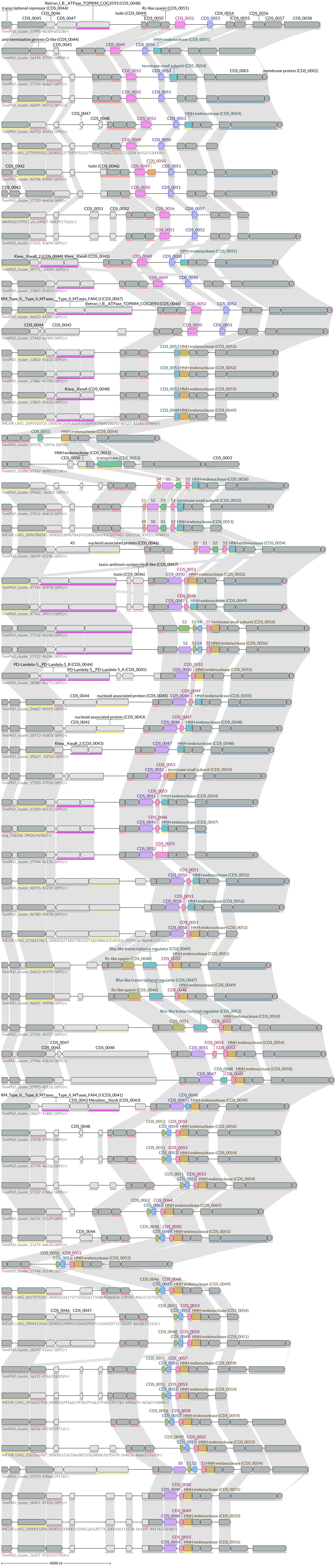
Retron_I_B__ATPase_TOPRIM_COG3593 (CDS_0048)
transcriptional repressor (CDS_0044)
CDS_0046
CDS_0045
CDS_0047
holin (CDS_0049)
Rz-like spanin (CDS_0051)
CDS_0050
CDS_0052
CDS_0053
CDS_0054
CDS_0055
CDS_0056
CDS_0057
CDS_0058
TemPhD_cluster_55995 48389:60128(+)
anti-termination protein Q-like (CDS_0044)
CDS_0045
CDS_0049
CDS_0050
HNH endonuclease (CDS_0051)
TemPhD_cluster_56194 47595:56942(+)
terminase small subunit (CDS_0054)
CDS_0052
CDS_0053
CDS_0001
membrane protein (CDS_0002)
TemPhD_cluster_57754 46667:1895(+)
CDS_0050
CDS_0051
TemPhD_cluster_46695 44751:1895(+)
CDS_0047
CDS_0048
CDS_0052
CDS_0053
HNH endonuclease (CDS_0054)
TemPhD_cluster_46703 44203:1895(+)
CDS_0049
CDS_0050
IMGVR_UViG_2770939322_000001|2770939322|2770941574|272253-325254 45022:53000(+)
CDS_0042
holin (CDS_0046)
CDS_0050
CDS_0049
CDS_0051
TemPhD_cluster_46746 43987:1895(+)
CDS_0042
CDS_0050
CDS_0051
TemPhD_cluster_57720 46406:1895(+)
CDS_0051
CDS_0052
CDS_0056
CDS_0057
SAMEA2579921_a1_ct4487 48439:57562(+)
CDS_0051
CDS_0052
TemPhD_cluster_57635 45894:1895(+)
Kiwa__KwaB_2 (CDS_0044)
Kiwa__KwaA (CDS_0045)
CDS_0049
CDS_0050
HNH endonuclease (CDS_0051)
TemPhD_cluster_39771_ 42045:1895(+)
CDS_0049
CDS_0050
TemPhD_cluster_57805 45403:1895(+)
RM_Type_II__Type_II_MTases__Type_II_MTases_FAM_0 (CDS_0047)
Retron_I_B__ATPase_TOPRIM_COG3593 (CDS_0048)
CDS_0052
CDS_0053
TemPhD_cluster_46423 44789:1895(+)
CDS_0044
CDS_0045
CDS_0050
CDS_0051
TemPhD_cluster_57443 46000:1895(+)
CDS_0052
HNH endonuclease (CDS_0053)
TemPhD_cluster_13822 45632:1895(+)
CDS_0051
HNH endonuclease (CDS_0052)
TemPhD_cluster_57882 45700:1895(+)
Kiwa__KwaA (CDS_0048)
CDS_0052
HNH endonuclease (CDS_0053)
TemPhD_cluster_13825 45632:1895(+)
CDS_0048
HNH endonuclease (CDS_0049)
IMGVR_UViG_2695420735_000006|2695420735|2695474841|36042-86527 42185:50484(+)
CDS_0053
HNH endonuclease (CDS_0054)
TemPhD_cluster_39354_ 53476:1895(+)
HNH endonuclease (CDS_0051)
CDS_0050
transposase (CDS_0053)
CDS_0003
TemPhD_cluster_57747 48983:3154(+)
54
55
56
57
HNH endonuclease (CDS_0058)
TemPhD_cluster_39460_ 46203:1895(+)
51
52
53
54
terminase small subunit (CDS_0055)
TemPhD_cluster_57652 46852:1895(+)
49
50
51
52
HNH endonuclease (CDS_0053)
IMGVR_UViG_2896784243_000002|2896784243|2896784243|3207467-3261528 45933:54060(+)
45
nucleoid associated protein (CDS_0046)
50
51
52
53
HNH endonuclease (CDS_0054)
TemPhD_cluster_58249 42236:1895(+)
toxin-antitoxin system HicB-like (CDS_0047)
toxin (CDS_0046)
CDS_0051
CDS_0050
HNH endonuclease (CDS_0052)
TemPhD_cluster_47196 40978:1895(+)
CDS_0048
CDS_0047
HNH endonuclease (CDS_0049)
TemPhD_cluster_47761 39011:1895(+)
52
53
54
55
terminase small subunit (CDS_0056)
TemPhD_cluster_57518 46246:1895(+)
52
53
54
55
HNH endonuclease (CDS_0056)
TemPhD_cluster_57512 46246:1895(+)
PD-Lambda-5__PD-Lambda-5_B (CDS_0044)
PD-Lambda-5__PD-Lambda-5_A (CDS_0045)
CDS_0051
CDS_0050
HNH endonuclease (CDS_0052)
TemPhD_cluster_58080 44275:1895(+)
CDS_0049
CDS_0044
nucleoid associated protein (CDS_0045)
CDS_0048
HNH endonuclease (CDS_0050)
TemPhD_cluster_34667 44595:1895(+)
nucleoid associated protein (CDS_0043)
CDS_0042
CDS_0047
CDS_0046
HNH endonuclease (CDS_0048)
TemPhD_cluster_58713 41803:1895(+)
Kiwa__KwaB_2 (CDS_0043)
CDS_0047
HNH endonuclease (CDS_0048)
TemPhD_cluster_39627_ 43765:1895(+)
CDS_0053
CDS_0052
terminase small subunit (CDS_0054)
TemPhD_cluster_57503 47934:1895(+)
CDS_0053
CDS_0052
HNH endonuclease (CDS_0054)
TemPhD_cluster_25300 46135:1895(+)
CDS_0046
CDS_0045
HNH endonuclease (CDS_0047)
uvig_318268 39426:46982(+)
CDS_0053
CDS_0052
TemPhD_cluster_57944 46135:1895(+)
CDS_0051
CDS_0050
HNH endonuclease (CDS_0052)
TemPhD_cluster_46935 42234:1895(+)
CDS_0051
CDS_0050
HNH endonuclease (CDS_0052)
TemPhD_cluster_46780 43478:1895(+)
CDS_0051
CDS_0050
HNH endonuclease (CDS_0052)
IMGVR_UViG_2718217851_000003|2718217851|2718228063|3540201-3595518 46608:55316(+)
Rha-like transcriptional regulator (CDS_0049)
HNH endonuclease (CDS_0051)
Rz-like spanin (CDS_0048)
CDS_0050
TemPhD_cluster_34653 45770:1895(+)
Rha-like transcriptional regulator (CDS_0047)
HNH endonuclease (CDS_0049)
Rz-like spanin (CDS_0046)
CDS_0048
TemPhD_cluster_46601 44998:1895(+)
Rha-like transcriptional regulator (CDS_0052)
HNH endonuclease (CDS_0054)
CDS_0051
CDS_0053
TemPhD_cluster_57531 45727:1895(+)
CDS_0047
CDS_0046
CDS_0048
CDS_0052
HNH endonuclease (CDS_0054)
CDS_0051
CDS_0053
TemPhD_cluster_57946 43614:1895(+)
CDS_0048
HNH endonuclease (CDS_0050)
CDS_0047
CDS_0049
TemPhD_cluster_57995 43116:1895(+)
RM_Type_II__Type_II_MTases__Type_II_MTases_FAM_0 (CDS_0041)
CDS_0042
Menshen__NsnA (CDS_0043)
CDS_0048
CDS_0047
HNH endonuclease (CDS_0049)
TemPhD_cluster_58627 41881:1895(+)
CDS_0053
CDS_0055
CDS_0048
CDS_0054
HNH endonuclease (CDS_0056)
TemPhD_cluster_57478 47493:1895(+)
CDS_0051
CDS_0053
CDS_0052
HNH endonuclease (CDS_0054)
TemPhD_cluster_57774 46036:1895(+)
CDS_0051
CDS_0053
CDS_0052
HNH endonuclease (CDS_0054)
TemPhD_cluster_57337 47866:1895(+)
CDS_0062
CDS_0064
CDS_0063
HNH endonuclease (CDS_0065)
TemPhD_cluster_56551 55529:1895(+)
CDS_0048
CDS_0050
CDS_0044
CDS_0049
HNH endonuclease (CDS_0051)
TemPhD_cluster_31274 46634:1895(+)
CDS_0050
CDS_0052
CDS_0051
HNH endonuclease (CDS_0053)
TemPhD_cluster_57746 50148:1895(+)
CDS_0046
CDS_0048
CDS_0047
HNH endonuclease (CDS_0049)
IMGVR_UViG_2617271250_000002|2617271250|2617358840|86858-139592 44655:52733(+)
CDS_0051
CDS_0053
CDS_0046
CDS_0047
CDS_0052
HNH endonuclease (CDS_0054)
IMGVR_UViG_2904513164_000001|2904513164|2904513164|20715-76029 46568:55313(+)
CDS_0048
CDS_0050
CDS_0049
HNH endonuclease (CDS_0051)
TemPhD_cluster_58297 43265:1895(+)
CDS_0055
CDS_0057
CDS_0056
HNH endonuclease (CDS_0058)
TemPhD_cluster_56121 47663:58102(+)
CDS_0051
CDS_0053
CDS_0052
HNH endonuclease (CDS_0054)
IMGVR_UViG_2916621918_000003|2916621918|2916621918|3391785-3446670 46583:54884(+)
CDS_0056
CDS_0058
CDS_0057
HNH endonuclease (CDS_0059)
TemPhD_cluster_56018 49239:59712(+)
CDS_0050
CDS_0052
CDS_0051
HNH endonuclease (CDS_0053)
IMGVR_UViG_2563366987_000001|2563366987|2563400676|95039-164826 46663:57690(+)
50
51
52
53
HNH endonuclease (CDS_0054)
TemPhD_cluster_55973 47868:59176(+)
CDS_0050
CDS_0049
HNH endonuclease (CDS_0051)
TemPhD_cluster_58401 43106:1895(+)
CDS_0049
CDS_0048
HNH endonuclease (CDS_0050)
IMGVR_UViG_3300011204_000011|3300011204|Ga0120774_100016|111578-164197 44176:52618(+)
CDS_0055
CDS_0054
HNH endonuclease (CDS_0056)
TemPhD_cluster_56107 47213:57703(+)
4000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
transcription regulation
unknown function
Defence