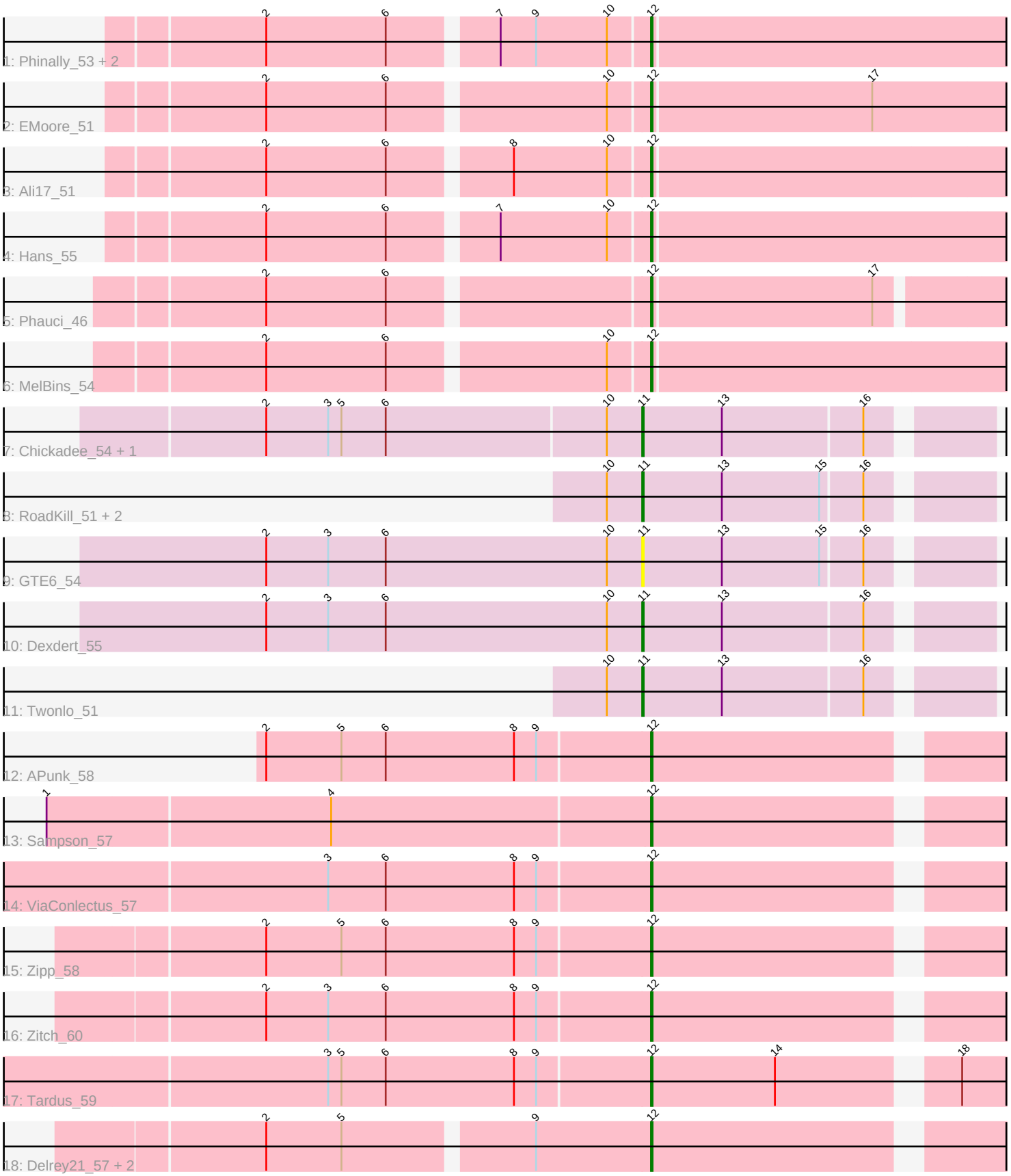
Pham 168477


1: Phinally_53 + 2
2: EMoore_51
3: Ali17_51
4: Hans_55
5: Phauci_46
6: MelBins_54
7: Chickadee_54 + 1
8: RoadKill_51 + 2
9: GTE6_54
10: Dexdert_55
11: Twonlo_51
12: APunk_58
13: Sampson_57
14: ViaConlectus_57
15: Zipp_58
16: Zitch_60
17: Tardus_59
18: Delrey21_57 + 2

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 168477 Report

This analysis was run 07/09/24 on database version 566.

Pham number 168477 has 25 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Phinally_53, Leonard_53, Inspectinfecti_54
• Track 2 : EMoore_51
• Track 3 : Ali17_51
• Track 4 : Hans_55
• Track 5 : Phauci_46
• Track 6 : MelBins_54
• Track 7 : Chickadee_54, Kwekel_54
• Track 8 : RoadKill_51, EdmundFerry_52, Tiamoceli_54
• Track 9 : GTE6_54
• Track 10 : Dexdert_55
• Track 11 : Twonlo_51
• Track 12 : APunk_58
• Track 13 : Sampson_57
• Track 14 : ViaConlectus_57
• Track 15 : Zipp_58
• Track 16 : Zitch_60
• Track 17 : Tardus_59
• Track 18 : Delrey21_57, DoctorFroggo_57, Verity_57

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

The start number called the most often in the published annotations is 12, it was called in 16 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• APunk_58, Ali17_51, Delrey21_57, DoctorFroggo_57, EMoore_51, Hans_55, Inspectinfecti_54, Leonard_53, MelBins_54, Phauci_46, Phinally_53, Sampson_57, Tardus_59, Verity_57, ViaConlectus_57, Zipp_58, Zitch_60,

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

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

• Chickadee_54, Dexdert_55, EdmundFerry_52, GTE6_54, Kwekel_54, RoadKill_51, Tiamoceli_54, Twonlo_51,

Summary by start number:

Start 11:
• Found in 8 of 25 (32.0%) of genes in pham
• Manual Annotations of this start: 7 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chickadee_54 (DE3), Dexdert_55 (DE3), EdmundFerry_52 (DE3), GTE6_54 (DE3), Kwekel_54 (DE3), RoadKill_51 (DE3), Tiamoceli_54 (DE3), Twonlo_51 (DE3),

Start 12:
• Found in 17 of 25 (68.0%) of genes in pham
• Manual Annotations of this start: 16 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: APunk_58 (DE4), Ali17_51 (DE2), Delrey21_57 (DE4), DoctorFroggo_57 (DE4), EMoore_51 (DE2), Hans_55 (DE2), Inspectinfecti_54 (DE2), Leonard_53 (DE2), MelBins_54 (DE2), Phauci_46 (DE2), Phinally_53 (DE2), Sampson_57 (DE4), Tardus_59 (DE4), Verity_57 (DE4), ViaConlectus_57 (DE4), Zipp_58 (DE4), Zitch_60 (DE4),

Summary by clusters:

There are 3 clusters represented in this pham: DE2, DE3, DE4,

Info for manual annotations of cluster DE2:
•Start number 12 was manually annotated 7 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 11 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 12 was manually annotated 9 times for cluster DE4.

Gene Information:

Gene: APunk_58 Start: 46202, Stop: 46435, Start Num: 12
Candidate Starts for APunk_58:
(2, 45950), (5, 46001), (6, 46031), (8, 46118), (9, 46133), (Start: 12 @46202 has 16 MA's),

Gene: Ali17_51 Start: 44072, Stop: 44317, Start Num: 12
Candidate Starts for Ali17_51:
(2, 43832), (6, 43913), (8, 43988), (10, 44051), (Start: 12 @44072 has 16 MA's),

Gene: Chickadee_54 Start: 42618, Stop: 42839, Start Num: 11
Candidate Starts for Chickadee_54:
(2, 42366), (3, 42408), (5, 42417), (6, 42447), (10, 42594), (Start: 11 @42618 has 7 MA's), (13, 42672), (16, 42765),

Gene: Delrey21_57 Start: 47419, Stop: 47652, Start Num: 12
Candidate Starts for Delrey21_57:
(2, 47176), (5, 47227), (9, 47347), (Start: 12 @47419 has 16 MA's),

Gene: Dexdert_55 Start: 42922, Stop: 43143, Start Num: 11
Candidate Starts for Dexdert_55:
(2, 42667), (3, 42709), (6, 42748), (10, 42898), (Start: 11 @42922 has 7 MA's), (13, 42976), (16, 43069),

Gene: DoctorFroggo_57 Start: 47419, Stop: 47652, Start Num: 12
Candidate Starts for DoctorFroggo_57:
(2, 47176), (5, 47227), (9, 47347), (Start: 12 @47419 has 16 MA's),

Gene: EMoore_51 Start: 45247, Stop: 45498, Start Num: 12
Candidate Starts for EMoore_51:
(2, 45007), (6, 45088), (10, 45226), (Start: 12 @45247 has 16 MA's), (17, 45394),

Gene: EdmundFerry_52 Start: 42582, Stop: 42803, Start Num: 11
Candidate Starts for EdmundFerry_52:
(10, 42558), (Start: 11 @42582 has 7 MA's), (13, 42636), (15, 42702), (16, 42729),

Gene: GTE6_54 Start: 43173, Stop: 43394, Start Num: 11
Candidate Starts for GTE6_54:
(2, 42918), (3, 42960), (6, 42999), (10, 43149), (Start: 11 @43173 has 7 MA's), (13, 43227), (15, 43293), (16, 43320),

Gene: Hans_55 Start: 44712, Stop: 44963, Start Num: 12
Candidate Starts for Hans_55:
(2, 44472), (6, 44553), (7, 44619), (10, 44691), (Start: 12 @44712 has 16 MA's),

Gene: Inspectinfecti_54 Start: 45158, Stop: 45403, Start Num: 12
Candidate Starts for Inspectinfecti_54:
(2, 44918), (6, 44999), (7, 45065), (9, 45089), (10, 45137), (Start: 12 @45158 has 16 MA's),

Gene: Kwekel_54 Start: 42531, Stop: 42752, Start Num: 11
Candidate Starts for Kwekel_54:
(2, 42279), (3, 42321), (5, 42330), (6, 42360), (10, 42507), (Start: 11 @42531 has 7 MA's), (13, 42585), (16, 42678),

Gene: Leonard_53 Start: 44797, Stop: 45048, Start Num: 12
Candidate Starts for Leonard_53:
(2, 44557), (6, 44638), (7, 44704), (9, 44728), (10, 44776), (Start: 12 @44797 has 16 MA's),

Gene: MelBins_54 Start: 45052, Stop: 45297, Start Num: 12
Candidate Starts for MelBins_54:
(2, 44812), (6, 44893), (10, 45031), (Start: 12 @45052 has 16 MA's),

Gene: Phauci_46 Start: 41715, Stop: 41951, Start Num: 12
Candidate Starts for Phauci_46:
(2, 41475), (6, 41556), (Start: 12 @41715 has 16 MA's), (17, 41862),

Gene: Phinally_53 Start: 44794, Stop: 45045, Start Num: 12
Candidate Starts for Phinally_53:

(2, 44554), (6, 44635), (7, 44701), (9, 44725), (10, 44773), (Start: 12 @44794 has 16 MA's),

Gene: RoadKill_51 Start: 42080, Stop: 42301, Start Num: 11
Candidate Starts for RoadKill_51:
(10, 42056), (Start: 11 @42080 has 7 MA's), (13, 42134), (15, 42200), (16, 42227),

Gene: Sampson_57 Start: 46635, Stop: 46868, Start Num: 12
Candidate Starts for Sampson_57:
(1, 46236), (4, 46425), (Start: 12 @46635 has 16 MA's),

Gene: Tardus_59 Start: 46390, Stop: 46623, Start Num: 12
Candidate Starts for Tardus_59:
(3, 46180), (5, 46189), (6, 46219), (8, 46306), (9, 46321), (Start: 12 @46390 has 16 MA's), (14, 46474), (18, 46579),

Gene: Tiamoceli_54 Start: 43371, Stop: 43592, Start Num: 11
Candidate Starts for Tiamoceli_54:
(10, 43347), (Start: 11 @43371 has 7 MA's), (13, 43425), (15, 43491), (16, 43518),

Gene: Twonlo_51 Start: 42001, Stop: 42222, Start Num: 11
Candidate Starts for Twonlo_51:
(10, 41977), (Start: 11 @42001 has 7 MA's), (13, 42055), (16, 42148),

Gene: Verity_57 Start: 47419, Stop: 47652, Start Num: 12
Candidate Starts for Verity_57:
(2, 47176), (5, 47227), (9, 47347), (Start: 12 @47419 has 16 MA's),

Gene: ViaConlectus_57 Start: 45345, Stop: 45578, Start Num: 12
Candidate Starts for ViaConlectus_57:
(3, 45132), (6, 45171), (8, 45258), (9, 45273), (Start: 12 @45345 has 16 MA's),

Gene: Zipp_58 Start: 47343, Stop: 47576, Start Num: 12
Candidate Starts for Zipp_58:
(2, 47091), (5, 47142), (6, 47172), (8, 47259), (9, 47274), (Start: 12 @47343 has 16 MA's),

Gene: Zitch_60 Start: 45466, Stop: 45699, Start Num: 12
Candidate Starts for Zitch_60:
(2, 45214), (3, 45256), (6, 45295), (8, 45382), (9, 45397), (Start: 12 @45466 has 16 MA's),