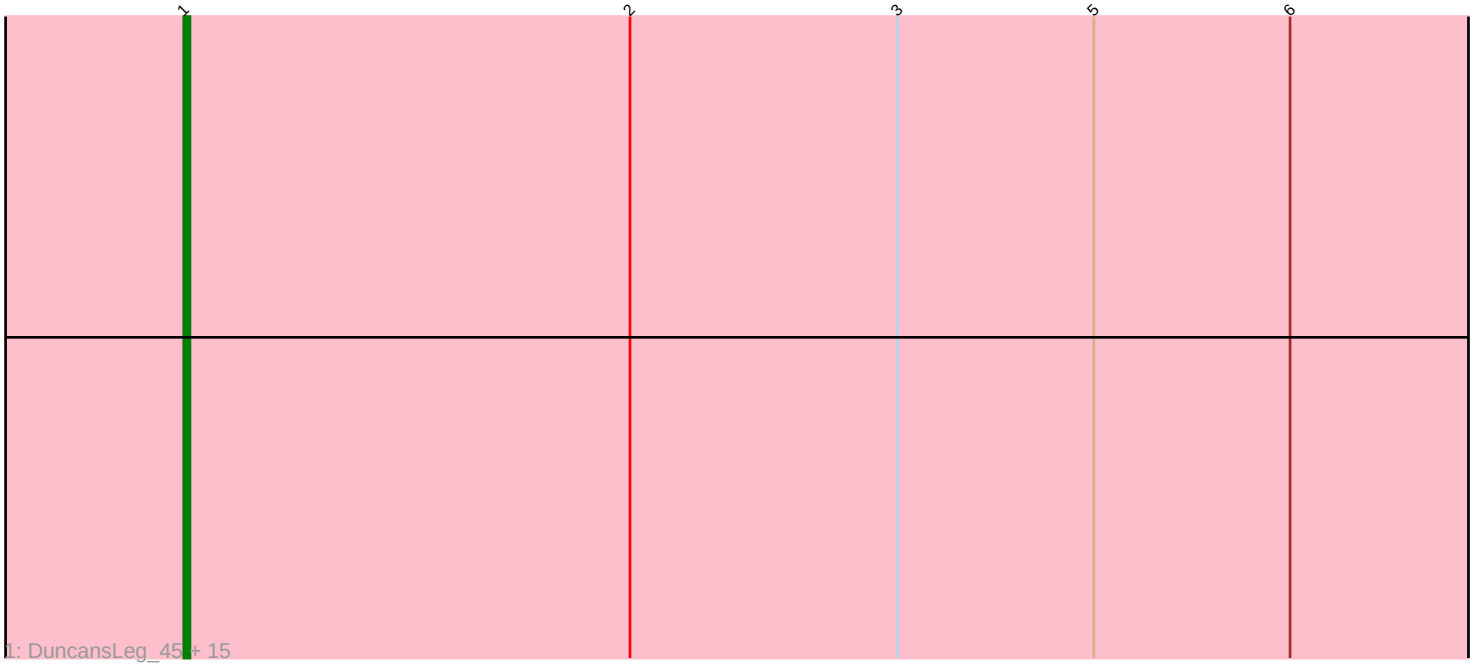
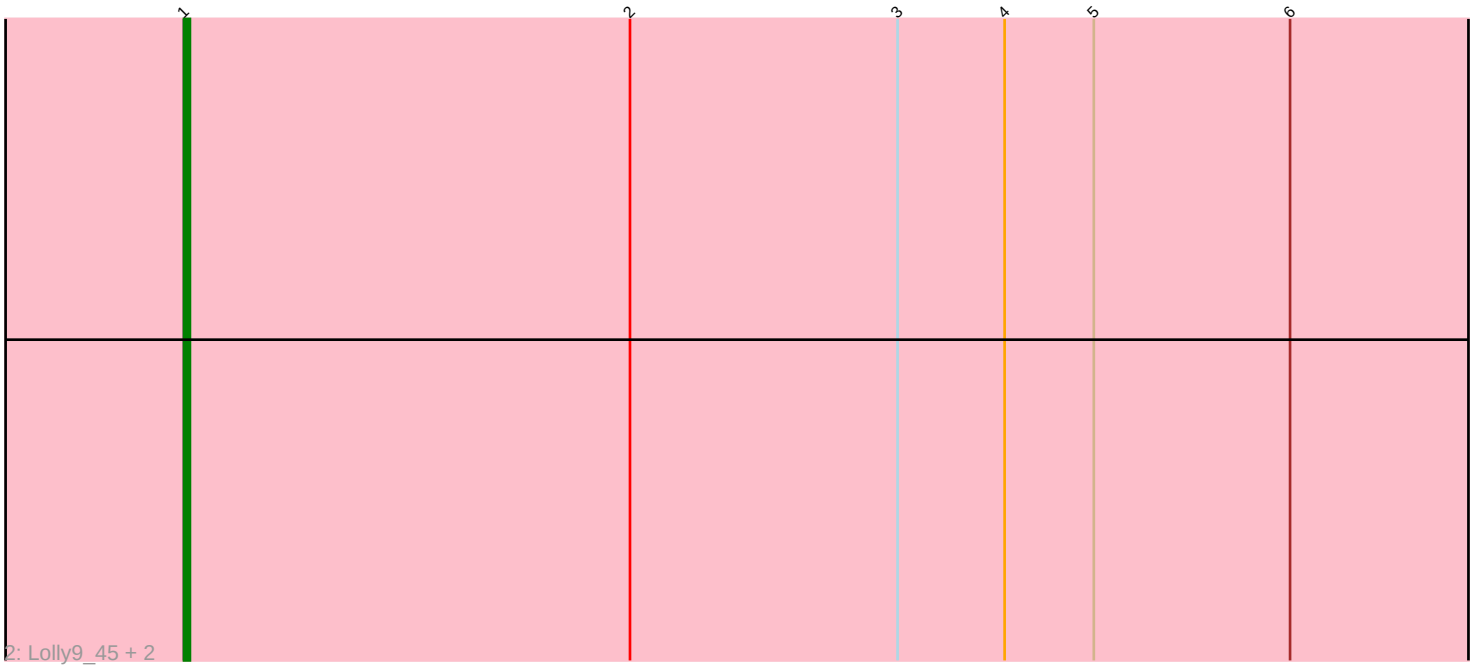
Pham 4433





Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 4433 Report

This analysis was run 04/28/24 on database version 559.

Pham number 4433 has 19 members, 3 are drafts.

Phages represented in each track:
• Track 1 : DuncansLeg_45, MsGreen_45, Clautastrophe_45, Kingsolomon_45, Jobypre_46, Finnry_45, Moostard_45, Krypton555_47, Bellis_45, Nicholas_45, Ellson_45, Lumos_46, Snenia_45, Samty_45, Jubie_45, Whirlwind_46
• Track 2 : Lolly9_45, MiniLon_47, MiniMac_47

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 1, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bellis_45, Clautastrophe_45, DuncansLeg_45, Ellson_45, Finnry_45, Jobypre_46, Jubie_45, Kingsolomon_45, Krypton555_47, Lolly9_45, Lumos_46, MiniLon_47, MiniMac_47, Moostard_45, MsGreen_45, Nicholas_45, Samty_45, Snenia_45, Whirlwind_46,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 1:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bellis_45 (L3), Clautastrophe_45 (L3), DuncansLeg_45 (L3), Ellson_45 (L3), Finnry_45 (L3), Jobypre_46 (L3), Jubie_45 (L3), Kingsolomon_45 (L3), Krypton555_47 (L3), Lolly9_45 (L3), Lumos_46 (L3), MiniLon_47 (L3), MiniMac_47 (L3), Moostard_45 (L3), MsGreen_45 (L3), Nicholas_45 (L3), Samty_45 (L3), Snenia_45 (L3), Whirlwind_46 (L3),

Summary by clusters:

There is one cluster represented in this pham: L3

Info for manual annotations of cluster L3:
•Start number 1 was manually annotated 16 times for cluster L3.

Gene Information:

Gene: Bellis_45 Start: 37834, Stop: 38052, Start Num: 1
Candidate Starts for Bellis_45:
(Start: 1 @37834 has 16 MA's), (2, 37909), (3, 37954), (5, 37987), (6, 38020),

Gene: Clautastrophe_45 Start: 37831, Stop: 38049, Start Num: 1
Candidate Starts for Clautastrophe_45:
(Start: 1 @37831 has 16 MA's), (2, 37906), (3, 37951), (5, 37984), (6, 38017),

Gene: DuncansLeg_45 Start: 37857, Stop: 38075, Start Num: 1
Candidate Starts for DuncansLeg_45:
(Start: 1 @37857 has 16 MA's), (2, 37932), (3, 37977), (5, 38010), (6, 38043),

Gene: Ellson_45 Start: 37887, Stop: 38105, Start Num: 1
Candidate Starts for Ellson_45:
(Start: 1 @37887 has 16 MA's), (2, 37962), (3, 38007), (5, 38040), (6, 38073),

Gene: Finnry_45 Start: 37835, Stop: 38053, Start Num: 1
Candidate Starts for Finnry_45:
(Start: 1 @37835 has 16 MA's), (2, 37910), (3, 37955), (5, 37988), (6, 38021),

Gene: Jobypre_46 Start: 37831, Stop: 38049, Start Num: 1
Candidate Starts for Jobypre_46:
(Start: 1 @37831 has 16 MA's), (2, 37906), (3, 37951), (5, 37984), (6, 38017),

Gene: Jubie_45 Start: 37832, Stop: 38050, Start Num: 1
Candidate Starts for Jubie_45:
(Start: 1 @37832 has 16 MA's), (2, 37907), (3, 37952), (5, 37985), (6, 38018),

Gene: Kingsolomon_45 Start: 37831, Stop: 38049, Start Num: 1
Candidate Starts for Kingsolomon_45:
(Start: 1 @37831 has 16 MA's), (2, 37906), (3, 37951), (5, 37984), (6, 38017),

Gene: Krypton555_47 Start: 37805, Stop: 38023, Start Num: 1
Candidate Starts for Krypton555_47:
(Start: 1 @37805 has 16 MA's), (2, 37880), (3, 37925), (5, 37958), (6, 37991),

Gene: Lolly9_45 Start: 37643, Stop: 37861, Start Num: 1
Candidate Starts for Lolly9_45:
(Start: 1 @37643 has 16 MA's), (2, 37718), (3, 37763), (4, 37781), (5, 37796), (6, 37829),

Gene: Lumos_46 Start: 37828, Stop: 38046, Start Num: 1
Candidate Starts for Lumos_46:

(Start: 1 @37828 has 16 MA's), (2, 37903), (3, 37948), (5, 37981), (6, 38014),

Gene: MiniLon_47 Start: 37644, Stop: 37862, Start Num: 1
Candidate Starts for MiniLon_47:
(Start: 1 @37644 has 16 MA's), (2, 37719), (3, 37764), (4, 37782), (5, 37797), (6, 37830),

Gene: MiniMac_47 Start: 37642, Stop: 37860, Start Num: 1
Candidate Starts for MiniMac_47:
(Start: 1 @37642 has 16 MA's), (2, 37717), (3, 37762), (4, 37780), (5, 37795), (6, 37828),

Gene: Moostard_45 Start: 37834, Stop: 38052, Start Num: 1
Candidate Starts for Moostard_45:
(Start: 1 @37834 has 16 MA's), (2, 37909), (3, 37954), (5, 37987), (6, 38020),

Gene: MsGreen_45 Start: 37831, Stop: 38049, Start Num: 1
Candidate Starts for MsGreen_45:
(Start: 1 @37831 has 16 MA's), (2, 37906), (3, 37951), (5, 37984), (6, 38017),

Gene: Nicholas_45 Start: 37831, Stop: 38049, Start Num: 1
Candidate Starts for Nicholas_45:
(Start: 1 @37831 has 16 MA's), (2, 37906), (3, 37951), (5, 37984), (6, 38017),

Gene: Samty_45 Start: 37833, Stop: 38051, Start Num: 1
Candidate Starts for Samty_45:
(Start: 1 @37833 has 16 MA's), (2, 37908), (3, 37953), (5, 37986), (6, 38019),

Gene: Snenia_45 Start: 37832, Stop: 38050, Start Num: 1
Candidate Starts for Snenia_45:
(Start: 1 @37832 has 16 MA's), (2, 37907), (3, 37952), (5, 37985), (6, 38018),

Gene: Whirlwind_46 Start: 37647, Stop: 37865, Start Num: 1
Candidate Starts for Whirlwind_46:
(Start: 1 @37647 has 16 MA's), (2, 37722), (3, 37767), (5, 37800), (6, 37833),