tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0039)
minor tail protein (CDS_0025)
DksA-like zinc-finger protein (CDS_0041)
tail length tape measure protein (CDS_0023)
UmuD-like protein (CDS_0035)
DNA methyltransferase (CDS_0043)
tail protein (CDS_0027)
Reverse transcriptase (CDS_0033)
integrase (CDS_0040)
24 26 28 29 30 31 32 34 36 37 38 42 44
IMGVR_UVIG_2860612276_000005|2860612276|2860612276|4064109-4116327 15812:36219(+)
UmuD-like protein (CDS_0034)
Reverse transcriptase (CDS_0032)
tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0038)
28 29 30 31 33 35 36 37
IMGVR_UVIG_2925450510_000005|2925450510|2925450510|2734641-2786858 15812:36218(+)
UmuD-like protein (CDS_0033)
Reverse transcriptase (CDS_0031)
28 29 30 32 34 35 36
IMGVR_UVIG_2663762600_000001|2663762600|2663762600|536835-588844 15800:34909(+)
UmuD-like protein (CDS_0033)
Reverse transcriptase (CDS_0031)
28 29 30 32 34 35 36
IMGVR_UVIG_2690316137_000008|2690316137|2690347473|281714-332637 15813:34922(+)
UmuD-like protein (CDS_0034)
Reverse transcriptase (CDS_0032)
tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0037)
28 29 30 31 33 35 36
IMGVR_UVIG_2922838355_000002|2922838355|2922838355|2538382-2590600 15812:36219(+)
UmuD-like protein (CDS_0033)
Reverse transcriptase (CDS_0031)
tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0036)
28 29 30 32 34 35
IMGVR_UVIG_2875250886_000003|2875250886|2875250886|2706736-2758953 15812:36218(+)
tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0039)
transposase (CDS_0029)
UmuD-like protein (CDS_0036)
transposase (CDS_0030)
Reverse transcriptase (CDS_0034)
28 31 32 33 35 37 38
IMGVR_UVIG_2925480332_000005|2925480332|2925480332|3962857-4017400 15812:37443(+)
tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0040)
UmuD-like protein (CDS_0037)
28 29 30 31 32 33 34 35 36 38 39
IMGVR_UVIG_2609459937_000001|2609459937|2609509129|281516-335665 15812:38150(+)
UmuD-like protein (CDS_0034) tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0037)
28 29 30 31 32 33 35 36
IMGVR_UVIG_2576861171_000005|2576861171|2576874285|524375-576592 15812:36218(+)
UmuD-like protein (CDS_0035)
Reverse transcriptase (CDS_0031)
tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0038)
28 29 30 32 33 34 36 37
IMGVR_UVIG_2872451071_000006|2872451071|2872451071|3969153-4023280 15812:38128(+)
UmuD-like protein (CDS_0034)
28 29 30 31 32 33 35 36
IMGVR_UVIG_2660237926_000005|2660237926|2660239316|207210-259231 15812:34921(+)
UmuD-like protein (CDS_0034) tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0037)
28 29 30 31 32 33 35 36
IMGVR_UVIG_2565956562_000006|2565956562|2565970339|3950214-4003540 15812:36226(+)
UmuD-like protein (CDS_0034)
transposase (CDS_0038)
excisionase (CDS_0039)
28 29 30 31 32 33 35 36
IMGVR_UVIG_2588254058_000004|2588254058|2588302728|247941-301162 15812:36121(+)
transposase (CDS_0029)
transposase (CDS_0028)
tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0040)
UmuD-like protein (CDS_0037)
27 31 32 33 34 35 36 38 39
IMGVR_UVIG_2667528034_000001|2667528034|2667604606|282973-337597 15812:37524(+)
tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0042)
UmuD-like protein (CDS_0039)
28 29 30 31 32 33 34 35 36 37 38 40 41
IMGVR_UVIG_2671180468_000006|2671180468|2671232706|206325-263244 15812:39819(+)
tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0037)
UmuD-like protein (CDS_0034)
DNA methyltransferase (CDS_0041)
28 29 30 31 32 33 35 36 43 44
IMGVR_UVIG_2609459983_000006|2609459983|2609511374|281740-333957 15812:37050(+)
tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0033)
Reverse transcriptase (CDS_0031)
28 29 30 UmuD-like protein (CDS_0032)
IMGVR_UVIG_2660238317_000006|2660238317|2660291280|28657-78736 15812:34080(+)
28 29 30 31 32 tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0033)
IMGVR_UVIG_2609459967_000005|2609459967|2609510541|219523-268825 15812:33303(+)
CDS_0030
CDS_0031
CDS_0028 CDS_0029
IMGVR_UVIG_2660238062_000011|2660238062|2660258381|281572-328309 15812:30738(+)
28 29 30 31 32
IMGVR_UVIG_2675903599_000004|2675903599|2675993765|1838-49969 15812:32054(+)
30
28 29 31 tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0032)
IMGVR_UVIG_2663762950_000013|2663762950|2663799186|182268-230302 15812:32035(+)
Reverse transcriptase (CDS_0032)
28 29 30 31 33UmuD-like protein (CDS_0034)
IMGVR_UVIG_2657244968_000001|2657244968|2657252304 15812:32926(+)
tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0038)
UmuD-like protein (CDS_0034)
anti-repressor (CDS_0021)
tail protein (CDS_0027)
Reverse transcriptase (CDS_0032)
37
22
tail protein (CDS_0028)
29 30 31 33 35 36
IMGVR_UVIG_2690315687_000002|2690315687|2690318778|2592041-2644254 14302:36214(+)
CDS_0028 CDS_0029
IMGVR_UVIG_2609459928_000006|2609459928|2609508812|789807-835193 15812:29387(+)
CDS_0028 CDS_0029
IMGVR_UVIG_2576861159_000002|2576861159|2576873641|206065-250836 15812:28772(+)
CDS_0028 CDS_0029
IMGVR_UVIG_2667528086_000001|2667528086|2667610940|205933-251010 15812:29078(+)
CDS_0028
IMGVR_UVIG_2681813157_000003|2681813157|2681859410|3-44350 15812:28348(+)
CDS_0028
IMGVR_UVIG_2690316182_000006|2690316182|2690354154|236594-279903 15812:27310(+)
CDS_0028
IMGVR_UVIG_2693429716_000008|2693429716|2693464776|68325-112492 15812:28168(+)
CDS_0029 CDS_0030
IMGVR_UVIG_2529292762_000014|2529292762|2529336583|2-43405 15811:27405(+)
CDS_0029
CDS_0028 tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0030)
IMGVR_UVIG_2529293113_000009|2529293113|2529402626 15812:29135(+)
CDS_0028 tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0029)
IMGVR_UVIG_2519103076_000015|2519103076|2519115399|4-44865 15812:28862(+)
CDS_0028
IMGVR_UVIG_2534681629_000015|2534681629|2534686080|10261-53753 15812:27493(+)
CDS_0028 CDS_0029 tetrahydrofolate dehydrogenase and cyclohydrolase (CDS_0030)
IMGVR_UVIG_2619619088_000014|2619619088|2619664643|9038-56237 15812:31200(+)
CDS_0029
CDS_0028 UmuD-like protein (CDS_0030)
IMGVR_UVIG_2740892297_000005|2740892297|2740970057 15812:28523(+)
CDS_0028
IMGVR_UVIG_2529292763_000013|2529292763|2529336786|23-43583 15812:28395(+)
9000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
other
tail
transcription regulation
unknown function