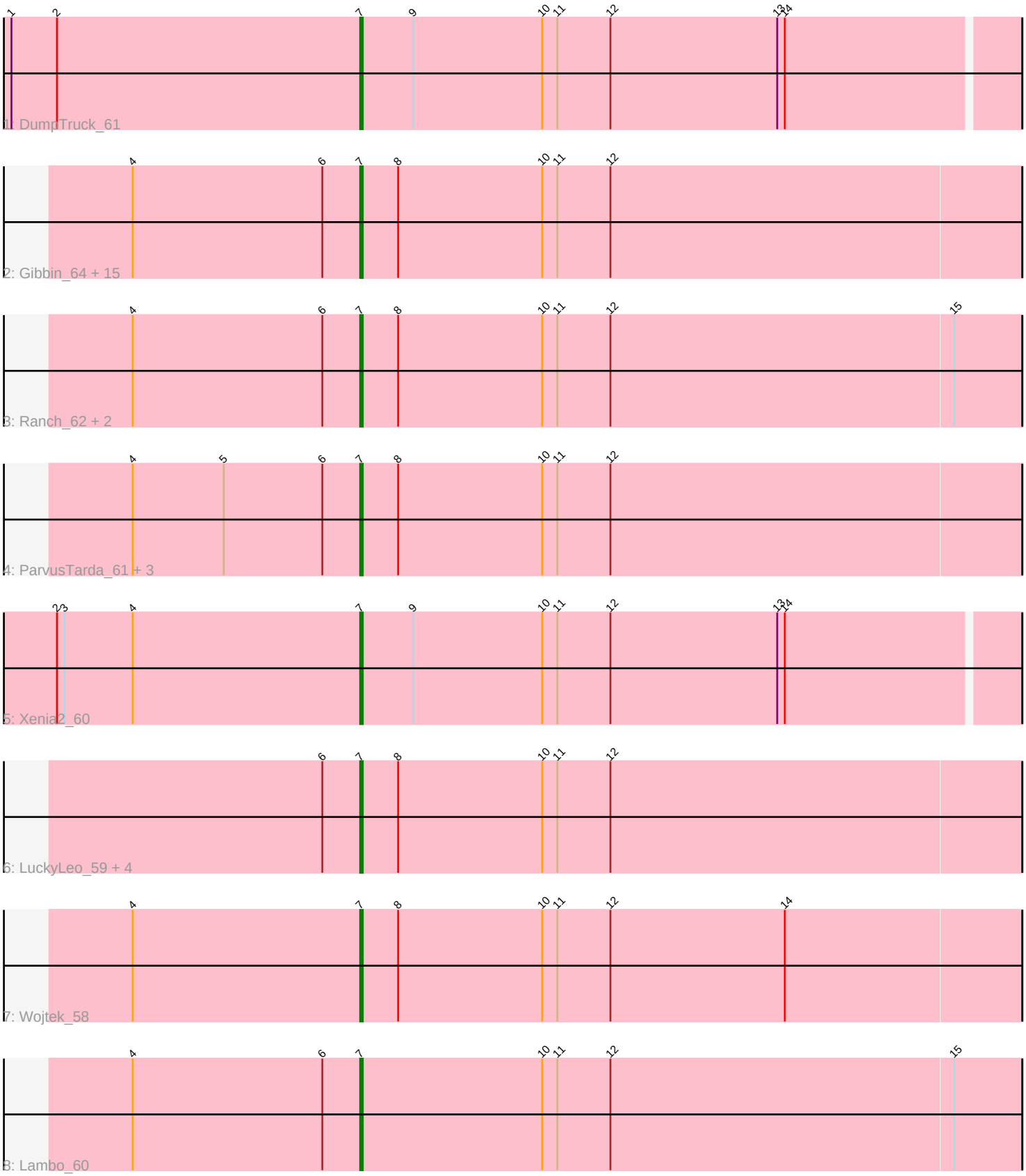
Pham 4273


1 2 7 9 10 11 12 13 14
1: DumpTruck_61
4 6 7 8 10 11 12
2: Gibbin_64 + 15
4 6 7 8 10 11 12 15
3: Ranch_62 + 2
4 5 6 7 8 10 11 12
4: ParvusTarda_61 + 3
2 3 4 7 9 10 11 12 13 14
5: Xenia2_60
6 7 8 10 11 12
6: LuckyLeo_59 + 4
4 7 8 10 11 12 14
7: Wojtek_58
4 6 7 10 11 12 15
8: Lambo_60

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 4273 Report

This analysis was run 04/28/24 on database version 559.

Pham number 4273 has 32 members, 7 are drafts.

Phages represented in each track:
• Track 1 : DumpTruck_61
• Track 2 : Gibbin_64, DoobyDoo_61, Alyssamiracle_65, Erutan_62, GretelLyn_62, Avian_62, Zany_60, Sadboi_63, Genamy16_65, Sampudon_62, NovaSharks_64, Yikes_64, MoiGyank_68, Rumi_63, Jalebi_61, Penjamin420_63
• Track 3 : Ranch_62, Fulcrum_62, GOATification_62
• Track 4 : ParvusTarda_61, Lila22_66, OtterstedtS21_62, BirthdayBoy_64
• Track 5 : Xenia2_60
• Track 6 : LuckyLeo_59, Tillicus_59, Patos_66, NorManre_66, Apeppi_57
• Track 7 : Wojtek_58
• Track 8 : Lambo_60

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

The start number called the most often in the published annotations is 7, it was called in 25 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alyssamiracle_65, Apeppi_57, Avian_62, BirthdayBoy_64, DoobyDoo_61, DumpTruck_61, Erutan_62, Fulcrum_62, GOATification_62, Genamy16_65, Gibbin_64, GretelLyn_62, Jalebi_61, Lambo_60, Lila22_66, LuckyLeo_59, MoiGyank_68, NorManre_66, NovaSharks_64, OtterstedtS21_62, ParvusTarda_61, Patos_66, Penjamin420_63, Ranch_62, Rumi_63, Sadboi_63, Sampudon_62, Tillicus_59, Wojtek_58, Xenia2_60, Yikes_64, Zany_60,

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

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

Summary by start number:

Start 7:
• Found in 32 of 32 (100.0%) of genes in pham

• Manual Annotations of this start: 25 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alyssamiracle_65 (DV), Apeppi_57 (DV), Avian_62 (DV), BirthdayBoy_64 (DV), DoobyDoo_61 (DV), DumpTruck_61 (DV), Erutan_62 (DV), Fulcrum_62 (DV), GOATification_62 (DV), Genamy16_65 (DV), Gibbin_64 (DV), GretelLyn_62 (DV), Jalebi_61 (DV), Lambo_60 (DV), Lila22_66 (DV), LuckyLeo_59 (DV), MoiGyank_68 (DV), NorManre_66 (DV), NovaSharks_64 (DV), OtterstedtS21_62 (DV), ParvusTarda_61 (DV), Patos_66 (DV), Penjamin420_63 (DV), Ranch_62 (DV), Rumi_63 (DV), Sadboi_63 (DV), Sampudon_62 (DV), Tillicus_59 (DV), Wojtek_58 (DV), Xenia2_60 (DV), Yikes_64 (DV), Zany_60 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:
•Start number 7 was manually annotated 25 times for cluster DV.

Gene Information:

Gene: Alyssamiracle_65 Start: 41901, Stop: 42161, Start Num: 7
Candidate Starts for Alyssamiracle_65:
(4, 41811), (6, 41886), (Start: 7 @41901 has 25 MA's), (8, 41916), (10, 41973), (11, 41979), (12, 42000),

Gene: Apeppi_57 Start: 42126, Stop: 42386, Start Num: 7
Candidate Starts for Apeppi_57:
(6, 42111), (Start: 7 @42126 has 25 MA's), (8, 42141), (10, 42198), (11, 42204), (12, 42225),

Gene: Avian_62 Start: 41629, Stop: 41889, Start Num: 7
Candidate Starts for Avian_62:
(4, 41539), (6, 41614), (Start: 7 @41629 has 25 MA's), (8, 41644), (10, 41701), (11, 41707), (12, 41728),

Gene: BirthdayBoy_64 Start: 43213, Stop: 43473, Start Num: 7
Candidate Starts for BirthdayBoy_64:
(4, 43123), (5, 43159), (6, 43198), (Start: 7 @43213 has 25 MA's), (8, 43228), (10, 43285), (11, 43291), (12, 43312),

Gene: DoobyDoo_61 Start: 41843, Stop: 42103, Start Num: 7
Candidate Starts for DoobyDoo_61:
(4, 41753), (6, 41828), (Start: 7 @41843 has 25 MA's), (8, 41858), (10, 41915), (11, 41921), (12, 41942),

Gene: DumpTruck_61 Start: 41535, Stop: 41792, Start Num: 7
Candidate Starts for DumpTruck_61:
(1, 41397), (2, 41415), (Start: 7 @41535 has 25 MA's), (9, 41556), (10, 41607), (11, 41613), (12, 41634), (13, 41700), (14, 41703),

Gene: Erutan_62 Start: 42493, Stop: 42753, Start Num: 7

Candidate Starts for Erutan_62:
(4, 42403), (6, 42478), (Start: 7 @42493 has 25 MA's), (8, 42508), (10, 42565), (11, 42571), (12, 42592),

Gene: Fulcrum_62 Start: 42509, Stop: 42769, Start Num: 7
Candidate Starts for Fulcrum_62:
(4, 42419), (6, 42494), (Start: 7 @42509 has 25 MA's), (8, 42524), (10, 42581), (11, 42587), (12, 42608), (15, 42743),

Gene: GOATification_62 Start: 42509, Stop: 42769, Start Num: 7
Candidate Starts for GOATification_62:
(4, 42419), (6, 42494), (Start: 7 @42509 has 25 MA's), (8, 42524), (10, 42581), (11, 42587), (12, 42608), (15, 42743),

Gene: Genamy16_65 Start: 41887, Stop: 42147, Start Num: 7
Candidate Starts for Genamy16_65:
(4, 41797), (6, 41872), (Start: 7 @41887 has 25 MA's), (8, 41902), (10, 41959), (11, 41965), (12, 41986),

Gene: Gibbin_64 Start: 43318, Stop: 43578, Start Num: 7
Candidate Starts for Gibbin_64:
(4, 43228), (6, 43303), (Start: 7 @43318 has 25 MA's), (8, 43333), (10, 43390), (11, 43396), (12, 43417),

Gene: GretelLyn_62 Start: 43365, Stop: 43625, Start Num: 7
Candidate Starts for GretelLyn_62:
(4, 43275), (6, 43350), (Start: 7 @43365 has 25 MA's), (8, 43380), (10, 43437), (11, 43443), (12, 43464),

Gene: Jalebi_61 Start: 43710, Stop: 43970, Start Num: 7
Candidate Starts for Jalebi_61:
(4, 43620), (6, 43695), (Start: 7 @43710 has 25 MA's), (8, 43725), (10, 43782), (11, 43788), (12, 43809),

Gene: Lambo_60 Start: 42316, Stop: 42576, Start Num: 7
Candidate Starts for Lambo_60:
(4, 42226), (6, 42301), (Start: 7 @42316 has 25 MA's), (10, 42388), (11, 42394), (12, 42415), (15, 42550),

Gene: Lila22_66 Start: 43270, Stop: 43530, Start Num: 7
Candidate Starts for Lila22_66:
(4, 43180), (5, 43216), (6, 43255), (Start: 7 @43270 has 25 MA's), (8, 43285), (10, 43342), (11, 43348), (12, 43369),

Gene: LuckyLeo_59 Start: 42126, Stop: 42386, Start Num: 7
Candidate Starts for LuckyLeo_59:
(6, 42111), (Start: 7 @42126 has 25 MA's), (8, 42141), (10, 42198), (11, 42204), (12, 42225),

Gene: MoiGyank_68 Start: 43646, Stop: 43906, Start Num: 7
Candidate Starts for MoiGyank_68:
(4, 43556), (6, 43631), (Start: 7 @43646 has 25 MA's), (8, 43661), (10, 43718), (11, 43724), (12, 43745),

Gene: NorManre_66 Start: 43710, Stop: 43970, Start Num: 7
Candidate Starts for NorManre_66:
(6, 43695), (Start: 7 @43710 has 25 MA's), (8, 43725), (10, 43782), (11, 43788), (12, 43809),

Gene: NovaSharks_64 Start: 41478, Stop: 41738, Start Num: 7
Candidate Starts for NovaSharks_64:
(4, 41388), (6, 41463), (Start: 7 @41478 has 25 MA's), (8, 41493), (10, 41550), (11, 41556), (12, 41577),

Gene: OtterstedtS21_62 Start: 42652, Stop: 42912, Start Num: 7
Candidate Starts for OtterstedtS21_62:
(4, 42562), (5, 42598), (6, 42637), (Start: 7 @42652 has 25 MA's), (8, 42667), (10, 42724), (11, 42730), (12, 42751),

Gene: ParvusTarda_61 Start: 42027, Stop: 42287, Start Num: 7
Candidate Starts for ParvusTarda_61:
(4, 41937), (5, 41973), (6, 42012), (Start: 7 @42027 has 25 MA's), (8, 42042), (10, 42099), (11, 42105), (12, 42126),

Gene: Patos_66 Start: 43709, Stop: 43969, Start Num: 7
Candidate Starts for Patos_66:
(6, 43694), (Start: 7 @43709 has 25 MA's), (8, 43724), (10, 43781), (11, 43787), (12, 43808),

Gene: Penjamin420_63 Start: 42821, Stop: 43081, Start Num: 7
Candidate Starts for Penjamin420_63:
(4, 42731), (6, 42806), (Start: 7 @42821 has 25 MA's), (8, 42836), (10, 42893), (11, 42899), (12, 42920),

Gene: Ranch_62 Start: 41484, Stop: 41744, Start Num: 7
Candidate Starts for Ranch_62:
(4, 41394), (6, 41469), (Start: 7 @41484 has 25 MA's), (8, 41499), (10, 41556), (11, 41562), (12, 41583), (15, 41718),

Gene: Rumi_63 Start: 41175, Stop: 41435, Start Num: 7
Candidate Starts for Rumi_63:
(4, 41085), (6, 41160), (Start: 7 @41175 has 25 MA's), (8, 41190), (10, 41247), (11, 41253), (12, 41274),

Gene: Sadboi_63 Start: 43366, Stop: 43626, Start Num: 7
Candidate Starts for Sadboi_63:
(4, 43276), (6, 43351), (Start: 7 @43366 has 25 MA's), (8, 43381), (10, 43438), (11, 43444), (12, 43465),

Gene: Sampudon_62 Start: 43710, Stop: 43970, Start Num: 7
Candidate Starts for Sampudon_62:
(4, 43620), (6, 43695), (Start: 7 @43710 has 25 MA's), (8, 43725), (10, 43782), (11, 43788), (12, 43809),

Gene: Tillicus_59 Start: 42067, Stop: 42327, Start Num: 7
Candidate Starts for Tillicus_59:
(6, 42052), (Start: 7 @42067 has 25 MA's), (8, 42082), (10, 42139), (11, 42145), (12, 42166),

Gene: Wojtek_58 Start: 41750, Stop: 42010, Start Num: 7

Candidate Starts for Wojtek_58:
(4, 41660), (Start: 7 @41750 has 25 MA's), (8, 41765), (10, 41822), (11, 41828), (12, 41849), (14, 41918),

Gene: Xenia2_60 Start: 41069, Stop: 41326, Start Num: 7
Candidate Starts for Xenia2_60:
(2, 40949), (3, 40952), (4, 40979), (Start: 7 @41069 has 25 MA's), (9, 41090), (10, 41141), (11, 41147), (12, 41168), (13, 41234), (14, 41237),

Gene: Yikes_64 Start: 43804, Stop: 44064, Start Num: 7
Candidate Starts for Yikes_64:
(4, 43714), (6, 43789), (Start: 7 @43804 has 25 MA's), (8, 43819), (10, 43876), (11, 43882), (12, 43903),

Gene: Zany_60 Start: 43213, Stop: 43473, Start Num: 7
Candidate Starts for Zany_60:
(4, 43123), (6, 43198), (Start: 7 @43213 has 25 MA's), (8, 43228), (10, 43285), (11, 43291), (12, 43312),