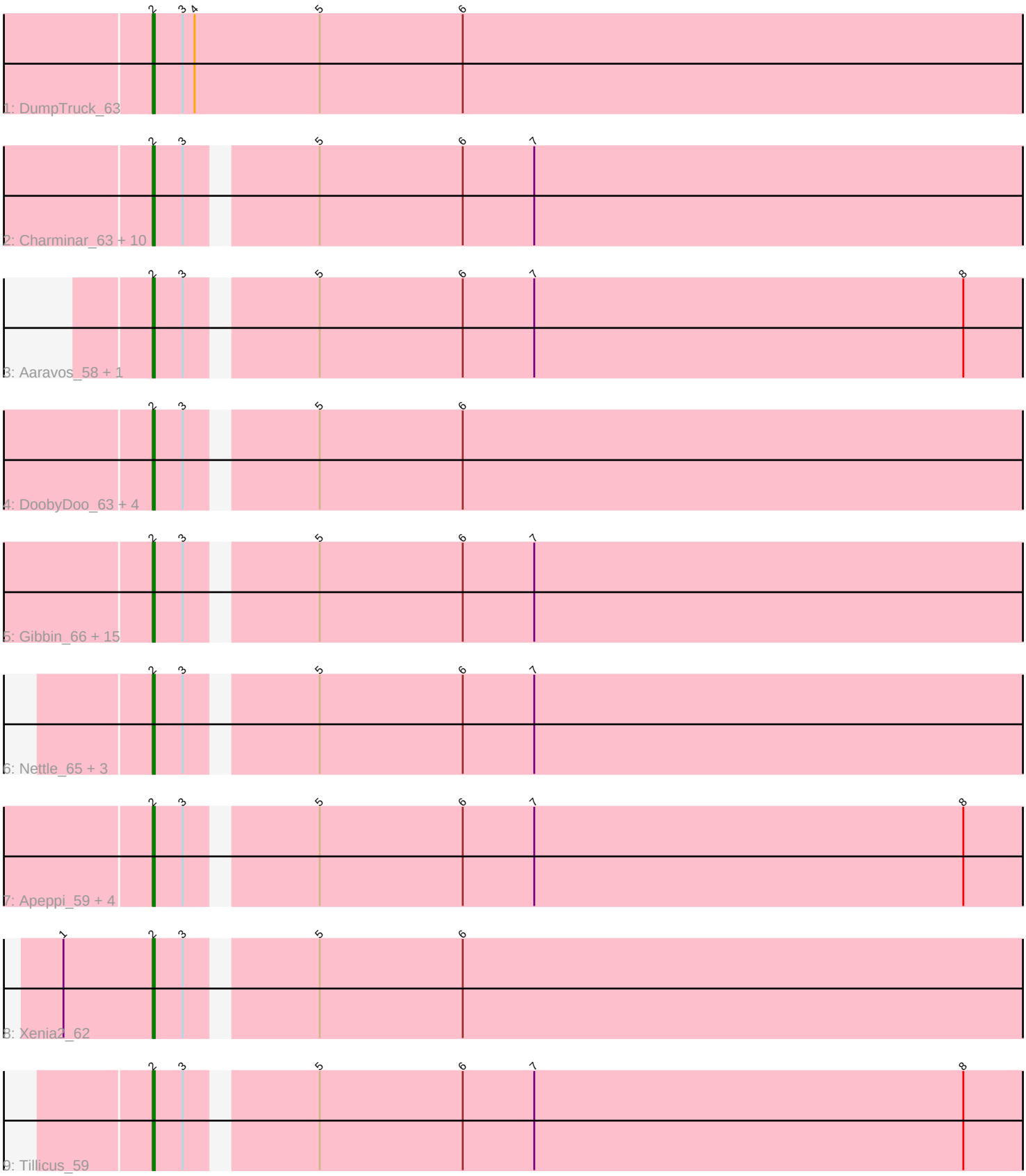
Pham 347753


1: DumpTruck_63
2: Charminar_63 + 10
3: Aaravos_58 + 1
4: DoobyDoo_63 + 4
5: Gibbin_66 + 15
6: Nettle_65 + 3
7: Apeppi_59 + 4
8: Xenia2_62
9: Tillicus_59

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 347753 Report

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

Pham number 347753 has 46 members, 6 are drafts.

Phages represented in each track:
• Track 1 : DumpTruck_63
• Track 2 : Charminar_63, NovaSharks_66, Stormer_64, Avian_62, Jamemuya19_63, Astralis_64, Genamy16_67, Alyssamiracle_67, Rumi_65, Riduram_63, RazorC_64
• Track 3 : Aaravos_58, Wojtek_60
• Track 4 : DoobyDoo_63, MoiGyank_67, Sampudon_64, Yikes_66, Jalebi_63
• Track 5 : Gibbin_66, Alephilan_64, GretelLyn_64, Erutan_64, Mima20_64, Rukungu_66, Lila22_65, ParvusTarda_63, Pywacket_61, Sadboi_65, Rota_61, Fulcrum_64, OtterstedtS21_64, LavAbarElk_64, GOATification_64, BirthdayBoy_66
• Track 6 : Nettle_65, Zany_62, DaviePasture_64, Lambo_62
• Track 7 : Apeppi_59, LuckyLeo_61, Patos_68, NorManre_68, Ranch_64
• Track 8 : Xenia2_62
• Track 9 : Tillicus_59

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

The start number called the most often in the published annotations is 2, it was called in 40 of the 40 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aaravos_58, Alephilan_64, Alyssamiracle_67, Apeppi_59, Astralis_64, Avian_62, BirthdayBoy_66, Charminar_63, DaviePasture_64, DoobyDoo_63, DumpTruck_63, Erutan_64, Fulcrum_64, GOATification_64, Genamy16_67, Gibbin_66, GretelLyn_64, Jalebi_63, Jamemuya19_63, Lambo_62, LavAbarElk_64, Lila22_65, LuckyLeo_61, Mima20_64, MoiGyank_67, Nettle_65, NorManre_68, NovaSharks_66, OtterstedtS21_64, ParvusTarda_63, Patos_68, Pywacket_61, Ranch_64, RazorC_64, Riduram_63, Rota_61, Rukungu_66, Rumi_65, Sadboi_65, Sampudon_64, Stormer_64, Tillicus_59, Wojtek_60, Xenia2_62, Yikes_66, Zany_62,

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 2:
• Found in 46 of 46 (100.0%) of genes in pham
• Manual Annotations of this start: 40 of 40
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aaravos_58 (DV), Alephilan_64 (DV), Alyssamiracle_67 (DV), Apeppi_59 (DV), Astralis_64 (DV), Avian_62 (DV), BirthdayBoy_66 (DV), Charminar_63 (DV), DaviePasture_64 (DV), DoobyDoo_63 (DV), DumpTruck_63 (DV), Erutan_64 (DV), Fulcrum_64 (DV), GOATification_64 (DV), Genamy16_67 (DV), Gibbin_66 (DV), GretelLyn_64 (DV), Jalebi_63 (DV), Jamemuya19_63 (DV), Lambo_62 (DV), LavAbarElk_64 (DV), Lila22_65 (DV), LuckyLeo_61 (DV), Mima20_64 (DV), MoiGyank_67 (DV), Nettle_65 (DV), NorManre_68 (DV), NovaSharks_66 (DV), OtterstedtS21_64 (DV), ParvusTarda_63 (DV), Patos_68 (DV), Pywacket_61 (DV), Ranch_64 (DV), RazorC_64 (DV), Riduram_63 (DV), Rota_61 (DV), Rukungu_66 (DV), Rumi_65 (DV), Sadboi_65 (DV), Sampudon_64 (DV), Stormer_64 (DV), Tillicus_59 (DV), Wojtek_60 (DV), Xenia2_62 (DV), Yikes_66 (DV), Zany_62 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:
•Start number 2 was manually annotated 40 times for cluster DV.

Gene Information:

Gene: Aaravos_58 Start: 42607, Stop: 43086, Start Num: 2
Candidate Starts for Aaravos_58:
(Start: 2 @42607 has 40 MA's), (3, 42622), (5, 42679), (6, 42751), (7, 42787), (8, 43003),

Gene: Alephilan_64 Start: 43346, Stop: 43825, Start Num: 2
Candidate Starts for Alephilan_64:
(Start: 2 @43346 has 40 MA's), (3, 43361), (5, 43418), (6, 43490), (7, 43526),

Gene: Alyssamiracle_67 Start: 42452, Stop: 42931, Start Num: 2
Candidate Starts for Alyssamiracle_67:
(Start: 2 @42452 has 40 MA's), (3, 42467), (5, 42524), (6, 42596), (7, 42632),

Gene: Apeppi_59 Start: 42677, Stop: 43156, Start Num: 2
Candidate Starts for Apeppi_59:
(Start: 2 @42677 has 40 MA's), (3, 42692), (5, 42749), (6, 42821), (7, 42857), (8, 43073),

Gene: Astralis_64 Start: 42031, Stop: 42510, Start Num: 2
Candidate Starts for Astralis_64:
(Start: 2 @42031 has 40 MA's), (3, 42046), (5, 42103), (6, 42175), (7, 42211),

Gene: Avian_62 Start: 42180, Stop: 42659, Start Num: 2
Candidate Starts for Avian_62:
(Start: 2 @42180 has 40 MA's), (3, 42195), (5, 42252), (6, 42324), (7, 42360),

Gene: BirthdayBoy_66 Start: 43763, Stop: 44242, Start Num: 2
Candidate Starts for BirthdayBoy_66:
(Start: 2 @43763 has 40 MA's), (3, 43778), (5, 43835), (6, 43907), (7, 43943),

Gene: Charminar_63 Start: 41798, Stop: 42277, Start Num: 2
Candidate Starts for Charminar_63:
(Start: 2 @41798 has 40 MA's), (3, 41813), (5, 41870), (6, 41942), (7, 41978),

Gene: DaviePasture_64 Start: 43372, Stop: 43851, Start Num: 2
Candidate Starts for DaviePasture_64:
(Start: 2 @43372 has 40 MA's), (3, 43387), (5, 43444), (6, 43516), (7, 43552),

Gene: DoobyDoo_63 Start: 42393, Stop: 42872, Start Num: 2
Candidate Starts for DoobyDoo_63:
(Start: 2 @42393 has 40 MA's), (3, 42408), (5, 42465), (6, 42537),

Gene: DumpTruck_63 Start: 42082, Stop: 42579, Start Num: 2
Candidate Starts for DumpTruck_63:
(Start: 2 @42082 has 40 MA's), (3, 42097), (4, 42103), (5, 42166), (6, 42238),

Gene: Erutan_64 Start: 43043, Stop: 43522, Start Num: 2
Candidate Starts for Erutan_64:
(Start: 2 @43043 has 40 MA's), (3, 43058), (5, 43115), (6, 43187), (7, 43223),

Gene: Fulcrum_64 Start: 43059, Stop: 43538, Start Num: 2
Candidate Starts for Fulcrum_64:
(Start: 2 @43059 has 40 MA's), (3, 43074), (5, 43131), (6, 43203), (7, 43239),

Gene: GOATification_64 Start: 43059, Stop: 43538, Start Num: 2
Candidate Starts for GOATification_64:
(Start: 2 @43059 has 40 MA's), (3, 43074), (5, 43131), (6, 43203), (7, 43239),

Gene: Genamy16_67 Start: 42438, Stop: 42917, Start Num: 2
Candidate Starts for Genamy16_67:
(Start: 2 @42438 has 40 MA's), (3, 42453), (5, 42510), (6, 42582), (7, 42618),

Gene: Gibbin_66 Start: 43868, Stop: 44347, Start Num: 2
Candidate Starts for Gibbin_66:
(Start: 2 @43868 has 40 MA's), (3, 43883), (5, 43940), (6, 44012), (7, 44048),

Gene: GretelLyn_64 Start: 43915, Stop: 44394, Start Num: 2
Candidate Starts for GretelLyn_64:
(Start: 2 @43915 has 40 MA's), (3, 43930), (5, 43987), (6, 44059), (7, 44095),

Gene: Jalebi_63 Start: 44260, Stop: 44739, Start Num: 2
Candidate Starts for Jalebi_63:
(Start: 2 @44260 has 40 MA's), (3, 44275), (5, 44332), (6, 44404),

Gene: Jamemuya19_63 Start: 42043, Stop: 42522, Start Num: 2
Candidate Starts for Jamemuya19_63:
(Start: 2 @42043 has 40 MA's), (3, 42058), (5, 42115), (6, 42187), (7, 42223),

Gene: Lambo_62 Start: 42866, Stop: 43345, Start Num: 2
Candidate Starts for Lambo_62:
(Start: 2 @42866 has 40 MA's), (3, 42881), (5, 42938), (6, 43010), (7, 43046),

Gene: LavAbarElk_64 Start: 42650, Stop: 43129, Start Num: 2
Candidate Starts for LavAbarElk_64:
(Start: 2 @42650 has 40 MA's), (3, 42665), (5, 42722), (6, 42794), (7, 42830),

Gene: Lila22_65 Start: 43820, Stop: 44299, Start Num: 2
Candidate Starts for Lila22_65:
(Start: 2 @43820 has 40 MA's), (3, 43835), (5, 43892), (6, 43964), (7, 44000),

Gene: LuckyLeo_61 Start: 42677, Stop: 43156, Start Num: 2
Candidate Starts for LuckyLeo_61:
(Start: 2 @42677 has 40 MA's), (3, 42692), (5, 42749), (6, 42821), (7, 42857), (8, 43073),

Gene: Mima20_64 Start: 43423, Stop: 43902, Start Num: 2
Candidate Starts for Mima20_64:
(Start: 2 @43423 has 40 MA's), (3, 43438), (5, 43495), (6, 43567), (7, 43603),

Gene: MoiGyank_67 Start: 44196, Stop: 44675, Start Num: 2
Candidate Starts for MoiGyank_67:
(Start: 2 @44196 has 40 MA's), (3, 44211), (5, 44268), (6, 44340),

Gene: Nettle_65 Start: 43850, Stop: 44329, Start Num: 2
Candidate Starts for Nettle_65:
(Start: 2 @43850 has 40 MA's), (3, 43865), (5, 43922), (6, 43994), (7, 44030),

Gene: NorManre_68 Start: 44260, Stop: 44739, Start Num: 2
Candidate Starts for NorManre_68:
(Start: 2 @44260 has 40 MA's), (3, 44275), (5, 44332), (6, 44404), (7, 44440), (8, 44656),

Gene: NovaSharks_66 Start: 42029, Stop: 42508, Start Num: 2
Candidate Starts for NovaSharks_66:
(Start: 2 @42029 has 40 MA's), (3, 42044), (5, 42101), (6, 42173), (7, 42209),

Gene: OtterstedtS21_64 Start: 43202, Stop: 43681, Start Num: 2
Candidate Starts for OtterstedtS21_64:
(Start: 2 @43202 has 40 MA's), (3, 43217), (5, 43274), (6, 43346), (7, 43382),

Gene: ParvusTarda_63 Start: 42577, Stop: 43056, Start Num: 2
Candidate Starts for ParvusTarda_63:
(Start: 2 @42577 has 40 MA's), (3, 42592), (5, 42649), (6, 42721), (7, 42757),

Gene: Patos_68 Start: 44259, Stop: 44738, Start Num: 2
Candidate Starts for Patos_68:
(Start: 2 @44259 has 40 MA's), (3, 44274), (5, 44331), (6, 44403), (7, 44439), (8, 44655),

Gene: Pywacket_61 Start: 44032, Stop: 44511, Start Num: 2
Candidate Starts for Pywacket_61:
(Start: 2 @44032 has 40 MA's), (3, 44047), (5, 44104), (6, 44176), (7, 44212),

Gene: Ranch_64 Start: 42034, Stop: 42513, Start Num: 2

Candidate Starts for Ranch_64:
(Start: 2 @42034 has 40 MA's), (3, 42049), (5, 42106), (6, 42178), (7, 42214), (8, 42430),

Gene: RazorC_64 Start: 42183, Stop: 42662, Start Num: 2
Candidate Starts for RazorC_64:
(Start: 2 @42183 has 40 MA's), (3, 42198), (5, 42255), (6, 42327), (7, 42363),

Gene: Riduram_63 Start: 41758, Stop: 42237, Start Num: 2
Candidate Starts for Riduram_63:
(Start: 2 @41758 has 40 MA's), (3, 41773), (5, 41830), (6, 41902), (7, 41938),

Gene: Rota_61 Start: 43105, Stop: 43584, Start Num: 2
Candidate Starts for Rota_61:
(Start: 2 @43105 has 40 MA's), (3, 43120), (5, 43177), (6, 43249), (7, 43285),

Gene: Rukungu_66 Start: 44107, Stop: 44586, Start Num: 2
Candidate Starts for Rukungu_66:
(Start: 2 @44107 has 40 MA's), (3, 44122), (5, 44179), (6, 44251), (7, 44287),

Gene: Rumi_65 Start: 41726, Stop: 42205, Start Num: 2
Candidate Starts for Rumi_65:
(Start: 2 @41726 has 40 MA's), (3, 41741), (5, 41798), (6, 41870), (7, 41906),

Gene: Sadboi_65 Start: 43916, Stop: 44395, Start Num: 2
Candidate Starts for Sadboi_65:
(Start: 2 @43916 has 40 MA's), (3, 43931), (5, 43988), (6, 44060), (7, 44096),

Gene: Sampudon_64 Start: 44260, Stop: 44739, Start Num: 2
Candidate Starts for Sampudon_64:
(Start: 2 @44260 has 40 MA's), (3, 44275), (5, 44332), (6, 44404),

Gene: Stormer_64 Start: 41730, Stop: 42209, Start Num: 2
Candidate Starts for Stormer_64:
(Start: 2 @41730 has 40 MA's), (3, 41745), (5, 41802), (6, 41874), (7, 41910),

Gene: Tillicus_59 Start: 42618, Stop: 43097, Start Num: 2
Candidate Starts for Tillicus_59:
(Start: 2 @42618 has 40 MA's), (3, 42633), (5, 42690), (6, 42762), (7, 42798), (8, 43014),

Gene: Wojtek_60 Start: 42299, Stop: 42778, Start Num: 2
Candidate Starts for Wojtek_60:
(Start: 2 @42299 has 40 MA's), (3, 42314), (5, 42371), (6, 42443), (7, 42479), (8, 42695),

Gene: Xenia2_62 Start: 41620, Stop: 42105, Start Num: 2
Candidate Starts for Xenia2_62:
(1, 41575), (Start: 2 @41620 has 40 MA's), (3, 41635), (5, 41692), (6, 41764),

Gene: Yikes_66 Start: 44354, Stop: 44833, Start Num: 2
Candidate Starts for Yikes_66:
(Start: 2 @44354 has 40 MA's), (3, 44369), (5, 44426), (6, 44498),

Gene: Zany_62 Start: 43763, Stop: 44242, Start Num: 2
Candidate Starts for Zany_62:

(Start: 2 @43763 has 40 MA's), (3, 43778), (5, 43835), (6, 43907), (7, 43943),