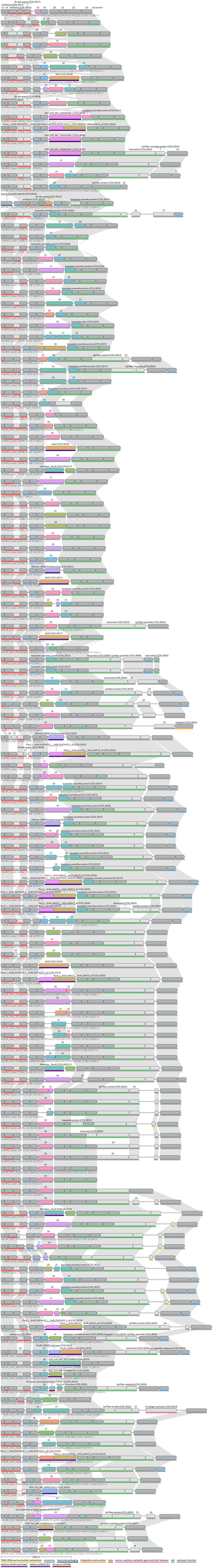

Rz-like spanin (CDS_0017)
endolysin (CDS_0015)
13 14 endolysin (CDS_0016) 18 19 20 21 22 23 tail protein
IMGVR_UViG_637000253_000006|637000253|637000205|4450721-4492220: 12,301-17,482 (+)
12 16 18 19
TemPhD_cluster_51869: 11,642-17,283 (+)
15 18 20
TemPhD_cluster_62339: 12,446-18,670 (+)
19
TemPhD_cluster_37705_: 11,981-18,205 (+)
18
TemPhD_cluster_43585: 12,562-18,291 (+)
19 20 21
IMGVR_UViG_2687453150_000001|2687453150|2687453562|1111022-1159635: 12,359-19,215 (+)
17 AbiU (CDS_0018)
IMGVR_UViG_2563367008_000010|2563367008|2563401857|42000-79067: 9,984-16,989 (+)
19 20 21
IMGVR_UViG_2880319907_000001|2880319907|2880319907|1192897-1239396: 10,715-16,758 (+)
Rz-like spanin (CDS_0018)
endolysin (CDS_0017) 21
TemPhD_cluster_43541: 12,509-18,736 (+)
baseplate assembly protein (CDS_0019)
PDC-S49_WP_158683048.1 (CDS_0018)
TemPhD_cluster_37616_: 11,170-18,221 (+)
Paris_I__AriB_DUF4435_I__AriB_DUF4435_I_ali (CDS_0023) Paris_I__AriA_AAA15__AriA_AAA15_ali (CDS_0024)
TemPhD_cluster_37396_: 12,566-19,909 (+)
PDC-S49_WP_158683048.1 (CDS_0018)
TemPhD_cluster_37615_: 11,170-18,221 (+)
PDC-S49_WP_158683048.1 (CDS_0019) tail fiber assembly protein (CDS_0025)
tail protein (CDS_0024) 26
TemPhD_cluster_62801_: 11,121-21,768 (+)
17
TemPhD_cluster_44240: 9,455-19,703 (+)
19 20 27
TemPhD_cluster_22006: 12,558-22,780 (+)
20 tail fiber protein (CDS_0024) 25
IMGVR_UViG_2744055230_000001|2744055230|2744123813|135170-177112: 13,817-21,028 (+)
terminase small subunit (CDS_0010)
Rz-like spanin (CDS_0016)
endolysin (CDS_0015) baseplate assembly protein (CDS_0019)
IMGVR_UViG_2751185233_000002|2751185233|2751187419|91465-131522: 11,269-17,660 (+)
baseplate assembly protein (CDS_0020) 26 27
TemPhD_cluster_62635_: 12,431-22,806 (+)
19 20
TemPhD_cluster_51492: 11,354-18,000 (+)
19
TemPhD_cluster_51898: 11,355-16,326 (+)
baseplate assembly protein (CDS_0020)
TemPhD_cluster_37818_: 12,116-16,489 (+)
19 20
TemPhD_cluster_62534: 12,134-17,594 (+)
17 baseplate assembly protein (CDS_0018)
TemPhD_cluster_43659: 11,389-17,458 (+)
19 20
TemPhD_cluster_17027: 11,706-17,707 (+)
21 baseplate assembly protein (CDS_0022)
TemPhD_cluster_43432: 12,977-18,871 (+)
20 21
TemPhD_cluster_51194: 12,566-19,215 (+)
20 21
TemPhD_cluster_43247: 13,615-19,163 (+)
20 baseplate spike (CDS_0021)
TemPhD_cluster_43634: 11,761-18,206 (+)
20 21 22
TemPhD_cluster_62479: 11,761-18,207 (+)
17 18 baseplate assembly protein (CDS_0019)
TemPhD_cluster_28231: 11,376-17,573 (+)
19 20 tail fiber protein (CDS_0024) 25
TemPhD_cluster_43727: 12,980-22,112 (+)
16 baseplate assembly protein (CDS_0017) tail fiber assembly (CDS_0022)
TemPhD_cluster_63094_: 9,761-19,773 (+)
18 19
TemPhD_cluster_62330: 11,547-17,820 (+)
16 baseplate assembly protein (CDS_0017)
TemPhD_cluster_38156: 10,025-15,192 (+)
16 18
TemPhD_cluster_52339: 9,621-14,219 (+)
20
TemPhD_cluster_51882: 11,585-16,508 (+)
18
IMGVR_UViG_2579778581_000002|2579778581|2579787543: 11,308-16,763 (+)
18
TemPhD_cluster_62294: 11,446-17,282 (+)
AbiU (CDS_0020)
TemPhD_cluster_30448: 11,445-18,243 (+)
18
TemPhD_cluster_30449: 11,368-17,813 (+)
Menshen__NsnA (CDS_0018) 19
TemPhD_cluster_11090: 10,170-16,905 (+)
17
TemPhD_cluster_62304: 11,377-17,446 (+)
20
uvig_451923: 11,768-17,166 (+)
21
TemPhD_cluster_43630: 12,764-18,597 (+)
19
TemPhD_cluster_62488: 11,205-17,395 (+)
18
TemPhD_cluster_62645_: 11,197-17,412 (+)
18
TemPhD_cluster_8550: 11,364-17,264 (+)
20
TemPhD_cluster_62337: 12,631-18,574 (+)
18
TemPhD_cluster_37758_: 11,364-17,059 (+)
Effector_00083 Endonuclease (CDS_0021)
TemPhD_cluster_33493: 12,376-18,366 (+)
AbiU (CDS_0021)
TemPhD_cluster_43396: 13,178-19,600 (+)
22 baseplate assembly protein (CDS_0023)
TemPhD_cluster_37469_: 12,995-18,889 (+)
23 24 25
TemPhD_cluster_19009: 12,871-18,706 (+)
20 21
TemPhD_cluster_51408: 12,482-18,318 (+)
20 tail protein (CDS_0025) tail fiber assembly (CDS_0026)
IMGVR_UViG_2767802185_000001|2767802185|2767829598: 12,746-22,297 (+)
AbiU (CDS_0017)
TemPhD_cluster_62614_: 11,386-17,210 (+)
20 21
IMGVR_UViG_2747842850_000004|2747842850|2747868971|112773-147436: 12,514-17,504 (+)
baseplate assembly protein (CDS_0013) tail protein (CDS_0009) tail fiber assembly (CDS_0008) tail protein (CDS_0005)
TemPhD_cluster_63537: 4,909-13,934 (-)
baseplate assembly protein (CDS_0019)
TemPhD_cluster_30693: 10,772-19,797 (+)
19 tail protein (CDS_0024) 25
TemPhD_cluster_13795: 11,243-20,733 (+)
20 21 tail fiber protein (CDS_0025) 27
TemPhD_cluster_20647: 12,492-22,854 (+)
18 19 25
TemPhD_cluster_43683: 12,212-22,924 (+)
18
TemPhD_cluster_19985: 10,636-21,128 (+)
18 25 integrase (CDS_0026)
TemPhD_cluster_52824: 12,152-23,082 (+)
16 17 Effector_00083 Endonuclease (CDS_0022)
TemPhD_cluster_62329: 13,571-23,353 (+)
Paris_I__AriB_DUF4435_I__AriB_DUF4435_I_ali (CDS_0021)
Rz-like spanin (CDS_0018)
17 Paris_I__AriA_AAA15__AriA_AAA15_ali (CDS_0022)
TemPhD_cluster_62782_: 11,424-22,363 (+)
17
TemPhD_cluster_5384: 10,247-19,552 (+)
18 19
TemPhD_cluster_15742: 10,757-20,393 (+)
18 baseplate assembly protein (CDS_0019)
IMGVR_UViG_2636415871_000001|2636415871|2636477393: 11,025-21,099 (+)
20 baseplate assembly protein (CDS_0021)
TemPhD_cluster_37971: 11,635-21,462 (+)
19 baseplate assembly protein (CDS_0020)
TemPhD_cluster_51046: 12,482-23,048 (+)
Effector_00083 Endonuclease (CDS_0020) baseplate assembly protein (CDS_0021)
TemPhD_cluster_62918_: 11,656-21,767 (+)
19 20 baseplate assembly protein (CDS_0021)
TemPhD_cluster_33673: 11,214-21,170 (+)
20 21
TemPhD_cluster_16652: 12,631-22,588 (+)
19 20 baseplate assembly protein (CDS_0021)
TemPhD_cluster_62032: 12,482-22,941 (+)
18 baseplate assembly protein (CDS_0019)
TemPhD_cluster_63066_: 11,522-21,477 (+)
Paris_I__AriA_AAA15__AriA_AAA15_ali (CDS_0018)
Paris_I__AriB_DUF4435_I__AriB_DUF4435_I_ali (CDS_0017) baseplate assembly protein (CDS_0019)
TemPhD_cluster_62954_: 9,688-20,944 (+)
Paris_I__AriA_AAA15__AriA_AAA15_ali (CDS_0020)
Paris_I__AriB_DUF4435_I__AriB_DUF4435_I_ali (CDS_0019) baseplate assembly protein (CDS_0021)
TemPhD_cluster_26289: 12,502-23,382 (+)
Paris_I__AriA_AAA15__AriA_AAA15_ali (CDS_0020)
Paris_I__AriB_DUF4435_I__AriB_DUF4435_I_ali (CDS_0019) baseplate assembly protein (CDS_0021) tail protein (CDS_0025)
tail fiber protein (CDS_0026)
TemPhD_cluster_62878_: 11,635-22,515 (+)
17 18 19
IMGVR_UViG_2630968709_000002|2630968709|2631015667|42824-75150: 10,818-21,099 (+)
18
TemPhD_cluster_51983: 11,508-20,999 (+)
19
TemPhD_cluster_10771: 12,696-22,125 (+)
14 18
TemPhD_cluster_28316: 11,383-20,875 (+)
AbiU (CDS_0018)
TemPhD_cluster_12692: 12,609-22,627 (+)
Paris_I__AriB_DUF4435_I__AriB_DUF4435_I_ali (CDS_0019)
Paris_I__AriA_AAA15__AriA_AAA15_ali (CDS_0020)
TemPhD_cluster_43870: 11,631-21,986 (+)
20 21
IMGVR_UViG_2558860459_000004|2558860459|2558891406|72306-106582: 12,788-22,828 (+)
20
TemPhD_cluster_20655: 12,788-22,829 (+)
21 22
IMGVR_UViG_2571042415_000004|2571042415|2571112141|72965-107239: 12,789-22,827 (+)
21
IMGVR_UViG_2706794517_000002|2706794517|2706804756|72334-106607: 12,787-22,825 (+)
21 22
IMGVR_UViG_2579778526_000002|2579778526|2579781380|72971-107245: 12,787-22,826 (+)
20
IMGVR_UViG_2603879885_000006|2603879885|2603893439|42863-80023: 12,788-22,827 (+)
20 21
IMGVR_UViG_2558860460_000004|2558860460|2558891485|72292-106568: 12,788-22,828 (+)
Menshen__NsnA (CDS_0020) 21
TemPhD_cluster_51781: 12,180-22,511 (+)
20 22
TemPhD_cluster_16423: 12,788-23,354 (+)
18 19 tail fiber protein (CDS_0024) 25
TemPhD_cluster_51904: 12,167-22,413 (+)
18
TemPhD_cluster_63348_: 12,152-22,406 (+)
18
TemPhD_cluster_13777: 12,167-22,420 (+)
18 baseplate protein (CDS_0021)
TemPhD_cluster_62691_: 12,152-22,238 (+)
18 tail protein (CDS_0022) 23
TemPhD_cluster_525: 12,152-22,406 (+)
18 23
TemPhD_cluster_534: 12,152-22,406 (+)
18
TemPhD_cluster_51665: 12,152-22,373 (+)
34
IMGVR_UViG_2541047660_000001|2541047660|2541162160|56490-92012: 26,591-32,051 (-)
18
TemPhD_cluster_3043: 12,152-17,612 (+)
18 24
TemPhD_cluster_28340: 12,167-20,838 (+)
18
TemPhD_cluster_14220: 12,152-22,405 (+)
Menshen__NsnA (CDS_0019) 20
TemPhD_cluster_37707_: 10,691-22,177 (+)
18
TemPhD_cluster_24935: 11,482-22,682 (+)
15 18
IMGVR_UViG_2541047659_000003|2541047659|2541162107|56640-92160: 11,945-22,404 (+)
17 18
TemPhD_cluster_3080: 11,945-22,406 (+)
20
TemPhD_cluster_30462: 12,520-22,457 (+)
20 21 baseplate assembly protein (CDS_0022)
TemPhD_cluster_43654: 12,042-23,154 (+)
18 19
TemPhD_cluster_20663: 11,518-22,798 (+)
20 baseplate assembly protein (CDS_0021)
TemPhD_cluster_30519: 12,495-23,611 (+)
17 baseplate assembly protein (CDS_0018)
TemPhD_cluster_43840: 11,392-22,736 (+)
18 19 20
TemPhD_cluster_19017: 12,152-22,932 (+)
Paris_I__AriB_DUF4435_I__AriB_DUF4435_I_ali (CDS_0019)
Paris_I__AriA_AAA15__AriA_AAA15_ali (CDS_0020) tail fiber protein (CDS_0025) 26
TemPhD_cluster_51381: 11,712-23,719 (+)
endolysin (CDS_0015) 18 19 baseplate assembly protein (CDS_0020) tail protein (CDS_0024) tail fiber assembly (CDS_0025)
IMGVR_UViG_3300013921_000018|3300013921|Ga0121431_100065|203-32950: 12,489-22,044 (+)
PtuB1_00010 Unknown (CDS_0018)
14 17 PtuA1_00004 AAA (CDS_0019) tail protein (CDS_0024) tail assembly chaperone (CDS_0025)
IMGVR_UViG_3300031415_000137|3300031415|Ga0308172_1000079|111814-145612: 11,076-21,822 (+)
18 PDC-S49_WP_081616400.1 (CDS_0019)
IMGVR_UViG_2645727744_000001|2645727744|2645750559|84619-118584: 10,837-17,287 (+)
19 PDC-S31_WP_151888418.1 (CDS_0020)
IMGVR_UViG_2576861786_000002|2576861786|2576923841|10237-44890: 12,511-17,933 (+)
Virulence-associated proteins (VF0679) (CDS_0019)
18 toxin of TA system (CDS_0020)
IMGVR_UViG_3300013932_000005|3300013932|Ga0122026_100040|10669-42357: 11,937-21,492 (+)
17 18
TemPhD_cluster_62190: 11,798-16,924 (+)
16 17 tail fiber assembly (CDS_0026)
IMGVR_UViG_2927986592_000004|2927986592|2927986593|2447422-2483612: 11,362-23,086 (+)
18 19
TemPhD_cluster_63403_: 11,246-20,159 (+)
17
IMGVR_UViG_3300027766_000009|3300027766|Ga0209796_10000388: 10,936-19,669 (+)
18 tail fiber protein (CDS_0022) 23 O-antigen acetylase (CDS_0024)
IMGVR_UViG_3300003856_000007|3300003856|Ga0058692_1000223: 10,449-19,279 (+)
Paris_I__AriB_DUF4435_I__AriB_DUF4435_I_ali (CDS_0020)
Paris_I__AriA_AAA15__AriA_AAA15_ali (CDS_0021)
IMGVR_UViG_3300012999_000019|3300012999|Ga0157363_1000347: 12,139-22,137 (+)
18
IMGVR_UViG_3300027312_000059|3300027312|Ga0209371_1000600: 10,449-19,807 (+)
18
IMGVR_UViG_3300003838_000149|3300003838|Ga0058691_1000192|10775-42379: 11,020-20,127 (+)
PDC-S15_WP_009831833.1 (CDS_0020)
TemPhD_cluster_63290_: 11,846-20,666 (+)
18 19
IMGVR_UViG_3300027312_000180|3300027312|Ga0209371_1000462|5291-39941: 11,975-17,932 (+)
tail completion or Neck1 protein (CDS_0018)
19 tail fiber protein (CDS_0024) 25 26
IMGVR_UViG_3300048927_000158|3300048927|Ga0496124_0001731: 12,526-22,732 (+)
PDC-S31_WP_063883643.1 (CDS_0021) tail fiber assembly protein (CDS_0027)
IMGVR_UViG_3300011471_000006|3300011471|Ga0121060_100004|463370-496013: 13,839-22,066 (+)
19
SAMN01774323_a1_ct179: 14,184-22,562 (+)
20 21 28
IMGVR_UViG_3300014673_000014|3300014673|Ga0121382_100067|160-31605: 11,743-20,956 (+)
4000 nt
DNA, RNA and nucleotide metabolism
connector
head and packaging
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
tail
unknown function
defence (DefenseFinder)
defence (PADLOC)
virulence (VFDB)