

Supporting Data

Table 1S. Specificity of *Ellagibacter* primers and probe.

Cepa	Name	EMBL	Matches			qPCR Test	
			Forward	Probe	Reverse		
<u>Ellagibacter</u>							
	<i>Ellagibacter isourolithinifaciens</i>	DSM 104140 ^T	MF322780.1	0	0	0	positive
<u>Neighbours of Ellagibacter</u>							
	<i>Senegalimassilia anaerobia</i>	DSM 25959 ^T	JF824809	4	7	0	negative
	<i>Adlercreutzia equolifaciens subsp. celatus</i>	DSM18785 ^T	AB266102	4	6	0	negative
	<i>Adlercreutzia equolifaciens</i>	DSM 19450 ^T	AB306661.1	4	6	0	negative
	<i>Adlercreutzia equolifaciens</i>	FJC-B9 ^T	AB306661	4	6	0	negative
	<i>Adlercreutzia mucosicola</i>	DSM 19490 ^T	AM747811.2	4	6	0	negative
	<i>Adlercreutzia caecicola</i>	DSM 22242 ^T	GQ456228.2	4	6	0	negative
	<i>Adlercreutzia caecimuris</i>	DSM 21839 ^T	DQ789120	4	6	0	ND
	<i>Slackia isoflavoniconvertens</i>	DSM 22006 ^T	EU826403	4	7	0	negative
	<i>Slackia heliotrinireducens</i>	DSM 20476 ^T	AF101241	4	7	0	negative
	<i>Denitrobacterium detoxificans</i>	DSM21843 ^T	U43492	5	7	0	ND
	<i>Cryptobacterium curtum</i>	DSM 15641 ^T	NR074425	5	5	0	ND
	<i>Raoultibacter massiliensis</i>	DSM 103407 ^T	LT576395.1	4	7	0	ND
	<i>Gordonibacter pamelaeeae</i>	DSM 19378 ^T	NR_102934.1	4	7	0	negative
	<i>Gordonibacter pamelaeeae</i>	ARC-1	EF413639	4	7	0	negative
	<i>Gordonibacter urolithinifaciens</i>	DSM 27213 ^T	HG000667	4	7	0	negative
	<i>Gordonibacter urolithinifaciens</i>	CEBAS 19P		4	7	0	negative
	<i>Gordonibacter urolithinifaciens</i>	CEBAS 107P		4	7	0	negative
	<i>Eggerthella lenta</i>	DSM 2243 ^T	AF292375	5	7	0	negative
	<i>Eggerthella sinensis</i>	DSM 16107 ^T	AY321958	3	7	0	negative
	<i>Paraeggerthella hongkongensis</i>	DSM 16106 ^T	AY288517	3	7	0	negative
<u>Other representative species commonly found in faeces</u>							
	<i>Blautia coccooides</i>	DSM 935 ^T	M59090	>6	>6	>6	negative
	<i>Clostridium leptum</i>	DSM 935 ^T	AJ305238	>6	>6	>6	negative
	<i>Bacteroides ovatus</i>	DSM 1896 ^T	X83952	>6	>6	>6	negative
	<i>Lactobacillus plantarum</i>	CECT 748 ^T	D79210	>6	>6	>6	negative
	<i>Escherichia coli</i>	CECT 515 ^T	AB681728	>6	>6	>6	negative
	<i>Bifidobacterium longum</i>	DSM 20088 ^T	M58739	>6	>6	>6	negative
	<i>Salmonella enterica</i>	DSM 17058 ^T	AE006468	>6	>6	>6	negative

Table 2S. Specificity of *Enterocloster* primers and probe.

Strain	Name	EMBL	Matches			qPCR Test
			Forward	Probe	Reverse	
<u>Enterocloster</u>						
<i>Enterocloster asparagiformis</i>	DSM 15981T	NR_042200.1	20	24	20	Positive
<i>Enterocloster bolteae</i>	DSM 15670T	CP022464.2	20	24	20	Positive
<i>Enterocloster citroniae</i>	DSM 19261T	NR_043681.1	20	24	20	Positive
<i>Enterocloster clostidioformis</i>	DSM 933T	<u>NR_044715.2</u>	20	24	20	Positive
<i>Enterocloster aldenensis</i>	DSM 19262T	<u>NR_043680.1</u>	20	24	20	Positive
<i>Enterocloster lavalense</i>	CCRI-9842	<u>NR_044289.1</u>	20	24	20	Positive
<u>Neighbours of Enterocloster</u>						
<i>Lacrimispora indolis</i>	DSM 755T	<u>HM245946.1</u>	18	22	13	Negative
<i>Lacrimispora sphenoides</i>	DSMZ 4024	<u>LT630003.1</u>	13	22	16	Negative
<i>Lacrimispora aerotolerans</i>	DSM 5434T	NR_119068.1	18	22	13	Negative
<i>Blautia coccooides</i>	DSM 935T	CP022713.1	18	22	16	Negative
<i>Blautia producta</i>	DSM 2950T	<u>CP048626.1</u>	18	22	16	Negative
<u>Other representative species commonly found in faeces</u>						
<i>Gordonibacter urolithinifaciens</i>	DSM 27213T	<u>LT900217.1</u>	12	13	12	Negative
<i>Eggerthella lenta</i>	DSM 2243T	<u>CP001726.1</u>	12	15	11	Negative
<i>Eggerthella sinensis</i>	DSM 16107T	<u>NR_042840.1</u>	11	11	7	Negative
<i>Paraeggerthella hongkongensis</i>	DSM 166106T	<u>NR_042825.1</u>	11	11	7	Negative
<i>Clostridium leptum</i>	DSM 735 ^T	NR_114789.1	13	7	12	Negative
<i>Bacteroides ovatus</i>	DSM 1896 ^T	CP012938.1	14	13	12	Negative
<i>Lactobacillus plantarum</i>	CECT 748 ^T	CP039121.1	17	12	13	Negative
<i>Escherichia coli</i>	CECT 515 ^T	AB681728	<6	<6	<6	Negative
<i>Bifidobacterium longum</i>	DSM 20088 ^T	M58739	<6	<6	<6	Negative
<i>Salmonella enterica</i>	DSM 17058 ^T	AE006468	<6	<6	<6	Negative