

anti-toxin system HicB-like (CDS\_0047)  
anti-termination protein Q-like (CDS\_0046)  
HNH endonuclease (CDS\_0045) Rz-like spanin (CDS\_0050)  
endolysin (CDS\_0049) holin (CDS\_0048) terminase small subunit (CDS\_0055) portal protein (CDS\_0002) head morphogenesis (CDS\_0003) head maturation protease (CDS\_0004)

TemPhD\_cluster\_22666: 34,810-40,324 (+); 1-5,213 (+)

anti-termination protein Q-like (CDS\_0045) Rz-like spanin (CDS\_0049)

TemPhD\_cluster\_29877: 34,979-40,576 (+); 1-5,213 (+)

TemPhD\_cluster\_27072: 39,489-46,961 (+); 1-5,213 (+)

TemPhD\_cluster\_8696: 27,841-34,435 (+); 1-5,213 (+)

TemPhD\_cluster\_42121: 34,837-40,545 (+); 1-5,213 (+)

anti-termination protein Q-like (CDS\_0045)  
MTase\_II\_00164 Type (CDS\_0046) 47

TemPhD\_cluster\_24500: 33,887-41,676 (+); 1-5,213 (+)

TemPhD\_cluster\_60317: 39,628-44,108 (+); 1-3,140 (+)

TemPhD\_cluster\_63047: 27,962-32,320 (+); 1-3,140 (+)

TemPhD\_cluster\_25957: 34,830-39,829 (+); 1-3,140 (+)

TemPhD\_cluster\_36689: 35,251-39,609 (+); 1-3,140 (+)

TemPhD\_cluster\_31943: 38,677-44,084 (+); 1-3,140 (+)

TemPhD\_cluster\_37737: 29,091-34,085 (+); 1-3,140 (+)

TemPhD\_cluster\_29801: 35,370-40,777 (+); 1-3,140 (+)

IMGVR\_UVIG\_2870449401\_000003|2870449401|2870449401|1962707-2017121: 49,421-54,413 (+)

TemPhD\_cluster\_36795: 35,266-39,360 (+); 1-3,140 (+)

endolysin (CDS\_0048)

TemPhD\_cluster\_49243: 38,409-42,547 (+); 1-3,140 (+)

anti-termination protein Q-like (CDS\_0048)

TemPhD\_cluster\_60544: 36,466-43,143 (+); 1-3,140 (+)

58 Rz-like spanin (CDS\_0059) head maturation protease

TemPhD\_cluster\_27145: 40,059-44,929 (+); 1-3,870 (+)

TemPhD\_cluster\_61371: 34,434-38,776 (+); 1-3,870 (+)

54 Rz-like spanin (CDS\_0057)

TemPhD\_cluster\_47993: 42,772-46,768 (+); 1-3,870 (+)

58 59

TemPhD\_cluster\_41155: 39,423-43,847 (+); 1-3,870 (+)

Rz-like spanin (CDS\_0050)

TemPhD\_cluster\_36792: 35,059-39,362 (+); 1-3,870 (+)

53 56 Rz-like spanin (CDS\_0057)

TemPhD\_cluster\_48406: 39,526-45,202 (+); 1-3,870 (+)

anti-repressor Ant (CDS\_0055) 61

TemPhD\_cluster\_40569: 40,396-46,096 (+); 1-3,870 (+)

62

TemPhD\_cluster\_21609: 40,767-45,720 (+); 1-5,213 (+)

PDC-S45\_WP\_022347781.1 (CDS\_0060)

TemPhD\_cluster\_18378: 41,154-47,299 (+); 1-5,213 (+)

terminase small subunit (CDS\_0058) 59 minor head protein (CDS\_0005)

TemPhD\_cluster\_48495: 40,760-44,675 (+); 1-5,625 (+)

49 50

TemPhD\_cluster\_50129: 35,391-39,718 (+); 1-3,870 (+)

endolysin (CDS\_0057) 59

TemPhD\_cluster\_59757: 41,511-46,217 (+); 1-3,870 (+)

55 56 endolysin (CDS\_0058)

TemPhD\_cluster\_41230: 38,656-43,440 (+); 1-3,870 (+)

MokW-like host killing (CDS\_0050)

49 51 52

TemPhD\_cluster\_31881: 38,757-44,683 (+); 1-3,140 (+)

Mok\_Hok\_Sok\_Hok (CDS\_0039) 46 Rz-like spanin (CDS\_0047)

TemPhD\_cluster\_42973: 32,059-38,219 (+); 1-3,870 (+)

45 51

TemPhD\_cluster\_36544: 34,130-40,138 (+); 1-3,140 (+)

terminase small subunit (CDS\_0067) terminase large subunit (CDS\_0001)

TemPhD\_cluster\_39631: 47,498-51,786 (+); 1-4,937 (+)

5000 nt

DNA, RNA and nucleotide metabolism head and packaging lysis moron, auxiliary metabolic gene and host takeover transcription regulation unknown function defence (DefenseFinder)

defence (PADLOC)