

Figure 1

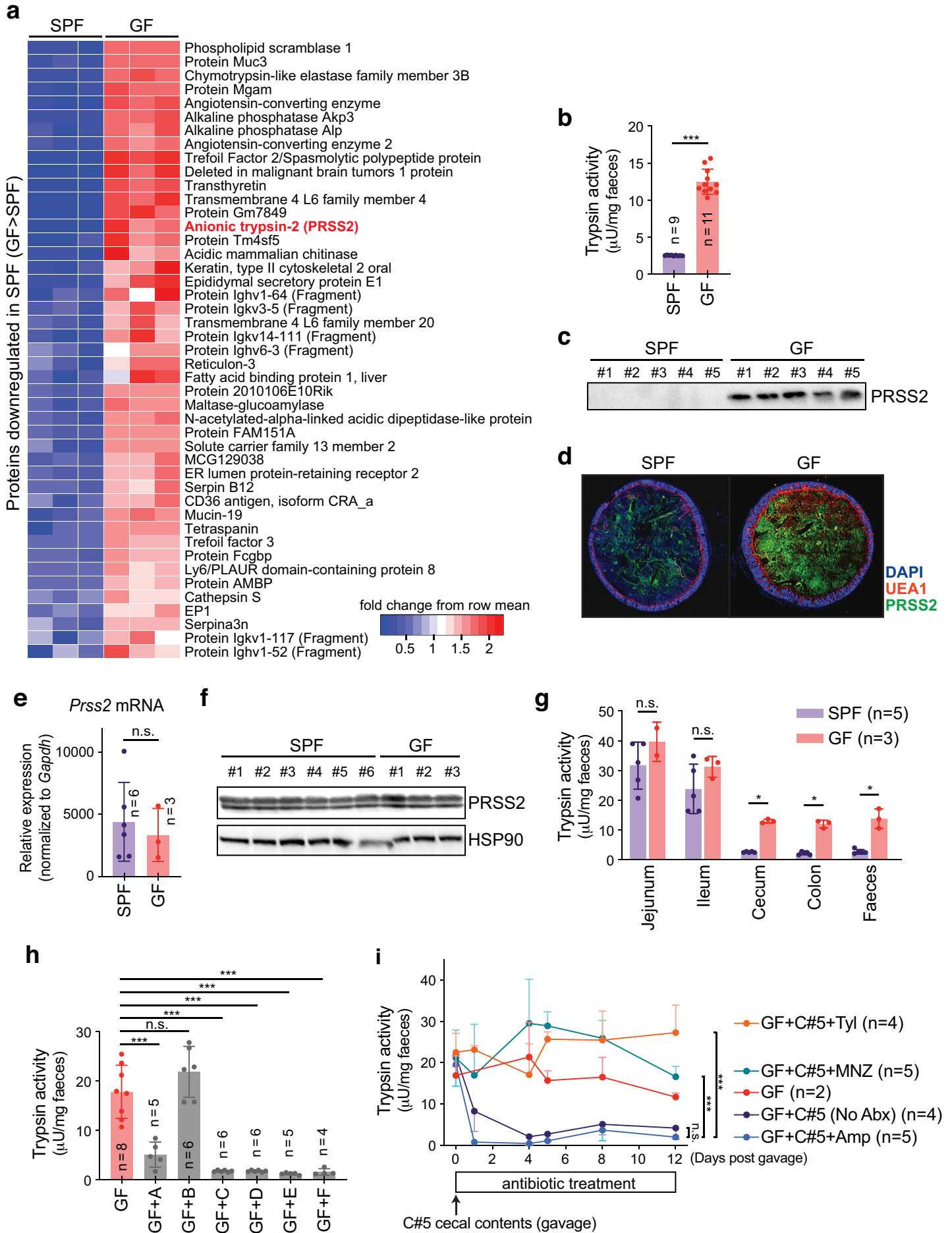


Figure 2

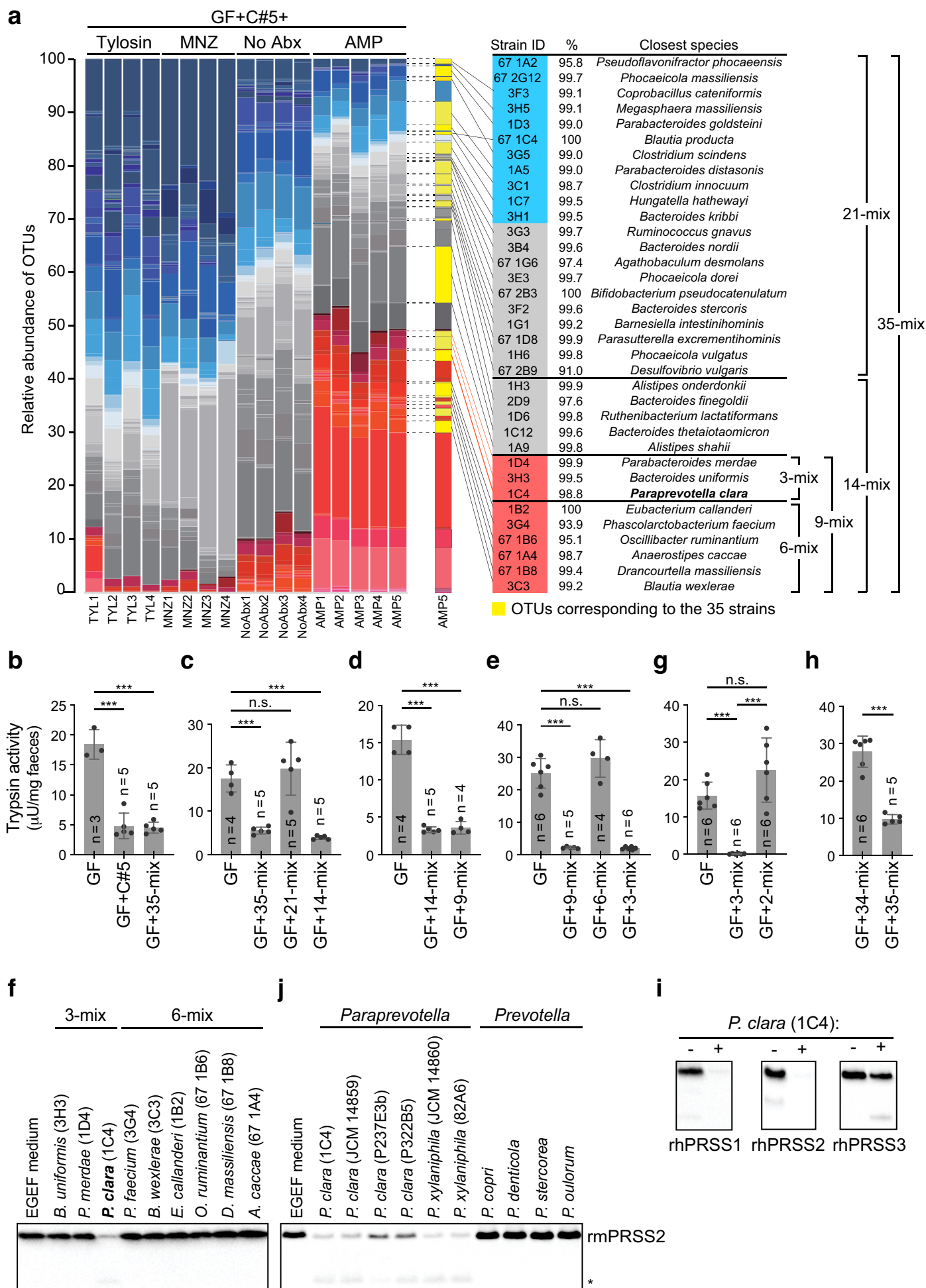


Figure 3

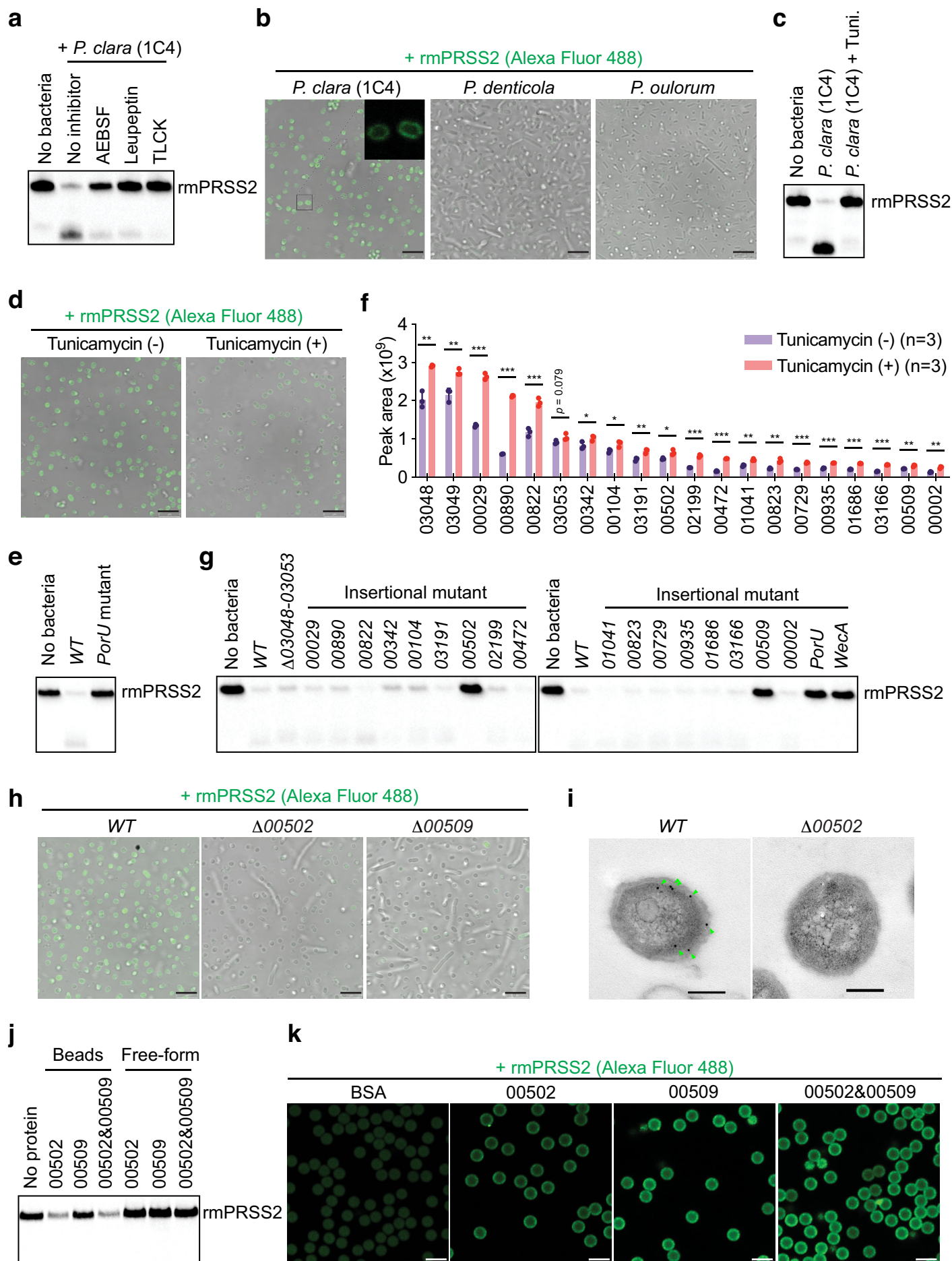


Figure 4

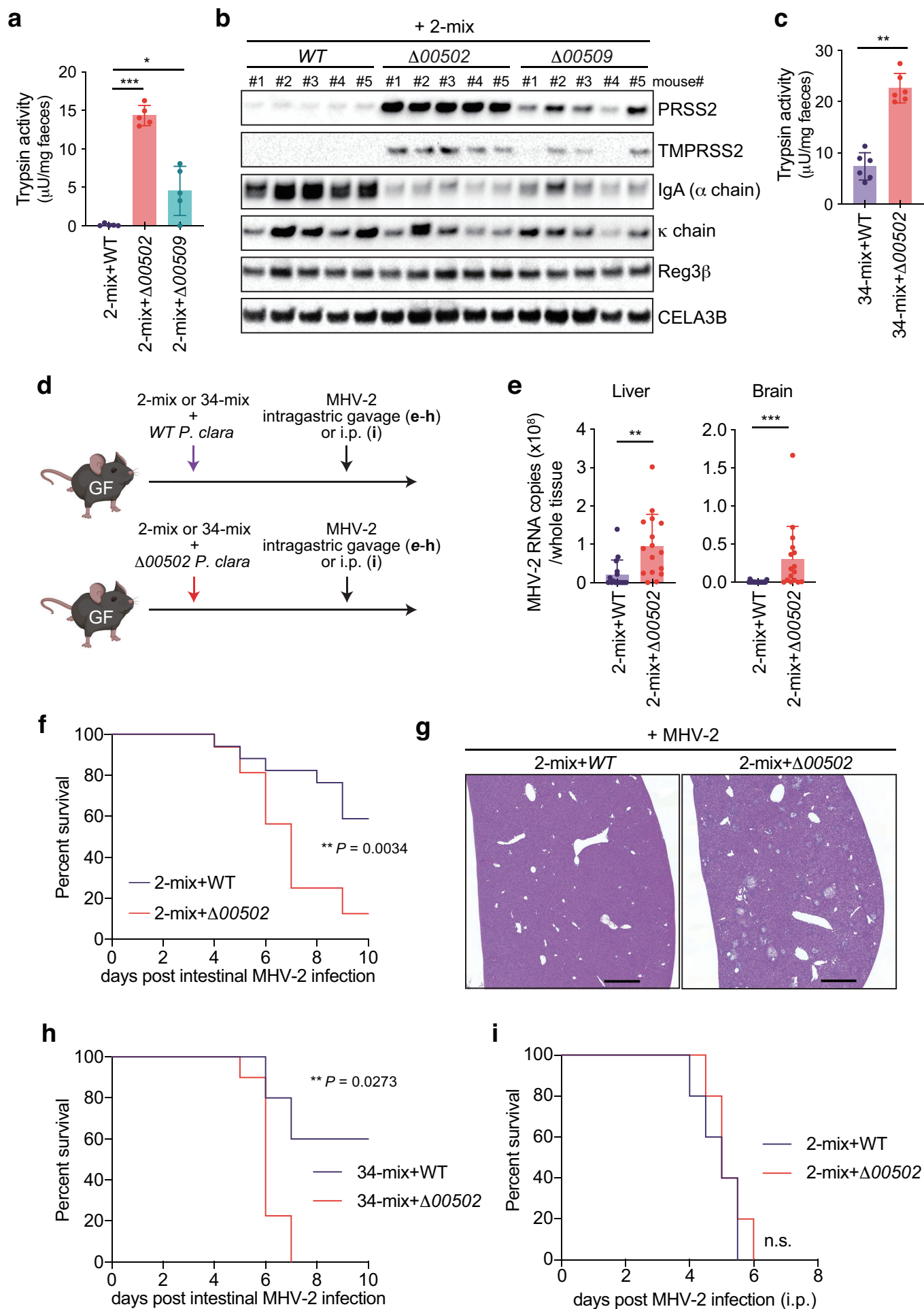
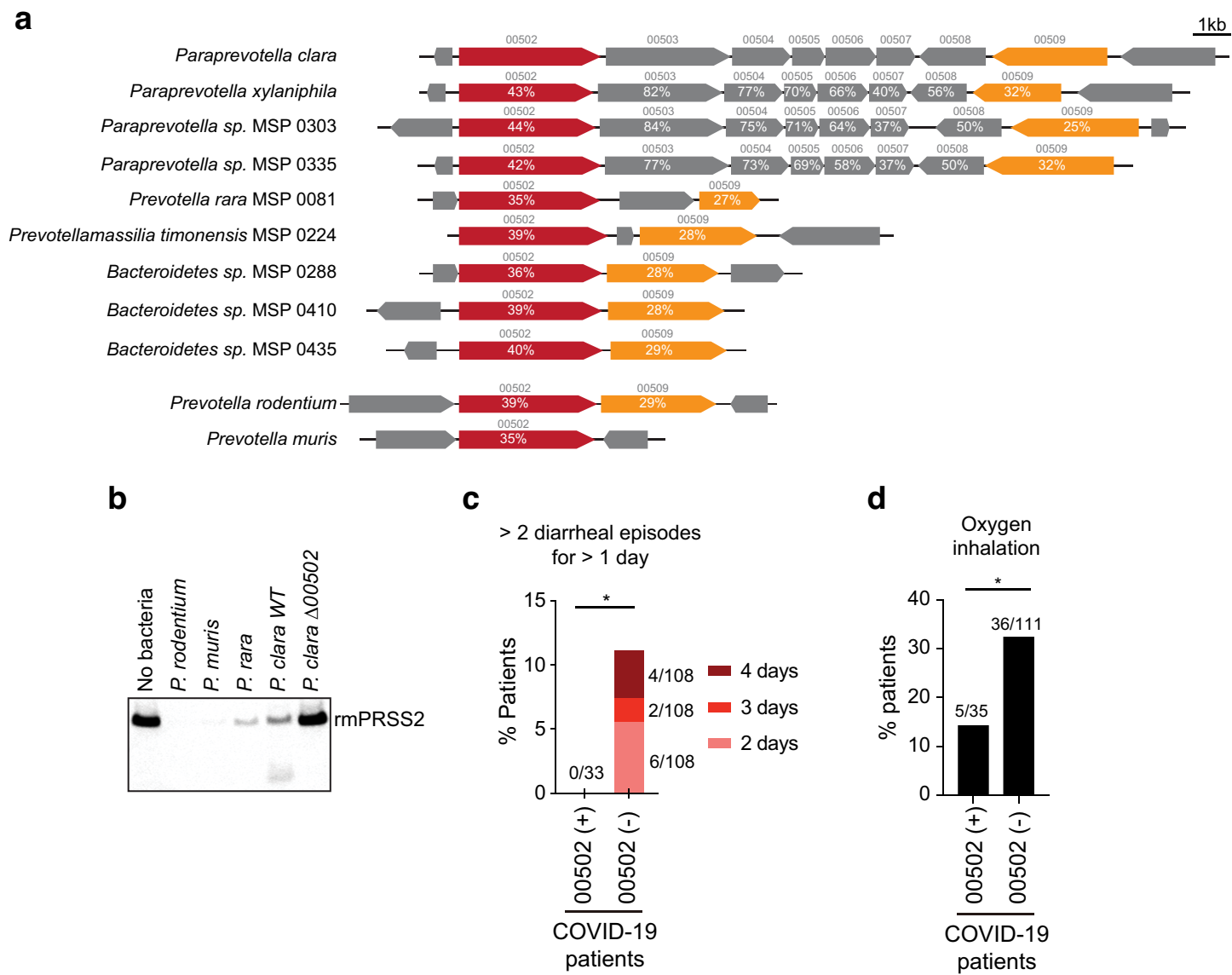
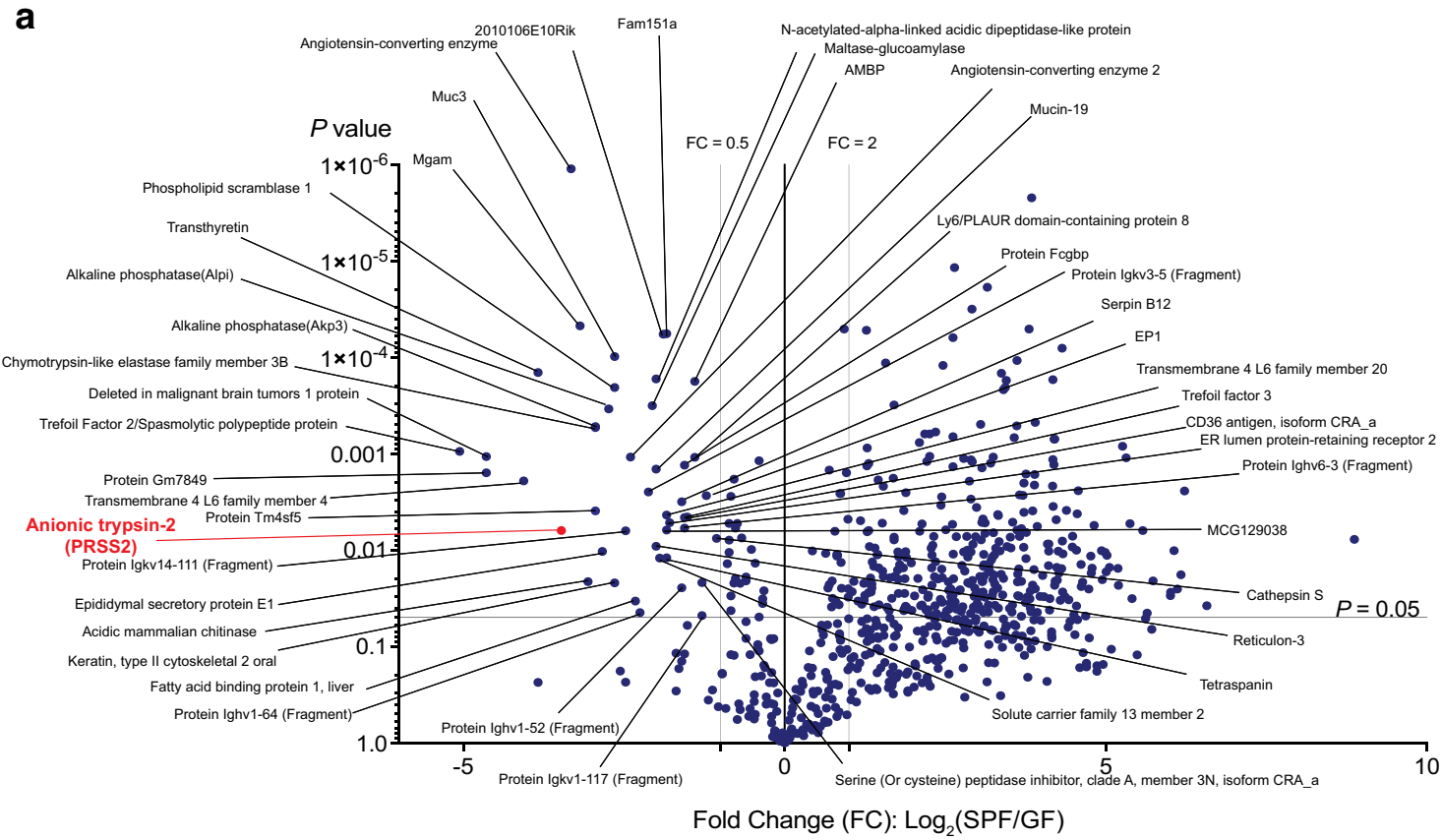


Figure 5

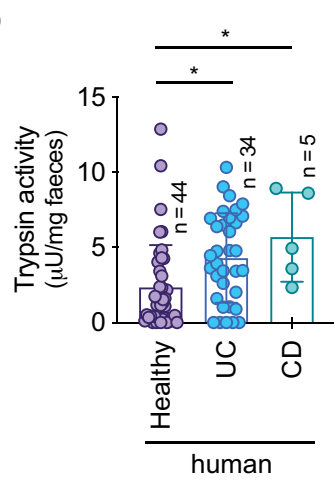


Extended Data Fig. 1

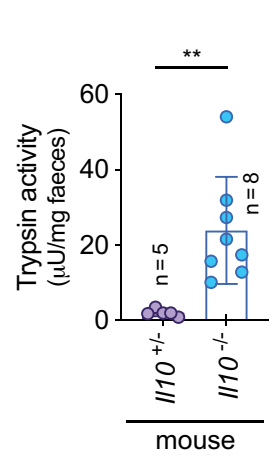
a



b

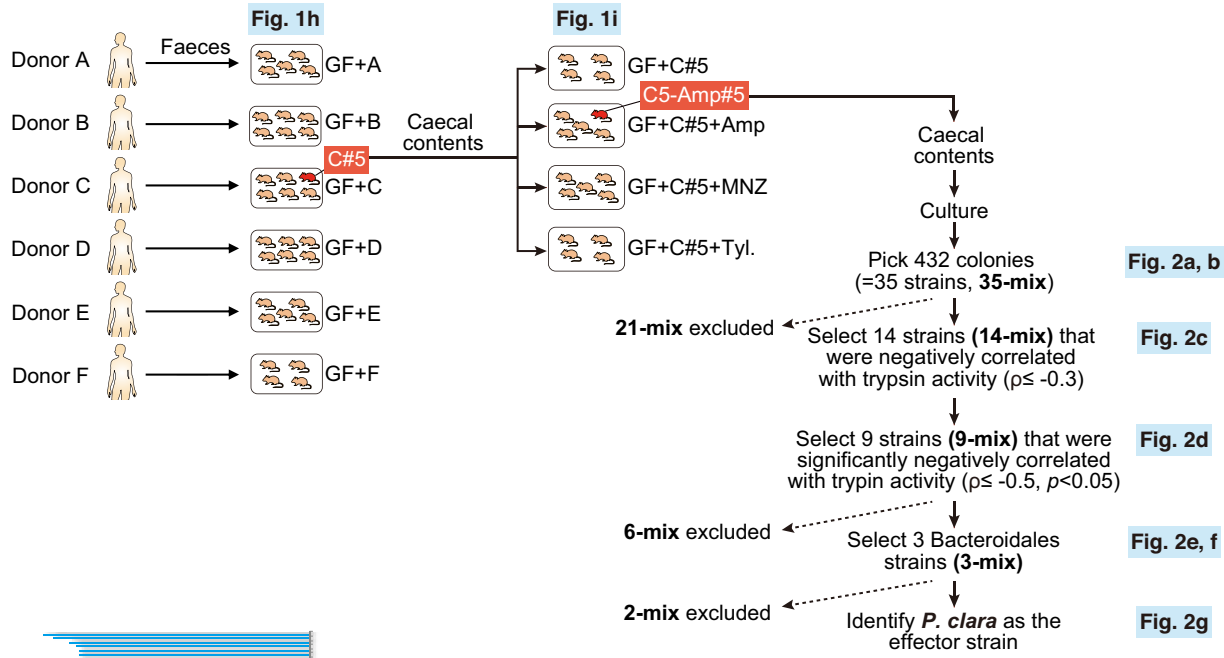


c

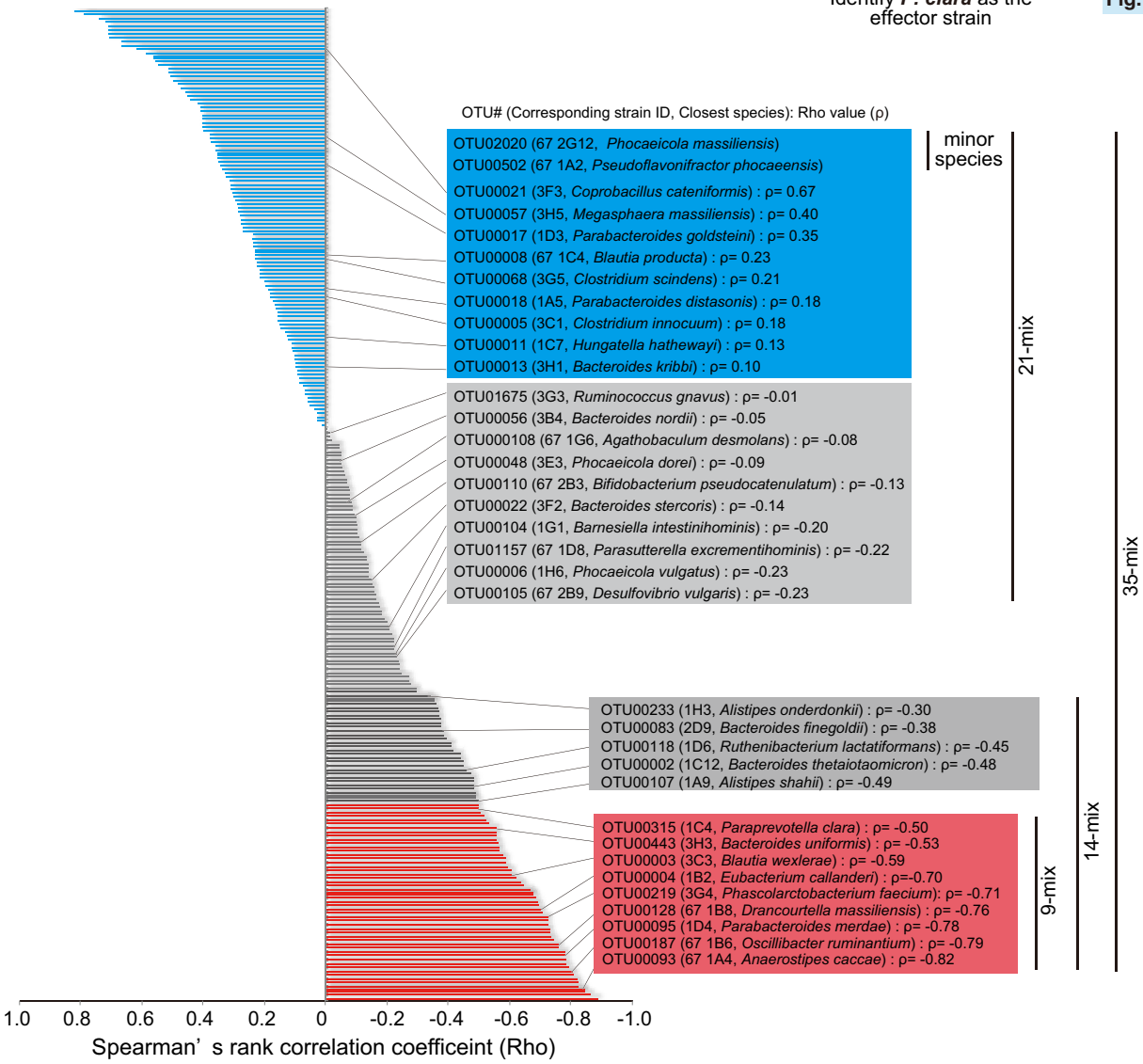


Extended Data Fig. 2

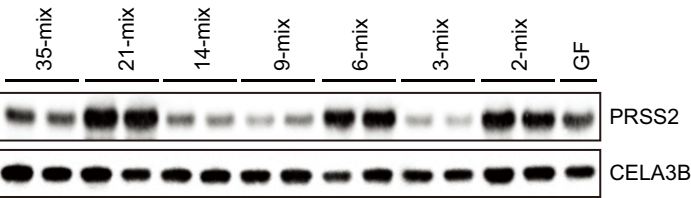
a



b



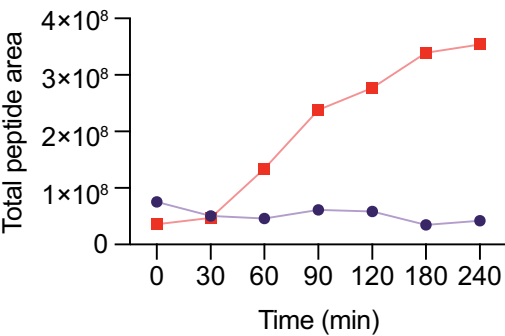
c



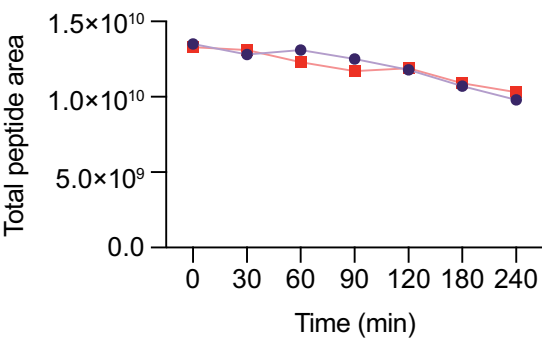
Extended Data Fig. 3

P. clara (-)
P. clara (+)

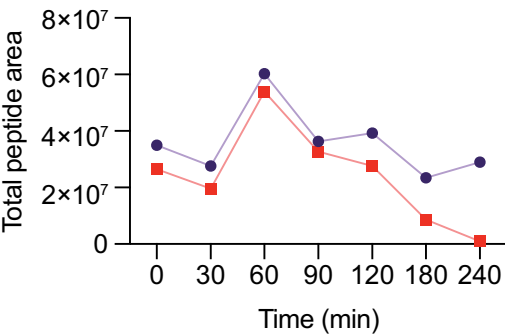
PRSS2



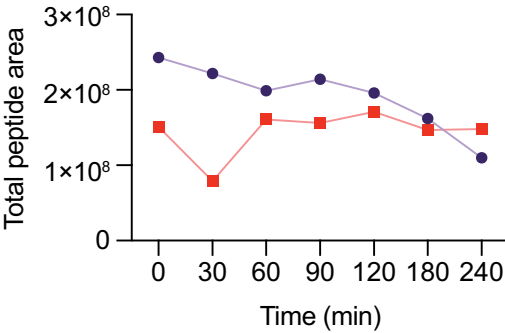
Actin, cytoplasmic 1



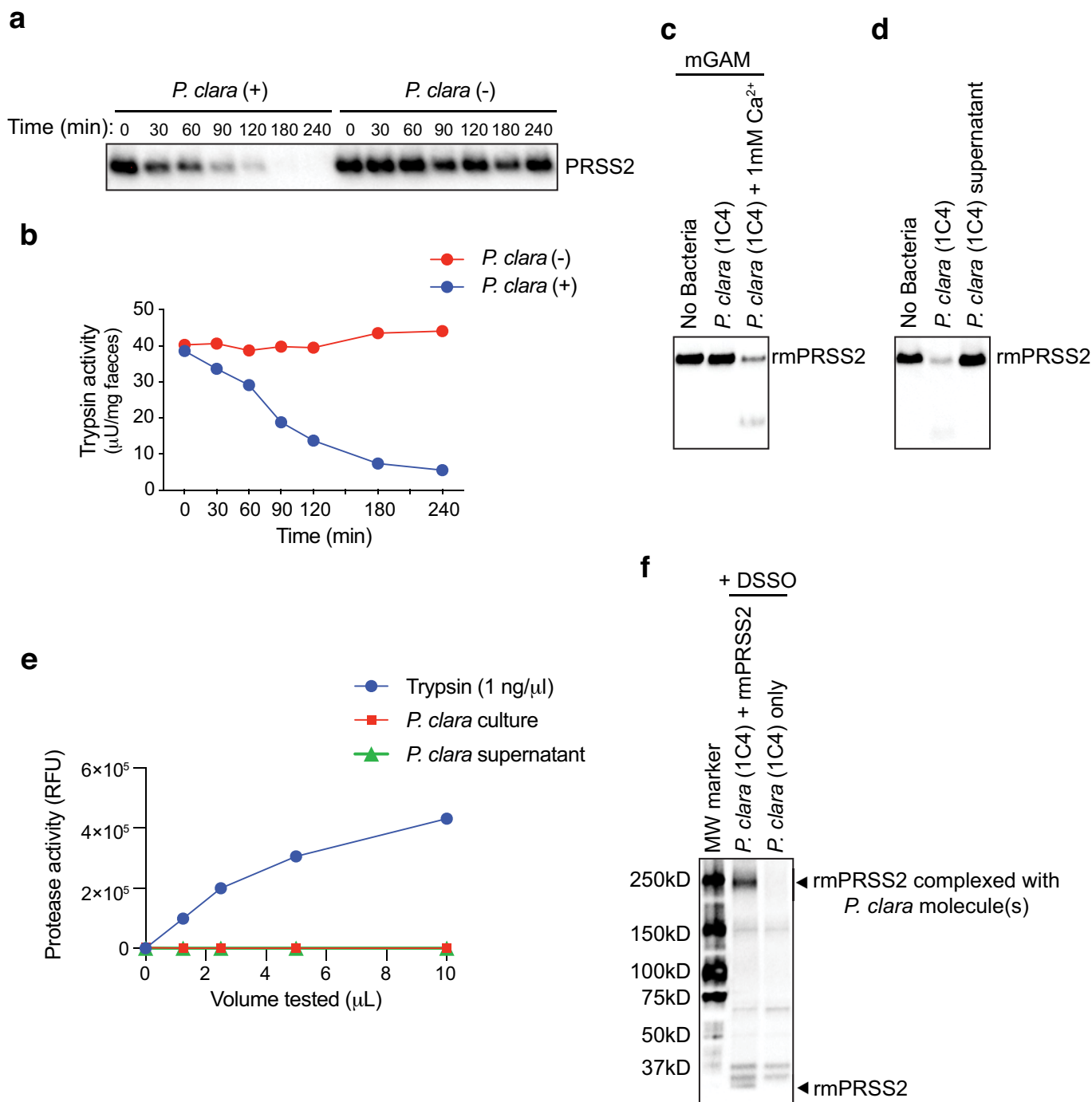
CELA3B



Cathepsin E

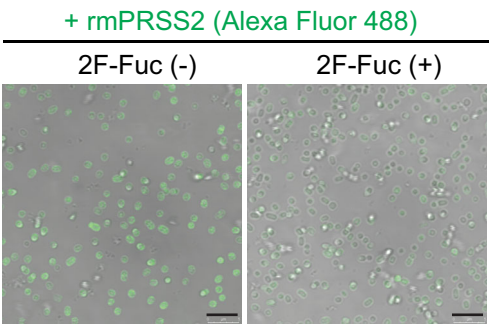


Extended Data Fig. 4

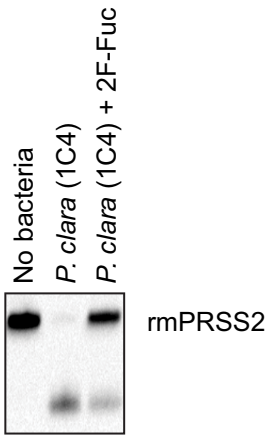


Extended Data Fig. 5

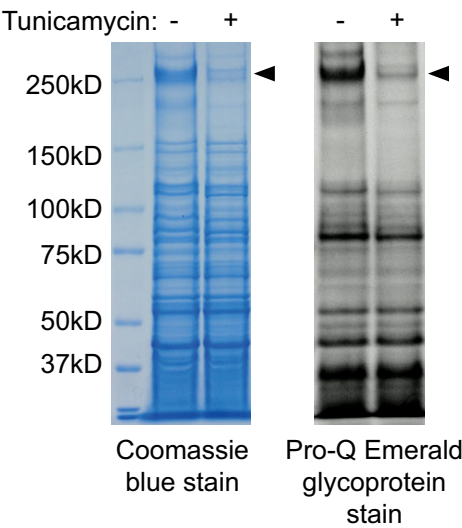
a



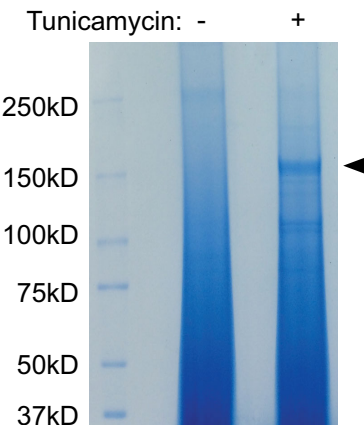
b



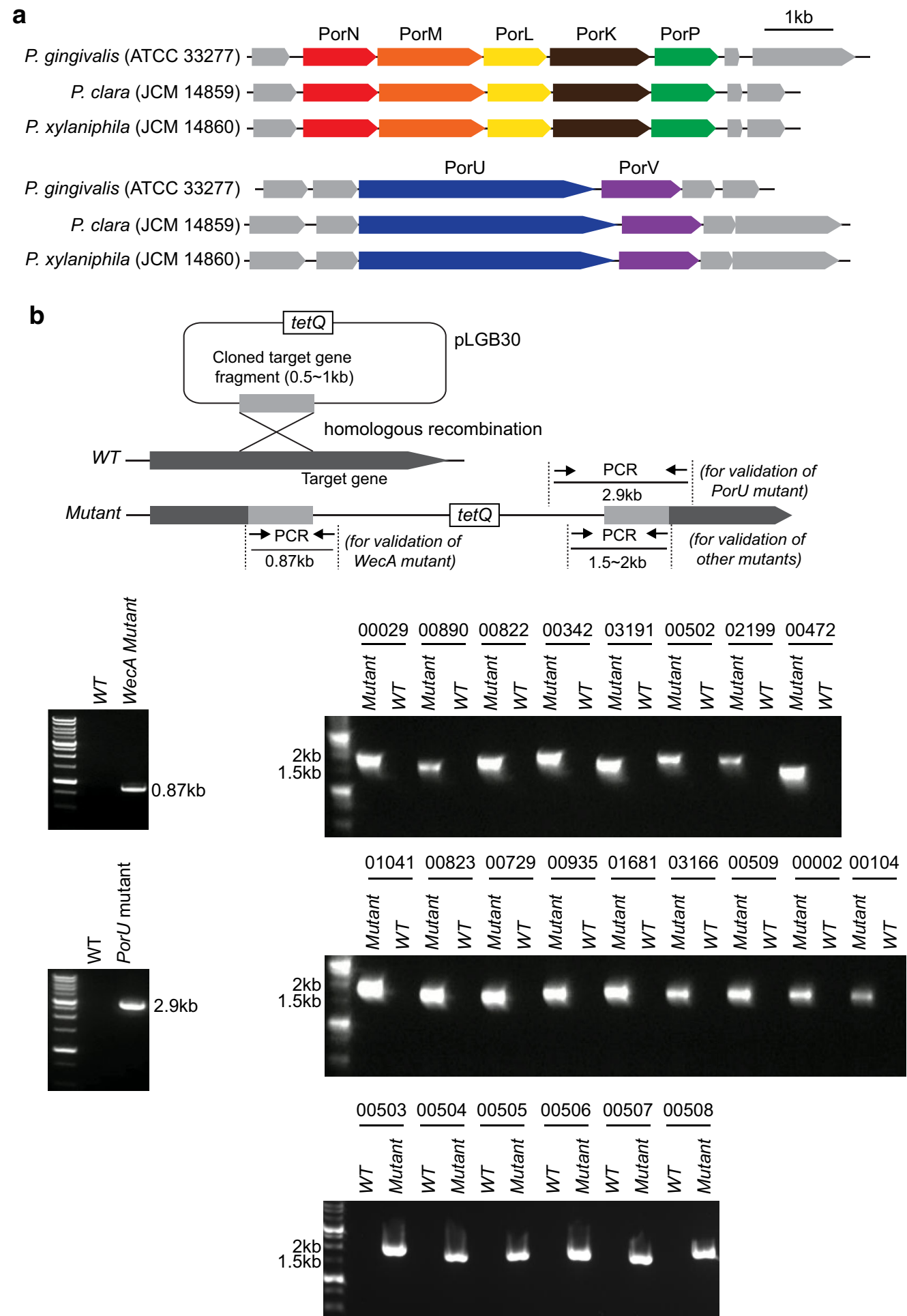
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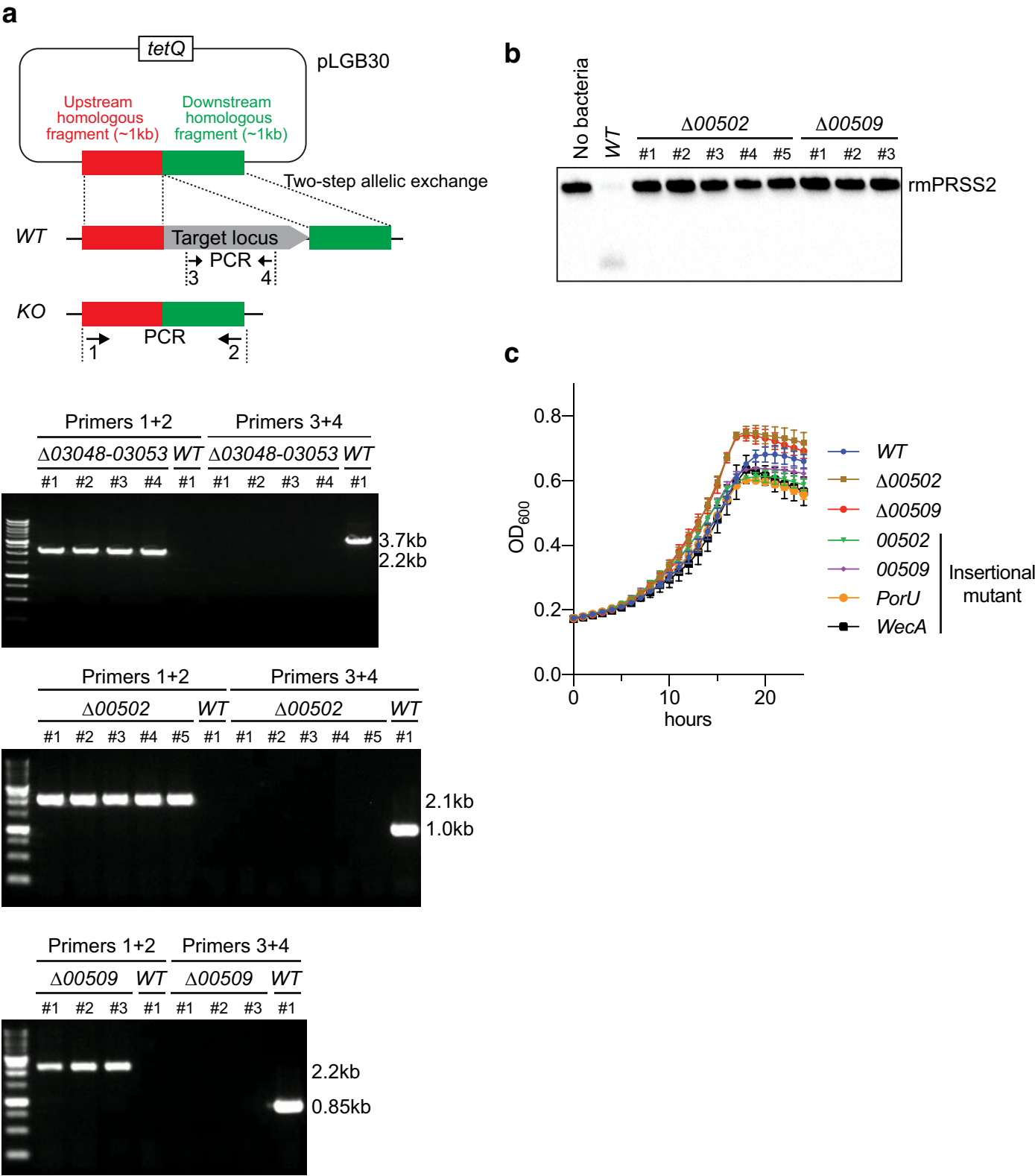
d



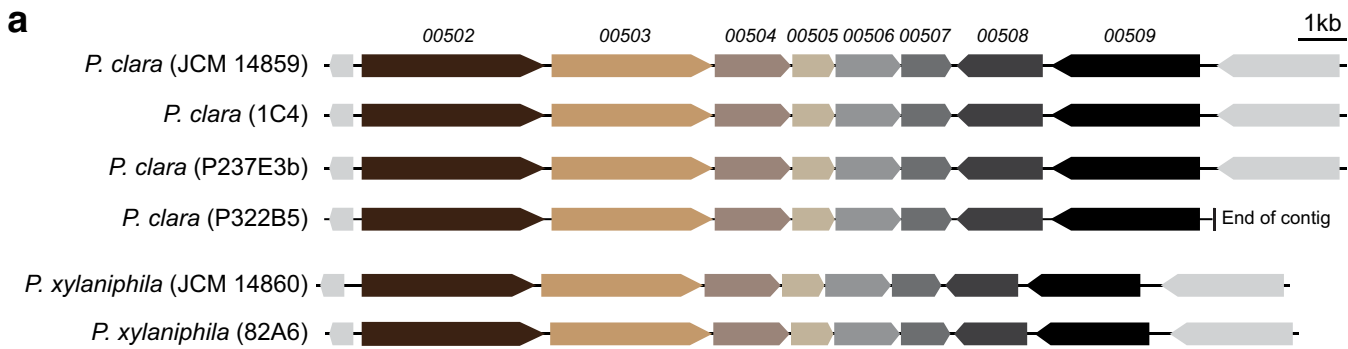
Extended Data Fig. 6



Extended Data Fig. 7



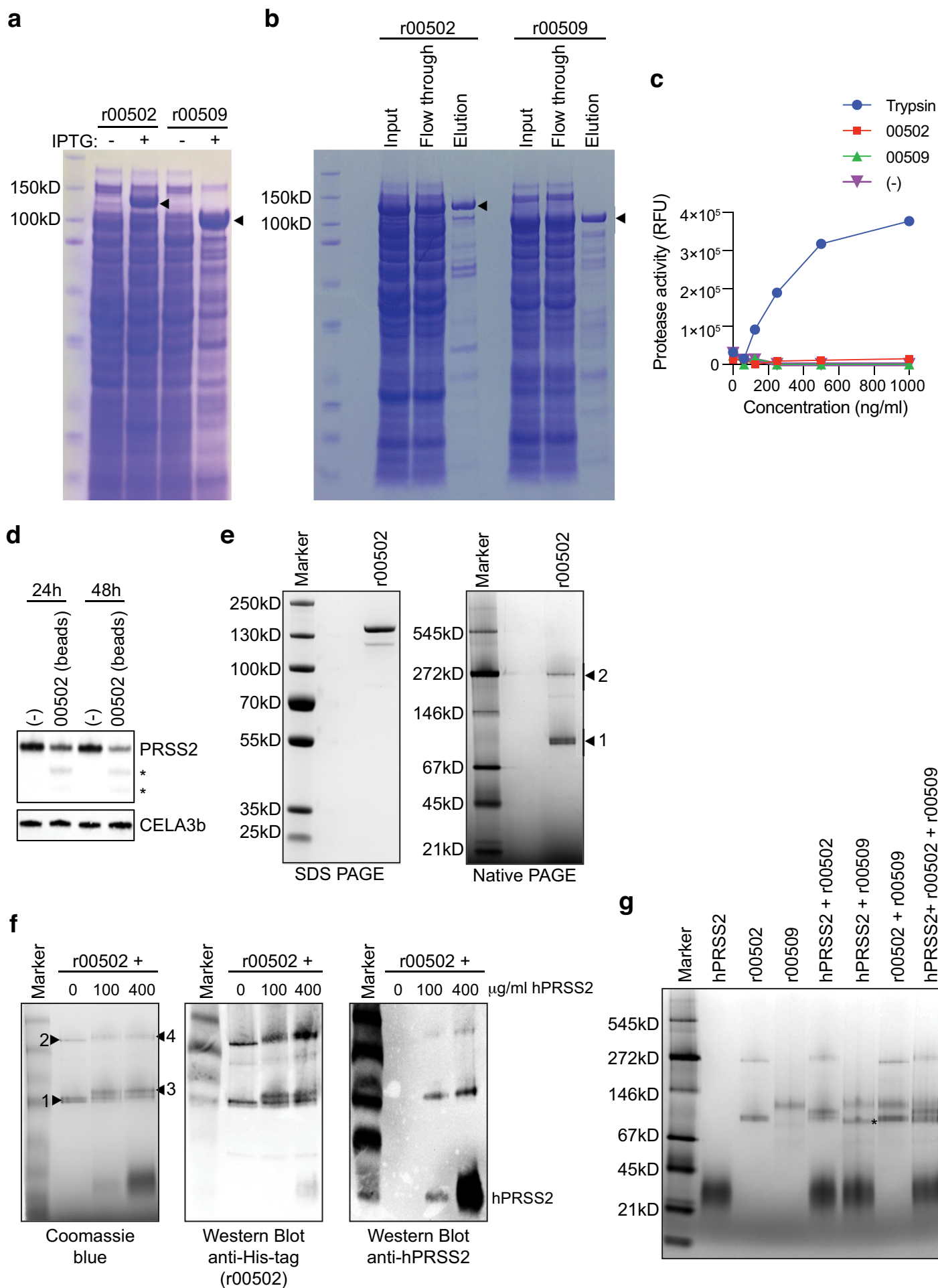
Extended Data Fig. 8



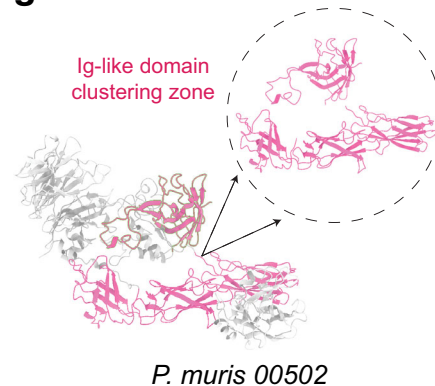
Genes	Annotation
<i>PROKKA_00502</i>	Omp28-related outer membrane protein
<i>PROKKA_00503</i>	SusC/RagA family TonB-linked outer membrane protein
<i>PROKKA_00504</i>	RagA/SusD family nutrient uptake outer membrane protein
<i>PROKKA_00505</i>	putative zinc-binding metallopeptidase
<i>PROKKA_00506</i>	DUF4302 domain-containing protein
<i>PROKKA_00507</i>	BACON domain-containing protein
<i>PROKKA_00508</i>	M6 family metalloprotease domain-containing protein
<i>PROKKA_00509</i>	hypothetical protein



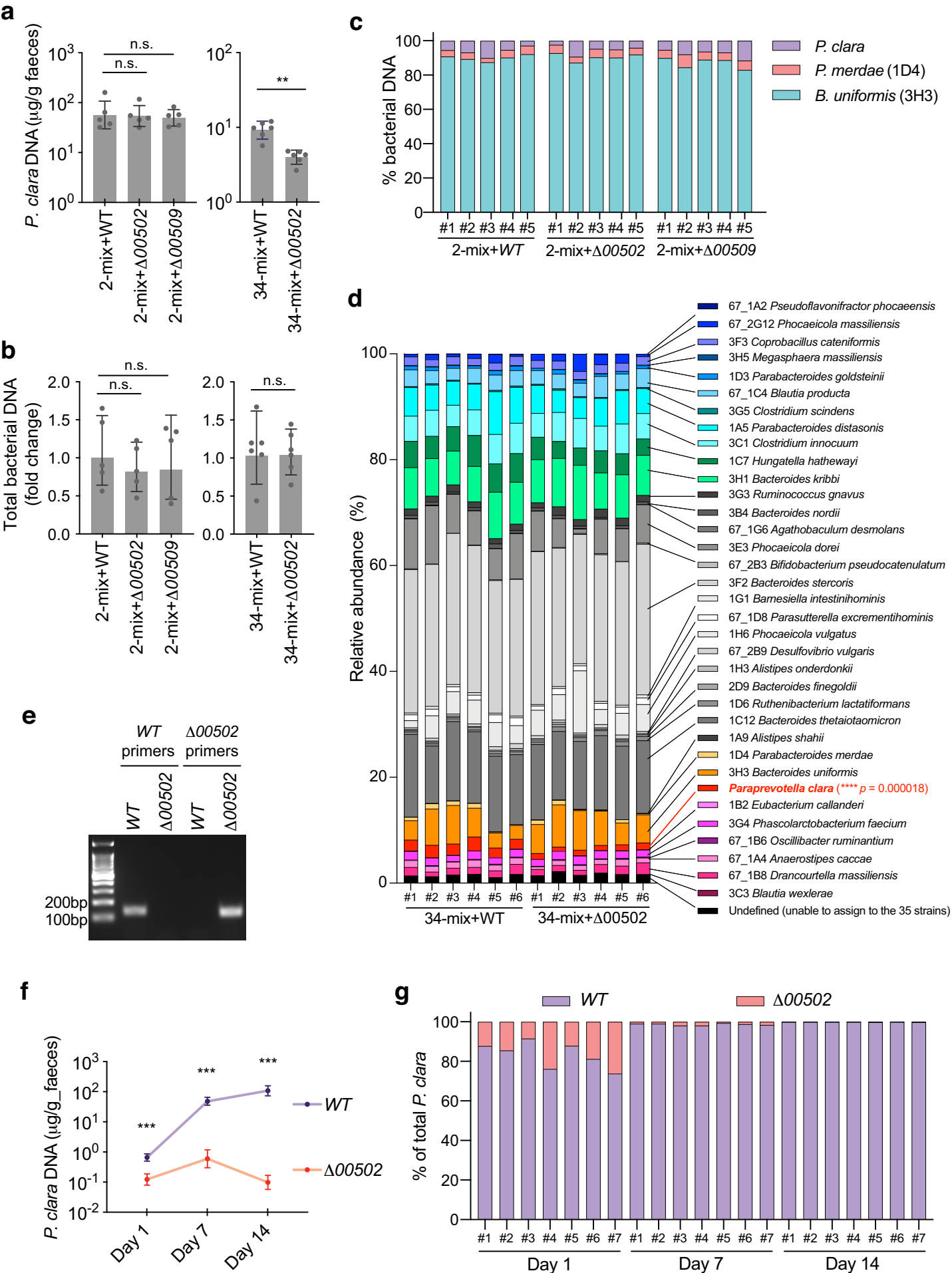
Extended Data Fig. 9



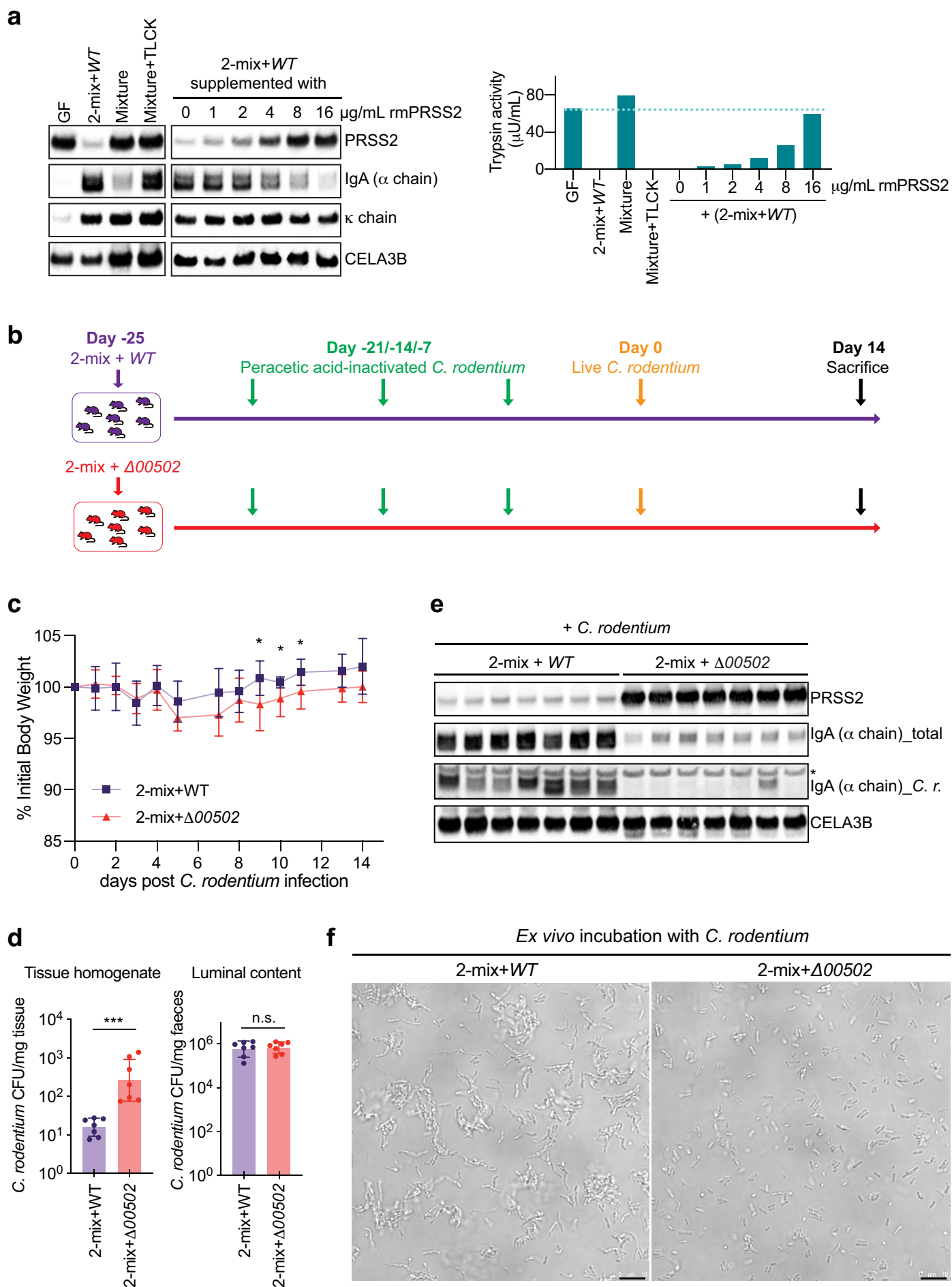
a



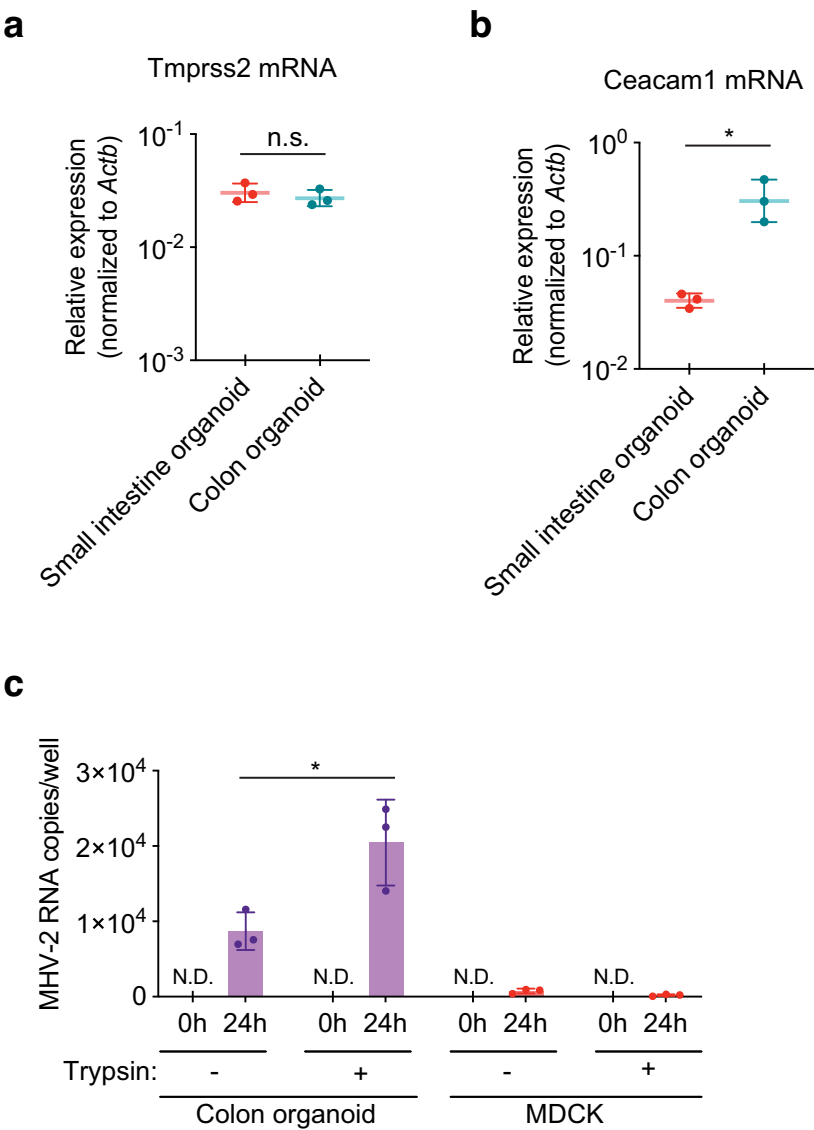
Extended Data Fig. 11



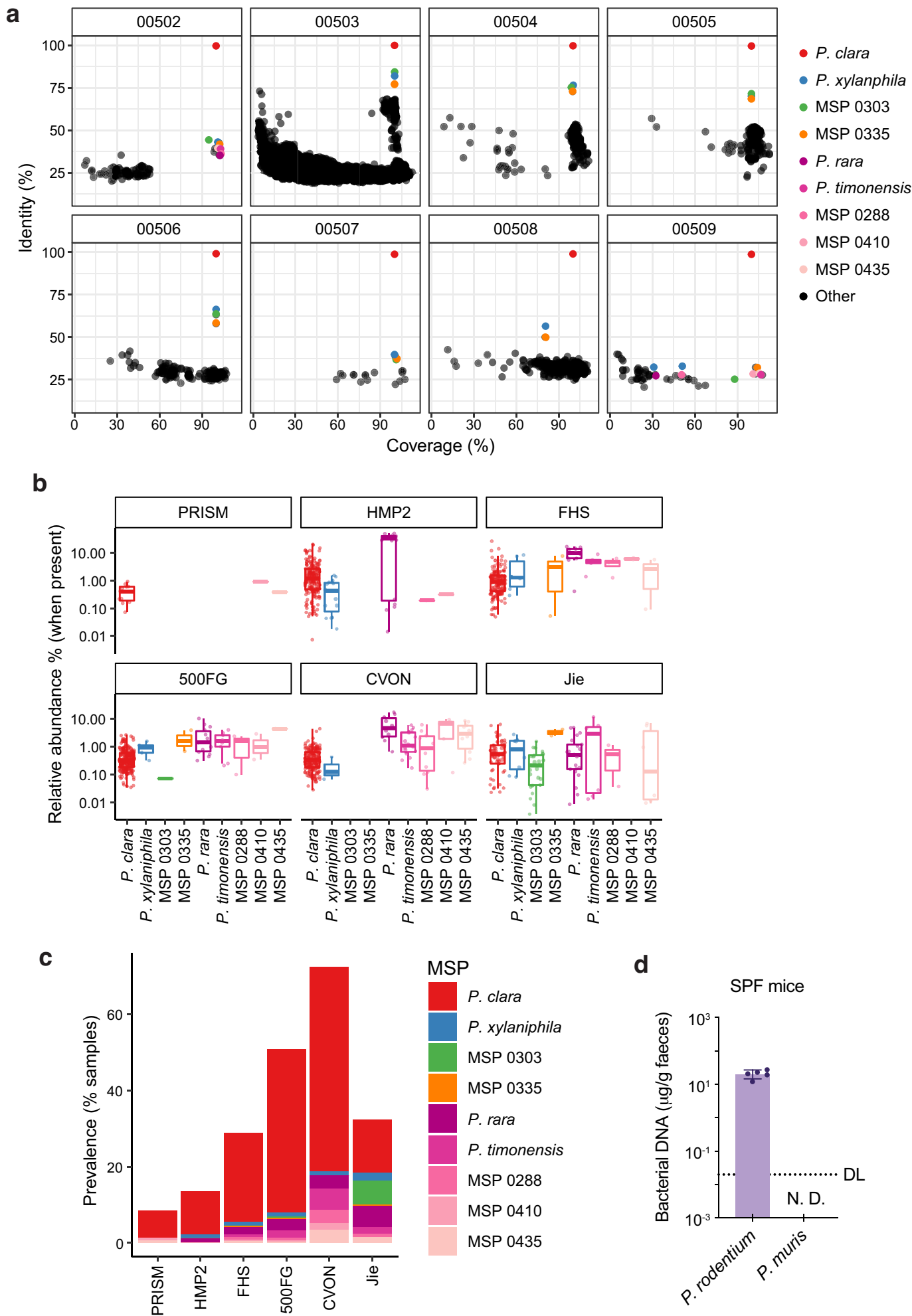
Extended data Fig. 12



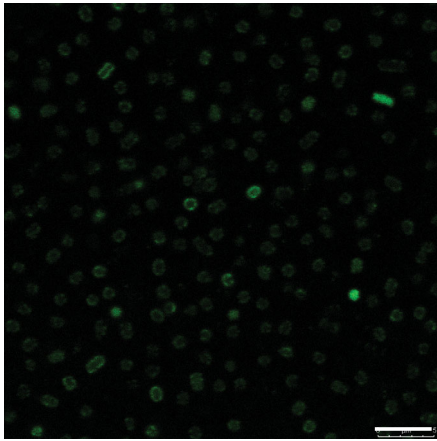
Extended data Fig. 13



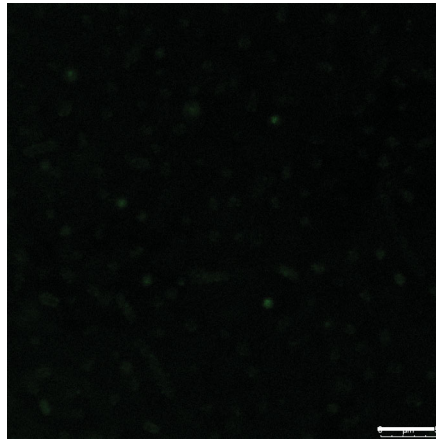
Extended data Fig. 14



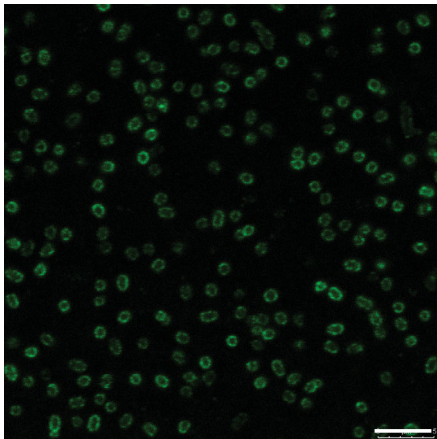
Extended data Fig. 15



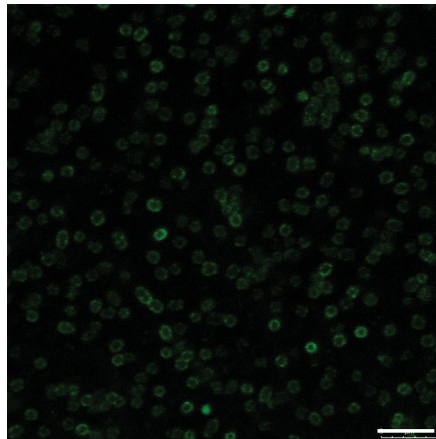
P. clara (JCM 14859) WT



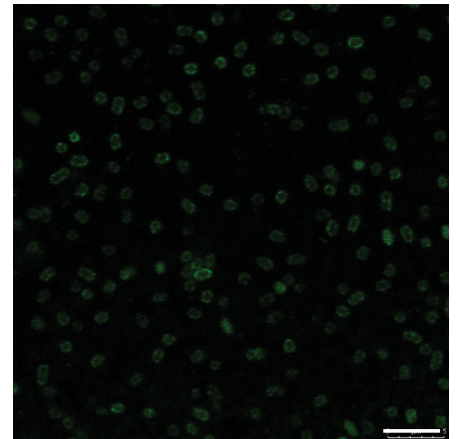
P. clara (JCM 14859) 00502KO



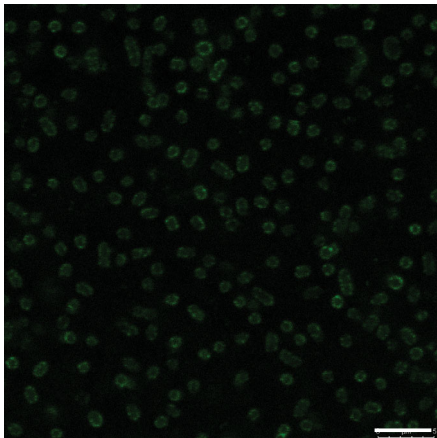
P. clara (1C4)



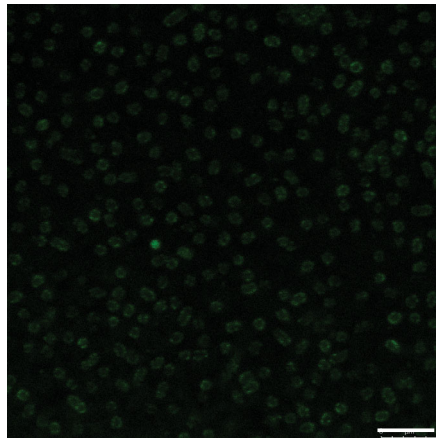
P. clara (P237E3b)



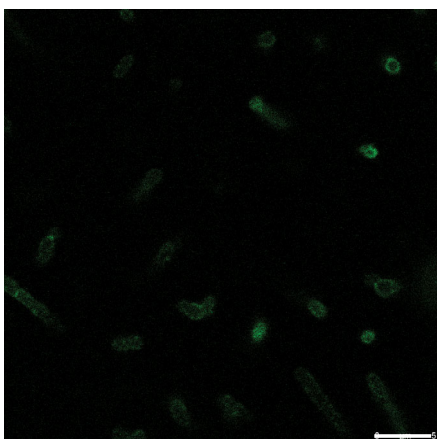
P. clara (P322B5)



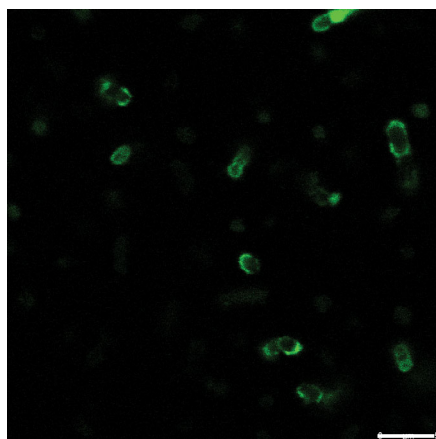
P. xylaniphila (JCM 14860)



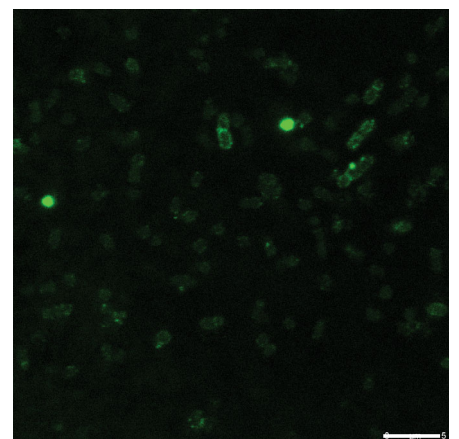
P. xylaniphila (82A6)



P. rodentium



P. muris



P. rara