

Title	Things are getting hairy: Enterobacteria bacteriophage vB_PcaM_CBB
Authors	Buttimer, Colin;Hendrix, Hanne;Oliveira, Hugo;Casey, Aidan;Neve, Horst;McAuliffe, Olivia;Ross, R. Paul;Hill, Colin;Noben, Jean-Paul;O'Mahony, Jim;Lavigne, Rob;Coffey, Aidan
Publication date	2017-01-24
Original Citation	Buttimer, C., Hendrix, H., Oliveira, H., Casey, A., Neve, H., McAuliffe, O., Ross, R. P., Hill, C., Noben, J.-P., O'Mahony, J., Lavigne, R. and Coffey, A. (2017) 'Things are getting hairy: Enterobacteria bacteriophage vB_PcaM_CBB', <i>Frontiers In Microbiology</i> , 8, 44 (16pp). doi:10.3389/fmicb.2017.00044
Type of publication	Article (peer-reviewed)
Link to publisher's version	10.3389/fmicb.2017.00044
Rights	© 2017, the Authors. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) or licensor are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms. - <a href="https://creativecommons.org/licenses/by/4.0/">https://creativecommons.org/licenses/by/4.0/</a>
Download date	2024-04-28 12:40:45
Item downloaded from	<a href="https://hdl.handle.net/10468/3694">https://hdl.handle.net/10468/3694</a>

## Supplementary S4

**Table S1 - Phage CBB codon usage (CBB\_1 - CBB\_554) with tRNA gene codons highlighted**

aa F	Frequency	Codon	Occurrence	Codon Freq.	Freq./aa	tRNA occurrence
Ala	5.83%	GCA	3058	2.86%	49.06%	1
		GCC	313	0.29%	5.02%	
		GCG	584	0.55%	9.37%	
		GCT	2278	2.13%	36.55%	
Arg	4.09%	CGA	380	0.36%	8.69%	
		CGC	432	0.40%	9.88%	
		CGG	130	0.12%	2.97%	
		CGT	2587	2.42%	59.17%	1
		AGA	684	0.64%	15.65%	1
		AGG	159	0.15%	3.64%	
Asm	6.16%	AAC	2506	2.34%	38.06%	1
		AAT	4079	3.81%	61.94%	
Asp	6.65%	GAC	1525	1.43%	21.44%	1
		GAT	5588	5.22%	78.56%	
Cys	1.14%	TGC	287	0.27%	23.62%	1
		TGT	928	0.87%	76.38%	
Gln	3.60%	CAA	2750	2.57%	71.39%	1
		CAG	1102	1.03%	28.61%	
Glu	7.35%	GAA	6766	6.33%	86.13%	1
		GAG	1090	1.02%	13.87%	
Gly	5.83%	GGA	1316	1.23%	21.12%	1
		GGC	565	0.53%	9.07%	
		GGG	336	0.31%	5.39%	
		GGT	4015	3.75%	64.43%	
His	1.97%	CAC	593	0.55%	28.13%	1
		CAT	1515	1.42%	71.87%	
Ile	6.88%	ATA	1017	0.95%	13.83%	
		ATC	1620	1.51%	22.02%	1
		ATT	4719	4.41%	64.15%	
Leu	7.75%	CTA	1751	1.64%	21.13%	1
		CTC	264	0.25%	3.19%	
		CTG	715	0.67%	8.63%	
		CTT	1750	1.64%	21.12%	
		TTA	2521	2.36%	30.43%	2
		TTG	1284	1.20%	15.50%	1
Lys	6.58%	AAA	5314	4.97%	75.47%	1
		AAG	1727	1.61%	24.53%	
Met	2.35%	ATG	2512	2.35%	100.00%	3
Phe	4.58%	TTC	2109	1.97%	43.08%	2
		TTT	2786	2.60%	56.92%	
Pro	3.28%	CCA	1951	1.82%	55.70%	2
		CCC	86	0.08%	2.46%	
		CCG	329	0.31%	9.39%	
		CCT	1137	1.06%	32.46%	
Ser	6.63%	TCA	1883	1.76%	26.54%	1
		TCC	329	0.31%	4.64%	

		TCG	313	0.29%	4.41%	
		TCT	1836	1.72%	25.88%	1
		AGC	544	0.51%	7.67%	1
		AGT	2189	2.05%	30.86%	
Thr	6.41%	ACA	2141	2.00%	31.23%	1
		ACC	677	0.63%	9.87%	
		ACG	477	0.45%	6.96%	
		ACT	3561	3.33%	51.94%	
Trp	1.21%	TGG	1289	1.21%	100.00%	1
Tyr	4.89%	TAC	1752	1.64%	33.53%	1
		TAT	3473	3.25%	66.47%	
Val	6.85%	GTA	3095	2.89%	42.22%	
		GTC	365	0.34%	4.98%	1
		GTG	666	0.62%	9.08%	
		GTT	3205	3.00%	43.72%	1