**Table S1. GenBank accession number of each segment of 15 CPV strains.**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Segments  Strains | S1 | S2 | S3 | S4 | S5 | S6 | S7 | S8 | S9 | S10 |
| BmCPV1-I | AF323781 | AF323782 | AF323783 | AF323784 | AB035732 | AB030014 | AB030015 | AB016436 | AF061199 | M19112 |
| BmCPV1-SZ | GU323605 | GQ924586 | GQ924587 | GU323606 | GQ294468 | GQ294469 | GQ150538 | GQ150539 | GQ924588 | GQ924589 |
| BmCPV1-YN | KR704197 | KR704195 | KR704198 | KR704199 | KR704200 | KR704201 | KR815454 | KR704202 | KR704203 | KR704196 |
| DpCPV1 | AY163247 | AY147187 | AY167578 | AF542082 | AY163248 | AY163249 | AY211091 | AY211092 | AY211093 | AY211094 |
| LdCPV1 | NC\_003016 | NC\_003017 | NC\_003018 | NC\_003019 | NC\_003020 | NC\_003021 | NC\_003022 | NC\_003023 | NC\_003024 | NC\_003025 |
| IiCPV2 | NC\_023491 | NC\_023486 | NC\_023492 | NC\_023487 | NC\_023488 | NC\_023493 | NC\_023489 | NC\_023494 | NC\_023490 | NC\_023495 |
| HaCPV5-C | NC\_010670 | NC\_010669 | NC\_010668 | NC\_010667 | NC\_010666 | NC\_010665 | NC\_010662 | NC\_010664 | NC\_010663 | NC\_010661 |
| OpCPV5 | KC588356 | KC588357 | KC588358 | KC588359 | KC588360 | KC588361 | KC588362 | KC588363 | KC588364 | KC588365 |
| TpCPV5 | KP217033 | KP217034 | KP217035 | KP217036 | KP217037 | KP217038 | KP217039 | KP217040 | KP217041 | KP217042 |
| HaCPV14 | DQ242048 | DQ388474 | DQ388475 | DQ388476 | DQ388477 | DQ017080 | DQ010326 | DQ010325 | DQ010324 | DQ010323 |
| LdCPV14 | AF389452 | AF389453 | AF389454 | AF389455 | AF389456 | AF389457 | AF389458 | AF389459 | AF389460 | AF389461 |
| TaCPV14 | MF161423 | MF161424 | MF161425 | MF161426 | MF161432 | MF161427 | MF161428 | MF161429 | MF161430 | MF161431 |
| TnCPV15 | NC\_002557 | NC\_002558 | NC\_002559 | NC\_002567 | NC\_002560 | NC\_002561 | NC\_002562 | NC\_002563 | NC\_002564 | NC\_002565 |
| DpCPV22 | KJ191104 | KJ191105 | KJ191106 | KJ191107 | KJ191108 | KJ191109 | KJ191110 | KJ191111 | KJ191112 | KJ191113 |
| DnCPV-NC | NC\_040440 | KX509952 | NC\_040447 | NC\_040444 | NC\_040445 | NC\_040443 | NC\_040446 | NC\_040442 | NC\_040441 | KX509951 |