

CutCD	Number genomes (% of genus)	Correlation Taxonomy
<i>Clostridium XIva</i>	29 (21.80%)	6 (0.49±0.10)
<i>Enterobacter</i>	160 (30.39%)	7 (0.56±0.11)
<i>Klebsiella</i>	262 (10.99%)	4 (0.55±0.14)
<i>Clostridium sensu stricto</i>	246 (49.90%)	-
<i>Escherichia</i>	232 (3.22%)	5 (0.43±0.07)
<i>Desulfovibrio</i>	16 (25.00%)	6 (0.47±0.10)
<i>Enterococcus</i>	41 (2.49%)	2 (0.36/0.36)
<i>Collinsella</i>	3 (11.54%)	2 (0.36/0.36)
CntAB		
<i>Escherichia</i>	4788 (66.38%)	10 (0.73±0.17)
<i>Klebsiella</i>	1682 (70.52%)	12 (0.64±0.18)
GrdH		
<i>Clostridium XIva</i>	40 (30.30%)	6 (0.48±0.09)
<i>Dorea</i>	2 (22.22%)	11 (0.49±0.11)
BaiA-I		
<i>Clostridium XIva</i>	7 (5.30%)	1 (0.35)
<i>Ruminococcus2</i>	2 (11.76%)	2 (0.59/0.40)
DsrAB		
<i>Bilophila</i>	ND	12 (0.91±0.06)
<i>Desulfovibrio</i>	ND	11 (0.63±0.13)