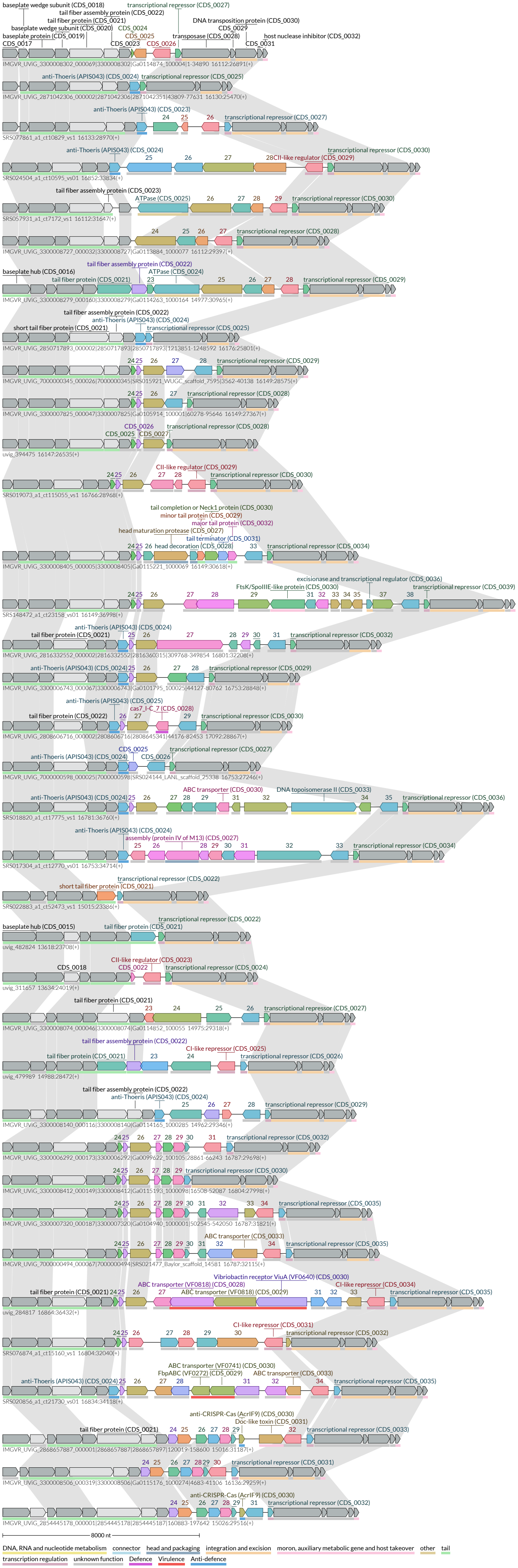
baseplate wedge subunit (CDS_0018)
transcriptional repressor (CDS_0027)
tail fiber assembly protein (CDS_0022)
tail fiber protein (CDS_0021)
DNA transposition protein (CDS_0030)
baseplate wedge subunit (CDS_0020)
CDS_0024
CDS_0029
baseplate protein (CDS_0019)
CDS_0025
transposase (CDS_0028)
host nuclease inhibitor (CDS_0032)
CDS_0017
CDS_0023
CDS_0026
CDS_0031
IMGVR_UViG_3300008302_000069|3300008302|Ga0114874_100004|1-34890 16112:26891(+)
anti-Thoeris (APIS043) (CDS_0024)
transcriptional repressor (CDS_0025)
IMGVR_UViG_2871042306_000002|2871042306|2871042351|43809-77631 16130:25470(+)
anti-Thoeris (APIS043) (CDS_0023)
24
25
26
transcriptional repressor (CDS_0027)
SRS077861_a1_ct10829_vs1 16133:28970(+)
anti-Thoeris (APIS043) (CDS_0024)
transcriptional repressor (CDS_0030)
25
26
27
28CII-like regulator (CDS_0029)
SRS024504_a1_ct10595_vs01 16852:33834(+)
tail fiber assembly protein (CDS_0023)
ATPase (CDS_0025)
26
27
28
29
transcriptional repressor (CDS_0030)
SRS057931_a1_ct7172_vs1 16112:31647(+)
24
25
26
27
transcriptional repressor (CDS_0028)
IMGVR_UViG_3300008727_000032|3300008727|Ga0113884_1000077 16112:29397(+)
tail fiber assembly protein (CDS_0022)
baseplate hub (CDS_0016)
ATPase (CDS_0024)
tail fiber protein (CDS_0021)
23
25
26
27
28
transcriptional repressor (CDS_0029)
IMGVR_UViG_3300008279_000160|3300008279|Ga0114263_1000164 14977:30965(+)
tail fiber assembly protein (CDS_0022)
anti-Thoeris (APIS043) (CDS_0024)
short tail fiber protein (CDS_0021)
transcriptional repressor (CDS_0025)
IMGVR_UViG_2850717893_000002|2850717893|2850717893|1213851-1248592 16176:25801(+)
24
25
26
27
28
transcriptional repressor (CDS_0029)
IMGVR_UViG_7000000345_000026|7000000345|SRS015921_WUGC_scaffold_7595|3562-40138 16149:28575(+)
24
25
26
27
transcriptional repressor (CDS_0028)
IMGVR_UViG_3300007825_000047|3300007825|Ga0105914_100001|60278-95646 16149:27367(+)
CDS_0026
transcriptional repressor (CDS_0028)
CDS_0025
CDS_0027
uvig_394475 16147:26535(+)
CII-like regulator (CDS_0029)
24
25
26
27
28
transcriptional repressor (CDS_0030)
SRS019073_a1_ct115055_vs1 16766:28968(+)
tail completion or Neck1 protein (CDS_0030)
minor tail protein (CDS_0029)
major tail protein (CDS_0032)
head maturation protease (CDS_0027)
tail terminator (CDS_0031)
24
25
26
head decoration (CDS_0028)
33
transcriptional repressor (CDS_0034)
IMGVR_UViG_3300008405_000005|3300008405|Ga0115221_1000069 16149:30618(+)
excionase and transcriptional regulator (CDS_0036)
FtsK/SpoIIIE-like protein (CDS_0030)
transcriptional repressor (CDS_0039)
24
25
26
27
28
29
31
32
33
34
35
37
38
SRS148472_a1_ct23158_vs01 16149:36998(+)
anti-Thoeris (APIS043) (CDS_0024)
tail fiber protein (CDS_0021)
25
26
27
28
29
30
31
transcriptional repressor (CDS_0032)
IMGVR_UViG_2816332552_000002|2816332552|2816360315|309768-349854 16801:32208(+)
anti-Thoeris (APIS043) (CDS_0024)
25
26
27
28
transcriptional repressor (CDS_0029)
IMGVR_UViG_3300006743_000067|3300006743|Ga0101795_100025|44127-80762 16753:28848(+)
anti-Thoeris (APIS043) (CDS_0025)
cas7_I-C_7 (CDS_0028)
tail fiber protein (CDS_0022)
26
27
29
transcriptional repressor (CDS_0030)
IMGVR_UViG_2808606716_000002|2808606716|2808645341|44176-82453 17092:28867(+)
CDS_0025
transcriptional repressor (CDS_0027)
anti-Thoeris (APIS043) (CDS_0024)
CDS_0026
IMGVR_UViG_7000000598_000025|7000000598|SRS024144_LANL_scaffold_25338 16753:27246(+)
ABC transporter (CDS_0030)
DNA topoisomerase II (CDS_0033)
anti-Thoeris (APIS043) (CDS_0024)
25
26
27
28
29
31
32
34
35
transcriptional repressor (CDS_0036)
SRS018820_a1_ct17775_vs1 16781:36760(+)
anti-Thoeris (APIS043) (CDS_0024)
assembly (protein IV of M13) (CDS_0027)
25
26
28
29
30
31
32
33
transcriptional repressor (CDS_0034)
SRS017304_a1_ct12770_vs01 16753:34714(+)
transcriptional repressor (CDS_0022)
short tail fiber protein (CDS_0021)
SRS022883_a1_ct52473_vs1 15015:23386(+)
transcriptional repressor (CDS_0022)
baseplate hub (CDS_0015)
tail fiber protein (CDS_0021)
uvig_482824 13618:23708(+)
CII-like regulator (CDS_0023)
CDS_0018
CDS_0022
transcriptional repressor (CDS_0024)
uvig_311657 13634:24019(+)
tail fiber protein (CDS_0021)
23
24
25
26
transcriptional repressor (CDS_0027)
IMGVR_UViG_3300008074_000046|3300008074|Ga0114852_100055 14975:29318(+)
tail fiber assembly protein (CDS_0022)
CI-like repressor (CDS_0025)
tail fiber protein (CDS_0021)
23
24
transcriptional repressor (CDS_0026)
uvig_479989 14988:28472(+)
tail fiber assembly protein (CDS_0022)
anti-Thoeris (APIS043) (CDS_0024)
25
26
27
28
transcriptional repressor (CDS_0029)
IMGVR_UViG_3300008140_000116|3300008140|Ga0114165_1000285 14962:29346(+)
24
25
26
27
28
29
30
31
transcriptional repressor (CDS_0032)
IMGVR_UViG_3300006292_000173|3300006292|Ga0099622_100105|28861-66243 16787:29698(+)
24
25
26
27
28
29
transcriptional repressor (CDS_0030)
IMGVR_UViG_3300008412_000149|3300008412|Ga0115193_1000098|16508-52087 16804:27998(+)
24
25
26
27
28
29
30
31
32
33
34
transcriptional repressor (CDS_0035)
IMGVR_UViG_3300007320_000187|3300007320|Ga0104940_1000001|502545-542050 16787:31821(+)
ABC transporter (CDS_0033)
24
25
26
27
28
29
30
31
32
34
transcriptional repressor (CDS_0035)
IMGVR_UViG_7000000494_000067|7000000494|SRS021477_Baylor_scaffold_14581 16787:32115(+)
Vibriobactin receptor ViuA (VF0640) (CDS_0030)
ABC transporter (VF0818) (CDS_0028)
CI-like repressor (CDS_0034)
tail fiber protein (CDS_0021)
24
25
26
27
ABC transporter (VF0818) (CDS_0029)
31
32
33
transcriptional repressor (CDS_0035)
uvig_284817 16864:36432(+)
CI-like repressor (CDS_0031)
24
25
26
27
28
29
30
transcriptional repressor (CDS_0032)
SRS076874_a1_ct15160_vs1 16804:32040(+)
ABC transporter (VF0741) (CDS_0030)
FbpABC (VF0272) (CDS_0029)
ABC transporter (CDS_0033)
anti-Thoeris (APIS043) (CDS_0024)
25
26
27
28
31
32
34
transcriptional repressor (CDS_0035)
SRS020856_a1_ct21730_vs01 16834:34118(+)
anti-CRISPR-Cas (AcrIF9) (CDS_0030)
Doc-like toxin (CDS_0031)
tail fiber protein (CDS_0021)
24
25
26
27
28
29
32
transcriptional repressor (CDS_0033)
IMGVR_UViG_2868657887_000001|2868657887|2868657897|120019-158600 15016:31187(+)
24
25
26
27
28
29
30
transcriptional repressor (CDS_0031)
IMGVR_UViG_3300008506_000319|3300008506|Ga0115176_1000274|4683-41106 16136:29259(+)
anti-CRISPR-Cas (AcrIF9) (CDS_0030)
24
25
26
27
28
29
31
transcriptional repressor (CDS_0032)
IMGVR_UViG_2854445178_000001|2854445178|2854445187|160883-197642 15026:29516(+)
8000 nt
DNA, RNA and nucleotide metabolism
connector
head and packaging
integration and excision
moron, auxiliary metabolic gene and host takeover
other
tail
transcription regulation
unknown function
Defence
Virulence
Anti-defence