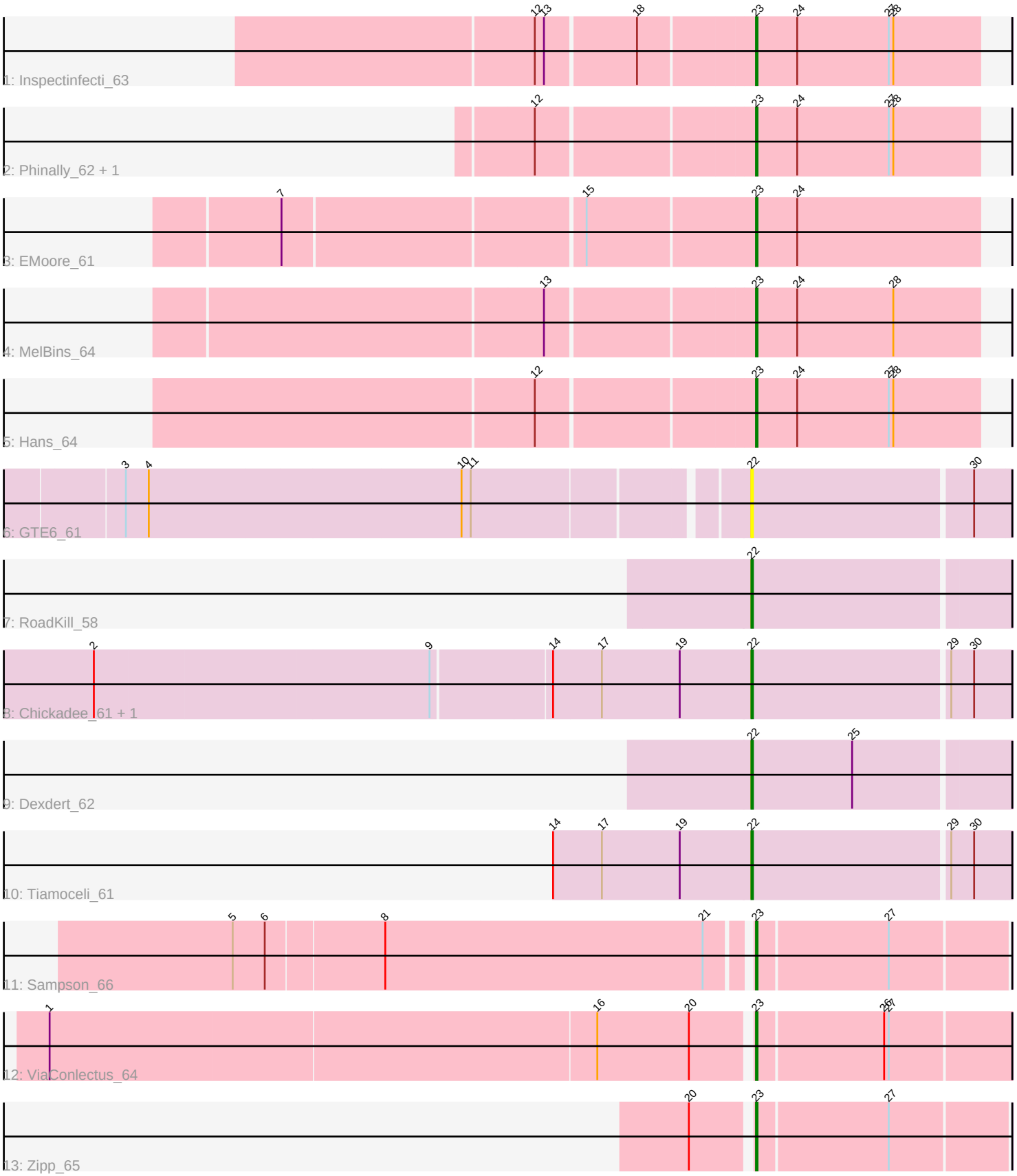
Pham 346270


1: Inspectinfecti_63
2: Phinally_62 + 1
3: EMoore_61
4: MelBins_64
5: Hans_64
6: GTE6_61
7: RoadKill_58
8: Chickadee_61 + 1
9: Dexdert_62
10: Tiamoceli_61
11: Sampson_66
12: ViaConlectus_64
13: Zipp_65

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 346270 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346270 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Inspectinfecti_63
• Track 2 : Phinally_62, Leonard_62
• Track 3 : EMoore_61
• Track 4 : MelBins_64
• Track 5 : Hans_64
• Track 6 : GTE6_61
• Track 7 : RoadKill_58
• Track 8 : Chickadee_61, Kwekel_61
• Track 9 : Dexdert_62
• Track 10 : Tiamoceli_61
• Track 11 : Sampson_66
• Track 12 : ViaConlectus_64
• Track 13 : Zipp_65

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

The start number called the most often in the published annotations is 23, it was called in 9 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EMoore_61, Hans_64, Inspectinfecti_63, Leonard_62, MelBins_64, Phinally_62, Sampson_66, ViaConlectus_64, Zipp_65,

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

Genes that do not have the "Most Annotated" start:
• Chickadee_61, Dexdert_62, GTE6_61, Kwekel_61, RoadKill_58, Tiamoceli_61,

Summary by start number:

Start 22:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 5 of 14

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chickadee_61 (DE3), Dexdert_62 (DE3), GTE6_61 (DE3), Kwekel_61 (DE3), RoadKill_58 (DE3), Tiamoceli_61 (DE3),

Start 23:
• Found in 9 of 15 (60.0%) of genes in pham
• Manual Annotations of this start: 9 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EMoore_61 (DE2), Hans_64 (DE2), Inspectinfecti_63 (DE2), Leonard_62 (DE2), MelBins_64 (DE2), Phinally_62 (DE2), Sampson_66 (DE4), ViaConlectus_64 (DE4), Zipp_65 (DE4),

Summary by clusters:

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

Info for manual annotations of cluster DE2:
•Start number 23 was manually annotated 6 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 22 was manually annotated 5 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 23 was manually annotated 3 times for cluster DE4.

Gene Information:

Gene: Chickadee_61 Start: 45582, Stop: 45746, Start Num: 22
Candidate Starts for Chickadee_61:
(2, 45168), (9, 45384), (14, 45459), (17, 45489), (19, 45540), (Start: 22 @45582 has 5 MA's), (29, 45708), (30, 45723),

Gene: Dexdert_62 Start: 45703, Stop: 45867, Start Num: 22
Candidate Starts for Dexdert_62:
(Start: 22 @45703 has 5 MA's), (25, 45769),

Gene: EMoore_61 Start: 49538, Stop: 49684, Start Num: 23
Candidate Starts for EMoore_61:
(7, 49241), (15, 49430), (Start: 23 @49538 has 9 MA's), (24, 49565),

Gene: GTE6_61 Start: 46038, Stop: 46202, Start Num: 22
Candidate Starts for GTE6_61:
(3, 45654), (4, 45669), (10, 45870), (11, 45876), (Start: 22 @46038 has 5 MA's), (30, 46179),

Gene: Hans_64 Start: 48946, Stop: 49092, Start Num: 23
Candidate Starts for Hans_64:
(12, 48811), (Start: 23 @48946 has 9 MA's), (24, 48973), (27, 49033), (28, 49036),

Gene: Inspectinfecti_63 Start: 49056, Stop: 49202, Start Num: 23
Candidate Starts for Inspectinfecti_63:

(12, 48921), (13, 48927), (18, 48984), (Start: 23 @49056 has 9 MA's), (24, 49083), (27, 49143), (28, 49146),

Gene: Kwekel_61 Start: 45495, Stop: 45659, Start Num: 22
Candidate Starts for Kwekel_61:
(2, 45081), (9, 45297), (14, 45372), (17, 45402), (19, 45453), (Start: 22 @45495 has 5 MA's), (29, 45621), (30, 45636),

Gene: Leonard_62 Start: 49133, Stop: 49279, Start Num: 23
Candidate Starts for Leonard_62:
(12, 48998), (Start: 23 @49133 has 9 MA's), (24, 49160), (27, 49220), (28, 49223),

Gene: MelBins_64 Start: 49370, Stop: 49516, Start Num: 23
Candidate Starts for MelBins_64:
(13, 49241), (Start: 23 @49370 has 9 MA's), (24, 49397), (28, 49460),

Gene: Phinally_62 Start: 49130, Stop: 49276, Start Num: 23
Candidate Starts for Phinally_62:
(12, 48995), (Start: 23 @49130 has 9 MA's), (24, 49157), (27, 49217), (28, 49220),

Gene: RoadKill_58 Start: 44996, Stop: 45160, Start Num: 22
Candidate Starts for RoadKill_58:
(Start: 22 @44996 has 5 MA's),

Gene: Sampson_66 Start: 49655, Stop: 49813, Start Num: 23
Candidate Starts for Sampson_66:
(5, 49328), (6, 49349), (8, 49424), (21, 49631), (Start: 23 @49655 has 9 MA's), (27, 49739),

Gene: Tiamoceli_61 Start: 46470, Stop: 46634, Start Num: 22
Candidate Starts for Tiamoceli_61:
(14, 46347), (17, 46377), (19, 46428), (Start: 22 @46470 has 5 MA's), (29, 46596), (30, 46611),

Gene: ViaConlectus_64 Start: 48340, Stop: 48501, Start Num: 23
Candidate Starts for ViaConlectus_64:
(1, 47890), (16, 48244), (20, 48304), (Start: 23 @48340 has 9 MA's), (26, 48421), (27, 48424),

Gene: Zipp_65 Start: 50512, Stop: 50670, Start Num: 23
Candidate Starts for Zipp_65:
(20, 50476), (Start: 23 @50512 has 9 MA's), (27, 50596),