Table S1. Codon usage of *Leptosphaerulina chartarum* and *Curvularia trifolii* PCGs.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AA | Code | N（RSCU） | | AA | Code | N（RSCU） | | |
| *L. chartarum* | *C. trifolii* | *L. chartarum* | | *C. trifolii* |
| Phe | TTT | 576(1.4) | 527(1.35) | Tyr | TAT | 492(1.42) | 378(1.31) | |
|  | TTC | 247(0.6) | 254(0.65) |  | TAC | 202(0.58) | 200(0.69) | |
| Leu | TTA | 390(2.12) | 331(2.37) | TER | TAA | 647(1.72) | 563(1.95) | |
|  | TTG | 153(0.83) | 166(1.19) |  | TAG | 244(0.65) | 136(0.47) | |
|  | CTT | 187(1.02) | 121(0.87) | His | CAT | 170(1.42) | 199(1.57) | |
|  | CTC | 107(0.58) | 81(0.58) |  | CAC | 70(0.58) | 54(0.43) | |
|  | CTA | 186(1.01) | 95(0.68) | Gln | CAA | 167(1.36) | 118(1.53) | |
|  | CTG | 79(0.43) | 43(0.31) |  | CAG | 79(0.64) | 36(0.47) | |
| Ile | ATT | 523(1.26) | 423(1.18) | Asn | AAT | 469(1.35) | 439(1.32) | |
|  | ATC | 236(0.57) | 247(0.69) |  | AAC | 228(0.65) | 228(0.68) | |
|  | ATA | 483(1.17) | 406(1.13) | Lys | AAA | 588(1.43) | 495(1.5) | |
| Met | ATG | 142(1) | 150(1) |  | AAG | 232(0.57) | 165(0.5) | |
| Val | GTT | 195(1.54) | 177(1.5) | Asp | GAT | 174(1.5) | 140(1.72) | |
|  | GTC | 72(0.57) | 55(0.47) |  | GAC | 58(0.5) | 23(0.28) | |
|  | GTA | 173(1.37) | 184(1.56) | Glu | GAA | 164(1.43) | 199(1.67) | |
|  | GTG | 66(0.52) | 57(0.48) |  | GAG | 66(0.57) | 40(0.33) | |
| Ser | TCT | 248(1.56) | 254(1.55) | Cys | TGT | 244(1.32) | 172(1.22) | |
|  | TCC | 122(0.77) | 146(0.89) |  | TGC | 127(0.68) | 110(0.78) | |
|  | TCA | 162(1.02) | 130(0.79) | TER | TGA | 238(0.63) | 169(0.58) | |
|  | TCG | 30(0.19) | 13(0.08) | Trp | TGG | 109(1) | 64(1) | |
| Pro | CCT | 142(1.65) | 61(1.49) | Arg | CGT | 34(0.36) | 29(0.37) | |
|  | CCC | 73(0.85) | 47(1.15) |  | CGC | 20(0.21) | 26(0.33) | |
|  | CCA | 104(1.21) | 40(0.98) |  | CGA | 24(0.25) | 21(0.27) | |
|  | CCG | 25(0.29) | 16(0.39) |  | CGG | 19(0.2) | 13(0.17) | |
| Thr | ACT | 220(1.54) | 239(1.57) | Ser | AGT | 214(1.34) | 247(1.51) | |
|  | ACC | 157(1.1) | 204(1.34) |  | AGC | 179(1.12) | 193(1.18) | |
|  | ACA | 154(1.08) | 139(0.91) | Arg | AGA | 295(3.13) | 238(3.04) | |
|  | ACG | 39(0.27) | 26(0.17) |  | AGG | 174(1.84) | 142(1.82) | |
| Ala | GCT | 90(1.58) | 88(1.9) | Gly | GGT | 77(1.27) | 86(1.52) | |
|  | GCC | 37(0.65) | 23(0.5) |  | GGC | 38(0.63) | 21(0.37) | |
|  | GCA | 87(1.53) | 69(1.49) |  | GGA | 74(1.22) | 73(1.29) | |
|  | GCG | 14(0.25) | 5(0.11) |  | GGG | 53(0.88) | 46(0.81) | |

N: number of occurrence of the codon. RSCU: relative synonymous codon usage.