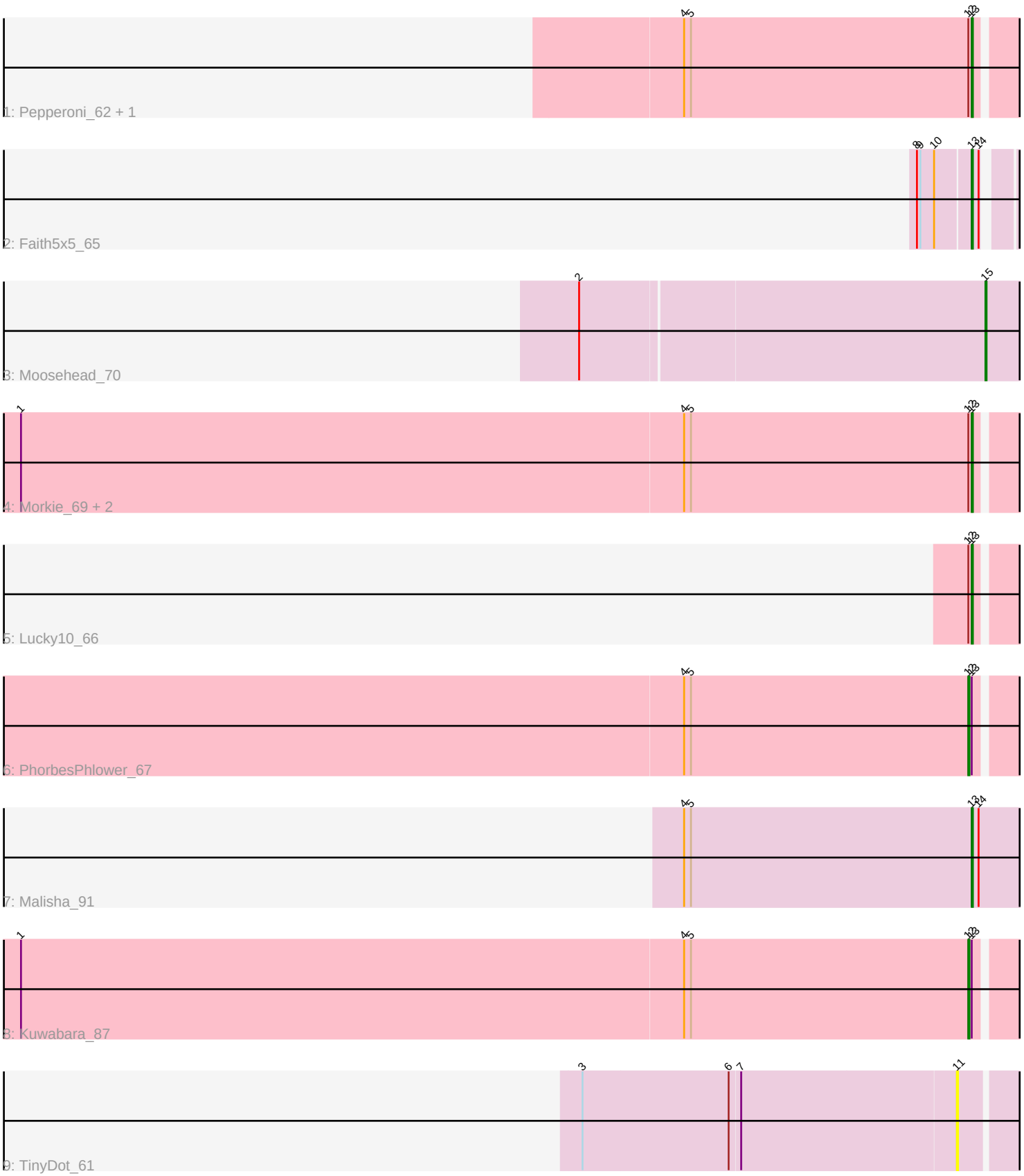
Pham 5482


1: Pepperoni_62 + 1
2: Faith5x5_65
3: Moosehead_70
4: Morkie_69 + 2
5: Lucky10_66
6: PhorbesPhlower_67
7: Malisha_91
8: Kuwabara_87
9: TinyDot_61

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 5482 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5482 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Pepperoni_62, Denise_66
• Track 2 : Faith5x5_65
• Track 3 : Moosehead_70
• Track 4 : Morkie_69, OneDirection_63, Lton_66
• Track 5 : Lucky10_66
• Track 6 : PhorbesPhlower_67
• Track 7 : Malisha_91
• Track 8 : Kuwabara_87
• Track 9 : TinyDot_61

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

The start number called the most often in the published annotations is 13, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Denise_66, Faith5x5_65, Lton_66, Lucky10_66, Malisha_91, Morkie_69, OneDirection_63, Pepperoni_62,

Genes that have the "Most Annotated" start but do not call it:
• Kuwabara_87, PhorbesPhlower_67,

Genes that do not have the "Most Annotated" start:
• Moosehead_70, TinyDot_61,

Summary by start number:

Start 11:
• Found in 1 of 12 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TinyDot_61 (singleton),

Start 12:

• Found in 8 of 12 (66.7%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Kuwabara_87 (DN4), PhorbesPhlower_67 (DH),

Start 13:
• Found in 10 of 12 (83.3%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Denise_66 (CZ5), Faith5x5_65 (CZ6), Lton_66 (CZ), Lucky10_66 (DH), Malisha_91 (DN), Morkie_69 (DH), OneDirection_63 (CZ6), Pepperoni_62 (CZ),

Start 15:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Moosehead_70 (CZ6),

Summary by clusters:

There are 7 clusters represented in this pham: DN, singleton, DH, DN4, CZ6, CZ5, CZ,

Info for manual annotations of cluster CZ:
•Start number 13 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ5:
•Start number 13 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:
•Start number 13 was manually annotated 2 times for cluster CZ6.
•Start number 15 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster DH:
•Start number 12 was manually annotated 1 time for cluster DH.
•Start number 13 was manually annotated 2 times for cluster DH.

Info for manual annotations of cluster DN:
•Start number 13 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN4:
•Start number 12 was manually annotated 1 time for cluster DN4.

Gene Information:

Gene: Denise_66 Start: 39992, Stop: 40138, Start Num: 13
Candidate Starts for Denise_66:
(4, 39740), (5, 39746), (Start: 12 @39989 has 2 MA's), (Start: 13 @39992 has 7 MA's),

Gene: Faith5x5_65 Start: 39001, Stop: 39138, Start Num: 13
Candidate Starts for Faith5x5_65:
(8, 38956), (9, 38959), (10, 38971), (Start: 13 @39001 has 7 MA's), (14, 39007),

Gene: Kuwabara_87 Start: 51606, Stop: 51755, Start Num: 12
Candidate Starts for Kuwabara_87:
(1, 50778), (4, 51357), (5, 51363), (Start: 12 @51606 has 2 MA's), (Start: 13 @51609 has 7 MA's),

Gene: Lton_66 Start: 38762, Stop: 38908, Start Num: 13
Candidate Starts for Lton_66:
(1, 37931), (4, 38510), (5, 38516), (Start: 12 @38759 has 2 MA's), (Start: 13 @38762 has 7 MA's),

Gene: Lucky10_66 Start: 41182, Stop: 41328, Start Num: 13
Candidate Starts for Lucky10_66:
(Start: 12 @41179 has 2 MA's), (Start: 13 @41182 has 7 MA's),

Gene: Malisha_91 Start: 53164, Stop: 53319, Start Num: 13
Candidate Starts for Malisha_91:
(4, 52912), (5, 52918), (Start: 13 @53164 has 7 MA's), (14, 53170),

Gene: Moosehead_70 Start: 39607, Stop: 39750, Start Num: 15
Candidate Starts for Moosehead_70:
(2, 39259), (Start: 15 @39607 has 1 MA's),

Gene: Morkie_69 Start: 39910, Stop: 40056, Start Num: 13
Candidate Starts for Morkie_69:
(1, 39079), (4, 39658), (5, 39664), (Start: 12 @39907 has 2 MA's), (Start: 13 @39910 has 7 MA's),

Gene: OneDirection_63 Start: 37324, Stop: 37470, Start Num: 13
Candidate Starts for OneDirection_63:
(1, 36493), (4, 37072), (5, 37078), (Start: 12 @37321 has 2 MA's), (Start: 13 @37324 has 7 MA's),

Gene: Pepperoni_62 Start: 38450, Stop: 38596, Start Num: 13
Candidate Starts for Pepperoni_62:
(4, 38198), (5, 38204), (Start: 12 @38447 has 2 MA's), (Start: 13 @38450 has 7 MA's),

Gene: PhorbesPhlower_67 Start: 39302, Stop: 39451, Start Num: 12
Candidate Starts for PhorbesPhlower_67:
(4, 39053), (5, 39059), (Start: 12 @39302 has 2 MA's), (Start: 13 @39305 has 7 MA's),

Gene: TinyDot_61 Start: 38391, Stop: 38555, Start Num: 11
Candidate Starts for TinyDot_61:
(3, 38070), (6, 38196), (7, 38205), (11, 38391),