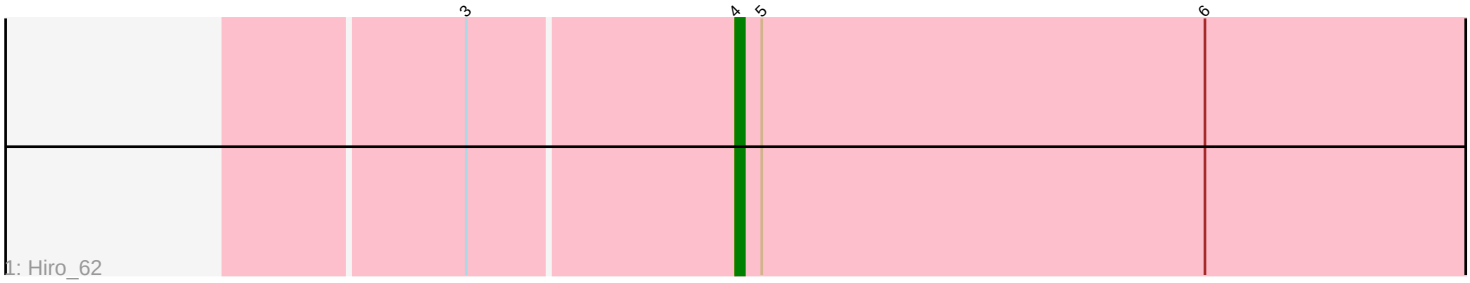
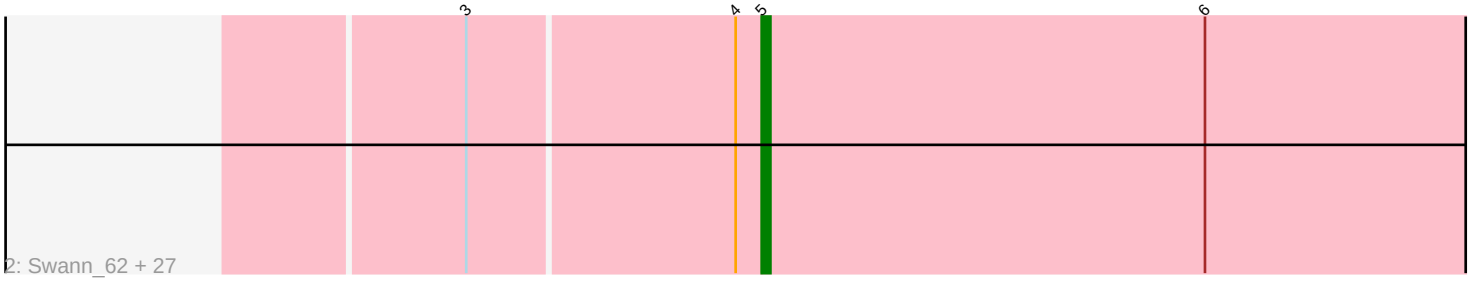
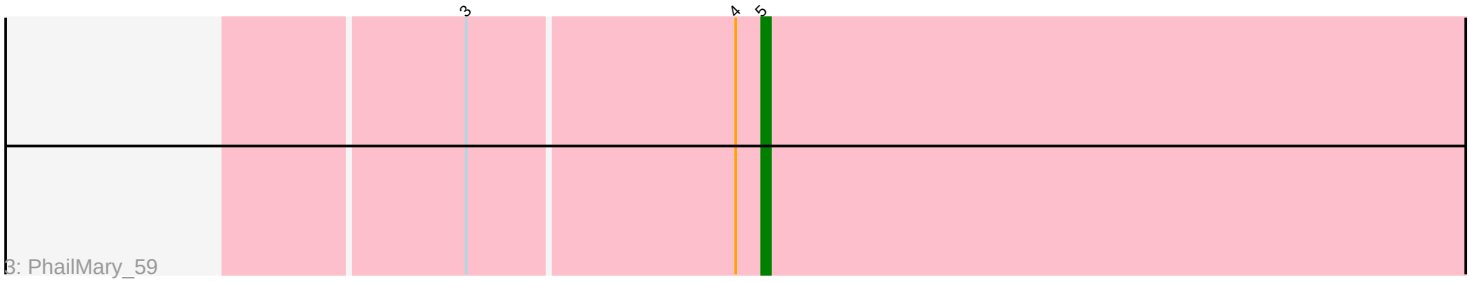
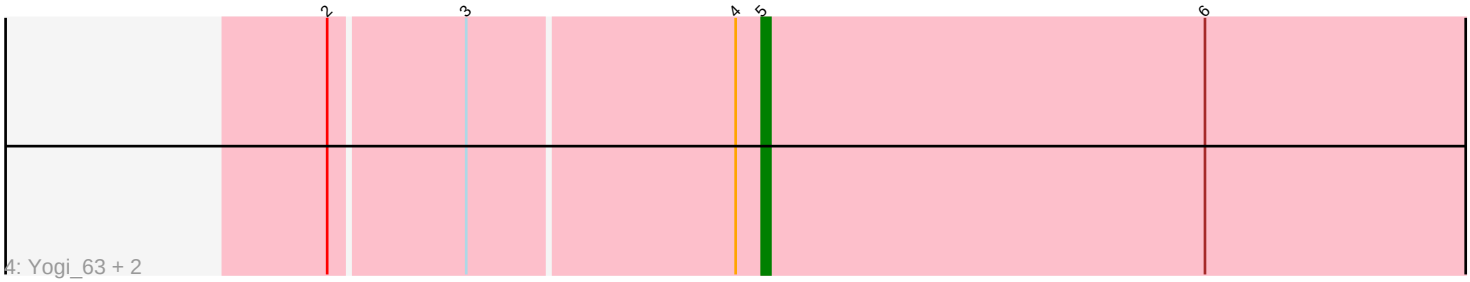
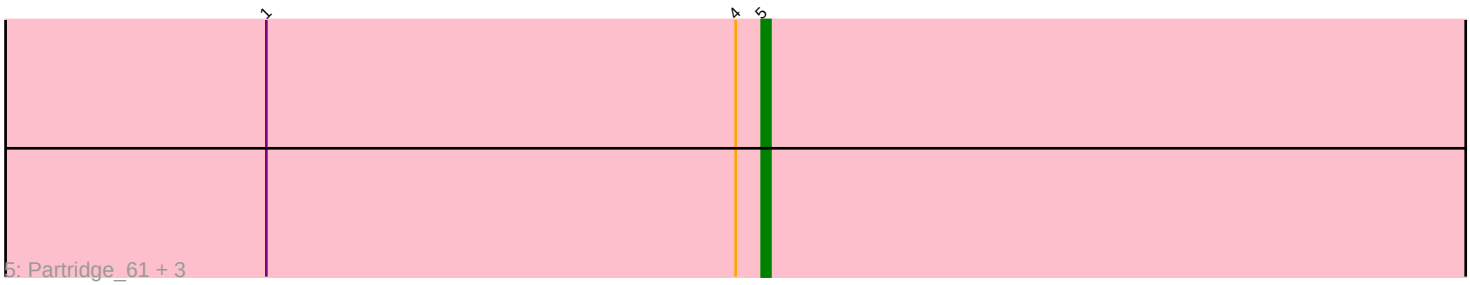
Pham 339853


3
4
5
6
1: Hiro_62


3
4
5
6
2: Swann_62 + 27


3
4
5
3: PhailMary_59


2
3
4
5
6
4: Yogi_63 + 2


1
4
5
5: Partridge_61 + 3

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 339853 Report

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

Pham number 339853 has 37 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hiro_62
• Track 2 : Swann_62, Krishelle_62, Espica_63, Phrankenstein_62, Lillie_62, Bryce_61, Nancinator_61, Rhodalysa_62, Natosaleda_61, Rasputin_62, BobbyDazzler_62, RexFury_61, Naiad_61, Shuman_63, Gollum_62, Erik_62, Bradshaw_62, Alatin_61, RER2_56, UhSalsa_62, Belenaria_63, CosmicSans_62, TWAMP_62, Yoncess_61, Harlequin_62, AppleCloud_59, Jester_61, StCroix_61
• Track 3 : PhailMary_59
• Track 4 : Yogi_63, Bonanza_63, Alpacados_61
• Track 5 : Partridge_61, Dinger_61, AngryOrchard_59, Takoda_62

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

The start number called the most often in the published annotations is 5, it was called in 35 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatin_61, Alpacados_61, AngryOrchard_59, AppleCloud_59, Belenaria_63, BobbyDazzler_62, Bonanza_63, Bradshaw_62, Bryce_61, CosmicSans_62, Dinger_61, Erik_62, Espica_63, Gollum_62, Harlequin_62, Jester_61, Krishelle_62, Lillie_62, Naiad_61, Nancinator_61, Natosaleda_61, Partridge_61, PhailMary_59, Phrankenstein_62, RER2_56, Rasputin_62, RexFury_61, Rhodalysa_62, Shuman_63, StCroix_61, Swann_62, TWAMP_62, Takoda_62, UhSalsa_62, Yogi_63, Yoncess_61,

Genes that have the "Most Annotated" start but do not call it:
• Hiro_62,

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

Summary by start number:

Start 4:
• Found in 37 of 37 (100.0%) of genes in pham

• Manual Annotations of this start: 1 of 36
• Called 2.7% of time when present
• Phage (with cluster) where this start called: Hiro_62 (CA),

Start 5:
• Found in 37 of 37 (100.0%) of genes in pham
• Manual Annotations of this start: 35 of 36
• Called 97.3% of time when present
• Phage (with cluster) where this start called: Alatin_61 (CA), Alpacados_61 (CA), AngryOrchard_59 (CA), AppleCloud_59 (CA), Belenaria_63 (CA), BobbyDazzler_62 (CA), Bonanza_63 (CA), Bradshaw_62 (CA), Bryce_61 (CA), CosmicSans_62 (CA), Dinger_61 (CA), Erik_62 (CA), Espica_63 (CA), Gollum_62 (CA), Harlequin_62 (CA), Jester_61 (CA), Krishelle_62 (CA), Lillie_62 (CA), Naiad_61 (CA), Nancinator_61 (CA), Natosaleda_61 (CA), Partridge_61 (CA), PhailMary_59 (CA), Phrankenstein_62 (CA), RER2_56 (CA), Rasputin_62 (CA), RexFury_61 (CA), Rhodalysa_62 (CA), Shuman_63 (CA), StCroix_61 (CA), Swann_62 (CA), TWAMP_62 (CA), Takoda_62 (CA), UhSalsa_62 (CA), Yogi_63 (CA), Yoncess_61 (CA),

Summary by clusters:

There is one cluster represented in this pham: CA

Info for manual annotations of cluster CA:
•Start number 4 was manually annotated 1 time for cluster CA.
•Start number 5 was manually annotated 35 times for cluster CA.

Gene Information:

Gene: Alatin_61 Start: 42128, Stop: 41901, Start Num: 5
Candidate Starts for Alatin_61:
(3, 42161), (Start: 4 @42131 has 1 MA's), (Start: 5 @42128 has 35 MA's), (6, 42077),

Gene: Alpacados_61 Start: 41951, Stop: 41724, Start Num: 5
Candidate Starts for Alpacados_61:
(2, 41999), (3, 41984), (Start: 4 @41954 has 1 MA's), (Start: 5 @41951 has 35 MA's), (6, 41900),

Gene: AngryOrchard_59 Start: 42181, Stop: 41954, Start Num: 5
Candidate Starts for AngryOrchard_59:
(1, 42238), (Start: 4 @42184 has 1 MA's), (Start: 5 @42181 has 35 MA's),

Gene: AppleCloud_59 Start: 41845, Stop: 41618, Start Num: 5
Candidate Starts for AppleCloud_59:
(3, 41878), (Start: 4 @41848 has 1 MA's), (Start: 5 @41845 has 35 MA's), (6, 41794),

Gene: Belenaria_63 Start: 41993, Stop: 41766, Start Num: 5
Candidate Starts for Belenaria_63:
(3, 42026), (Start: 4 @41996 has 1 MA's), (Start: 5 @41993 has 35 MA's), (6, 41942),

Gene: BobbyDazzler_62 Start: 42099, Stop: 41872, Start Num: 5
Candidate Starts for BobbyDazzler_62:
(3, 42132), (Start: 4 @42102 has 1 MA's), (Start: 5 @42099 has 35 MA's), (6, 42048),

Gene: Bonanza_63 Start: 42403, Stop: 42176, Start Num: 5
Candidate Starts for Bonanza_63:
(2, 42451), (3, 42436), (Start: 4 @42406 has 1 MA's), (Start: 5 @42403 has 35 MA's), (6, 42352),

Gene: Bradshaw_62 Start: 42061, Stop: 41834, Start Num: 5
Candidate Starts for Bradshaw_62:
(3, 42094), (Start: 4 @42064 has 1 MA's), (Start: 5 @42061 has 35 MA's), (6, 42010),

Gene: Bryce_61 Start: 41807, Stop: 41580, Start Num: 5
Candidate Starts for Bryce_61:
(3, 41840), (Start: 4 @41810 has 1 MA's), (Start: 5 @41807 has 35 MA's), (6, 41756),

Gene: CosmicSans_62 Start: 42052, Stop: 41825, Start Num: 5
Candidate Starts for CosmicSans_62:
(3, 42085), (Start: 4 @42055 has 1 MA's), (Start: 5 @42052 has 35 MA's), (6, 42001),

Gene: Dinger_61 Start: 42199, Stop: 41972, Start Num: 5
Candidate Starts for Dinger_61:
(1, 42256), (Start: 4 @42202 has 1 MA's), (Start: 5 @42199 has 35 MA's),

Gene: Erik_62 Start: 41883, Stop: 41656, Start Num: 5
Candidate Starts for Erik_62:
(3, 41916), (Start: 4 @41886 has 1 MA's), (Start: 5 @41883 has 35 MA's), (6, 41832),

Gene: Espica_63 Start: 41993, Stop: 41766, Start Num: 5
Candidate Starts for Espica_63:
(3, 42026), (Start: 4 @41996 has 1 MA's), (Start: 5 @41993 has 35 MA's), (6, 41942),

Gene: Gollum_62 Start: 41994, Stop: 41767, Start Num: 5
Candidate Starts for Gollum_62:
(3, 42027), (Start: 4 @41997 has 1 MA's), (Start: 5 @41994 has 35 MA's), (6, 41943),

Gene: Harlequin_62 Start: 41842, Stop: 41615, Start Num: 5
Candidate Starts for Harlequin_62:
(3, 41875), (Start: 4 @41845 has 1 MA's), (Start: 5 @41842 has 35 MA's), (6, 41791),

Gene: Hiro_62 Start: 42316, Stop: 42086, Start Num: 4
Candidate Starts for Hiro_62:
(3, 42346), (Start: 4 @42316 has 1 MA's), (Start: 5 @42313 has 35 MA's), (6, 42262),

Gene: Jester_61 Start: 41773, Stop: 41546, Start Num: 5
Candidate Starts for Jester_61:
(3, 41806), (Start: 4 @41776 has 1 MA's), (Start: 5 @41773 has 35 MA's), (6, 41722),

Gene: Krishelle_62 Start: 42421, Stop: 42194, Start Num: 5
Candidate Starts for Krishelle_62:
(3, 42454), (Start: 4 @42424 has 1 MA's), (Start: 5 @42421 has 35 MA's), (6, 42370),

Gene: Lillie_62 Start: 42052, Stop: 41825, Start Num: 5
Candidate Starts for Lillie_62:
(3, 42085), (Start: 4 @42055 has 1 MA's), (Start: 5 @42052 has 35 MA's), (6, 42001),

Gene: Naiad_61 Start: 42074, Stop: 41847, Start Num: 5
Candidate Starts for Naiad_61:
(3, 42107), (Start: 4 @42077 has 1 MA's), (Start: 5 @42074 has 35 MA's), (6, 42023),

Gene: Nancinator_61 Start: 41391, Stop: 41164, Start Num: 5
Candidate Starts for Nancinator_61:
(3, 41424), (Start: 4 @41394 has 1 MA's), (Start: 5 @41391 has 35 MA's), (6, 41340),

Gene: Natosaleda_61 Start: 41992, Stop: 41765, Start Num: 5
Candidate Starts for Natosaleda_61:
(3, 42025), (Start: 4 @41995 has 1 MA's), (Start: 5 @41992 has 35 MA's), (6, 41941),

Gene: Partridge_61 Start: 42353, Stop: 42126, Start Num: 5
Candidate Starts for Partridge_61:
(1, 42410), (Start: 4 @42356 has 1 MA's), (Start: 5 @42353 has 35 MA's),

Gene: PhailMary_59 Start: 41069, Stop: 40842, Start Num: 5
Candidate Starts for PhailMary_59:
(3, 41102), (Start: 4 @41072 has 1 MA's), (Start: 5 @41069 has 35 MA's),

Gene: Phrankenstein_62 Start: 41998, Stop: 41771, Start Num: 5
Candidate Starts for Phrankenstein_62:
(3, 42031), (Start: 4 @42001 has 1 MA's), (Start: 5 @41998 has 35 MA's), (6, 41947),

Gene: RER2_56 Start: 38924, Stop: 38697, Start Num: 5
Candidate Starts for RER2_56:
(3, 38957), (Start: 4 @38927 has 1 MA's), (Start: 5 @38924 has 35 MA's), (6, 38873),

Gene: Rasputin_62 Start: 42022, Stop: 41795, Start Num: 5
Candidate Starts for Rasputin_62:
(3, 42055), (Start: 4 @42025 has 1 MA's), (Start: 5 @42022 has 35 MA's), (6, 41971),

Gene: RexFury_61 Start: 42082, Stop: 41855, Start Num: 5
Candidate Starts for RexFury_61:
(3, 42115), (Start: 4 @42085 has 1 MA's), (Start: 5 @42082 has 35 MA's), (6, 42031),

Gene: Rhodalysa_62 Start: 42052, Stop: 41825, Start Num: 5
Candidate Starts for Rhodalysa_62:
(3, 42085), (Start: 4 @42055 has 1 MA's), (Start: 5 @42052 has 35 MA's), (6, 42001),

Gene: Shuman_63 Start: 42003, Stop: 41776, Start Num: 5
Candidate Starts for Shuman_63:
(3, 42036), (Start: 4 @42006 has 1 MA's), (Start: 5 @42003 has 35 MA's), (6, 41952),

Gene: StCroix_61 Start: 42074, Stop: 41847, Start Num: 5
Candidate Starts for StCroix_61:
(3, 42107), (Start: 4 @42077 has 1 MA's), (Start: 5 @42074 has 35 MA's), (6, 42023),

Gene: Swann_62 Start: 42050, Stop: 41823, Start Num: 5
Candidate Starts for Swann_62:
(3, 42083), (Start: 4 @42053 has 1 MA's), (Start: 5 @42050 has 35 MA's), (6, 41999),

Gene: TWAMP_62 Start: 42052, Stop: 41825, Start Num: 5

Candidate Starts for TWAMP_62:
(3, 42085), (Start: 4 @42055 has 1 MA's), (Start: 5 @42052 has 35 MA's), (6, 42001),

Gene: Takoda_62 Start: 42235, Stop: 42008, Start Num: 5
Candidate Starts for Takoda_62:
(1, 42292), (Start: 4 @42238 has 1 MA's), (Start: 5 @42235 has 35 MA's),

Gene: UhSalsa_62 Start: 41993, Stop: 41766, Start Num: 5
Candidate Starts for UhSalsa_62:
(3, 42026), (Start: 4 @41996 has 1 MA's), (Start: 5 @41993 has 35 MA's), (6, 41942),

Gene: Yogi_63 Start: 42403, Stop: 42176, Start Num: 5
Candidate Starts for Yogi_63:
(2, 42451), (3, 42436), (Start: 4 @42406 has 1 MA's), (Start: 5 @42403 has 35 MA's), (6, 42352),

Gene: Yoncess_61 Start: 41810, Stop: 41583, Start Num: 5
Candidate Starts for Yoncess_61:
(3, 41843), (Start: 4 @41813 has 1 MA's), (Start: 5 @41810 has 35 MA's), (6, 41759),