|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Enzyme class** | **Class function** | **Most common enzyme family (number of genes)** | **Number of viral genes** | | |
| **Total** | **With conserved domains** | **On high-quality viral genomes** |
| GlycosylTransferase | Catalyses the transfer of sugar moieties to form glycosidic bonds | GT4 (6) | 17 | 15 | 2 |
| Glycoside Hydrolase | Catalyses the hydrolysis of glycosidic bonds | GH33 (3) | 13 | 12 | 1 |
| Carbohydrate Esterase | Catalyses the de-acetylation of substituted saccharides | CE4 (4) | 7 | 7 | 0 |
| Carbohydrate-binding molecule | Non-catalytic proteins appended to carbohydrate-active enzymes | CBM66 (4) | 6 | 2 | 1 |