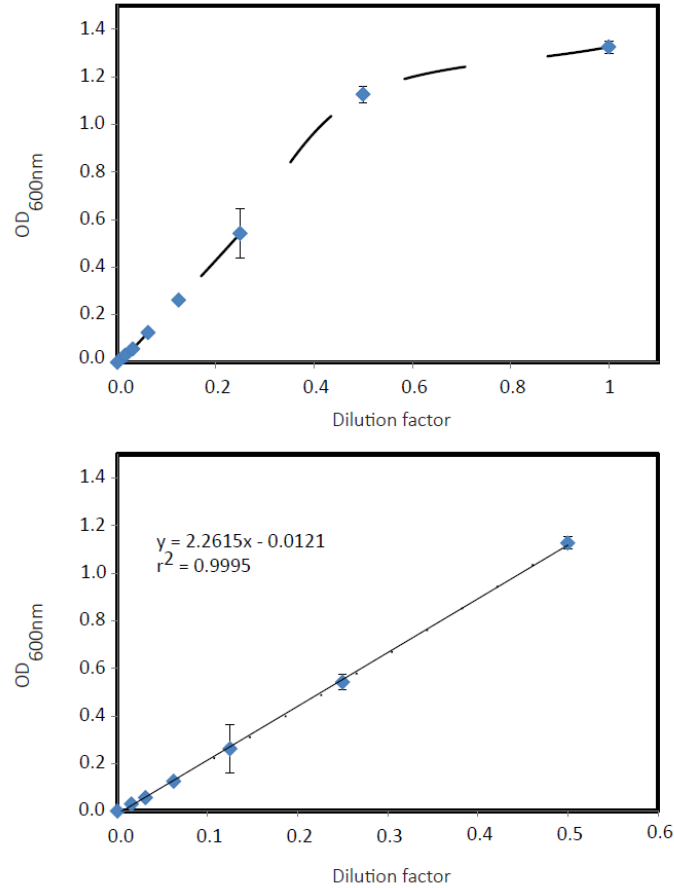


1 **Supplemental Data**

2

3 **Supplemental Figure 1**



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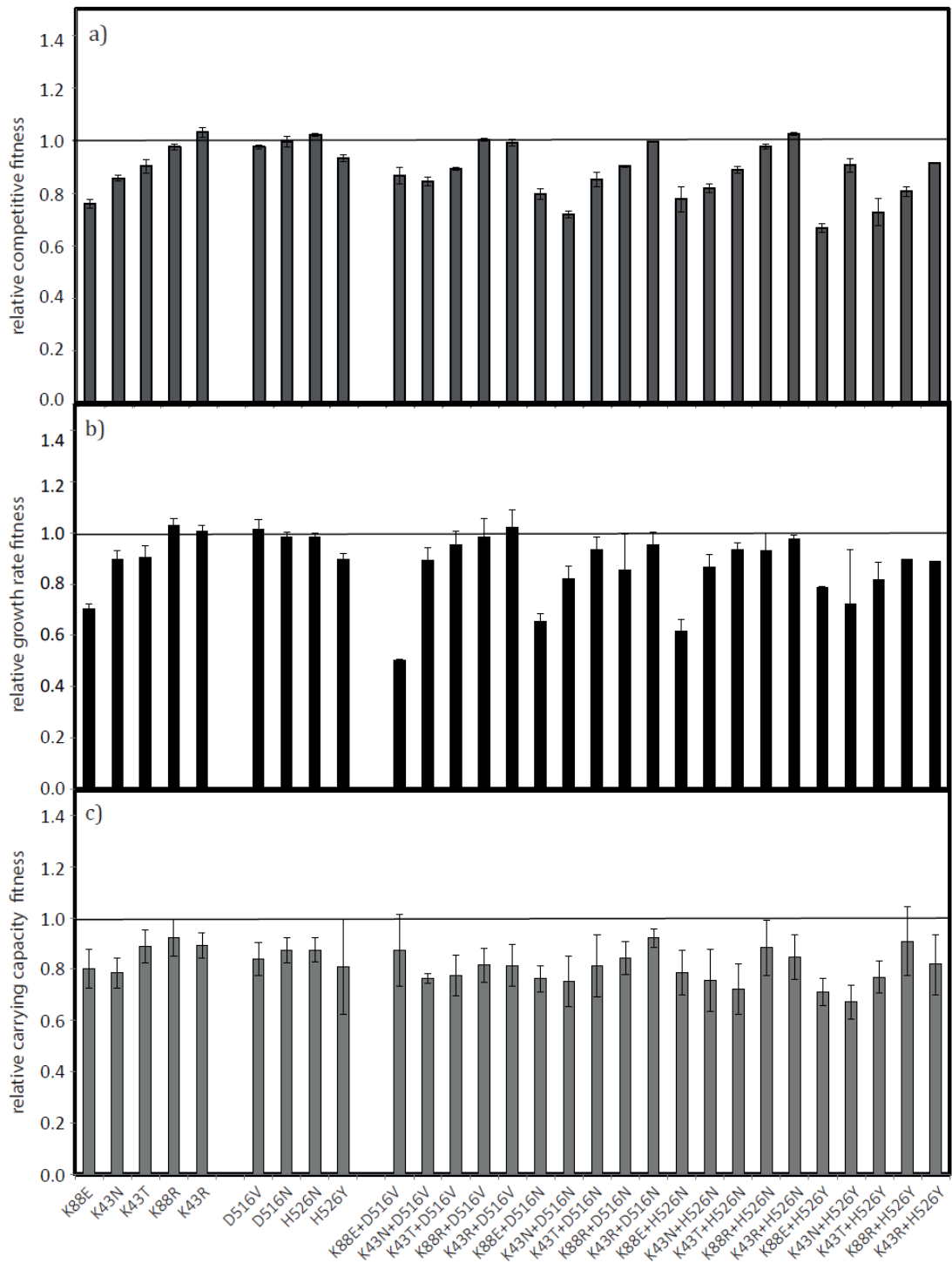
5 Figure S1 - Determination of the linear range of the Bioscreen. Using a 24h
6 growth overnight in LB we performed a series of 1:2 dilutions to determine the
7 linear range of the BioScreen. The correlation is lost when OD_{600nm} > 1 and thus,
8 dilutions were performed to determine the correct carrying capacity of the
9 strains in LB. In the growths performed in MM, the carrying capacity was always
10 below 1 and thus, dilutions were not necessary.

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14 Supplemental Figure 2

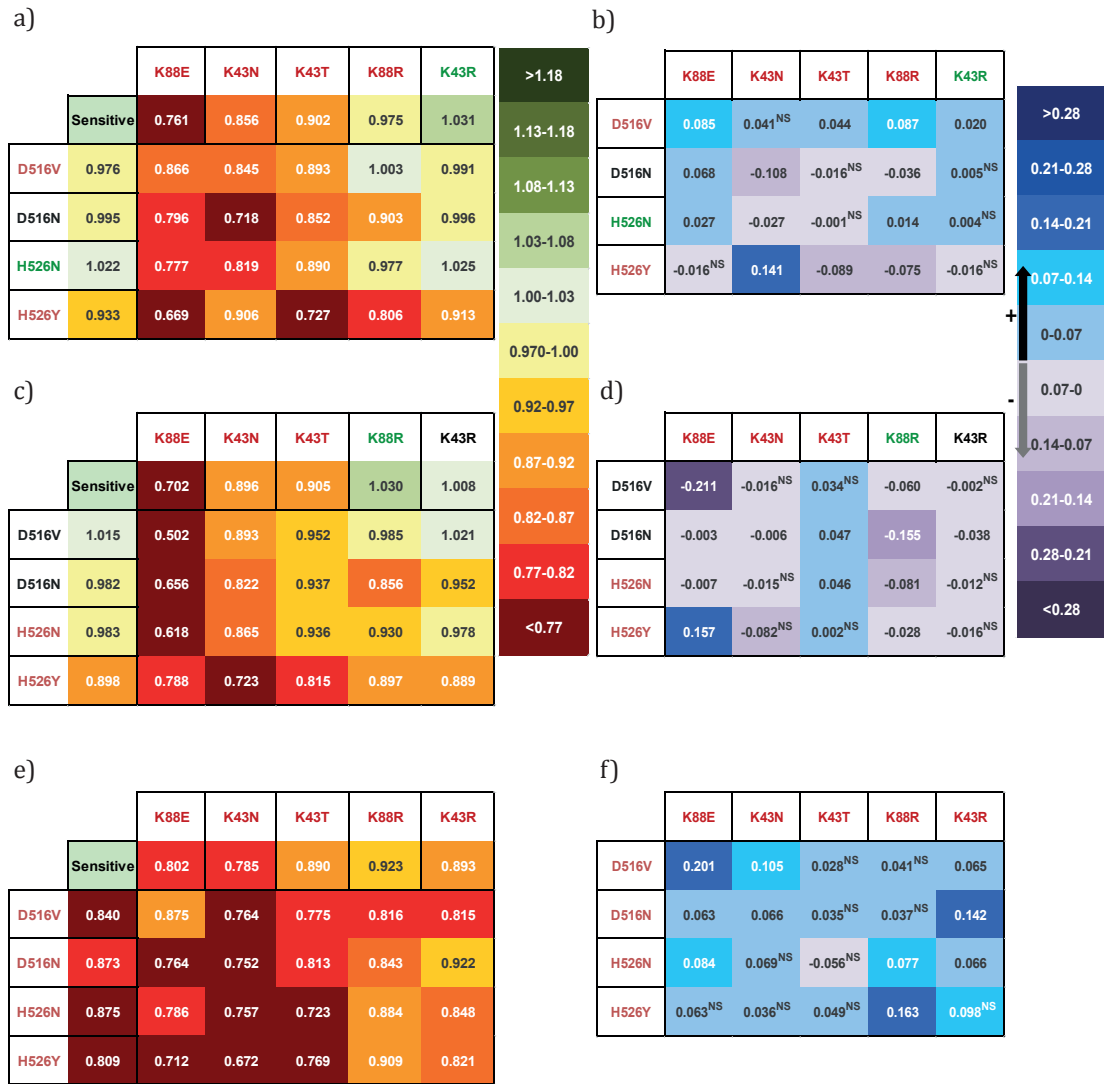


15

16 Fig S2 – Relative fitness of single and double mutants in LB as measured by (a)
17 competitive fitness assays, (b) growth rates and (c) carrying capacity.

18

Supplemental Figure 3



19

20 Fig S3 –Level of pairwise epistasis between Rif^R and Str^R alleles in LB for (a)
 21 competitive fitness, (b) maximum growth rate and (c) for carrying capacity.

22