Supplementary Table S1. Control strains, primers sequences and PCR conditions to detect fimbriae-encoding genes of *E. coli*

Gene	Sequences (5´- 3´)	Annealing temperature / Incubation	Fragment (pb)	Primers reference	Control strains	Strain reference
fimA	(F) CTGTCGGCTCTGTCCCTCAGT (R) GATGCGGTACGAACCTGTCCTAA	65ºC / 1 min	161	Nowrouzian et al., 2005	J96 (+) UEL13 (–)	Hull et al., 1981 Rocha et al., 2007
fimH	(F) GACGTCACCTGCCCTCCGGTA (R) TGCAGAACGGATAAGCCGTGG	63ºC / 1 min	508	Hernandes et al., 2011	J96 (+) UEL13 (–)	Hull et al., 1981 Rocha et al., 2007
papA	(F) CACATTATCACCATCTTTC (R) TCTATTGATTTTGGACAGC	50ºC / 1 min	306	This study (GenBank: NC_007946)	J96 (+) UEL13 (–)	Hull et al., 1981 Rocha et al., 2007
sfaD-E	(F) CTCCGGAGAACTGGGTGCATCTTAC (R) CGGAGGAGTAATTACAAACCTGGCA	50ºC / 40 sec	410	Le Bouguénec et al., 1992	RS218 (+) DH5α (–)	Johnson et al., 2001 Sambrook et al., 1989
bfpA	(F) GGTCTGTCTTTGATTGAATC (R) TTTACATGCAGTTGCCGCTT	55ºC / 1 min	485	This study (GenBank: NC_002142)	E2348/69 (+) C600 (–)	Levine et al., 1985 Sambrook et al., 1989
ecpA	(F) GCCGCTGATGATGGAGAAAG (R) GCAACAGCCAAAAAAGACACC	56ºC / 1 min	384	Saldaña et al., 2009	E2348/69 (+) 1551-2 (-)	Levine et al., 1985 Yamamoto et al., 2017
ldaH	(F) CCCCGGTTTTACGCCTTTTGT (R) CGTAACCCTGCCGTCCGATAGA	64ºC / 1 min	391	This study (GenBank: AY858803.1)	*E. coli 22* (+) C600 (–)	Scaletsky et al., 2005 Sambrook et al., 1989

aggA	(F) GCGTTAGAAAGACCTCCAATA (R) GCCGGATCCTTAAAAATTAATTCCGGC	55ºC / 1 min	462	Bernier et al., 2002	17-2 (+) C600 (–)	Nataro et al., 1993 Sambrook et al., 1989
aafA	(F) ACATGCATGCAAAAAATCAGAATGTTTGTT (R) CGGGATCCATTTGTCACAAGCTCAGC	63ºC / 1 min	550	Czeczulin et al, 1997	042 (+) C600 (–)	Vial et al., 1988 Sambrook et al., 1989
agg3A	(F) GTATCATTGCGAGTCTGGTATTCAG (R) GGGCTGTTATAGAGTAACTTCCAG	60ºC / 1 min	462	Bernier et al., 2002	RN785-1 (+) C600 (–)	Zamboni et al., 2004 Sambrook et al., 1989
agg4A	(F) TGAGTTGTGGGGCTAYCTGGA (R) CACCATAAGCCGCCAAATAAGC	57ºC / 1 min	169	Boisen et al., 2008	BA1116 (+) DH5α (–)	Abe et al., 2009 Sambrook et al., 1989
pilS	(F) ATGAGCGTCATAACCTGTTC (R) CTGTTGGTTTCCAGTTTGAT	50ºC / 1 min	534	Dudley et al., 2006	C1096 (+) C600 (–)	Cobeljic et al., 1996 Sambrook et al., 1989
pilV	(F) ATGCAAAAAGACAACGATAA (R) TTAATTGAGCGTTACACACG	50ºC / 1 min	1194	Dudley et al., 2006	C1096 (+) C600 (–)	Cobeljic et al., 1996 Sambrook et al., 1989
lngA	(F) AAAAATCGCCAAATACCAT (R) GTTTGTCCATTGTTACCT	55ºC / 45 sec	588	This study (GenBank: AF004308)	E9034A (+) C600 (–)	Girón et al., 1994 Sambrook et al., 1989
cfaB	(F) GCTCTGACCACAATGTTTG (R) TTACACCGGATGCAGAATA	54ºC / 1 min	364	Ghosal et al., 2007	H10407 (+) C600 (–)	Evans et al., 1975 Sambrook et al., 1989

cooA	(F) TTGACCTTCTGCAATCTGA	54ºC / 1 min	324	Ghosal et al., 2007	170A1 (+)	This study
	(R) CATCTGCATGGATTGTTGAAAG				C600 (–)	Sambrook et al., 1989
cotA	(F) GAGAAAAATATCACTGTAACTG	57ºC / 1 min	385	This study	E4833 (+)	Guth et al., 1994
	(R) TATTAGTTTGCTGGGTGCTTC			(GenBank: Z47800.1)	DH5α (–)	Sambrook et al., 1989
cstA	(F) GGTGGGTGTTTTGACTCTT	54ºC / 1 min	264	Ghosal et al., 2007	PB176 (+)	Evans and Evans, 1978
	(R) TGTTCGTTACCTTCAGTGG				C600 (–)	Sambrook et al., 1989
cofA	(F) GCCTTCTGGAAGTCATCAT	52ºC / 40 sec	437	Ghosal et al., 2007	220A1 (+)	This study
	(R) TGCCACATACTCCCAGTTA				DH5α (–)	Sambrook et al., 1989
csaA	(F) TTTTGCAAGCTGATGGTAG	54ºC / 1 min	250	Ghosal et al., 2007	E8775 (+)	Thomas et al., 1982
	(R) TCTGCAGGTTCAAAAGTCA				C600 (–)	Sambrook et al., 1989
csfA	(F) CGGATTGGATATACCGTTT	54ºC / 1 min	453	Ghosal et al., 2007	4961-2 (+)	Giraldi and Guth, 1993
	(R) TCAACAGCAAATGTTACCG				C600 (–)	Sambrook et al., 1989
cssA	(F) TTTTGCAAGCTGATGGTAG	54ºC / 1 min	250	Ghosal et al., 2007	E17018A (+)	McConnell et al., 1988
	(R) TCTGCAGGTTCAAAAGTCA				C600 (–)	Sambrook et al., 1989
daaC	(F) GTTCTGACGCACCTCTATCCG	64ºC / 1 min	286	This study	C1845 (+)	Bilge et al., 1989
	(R) CATTGGACCCTGGCGTGTTAG			(GenBank: EU010379.1)	DH5α (–)	Sambrook et al., 1989

sfpA	(F) AGCCAAGGCCAAGGGATTATTA (R) TTAGCAACAGCAGTGAAGTCTC	64ºC - 1 min	440	Brunder et al., 2001	O157:H^{-} (+) C600 (–)	Blanco et al., 1995 Sambrook et al., 1989
hcpA	(F) TCGCTAGTTGCTGACAGATTT (R) AATGTCTGTTGTGTGCGACTG	50ºC / 1 min	868	Xicohtencatl-Cortes et al., 2007	EDL933 (+) H10407 (-)	Perna et al., 2001 Evans et al., 1975
lpfA $_{O113}$	(F) ATGAAGCGTAATATTATAG (R) TTATTTCTTATATTCGAC	52ºC / 1 min	573	Doudhty et al., 2002	STEC50 (+) DH5α (–)	Vaz et al., 2006 Sambrook et al., 1989
lpfA1-1	(F) GTGCTGGATTCACCACTATTCATCG (R) AGTTGGTGATAAATCACCAT	59ºC / 30 sec	222	Torres et al., 2009	E2348/69(+) C600 (–)	Levine et al., 1985 Sambrook et al., 1989
lpfA1-2	(F) AAGTCTGTATTTACTGCTATG (R) GAAATACAGAACGGTCTGA	57ºC / 30 sec	273	Torres et al., 2009	FV10094 (+) C600 (–)	Torres et al., 2009 Sambrook et al., 1989
lpfA1-3	(F) GGTTGGTGACAAATCCCCG (R) CGTCTGGCCTTTACTCAGA	62ºC / 30 sec	244	Torres et al., 2009	EDL933 (+) C600 (–)	Perna et al., 2001 Sambrook et al., 1989
lpfA1-5	(F) GGTTGGTGACAAATCCCCG (R) GAGAACCGTCTGGCCTGTTT	60ºC / 30 sec	273	Torres et al., 2009	FV10106 (+) DH5α (–)	Torres et al., 2009 Sambrook et al., 1989
lpfA2-1	(F) GGTAGTCTGGCGTCGCCACAGA (R) AATACGAATACCAACGCCG	60ºC / 30 sec	207	Torres et al., 2009	FV10132 (+) C600 (–)	Torres et al., 2009 Sambrook et al., 1989

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