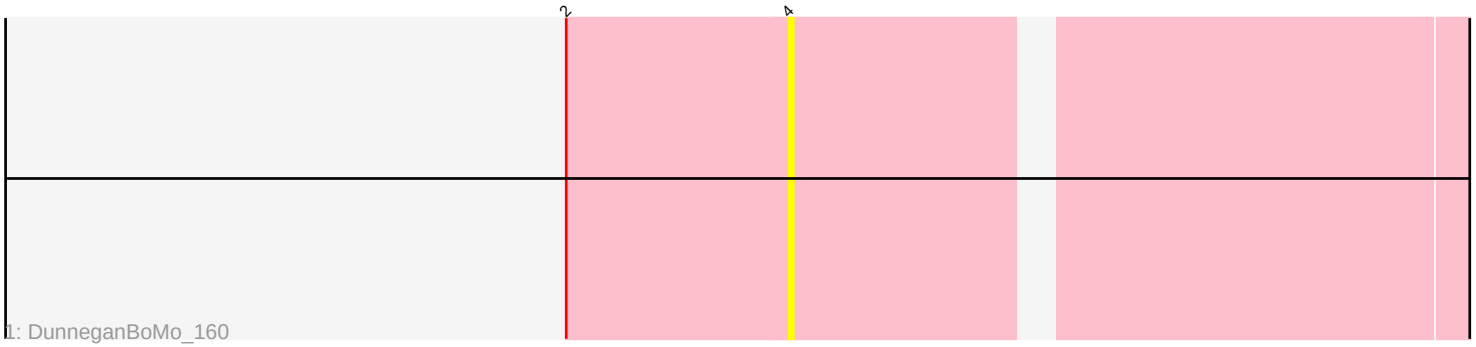
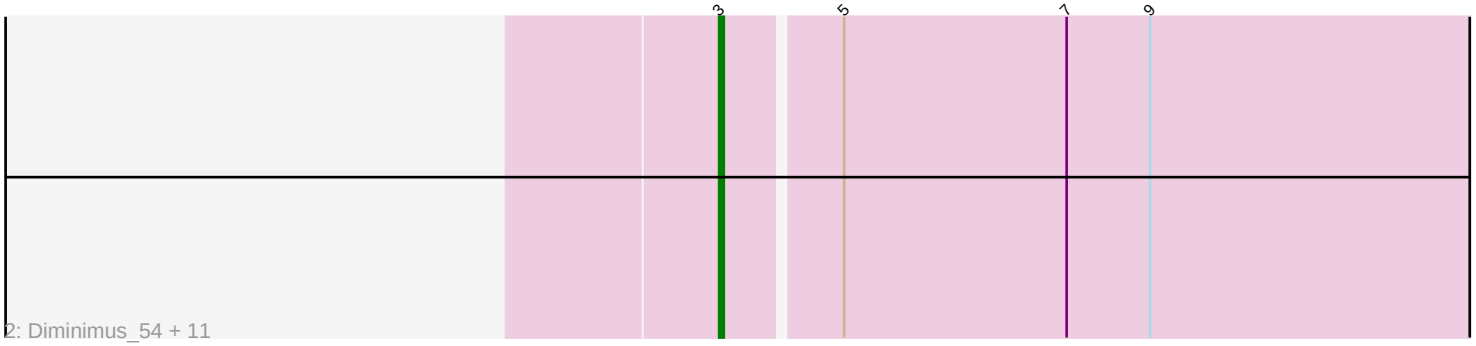
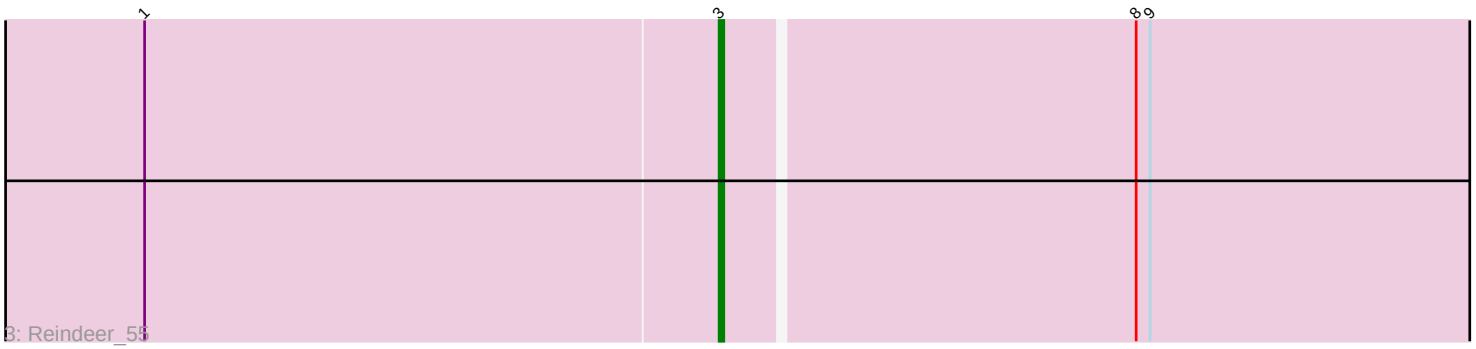
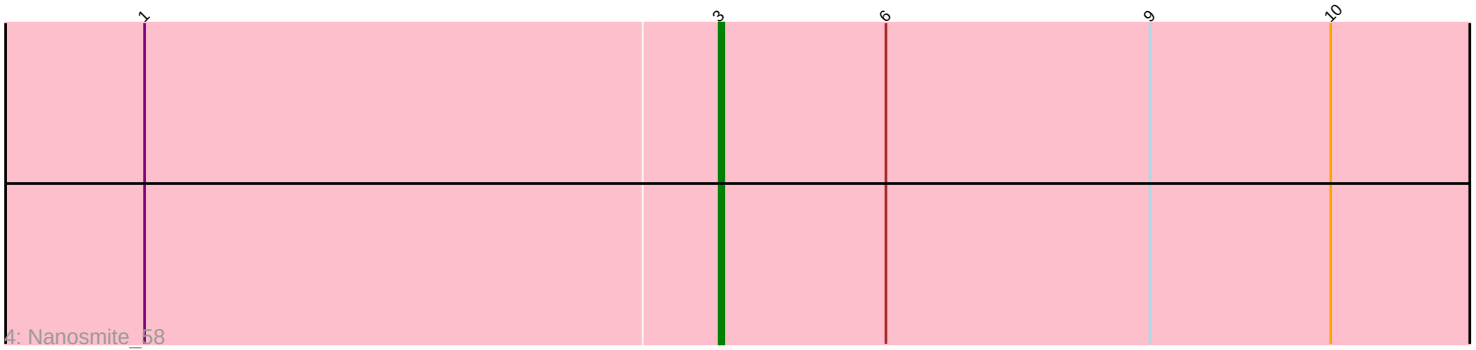
Pham 194447


2
4
1: DunneganBoMo_160


3
5
7
9
2: Diminimus_54 + 11


1
3
8
9
3: Reindeer_58


1
3
6
9
10
4: Nanosmite_68

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 194447 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194447 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : DunneganBoMo_160
• Track 2 : Diminimus_54, PegLeg_53, SlimJimmy_52, Bricole_53, IPhane7_53, Dulcita_54, Glaske16_54, Auspice_53, Skinny_54, LilhomieP_52, Bongo_53, TyDawg_53
• Track 3 : Reindeer_55
• Track 4 : Nanosmite_58

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

The start number called the most often in the published annotations is 3, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_53, Bongo_53, Bricole_53, Diminimus_54, Dulcita_54, Glaske16_54, IPhane7_53, LilhomieP_52, Nanosmite_58, PegLeg_53, Reindeer_55, Skinny_54, SlimJimmy_52, TyDawg_53,

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

Genes that do not have the "Most Annotated" start:
• DunneganBoMo_160,

Summary by start number:

Start 3:
• Found in 14 of 15 (93.3%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auspice_53 (M1), Bongo_53 (M1), Bricole_53 (M1), Diminimus_54 (M1), Dulcita_54 (M1), Glaske16_54 (M1), IPhane7_53 (M1), LilhomieP_52 (M1), Nanosmite_58 (M3), PegLeg_53 (M1), Reindeer_55 (M1), Skinny_54 (M1), SlimJimmy_52 (M1), TyDawg_53 (M1),

Start 4:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DunneganBoMo_160 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: FC, M1, M3,

Info for manual annotations of cluster M1:
•Start number 3 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster M3:
•Start number 3 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Auspice_53 Start: 38208, Stop: 38381, Start Num: 3
Candidate Starts for Auspice_53:
(Start: 3 @38208 has 14 MA's), (5, 38232), (7, 38280), (9, 38298),

Gene: Bongo_53 Start: 38212, Stop: 38385, Start Num: 3
Candidate Starts for Bongo_53:
(Start: 3 @38212 has 14 MA's), (5, 38236), (7, 38284), (9, 38302),

Gene: Bricole_53 Start: 38194, Stop: 38367, Start Num: 3
Candidate Starts for Bricole_53:
(Start: 3 @38194 has 14 MA's), (5, 38218), (7, 38266), (9, 38284),

Gene: Diminimus_54 Start: 38207, Stop: 38380, Start Num: 3
Candidate Starts for Diminimus_54:
(Start: 3 @38207 has 14 MA's), (5, 38231), (7, 38279), (9, 38297),

Gene: Dulcita_54 Start: 38208, Stop: 38381, Start Num: 3
Candidate Starts for Dulcita_54:
(Start: 3 @38208 has 14 MA's), (5, 38232), (7, 38280), (9, 38298),

Gene: DunneganBoMo_160 Start: 107120, Stop: 107278, Start Num: 4
Candidate Starts for DunneganBoMo_160:
(2, 107075), (4, 107120),

Gene: Glaske16_54 Start: 38207, Stop: 38380, Start Num: 3
Candidate Starts for Glaske16_54:
(Start: 3 @38207 has 14 MA's), (5, 38231), (7, 38279), (9, 38297),

Gene: IPhane7_53 Start: 38212, Stop: 38385, Start Num: 3
Candidate Starts for IPhane7_53:
(Start: 3 @38212 has 14 MA's), (5, 38236), (7, 38284), (9, 38302),

Gene: LilhomieP_52 Start: 38212, Stop: 38385, Start Num: 3
Candidate Starts for LilhomieP_52:
(Start: 3 @38212 has 14 MA's), (5, 38236), (7, 38284), (9, 38302),

Gene: Nanosmite_58 Start: 39866, Stop: 40042, Start Num: 3
Candidate Starts for Nanosmite_58:
(1, 39743), (Start: 3 @39866 has 14 MA's), (6, 39902), (9, 39959), (10, 39998),

Gene: PegLeg_53 Start: 38211, Stop: 38384, Start Num: 3
Candidate Starts for PegLeg_53:
(Start: 3 @38211 has 14 MA's), (5, 38235), (7, 38283), (9, 38301),

Gene: Reindeer_55 Start: 39414, Stop: 39587, Start Num: 3
Candidate Starts for Reindeer_55:
(1, 39291), (Start: 3 @39414 has 14 MA's), (8, 39501), (9, 39504),

Gene: Skinny_54 Start: 38641, Stop: 38814, Start Num: 3
Candidate Starts for Skinny_54:
(Start: 3 @38641 has 14 MA's), (5, 38665), (7, 38713), (9, 38731),

Gene: SlimJimmy_52 Start: 38195, Stop: 38368, Start Num: 3
Candidate Starts for SlimJimmy_52:
(Start: 3 @38195 has 14 MA's), (5, 38219), (7, 38267), (9, 38285),

Gene: TyDawg_53 Start: 38212, Stop: 38385, Start Num: 3
Candidate Starts for TyDawg_53:
(Start: 3 @38212 has 14 MA's), (5, 38236), (7, 38284), (9, 38302),