virion structural protein (CDS_0005)
virion structural protein (CDS_0006)
tail protein (CDS_0008)
virion structural protein (CDS_0020)
tail length tape measure protein (CDS_0021)
7
9
10
11
12
13 14
15
16
17 18
19
22
tail fiber protein (CDS_0023)
24
OTU_1243 4481:25995(+)
11 13
10 12
14
16
15 17
18 19
tail fiber protein (CDS_0025)
OTU_1402 4481:26160(+)
CDS_0016
CDS_0015
CDS_0014
CDS_0011 CDS_0013
CDS_0010 CDS_0012
CDS_0017
IMGVR_UViG_3300045988_097995|3300045988|Ga0495776_030052 8145:26064(+)
13
10 11 12 14 15
tail fiber protein (CDS_0020)
IMGVR_UViG_3300045988_086746|3300045988|Ga0495776_015486 4481:25051(+)
13
10 11 12 14 15
MGV-GENOME-0284916 4481:23053(+)
10 11 1213 14 15 16
22
IMGVR_UViG_3300045988_087605|3300045988|Ga0495776_015222 4481:25635(+)
11
10 12 13 14 15
IMGVR_UViG_3300045988_093656|3300045988|Ga0495776_015852 4481:25259(+)
11
10 12 13 14
IMGVR_UViG_3300045988_084976|3300045988|Ga0495776_014068 5468:25362(+)
virion structural protein (CDS_0016)
11
10 12 13 14
virion structural protein (CDS_0017)
22
IMGVR_UViG_3300029886_000011|3300029886|Ga0245330_100413 5468:25951(+)
10 11 12 13 14 15 16
20
tail fiber protein (CDS_0022)
OTU_1253 4481:25885(+)
CDS_0011
CDS_0010 CDS_0012
CDS_0016
tail fiber protein (CDS_0018)
NC_011222.1 4481:24033(+)
12
11
10 13 14 16 17
OTU_1245 4448:18665(+)
CDS_0010 CDS_0012
CDS_0011
MGV-GENOME-0298710 4481:18058(+)
CDS_0010 CDS_0011
MGV-GENOME-0295985 4481:18667(+)
12
11
10 13 14 15 16 18
MGV-GENOME-0302740 5468:20095(+)
10 11 12 13 14 15
virion structural protein (CDS_0019)
IMGVR_UViG_3300045988_097240|3300045988|Ga0495776_058374 4487:19270(+)
11
10 12 13 14 15
uvig_266181 4481:18868(+)
12
11 16
10 13 14 15 17 18 21
MGV-GENOME-0302375 4481:20828(+)
11
10 1213 14 15 17
IMGVR_UViG_3300045988_089319|3300045988|Ga0495776_029655 5468:20508(+)
14
10 11 12 13 15 16
MGV-GENOME-0300101 4481:20258(+)
14
10 11 12 13 15 16
OTU_1313 4481:19697(+)
12
10 11 13 14 15 16 17
MGV-GENOME-0297225 4481:20495(+)
14
11 13
10 12 15 16
NC_016770.1 5469:19916(+)
11 13
10 12 14 15
MGV-GENOME-0289851 4481:18697(+)
10 11 12 13 14 15
IMGVR_UViG_3300029728_000021|3300029728|Ga0245197_100630 4481:20178(+)
12
11 16
10 13 14 15 17 18
uvig_364892 4487:21025(+)
11 13
10 12 14 15
MGV-GENOME-0297321 5468:19818(+)
15
10 11 12 13 14 16 17
IMGVR_UViG_3300029887_000029|3300029887|Ga0245331_1000586 4481:20596(+)
12
10 11 13 14
OTU_1376 4481:18542(+)
11 13
10 12 14 15
OTU_1265 4481:19477(+)
CDS_0010
CDS_0011
uvig_259966 4481:17935(+)
portal protein (CDS_0003)
CDS_0004
CDS_0008
CDS_0009
IMGVR_UViG_3300045988_070259|3300045988|Ga0495776_112226 2381:16293(+)
12
11 16
10 13 14 15 17 18
IMGVR_UViG_3300045988_099925|3300045988|Ga0495776_015264 4481:20186(+)
10 11 12 13 14
OTU_1220 4481:19873(+)
10 11 12 13 14 15
IMGVR_UViG_3300045988_088075|3300045988|Ga0495776_099787 4481:19186(+)
14
10 11 12 13 15 16 18
OTU_1257 4481:19585(+)
10 11 12 13 14 15
22
OTU_1262 4481:19472(+)
11
10 12 13 14 15 16 17 18
22 23
IMGVR_UViG_3300045988_086341|3300045988|Ga0495776_116601 4481:26724(+)
11 15
10 12 13 14 16 17 21
IMGVR_UViG_3300045988_084970|3300045988|Ga0495776_020682 4481:17684(+)
anti-repressor Ant (CDS_0011)
10 12 13 14
MGV-GENOME-0303121 5468:20858(+)
anti-repressor Ant (CDS_0011)
10 12 13 14
IMGVR_UViG_3300028990_000005|3300028990|Ga0169622_100215 5468:20932(+)
anti-repressor (CDS_0011)
10 12 13 14 15
uvig_265317 4481:20054(+)
anti-repressor Ant (CDS_0011)
tail length tape measure protein (CDS_0020)
10 12 13 14 16
tail length tape measure protein (CDS_0021)
uvig_188088 4481:20069(+)
anti-repressor (CDS_0011)
10 12 13 14
IMGVR_UViG_3300045988_096865|3300045988|Ga0495776_015507 4481:20014(+)
virion structural protein (CDS_0006)
virion structural protein (CDS_0005)
virion structural protein (CDS_0008)
virion structural protein (CDS_0007)
12 13 14 15 16 17 19
IMGVR_UViG_3300045988_097185|3300045988|Ga0495776_029677 5070:21373(+)
CDS_0016 CDS_0017 CDS_0018
uvig_575230 7563:18258(+)
CDS_0014
CDS_0013 CDS_0015
uvig_528252 7108:18155(+)
CDS_0015 CDS_0016
uvig_241445 8496:18118(+)
CDS_0014 CDS_0015
uvig_575484 8484:18236(+)
CDS_0011
CDS_0014
CDS_0015
SRR7892429_NODE_68_length_16716_cov_53.005522 7100:16715(+)
tail length tape measure protein (CDS_0013)
CDS_0011
CDS_0014
uvig_7775 7113:13342(+)
Mannose-resistant fimbriae, mrf (VF1232) (CDS_0015)
CDS_0013 CDS_0014
CDS_0016
SRS075878_a1_ct23930_vs1 8259:22092(+)
CDS_0014
CDS_0013 CDS_0015 CDS_0016
uvig_508574 7129:20084(+)
14 15 16 17 18 19
SRS045004_a1_ct33414_vs01 7110:23797(+)
CDS_0015
CDS_0014 CDS_0016 CDS_0017
uvig_104968 7334:20516(+)
CDS_0015
CDS_0014 CDS_0016 CDS_0017
OTU_5208 7680:21700(+)
14 15 16 17 18
SAMN05827184_a1_ct52606_vs1 7106:22730(+)
CDS_0017
CDS_0016 CDS_0018
OTU_5647 8708:19859(+)
CDS_0016
CDS_0014 CDS_0015 CDS_0017
uvig_347348 8410:22633(+)
virion structural protein (CDS_0011) virion structural protein (CDS_0012)
CDS_0015
uvig_587731 4812:18754(+)
virion structural protein (CDS_0011) virion structural protein (CDS_0012)
SAMN09781721_a1_ct138441_vs1 4812:18678(+)
CDS_0011
uvig_574389 4839:18936(+)
CDS_0011
CDS_0015
uvig_593351 5055:20078(+)
CDS_0014
CDS_0015
uvig_598264 7340:16910(+)
CDS_0015 CDS_0016
uvig_42022 8703:20501(+)
16
15 17 18 19
SAMN09781713_a1_ct17254_vs1 8663:21303(+)
20
15 1617 18 19 21 22
SAMN10080899_a1_ct18437_vs1 8705:23743(+)
CDS_0016
CDS_0017
CDS_0015 CDS_0018
uvig_574336 8663:21293(+)
CDS_0016
CDS_0015 CDS_0017
uvig_579297 8660:20263(+)
15 1617 18 19
Monaco_MBA4025_NODE_53_length_20517_cov_11.236438 8401:20516(+)
CDS_0015 CDS_0017
CDS_0011
CDS_0016
SAMN09781784_a1_ct137731_vs1 8352:22183(+)
8000 nt
head and packaging
tail
transcription regulation
unknown function
Virulence