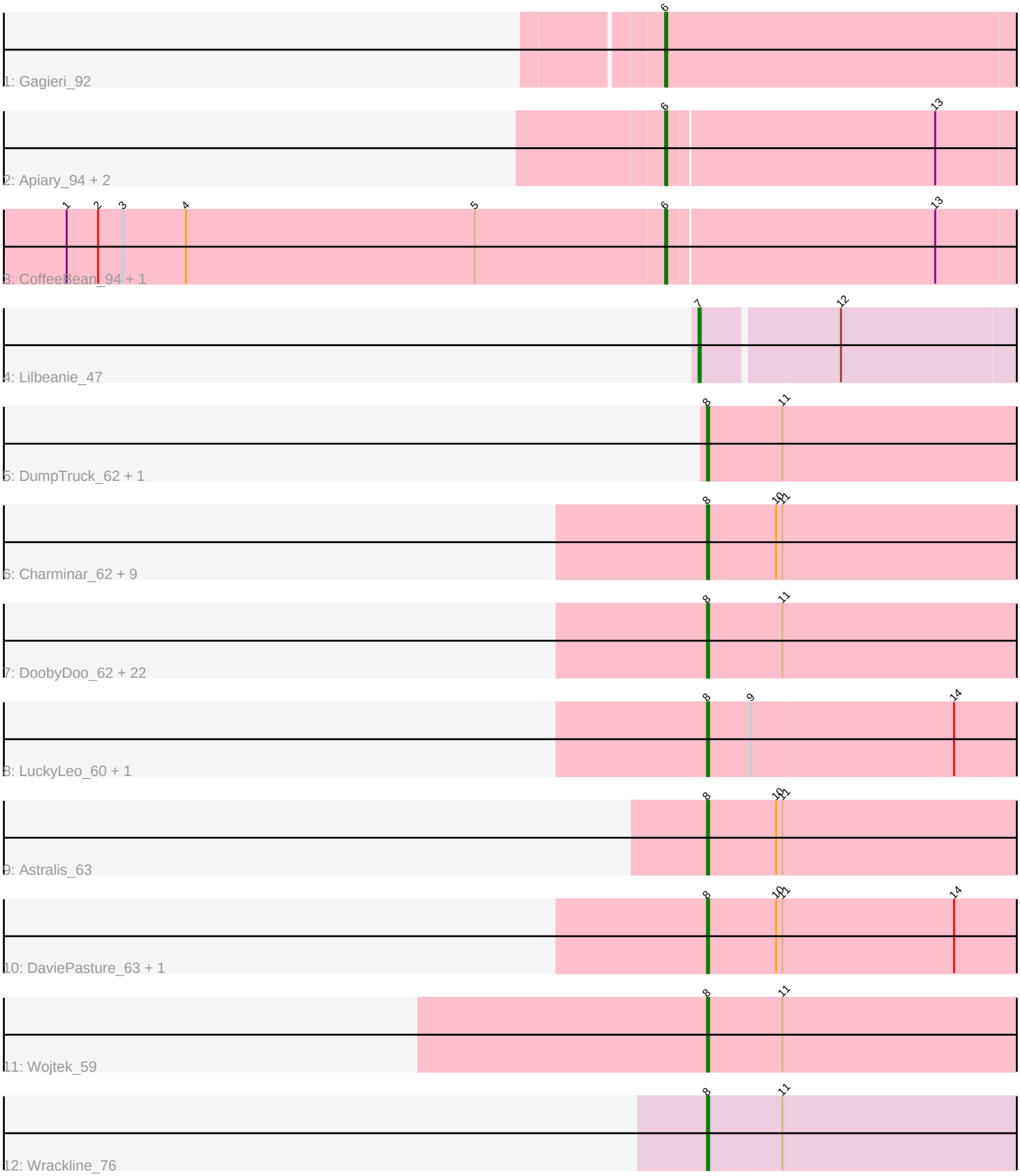
Pham 347725


1: Gagieri_92
2: Apiary_94 + 2
3: CoffeeBean_94 + 1
4: Lilbeanie_47
5: DumpTruck_62 + 1
6: Charminar_62 + 9
7: DoobyDoo_62 + 22
8: LuckyLeo_60 + 1
9: Astralis_63
10: DaviePasture_63 + 1
11: Wojtek_59
12: Wrackline_76

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 347725 Report

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

Pham number 347725 has 49 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Gagieri_92
• Track 2 : Apiary_94, Maselop_94, Polyyuki_93
• Track 3 : CoffeeBean_94, Braxoaddie_94
• Track 4 : Lilbeanie_47
• Track 5 : DumpTruck_62, Xenia2_61
• Track 6 : Charminar_62, Alyssamiracle_66, Rumi_64, Riduram_62, Stormer_63, Jamemuya19_62, Genamy16_66, NovaSharks_65, Rota_60, RazorC_63
• Track 7 : DoobyDoo_62, Nettle_64, Gibbin_65, Ranch_63, Erutan_63, Mima20_63, BirthdayBoy_65, Lila22_64, ParvusTarda_62, Sadboi_64, Sampudon_63, Yikes_65, MoiGyank_66, GretelLyn_63, Patos_67, NorManre_67, Zany_61, Lambo_61, Fulcrum_63, OtterstedtS21_63, Jalebi_62, GOATification_63, LavAbarElk_63
• Track 8 : LuckyLeo_60, Apeppi_58
• Track 9 : Astralis_63
• Track 10 : DaviePasture_63, Alephilan_63
• Track 11 : Wojtek_59
• Track 12 : Wrackline_76

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

The start number called the most often in the published annotations is 8, it was called in 39 of the 46 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alephilan_63, Alyssamiracle_66, Apeppi_58, Astralis_63, BirthdayBoy_65, Charminar_62, DaviePasture_63, DoobyDoo_62, DumpTruck_62, Erutan_63, Fulcrum_63, GOATification_63, Genamy16_66, Gibbin_65, GretelLyn_63, Jalebi_62, Jamemuya19_62, Lambo_61, LavAbarElk_63, Lila22_64, LuckyLeo_60, Mima20_63, MoiGyank_66, Nettle_64, NorManre_67, NovaSharks_65, OtterstedtS21_63, ParvusTarda_62, Patos_67, Ranch_63, RazorC_63, Riduram_62, Rota_60, Rumi_64, Sadboi_64, Sampudon_63, Stormer_63, Wojtek_59, Wrackline_76, Xenia2_61, Yikes_65, Zany_61,

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

Genes that do not have the "Most Annotated" start:
• Apiary_94, Braxoaddie_94, CoffeeBean_94, Gagieri_92, Lilbeanie_47, Maselop_94, Polyyuki_93,

Summary by start number:

Start 6:
• Found in 6 of 49 (12.2%) of genes in pham
• Manual Annotations of this start: 6 of 46
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apiary_94 (CR6), Braxoaddie_94 (CR6), CoffeeBean_94 (CR6), Gagieri_92 (CR6), Maselop_94 (CR6), Polyyuki_93 (CR6),

Start 7:
• Found in 1 of 49 (2.0%) of genes in pham
• Manual Annotations of this start: 1 of 46
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lilbeanie_47 (DE5),

Start 8:
• Found in 42 of 49 (85.7%) of genes in pham
• Manual Annotations of this start: 39 of 46
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alephilan_63 (DV), Alyssamiracle_66 (DV), Apeppi_58 (DV), Astralis_63 (DV), BirthdayBoy_65 (DV), Charminar_62 (DV), DaviePasture_63 (DV), DoobyDoo_62 (DV), DumpTruck_62 (DV), Erutan_63 (DV), Fulcrum_63 (DV), GOATification_63 (DV), Genamy16_66 (DV), Gibbin_65 (DV), GretelLyn_63 (DV), Jalebi_62 (DV), Jamemuya19_62 (DV), Lambo_61 (DV), LavAbarElk_63 (DV), Lila22_64 (DV), LuckyLeo_60 (DV), Mima20_63 (DV), MoiGyank_66 (DV), Nettle_64 (DV), NorManre_67 (DV), NovaSharks_65 (DV), OtterstedtS21_63 (DV), ParvusTarda_62 (DV), Patos_67 (DV), Ranch_63 (DV), RazorC_63 (DV), Riduram_62 (DV), Rota_60 (DV), Rumi_64 (DV), Sadboi_64 (DV), Sampudon_63 (DV), Stormer_63 (DV), Wojtek_59 (DV), Wrackline_76 (GF), Xenia2_61 (DV), Yikes_65 (DV), Zany_61 (DV),

Summary by clusters:

There are 4 clusters represented in this pham: DV, GF, CR6, DE5,

Info for manual annotations of cluster CR6:
•Start number 6 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster DE5:
•Start number 7 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DV:
•Start number 8 was manually annotated 38 times for cluster DV.

Info for manual annotations of cluster GF:
•Start number 8 was manually annotated 1 time for cluster GF.

Gene Information:

Gene: Alephilan_63 Start: 43052, Stop: 43213, Start Num: 8
Candidate Starts for Alephilan_63:
(Start: 8 @43052 has 39 MA's), (10, 43085), (11, 43088), (14, 43169),

Gene: Alyssamiracle_66 Start: 42158, Stop: 42319, Start Num: 8
Candidate Starts for Alyssamiracle_66:
(Start: 8 @42158 has 39 MA's), (10, 42191), (11, 42194),

Gene: Apeppi_58 Start: 42383, Stop: 42544, Start Num: 8
Candidate Starts for Apeppi_58:
(Start: 8 @42383 has 39 MA's), (9, 42404), (14, 42500),

Gene: Apiary_94 Start: 66194, Stop: 66391, Start Num: 6
Candidate Starts for Apiary_94:
(Start: 6 @66194 has 6 MA's), (13, 66320),

Gene: Astralis_63 Start: 41736, Stop: 41891, Start Num: 8
Candidate Starts for Astralis_63:
(Start: 8 @41736 has 39 MA's), (10, 41769), (11, 41772),

Gene: BirthdayBoy_65 Start: 43470, Stop: 43631, Start Num: 8
Candidate Starts for BirthdayBoy_65:
(Start: 8 @43470 has 39 MA's), (11, 43506),

Gene: Braxoaddie_94 Start: 66185, Stop: 66382, Start Num: 6
Candidate Starts for Braxoaddie_94:
(1, 65900), (2, 65915), (3, 65927), (4, 65957), (5, 66095), (Start: 6 @66185 has 6 MA's), (13, 66311),

Gene: Charminar_62 Start: 41504, Stop: 41665, Start Num: 8
Candidate Starts for Charminar_62:
(Start: 8 @41504 has 39 MA's), (10, 41537), (11, 41540),

Gene: CoffeeBean_94 Start: 66128, Stop: 66325, Start Num: 6
Candidate Starts for CoffeeBean_94:
(1, 65843), (2, 65858), (3, 65870), (4, 65900), (5, 66038), (Start: 6 @66128 has 6 MA's), (13, 66254),

Gene: DaviePasture_63 Start: 43078, Stop: 43239, Start Num: 8
Candidate Starts for DaviePasture_63:
(Start: 8 @43078 has 39 MA's), (10, 43111), (11, 43114), (14, 43195),

Gene: DoobyDoo_62 Start: 42100, Stop: 42261, Start Num: 8
Candidate Starts for DoobyDoo_62:
(Start: 8 @42100 has 39 MA's), (11, 42136),

Gene: DumpTruck_62 Start: 41789, Stop: 41950, Start Num: 8
Candidate Starts for DumpTruck_62:
(Start: 8 @41789 has 39 MA's), (11, 41825),

Gene: Erutan_63 Start: 42750, Stop: 42911, Start Num: 8
Candidate Starts for Erutan_63:
(Start: 8 @42750 has 39 MA's), (11, 42786),

Gene: Fulcrum_63 Start: 42766, Stop: 42927, Start Num: 8
Candidate Starts for Fulcrum_63:
(Start: 8 @42766 has 39 MA's), (11, 42802),

Gene: GOATification_63 Start: 42766, Stop: 42927, Start Num: 8
Candidate Starts for GOATification_63:
(Start: 8 @42766 has 39 MA's), (11, 42802),

Gene: Gagieri_92 Start: 65576, Stop: 65776, Start Num: 6
Candidate Starts for Gagieri_92:
(Start: 6 @65576 has 6 MA's),

Gene: Genamy16_66 Start: 42144, Stop: 42305, Start Num: 8
Candidate Starts for Genamy16_66:
(Start: 8 @42144 has 39 MA's), (10, 42177), (11, 42180),

Gene: Gibbin_65 Start: 43575, Stop: 43736, Start Num: 8
Candidate Starts for Gibbin_65:
(Start: 8 @43575 has 39 MA's), (11, 43611),

Gene: GretelLyn_63 Start: 43622, Stop: 43783, Start Num: 8
Candidate Starts for GretelLyn_63:
(Start: 8 @43622 has 39 MA's), (11, 43658),

Gene: Jalebi_62 Start: 43967, Stop: 44128, Start Num: 8
Candidate Starts for Jalebi_62:
(Start: 8 @43967 has 39 MA's), (11, 44003),

Gene: Jamemuya19_62 Start: 41749, Stop: 41910, Start Num: 8
Candidate Starts for Jamemuya19_62:
(Start: 8 @41749 has 39 MA's), (10, 41782), (11, 41785),

Gene: Lambo_61 Start: 42573, Stop: 42734, Start Num: 8
Candidate Starts for Lambo_61:
(Start: 8 @42573 has 39 MA's), (11, 42609),

Gene: LavAbarElk_63 Start: 42357, Stop: 42518, Start Num: 8
Candidate Starts for LavAbarElk_63:
(Start: 8 @42357 has 39 MA's), (11, 42393),

Gene: Lila22_64 Start: 43527, Stop: 43688, Start Num: 8
Candidate Starts for Lila22_64:
(Start: 8 @43527 has 39 MA's), (11, 43563),

Gene: Lilbeanie_47 Start: 36676, Stop: 36843, Start Num: 7
Candidate Starts for Lilbeanie_47:
(Start: 7 @36676 has 1 MA's), (12, 36739),

Gene: LuckyLeo_60 Start: 42383, Stop: 42544, Start Num: 8
Candidate Starts for LuckyLeo_60:
(Start: 8 @42383 has 39 MA's), (9, 42404), (14, 42500),

Gene: Maselop_94 Start: 66206, Stop: 66403, Start Num: 6
Candidate Starts for Maselop_94:
(Start: 6 @66206 has 6 MA's), (13, 66332),

Gene: Mima20_63 Start: 43130, Stop: 43291, Start Num: 8
Candidate Starts for Mima20_63:
(Start: 8 @43130 has 39 MA's), (11, 43166),

Gene: MoiGyank_66 Start: 43903, Stop: 44064, Start Num: 8
Candidate Starts for MoiGyank_66:
(Start: 8 @43903 has 39 MA's), (11, 43939),

Gene: Nettle_64 Start: 43557, Stop: 43718, Start Num: 8
Candidate Starts for Nettle_64:
(Start: 8 @43557 has 39 MA's), (11, 43593),

Gene: NorManre_67 Start: 43967, Stop: 44128, Start Num: 8
Candidate Starts for NorManre_67:
(Start: 8 @43967 has 39 MA's), (11, 44003),

Gene: NovaSharks_65 Start: 41735, Stop: 41896, Start Num: 8
Candidate Starts for NovaSharks_65:
(Start: 8 @41735 has 39 MA's), (10, 41768), (11, 41771),

Gene: OtterstedtS21_63 Start: 42909, Stop: 43070, Start Num: 8
Candidate Starts for OtterstedtS21_63:
(Start: 8 @42909 has 39 MA's), (11, 42945),

Gene: ParvusTarda_62 Start: 42284, Stop: 42445, Start Num: 8
Candidate Starts for ParvusTarda_62:
(Start: 8 @42284 has 39 MA's), (11, 42320),

Gene: Patos_67 Start: 43966, Stop: 44127, Start Num: 8
Candidate Starts for Patos_67:
(Start: 8 @43966 has 39 MA's), (11, 44002),

Gene: Polyyuki_93 Start: 66216, Stop: 66413, Start Num: 6
Candidate Starts for Polyyuki_93:
(Start: 6 @66216 has 6 MA's), (13, 66342),

Gene: Ranch_63 Start: 41741, Stop: 41902, Start Num: 8
Candidate Starts for Ranch_63:
(Start: 8 @41741 has 39 MA's), (11, 41777),

Gene: RazorC_63 Start: 41888, Stop: 42043, Start Num: 8
Candidate Starts for RazorC_63:
(Start: 8 @41888 has 39 MA's), (10, 41921), (11, 41924),

Gene: Riduram_62 Start: 41464, Stop: 41625, Start Num: 8
Candidate Starts for Riduram_62:
(Start: 8 @41464 has 39 MA's), (10, 41497), (11, 41500),

Gene: Rota_60 Start: 42811, Stop: 42972, Start Num: 8

Candidate Starts for Rota_60:
(Start: 8 @42811 has 39 MA's), (10, 42844), (11, 42847),

Gene: Rumi_64 Start: 41432, Stop: 41593, Start Num: 8
Candidate Starts for Rumi_64:
(Start: 8 @41432 has 39 MA's), (10, 41465), (11, 41468),

Gene: Sadboi_64 Start: 43623, Stop: 43784, Start Num: 8
Candidate Starts for Sadboi_64:
(Start: 8 @43623 has 39 MA's), (11, 43659),

Gene: Sampudon_63 Start: 43967, Stop: 44128, Start Num: 8
Candidate Starts for Sampudon_63:
(Start: 8 @43967 has 39 MA's), (11, 44003),

Gene: Stormer_63 Start: 41436, Stop: 41597, Start Num: 8
Candidate Starts for Stormer_63:
(Start: 8 @41436 has 39 MA's), (10, 41469), (11, 41472),

Gene: Wojtek_59 Start: 42007, Stop: 42168, Start Num: 8
Candidate Starts for Wojtek_59:
(Start: 8 @42007 has 39 MA's), (11, 42043),

Gene: Wrackline_76 Start: 40757, Stop: 40921, Start Num: 8
Candidate Starts for Wrackline_76:
(Start: 8 @40757 has 39 MA's), (11, 40793),

Gene: Xenia2_61 Start: 41323, Stop: 41484, Start Num: 8
Candidate Starts for Xenia2_61:
(Start: 8 @41323 has 39 MA's), (11, 41359),

Gene: Yikes_65 Start: 44061, Stop: 44222, Start Num: 8
Candidate Starts for Yikes_65:
(Start: 8 @44061 has 39 MA's), (11, 44097),

Gene: Zany_61 Start: 43470, Stop: 43631, Start Num: 8
Candidate Starts for Zany_61:
(Start: 8 @43470 has 39 MA's), (11, 43506),