

**Table S2. Plasmids used in this study**

Name	Bacterial marker	Source	Plasmid number
pMAL-OPI1	Amp	Carman G.M.	pRE394
pFA6a-mGFP-NatMX6	Amp	Natter K.	pRE390
pFA6a-mRFP-KanMX4	Amp	Natter K.	pRE391
pMAL-OPI1 <sup>S114*</sup>	Amp	This study	pRE634
pMAL-OPI1 <sup>R180*</sup>	Amp	This study	pRE636
pMAL-OPI1 <sup>Y127A,R180*</sup>	Amp	This study	pRE660
pMAL-OPI1 <sup>Y127D,R180*</sup>	Amp	This study	pRE661
pMAL-OPI1 <sup>Y127W,R180*</sup>	Amp	This study	pRE662
pMAL-OPI1 <sup>G120W,R180*</sup>	Amp	This study	pRE663
pMAL-OPI1 <sup>2xAH,R180*</sup>	Amp	This study	pRE664
pMAL-OPI1 <sup>D122K,E126K,R180*</sup>	Amp	This study	pRE665
pMAL-OPI1 <sup>5K5R,R180*</sup>	Amp	This study	pRE676
pFA6a-Opi1-mGFP	Amp	This study	pRE397
pFA6a-Opi1 <sup>Y127A</sup> -mGFP	Amp	This study	pRE587
pFA6a-Opi1 <sup>Y127L</sup> -mGFP	Amp	This study	pRE398
pFA6a-Opi1 <sup>Y127D</sup> -mGFP	Amp	This study	pRE399
pFA6a-Opi1 <sup>Y127R</sup> -mGFP	Amp	This study	pRE589
pFA6a-Opi1 <sup>Y127K</sup> -mGFP	Amp	This study	pRE588
pFA6a-Opi1 <sup>G120W</sup> -mGFP	Amp	This study	pRE591
pFA6a-Opi1 <sup>G120W,Y127A</sup> -mGFP	Amp	This study	pRE592
pFA6a-Opi1 <sup>K109A,R110A,K112A</sup> -mGFP	Amp	This study	pRE593
pFA6a-Opi1 <sup>D203A</sup> -mGFP	Amp	This study	pRE590
pFA6a-Opi1 <sup>D122K,E126K</sup> -mGFP	Amp	This study	pRE659
pFA6a-Opi1 <sup>5K5R</sup> -mGFP	Amp	This study	pRE677