

Table S1. 57 target genes encoded in pCD1 plasmid according to the genome annotation of *Y. pestis* CO92

Gene ID	Length aa	Gene name	product
YPCD1.05c	130	<i>yer A, sycE</i>	putative yopE chaperone sycE, yerA, yopE targeting protein
YPCD1.06	219	<i>yopE</i>	putative outer membrane virulence protein yopE
YPCD1.07	98		hypothetical protein
YPCD1.08c	99		hypothetical protein
YPCD1.09c	91		hypothetical protein
YPCD1.15c	152		hypothetical protein
YPCD1.16c	107		hypothetical protein
YPCD1.19c	182	<i>yopQ, yopK</i>	putative virulence determinant protein, yopK, yopQ
YPCD1.20	322	<i>yopT</i>	putative cytotoxic effector protein, yopT
YPCD1.21	132	<i>sycT</i>	putative yopT chaperone, sycT
YPCD1.22c	129		hypothetical protein , Y0063
YPCD1.23	139		hypothetical protein, Y0062
YPCD1.26c	409	<i>yopM</i>	probable targeted effector protein , yopM
YPCD1.28c	306	<i>yopD</i>	putative Yop negative regulation/targeting component, yopD
YPCD1.29c	401	<i>yopB</i>	putative Yop targeting protein, yopB
YPCD1.30c	168	<i>sycD, lcrH</i>	putative yopB/yopD chaperone, lcrH, sycD
YPCD1.31c	326	<i>lcrV</i>	putative V antigen, antihost protein/regulator, lcrV
YPCD1.32c	95	<i>lcrG</i>	putative Yop regulator, lcrG
YPCD1.33c	146	<i>lcrR</i>	hypothetical protein lcrR, lcrR
YPCD1.34c	704	<i>lcrD</i>	putative membrane-bound Yop protein, lcrD, yscV
YPCD1.35c	114	<i>yscY</i>	putative type III secretion protein, yscY
YPCD1.36c	122	<i>yscX</i>	putative type III secretion protein, yscX
YPCD1.37c	123	<i>sycN</i>	putative type III secretion protein, sycN
YPCD1.38c	92	<i>tyeA</i>	putative Yop secretion and targeting protein, tyeA
YPCD1.39c	293	<i>lcrE</i>	putative membrane-bound Yop targeting protein, yopN, lcrE
YPCD1.40	439	<i>yscN</i>	putative Yops secretion ATP synthase, yscN
YPCD1.41	154	<i>yscO</i>	putative type III secretion protein, yscO
YPCD1.42	455	<i>yscP</i>	putative type III secretion protein, yscP
YPCD1.43	307	<i>yscQ</i>	putative type III secretion protein, yscQ
YPCD1.44	217	<i>yscR</i>	putative Yop secretion membrane protein, yscR
YPCD1.45	88	<i>yscS</i>	putative type III secretion protein, yscS
YPCD1.46	261	<i>yscT</i>	putative type III secretion protein, yscT
YPCD1.47	354	<i>yscU</i>	putative type III secretion protein, yscU
YPCD1.48	131	<i>yscW</i>	putative Yop targeting lipoprotein, virG
YPCD1.49	271	<i>lcrF, virF</i>	putative thermoregulatory protein, lcrF, virF
YPCD1.50	32	<i>yscA</i>	hypothetical protein, yscA
YPCD1.51	137	<i>yscB</i>	hypothetical protein, yscB
YPCD1.52	607	<i>yscC</i>	putative type III secretion protein, yscC
YPCD1.53	419	<i>yscD</i>	putative type III secretion protein, yscD
YPCD1.54	66	<i>yscE</i>	putative type III secretion protein, yscE
YPCD1.55	87	<i>yscF</i>	putative type III secretion protein, yscF
YPCD1.56	115	<i>yscG</i>	putative type III secretion protein, yscG
YPCD1.57	165	<i>yscH, yopR, lcrP</i>	putative type III secretion protein, yscH, yopR, lcrP
YPCD1.58	115	<i>yscI, lcrO</i>	putative type III secretion protein, yscI, lcrO
YPCD1.59	244	<i>yscJ, ylpB</i>	putative type III secretion lipoprotein, yscJ, ylpB
YPCD1.60	209	<i>yscK</i>	putative type III secretion protein, yscK
YPCD1.61	221	<i>yscL</i>	putative type III secretion protein, yscL
YPCD1.62	115	<i>yscM, lcrQ</i>	putative type III secretion regulatory protein, yscM, lcrQ

YPCD1.67c	468	<i>yopH</i>	putative protein-tyrosine phosphatase Yop effector, yopH
YPCD1.68c	68		conserved hypothetical protein
YPCD1.71c	288	<i>yopP, yopJ</i>	putative targeted effector protein, yopP, yopJ
YPCD1.72c	732	<i>ypkA</i>	putative targeted effector protein kinase, ypkA
YPCD1.73c	149		hypothetical protein
YPCD1.82c	135		hypothetical protein
YPCD1.83c	107		hypothetical protein
YPCD1.91	109		hypothetical protein
YPCD1.95c	141	<i>sych</i>	putative yopH targeting protein, sych
