

| <i>Xylella fastidiosa</i> Random codon usage | <i>Xanthomonas axonopodis</i> pv. <i>citri</i> Evident selection of optimal codons |
|---|---|
| <i>Leucine</i> | <i>Leucine</i> |
| UUA (Very risky): 298 | UUA (Very risky): 8 |
| UUG (Risky): 280 | UUG (Risky): 871 |
| CUA (Safe): 660 | CUA (Safe): 40 |
| CUG (Safe): 1665 | CUG (Safe): 6730 |
| CUC (Very safe): 1511 | CUC (Very safe): 1099 |
| CUU (Very safe): 318 | CUU (Very safe): 117 |
| <i>Serine</i> | <i>Serine</i> |
| UCA (Very risky): 310 | UCA (Very risky): 26 |
| UCG (Risky): 125 | UCG (Risky): 1834 |
| UCU (Safe): 92 | UCU (Safe): 59 |
| AGU (Safe): 86 | AGU (Safe): 104 |
| AGC (Safe): 1048 | AGC (Safe): 1868 |
| <i>Arginine</i> | <i>Arginine</i> |
| CGA (Risky): 154 | CGA (Risky): 21 |
| AGA (Risky): 75 | AGA (Risky): 4 |
| CGU (Safe): 492 | CGU (Safe): 899 |
| CGC (Safe): 1731 | CGC (Safe): 4080 |
| CGG (Safe): 168 | CGG (Safe): 308 |
| AGG (Safe): 25 | AGG (Safe): 22 |
| <i>Glycine</i> | <i>Glycine</i> |
| GGA (Risky): 398 | GGA (Risky): 73 |
| GGU (Safe): 322 | GGU (Safe): 983 |
| GGC (Safe): 2260 | GGC (Safe): 6784 |
| GGG (Safe): 115 | GGG (Safe): 374 |