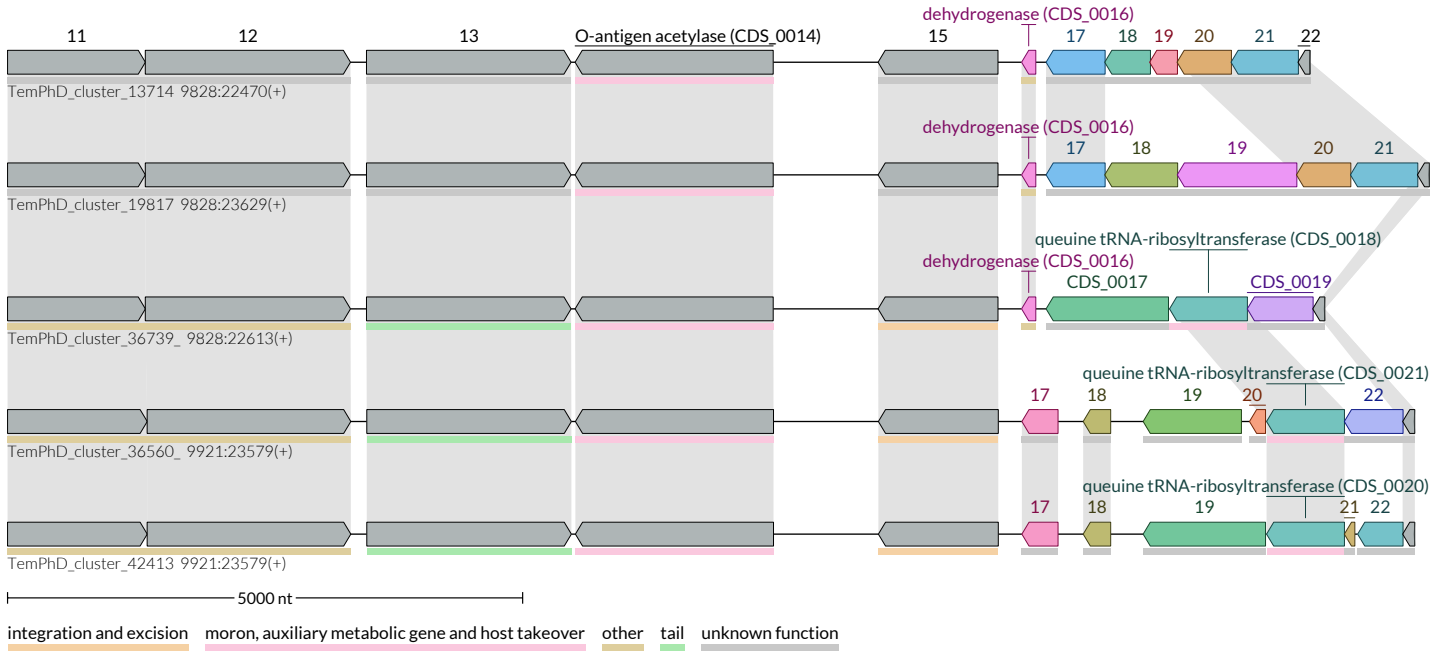
11
12
13
O-antigen acetylase (CDS_0014)
15
dehydrogenase (CDS_0016)
17
18
19
20
21
22
TemPhD_cluster_13714 9828:22470(+)
dehydrogenase (CDS_0016)
17
18
19
20
21
TemPhD_cluster_19817 9828:23629(+)
queuine tRNA-ribosyltransferase (CDS_0018)
dehydrogenase (CDS_0016)
CDS_0017
CDS_0019
TemPhD_cluster_36739_ 9828:22613(+)
queuine tRNA-ribosyltransferase (CDS_0021)
17
18
19
20
22
TemPhD_cluster_36560_ 9921:23579(+)
queuine tRNA-ribosyltransferase (CDS_0020)
17
18
19
21
22
TemPhD_cluster_42413 9921:23579(+)
5000 nt
integration and excision
moron, auxiliary metabolic gene and host takeover
other
tail
unknown function