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|---|---|
| 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 |
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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 occurance |
|---|---|---|---|---|---|---|
| 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 |