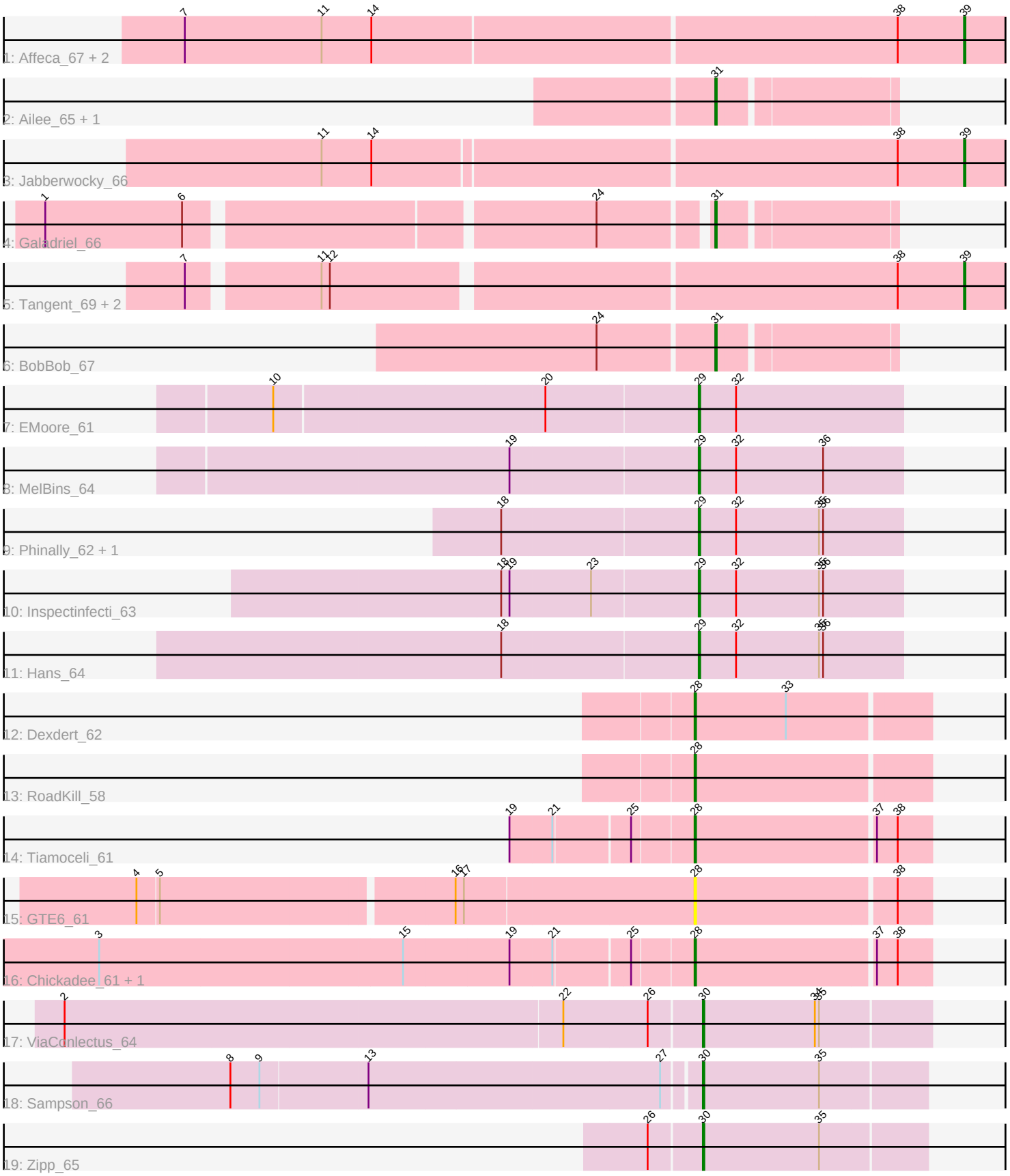
Pham 289691


1: Affeca_67 + 2
2: Ailee_65 + 1
3: Jabberwocky_66
4: Galadriel_66
5: Tangent_69 + 2
6: BobBob_67
7: EMoore_61
8: MelBins_64
9: Phinally_62 + 1
10: Inspectinfecti_63
11: Hans_64
12: Dexdert_62
13: RoadKill_58
14: Tiamoceli_61
15: GTE6_61
16: Chickadee_61 + 1
17: ViaConlectus_64
18: Sampson_66
19: 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 289691 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289691 has 26 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Affeca_67, Love_71, Shivanishola_66
• Track 2 : Ailee_65, Fitzgerald_66
• Track 3 : Jabberwocky_66
• Track 4 : Galadriel_66
• Track 5 : Tangent_69, Rofo_67, Nordenberg_65
• Track 6 : BobBob_67
• Track 7 : EMoore_61
• Track 8 : MelBins_64
• Track 9 : Phinally_62, Leonard_62
• Track 10 : Inspectinfecti_63
• Track 11 : Hans_64
• Track 12 : Dexdert_62
• Track 13 : RoadKill_58
• Track 14 : Tiamoceli_61
• Track 15 : GTE6_61
• Track 16 : Chickadee_61, Kwekel_61
• Track 17 : ViaConlectus_64
• Track 18 : Sampson_66
• Track 19 : 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 39, it was called in 7 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Affeca_67, Jabberwocky_66, Love_71, Nordenberg_65, Rofo_67, Shivanishola_66, Tangent_69,

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

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

• Ailee_65, BobBob_67, Chickadee_61, Dexdert_62, EMoore_61, Fitzgerald_66, GTE6_61, Galadriel_66, Hans_64, Inspectinfecti_63, Kwekel_61, Leonard_62, MelBins_64, Phinally_62, RoadKill_58, Sampson_66, Tiamoceli_61, ViaConlectus_64, Zipp_65,

Summary by start number:

Start 28:
• Found in 6 of 26 (23.1%) of genes in pham
• Manual Annotations of this start: 5 of 25
• 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 29:
• Found in 6 of 26 (23.1%) of genes in pham
• Manual Annotations of this start: 6 of 25
• 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),

Start 30:
• Found in 3 of 26 (11.5%) of genes in pham
• Manual Annotations of this start: 3 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sampson_66 (DE4), ViaConlectus_64 (DE4), Zipp_65 (DE4),

Start 31:
• Found in 4 of 26 (15.4%) of genes in pham
• Manual Annotations of this start: 4 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ailee_65 (DE1), BobBob_67 (DE1), Fitzgerald_66 (DE1), Galadriel_66 (DE1),

Start 39:
• Found in 7 of 26 (26.9%) of genes in pham
• Manual Annotations of this start: 7 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Affeca_67 (DE1), Jabberwocky_66 (DE1), Love_71 (DE1), Nordenberg_65 (DE1), Rofo_67 (DE1), Shivanishola_66 (DE1), Tangent_69 (DE1),

Summary by clusters:

There are 4 clusters represented in this pham: DE1, DE2, DE3, DE4,

Info for manual annotations of cluster DE1:
•Start number 31 was manually annotated 4 times for cluster DE1.
•Start number 39 was manually annotated 7 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 29 was manually annotated 6 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 28 was manually annotated 5 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 30 was manually annotated 3 times for cluster DE4.

Gene Information:

Gene: Affeca_67 Start: 51592, Stop: 51711, Start Num: 39
Candidate Starts for Affeca_67:
(7, 51037), (11, 51136), (14, 51172), (38, 51544), (Start: 39 @51592 has 7 MA's),

Gene: Ailee_65 Start: 50917, Stop: 51036, Start Num: 31
Candidate Starts for Ailee_65:
(Start: 31 @50917 has 4 MA's),

Gene: BobBob_67 Start: 50844, Stop: 50963, Start Num: 31
Candidate Starts for BobBob_67:
(24, 50763), (Start: 31 @50844 has 4 MA's),

Gene: Chickadee_61 Start: 45582, Stop: 45746, Start Num: 28
Candidate Starts for Chickadee_61:
(3, 45168), (15, 45384), (19, 45459), (21, 45489), (25, 45540), (Start: 28 @45582 has 5 MA's), (37, 45708), (38, 45723),

Gene: Dexdert_62 Start: 45703, Stop: 45867, Start Num: 28
Candidate Starts for Dexdert_62:
(Start: 28 @45703 has 5 MA's), (33, 45769),

Gene: EMoore_61 Start: 49538, Stop: 49684, Start Num: 29
Candidate Starts for EMoore_61:
(10, 49241), (20, 49430), (Start: 29 @49538 has 6 MA's), (32, 49565),

Gene: Fitzgerald_66 Start: 51659, Stop: 51778, Start Num: 31
Candidate Starts for Fitzgerald_66:
(Start: 31 @51659 has 4 MA's),

Gene: GTE6_61 Start: 46038, Stop: 46202, Start Num: 28
Candidate Starts for GTE6_61:
(4, 45654), (5, 45669), (16, 45870), (17, 45876), (Start: 28 @46038 has 5 MA's), (38, 46179),

Gene: Galadriel_66 Start: 51536, Stop: 51655, Start Num: 31
Candidate Starts for Galadriel_66:
(1, 51089), (6, 51188), (24, 51464), (Start: 31 @51536 has 4 MA's),

Gene: Hans_64 Start: 48946, Stop: 49092, Start Num: 29
Candidate Starts for Hans_64:
(18, 48811), (Start: 29 @48946 has 6 MA's), (32, 48973), (35, 49033), (36, 49036),

Gene: Inspectinfecti_63 Start: 49056, Stop: 49202, Start Num: 29

Candidate Starts for Inspectinfecti_63:
(18, 48921), (19, 48927), (23, 48984), (Start: 29 @49056 has 6 MA's), (32, 49083), (35, 49143), (36, 49146),

Gene: Jabberwocky_66 Start: 51918, Stop: 52037, Start Num: 39
Candidate Starts for Jabberwocky_66:
(11, 51465), (14, 51501), (38, 51870), (Start: 39 @51918 has 7 MA's),

Gene: Kwekel_61 Start: 45495, Stop: 45659, Start Num: 28
Candidate Starts for Kwekel_61:
(3, 45081), (15, 45297), (19, 45372), (21, 45402), (25, 45453), (Start: 28 @45495 has 5 MA's), (37, 45621), (38, 45636),

Gene: Leonard_62 Start: 49133, Stop: 49279, Start Num: 29
Candidate Starts for Leonard_62:
(18, 48998), (Start: 29 @49133 has 6 MA's), (32, 49160), (35, 49220), (36, 49223),

Gene: Love_71 Start: 52032, Stop: 52151, Start Num: 39
Candidate Starts for Love_71:
(7, 51477), (11, 51576), (14, 51612), (38, 51984), (Start: 39 @52032 has 7 MA's),

Gene: MelBins_64 Start: 49370, Stop: 49516, Start Num: 29
Candidate Starts for MelBins_64:
(19, 49241), (Start: 29 @49370 has 6 MA's), (32, 49397), (36, 49460),

Gene: Nordenberg_65 Start: 50152, Stop: 50271, Start Num: 39
Candidate Starts for Nordenberg_65:
(7, 49618), (11, 49705), (12, 49711), (38, 50104), (Start: 39 @50152 has 7 MA's),

Gene: Phinally_62 Start: 49130, Stop: 49276, Start Num: 29
Candidate Starts for Phinally_62:
(18, 48995), (Start: 29 @49130 has 6 MA's), (32, 49157), (35, 49217), (36, 49220),

Gene: RoadKill_58 Start: 44996, Stop: 45160, Start Num: 28
Candidate Starts for RoadKill_58:
(Start: 28 @44996 has 5 MA's),

Gene: Rofo_67 Start: 51164, Stop: 51283, Start Num: 39
Candidate Starts for Rofo_67:
(7, 50630), (11, 50717), (12, 50723), (38, 51116), (Start: 39 @51164 has 7 MA's),

Gene: Sampson_66 Start: 49655, Stop: 49813, Start Num: 30
Candidate Starts for Sampson_66:
(8, 49328), (9, 49349), (13, 49424), (27, 49631), (Start: 30 @49655 has 3 MA's), (35, 49739),

Gene: Shivanishola_66 Start: 49804, Stop: 49923, Start Num: 39
Candidate Starts for Shivanishola_66:
(7, 49249), (11, 49348), (14, 49384), (38, 49756), (Start: 39 @49804 has 7 MA's),

Gene: Tangent_69 Start: 50869, Stop: 50988, Start Num: 39
Candidate Starts for Tangent_69:
(7, 50335), (11, 50422), (12, 50428), (38, 50821), (Start: 39 @50869 has 7 MA's),

Gene: Tiamoceli_61 Start: 46470, Stop: 46634, Start Num: 28
Candidate Starts for Tiamoceli_61:
(19, 46347), (21, 46377), (25, 46428), (Start: 28 @46470 has 5 MA's), (37, 46596), (38, 46611),

Gene: ViaConlectus_64 Start: 48340, Stop: 48501, Start Num: 30
Candidate Starts for ViaConlectus_64:
(2, 47890), (22, 48244), (26, 48304), (Start: 30 @48340 has 3 MA's), (34, 48421), (35, 48424),

Gene: Zipp_65 Start: 50512, Stop: 50670, Start Num: 30
Candidate Starts for Zipp_65:
(26, 50476), (Start: 30 @50512 has 3 MA's), (35, 50596),