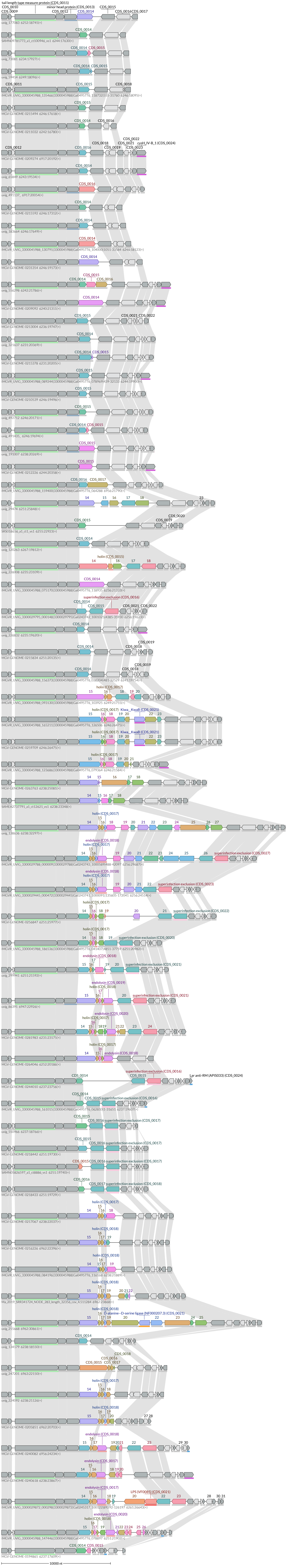
tail length tape measure protein (CDS_0011)
CDS_0010
minor head protein (CDS_0013)
CDS_0015
CDS_0009
CDS_0012
CDS_0014
CDS_0016
CDS_0017
uvig_177083 6252:18745(+)
CDS_0014
SAMN09781773_a1_ct100946_vs1 6244:17630(+)
CDS_0014 CDS_0015
uvig_73081 6234:17927(+)
CDS_0014 CDS_0015
uvig_59414 6249:18096(+)
CDS_0011
CDS_0015
CDS_0018
IMGVR_UViG_3300045988_135466|3300045988|Ga0495776_118732|555-31760 6246:18095(+)
CDS_0015
MGV-GENOME-0215494 6246:17618(+)
CDS_0014
CDS_0016
MGV-GENOME-0211032 6242:16780(+)
CDS_0022
CDS_0018
CDS_0021
cysH_IV-B_1 (CDS_0024)
CDS_0012
CDS_0016
CDS_0019
CDS_0023
MGV-GENOME-0209274 6917:20192(+)
CDS_0014
uvig_65849 6243:19534(+)
CDS_0016
uvig_491137_ 6917:20054(+)
CDS_0014
MGV-GENOME-0215592 6246:17312(+)
CDS_0014
uvig_183664 6246:17649(+)
CDS_0014
IMGVR_UViG_3300045988_130791|3300045988|Ga0495776_104000|1051-33584 6246:18123(+)
CDS_0014
MGV-GENOME-0231354 6246:19173(+)
CDS_0015
CDS_0014
CDS_0016
uvig_556298 6242:21786(+)
CDS_0014
MGV-GENOME-0209092 6240:21311(+)
CDS_0015
CDS_0021 CDS_0022
MGV-GENOME-0213004 6236:19747(+)
CDS_0014
uvig_321637 6231:20369(+)
CDS_0014 CDS_0015
MGV-GENOME-0215378 6231:20205(+)
CDS_0015
IMGVR_UViG_3300045988_089244|3300045988|Ga0495776_078969|439-32133 6244:19900(+)
CDS_0015
MGV-GENOME-0210539 6246:19496(+)
CDS_0015
uvig_492712 6246:20171(+)
CDS_0014 CDS_0015
uvig_491435_ 6246:19694(+)
CDS_0015
uvig_191007 6238:20269(+)
CDS_0015
MGV-GENOME-0212226 6244:20358(+)
CDS_0016 CDS_0017
IMGVR_UViG_3300045988_159400|3300045988|Ga0495776_064288 6956:21790(+)
14 15 16 17 18 23
uvig_29474 6251:25848(+)
CDS_0020
CDS_0015
CDS_0019
SRS018656_a1_ct1_vs1 6255:22923(+)
CDS_0014
uvig_120263 6267:19812(+)
holin (CDS_0015)
14 16 17 18
uvig_226008 6235:23109(+)
CDS_0014
IMGVR_UViG_3300045988_075170|3300045988|Ga0495776_118935 6236:21333(+)
superinfection exclusion (CDS_0016)
CDS_0014
CDS_0015
CDS_0021 CDS_0022
IMGVR_UViG_3300029795_000148|3300029795|Ga0243742_1001025|4385-35930 6256:19623(+)
CDS_0014
uvig_226832 6235:19620(+)
CDS_0019
CDS_0014
CDS_0018
MGV-GENOME-0215834 6251:20135(+)
CDS_0019
CDS_0014
CDS_0018
IMGVR_UViG_3300045988_156373|3300045988|Ga0495776_038204|481-32529 6241:19754(+)
holin (CDS_0017)
15 16 18 19 20
IMGVR_UViG_3300045988_093130|3300045988|Ga0495776_103925 6249:21755(+)
holin (CDS_0017) Kiwa_KwaB (CDS_0021)
15 16 18 19 20 22 23
IMGVR_UViG_3300045988_165211|3300045988|Ga0495776_126506 6246:26475(+)
holin (CDS_0017) Kiwa_KwaB (CDS_0021)
15 16 18 19 20 22 23
MGV-GENOME-0259709 6246:26475(+)
holin (CDS_0017)
15 16 18 19 20 21
IMGVR_UViG_3300045988_123686|3300045988|Ga0495776_079364 6246:21584(+)
14 15 16 17 18
MGV-GENOME-0263763 6238:25081(+)
14 15 16 17 18
SAMEA2737791_a1_ct12621_vs1 6238:23348(+)
holin (CDS_0017)
14 15 16 18 19 20 21 22 23 24 25 26 27
uvig_138636 6238:32297(+)
endolysin (CDS_0018)
holin (CDS_0017)
14 15 16 19 20 21 22 23 24 25 26
superinfection exclusion (CDS_0027)
IMGVR_UViG_3300029788_000009|3300029788|Ga0243743_1000589|488-42097 6256:29687(+)
endolysin (CDS_0018)
holin (CDS_0017)
14 15 16 19 20 21 22
superinfection exclusion (CDS_0023)
IMGVR_UViG_3300029445_000472|3300029445|Ga0243741_1000091|135605-172041 6256:24514(+)
holin (CDS_0017)
14 15 16 18 19 20 21
superinfection exclusion (CDS_0022)
MGV-GENOME-0256847 6251:25977(+)
holin (CDS_0017)
14 15 16 18 19
superinfection exclusion (CDS_0020)
IMGVR_UViG_3300045988_186536|3300045988|Ga0495776_041407|4851-37759 6251:20982(+)
endolysin (CDS_0018)
15 16 17 19 20
superinfection exclusion (CDS_0021)
uvig_299941 6251:21592(+)
endolysin (CDS_0019)
holin (CDS_0018)
15 16 17 20
superinfection exclusion (CDS_0021)
uvig_86391 6947:22926(+)
endolysin (CDS_0020)
holin (CDS_0017)
14 15 16 18 19 20 21 22 23 24
MGV-GENOME-0281983 6231:23175(+)
holin (CDS_0017)
14 15 16
endolysin (CDS_0018)
MGV-GENOME-0264046 6252:20186(+)
superinfection exclusion (CDS_0016)
CDS_0014
CDS_0015
Lar anti-RM (APIS033) (CDS_0024)
MGV-GENOME-0244010 6237:23756(+)
CDS_0014
CDS_0015 superinfection exclusion (CDS_0016)
IMGVR_UViG_3300045988_161015|3300045988|Ga0495776_062810|1-31651 6237:19607(+)
CDS_0015
CDS_0016 superinfection exclusion (CDS_0017)
uvig_550966 6237:18766(+)
CDS_0015
CDS_0016 superinfection exclusion (CDS_0017)
MGV-GENOME-0218442 6251:19730(+)
CDS_0015 CDS_0016 superinfection exclusion (CDS_0017)
SAMN05826597_a1_ct8886_vs1 6251:19740(+)
CDS_0016
CDS_0017 superinfection exclusion (CDS_0018)
MGV-GENOME-0218433 6251:19729(+)
holin (CDS_0017)
14 15 16 18
MGV-GENOME-0217067 6238:22037(+)
holin (CDS_0018)
15 16 17 19
MGV-GENOME-0216226 6962:22396(+)
holin (CDS_0018)
14 15 16 17 19
IMGVR_UViG_3300045988_084196|3300045988|Ga0495776_116168 6238:21889(+)
holin (CDS_0018)
15 16 17 19 20 21 22
Ma_2019_SRR341724_NODE_283_length_32356_cov_4.511284 6962:23868(+)
holin (CDS_0018)
D-alanine--D-serine ligase (NF000207.3) (CDS_0021)
15 16 17 19 20 22 23 24 25
uvig_255668 6962:30861(+)
CDS_0014
uvig_134179 6238:18550(+)
CDS_0018
CDS_0016
CDS_0015 CDS_0017
uvig_247201 6963:22150(+)
holin (CDS_0017)
14 15 16 18
uvig_224092 6238:21126(+)
holin (CDS_0018)
15 16 17 19 20 27 28
MGV-GENOME-0205851 6962:20703(+)
endolysin (CDS_0018)
15 16 17 19 20 21 22 23 29 30
MGV-GENOME-0240082 6956:24234(+)
endolysin (CDS_0017)
14 15 16 18 19 20
MGV-GENOME-0240618 6238:23867(+)
endolysin (CDS_0017)
LPS (VF0085) (CDS_0021)
14 15 16 18 19 20 22 23 28 30 31
IMGVR_UViG_3300029872_000298|3300029872|Ga0245317_100122|89292-126197 6261:26643(+)
endolysin (CDS_0020)
holin (CDS_0018)
15 16 17 19 20 21 22 23 24 25 26
IMGVR_UViG_3300045988_147446|3300045988|Ga0495776_078897 6251:21902(+)
CDS_0014 CDS_0015
MGV-GENOME-0194865 6237:17609(+)
10000 nt
head and packaging
lysis
moron, auxiliary metabolic gene and host takeover
other
tail
unknown function
Defence
Virulence
Anti-defence
AMR