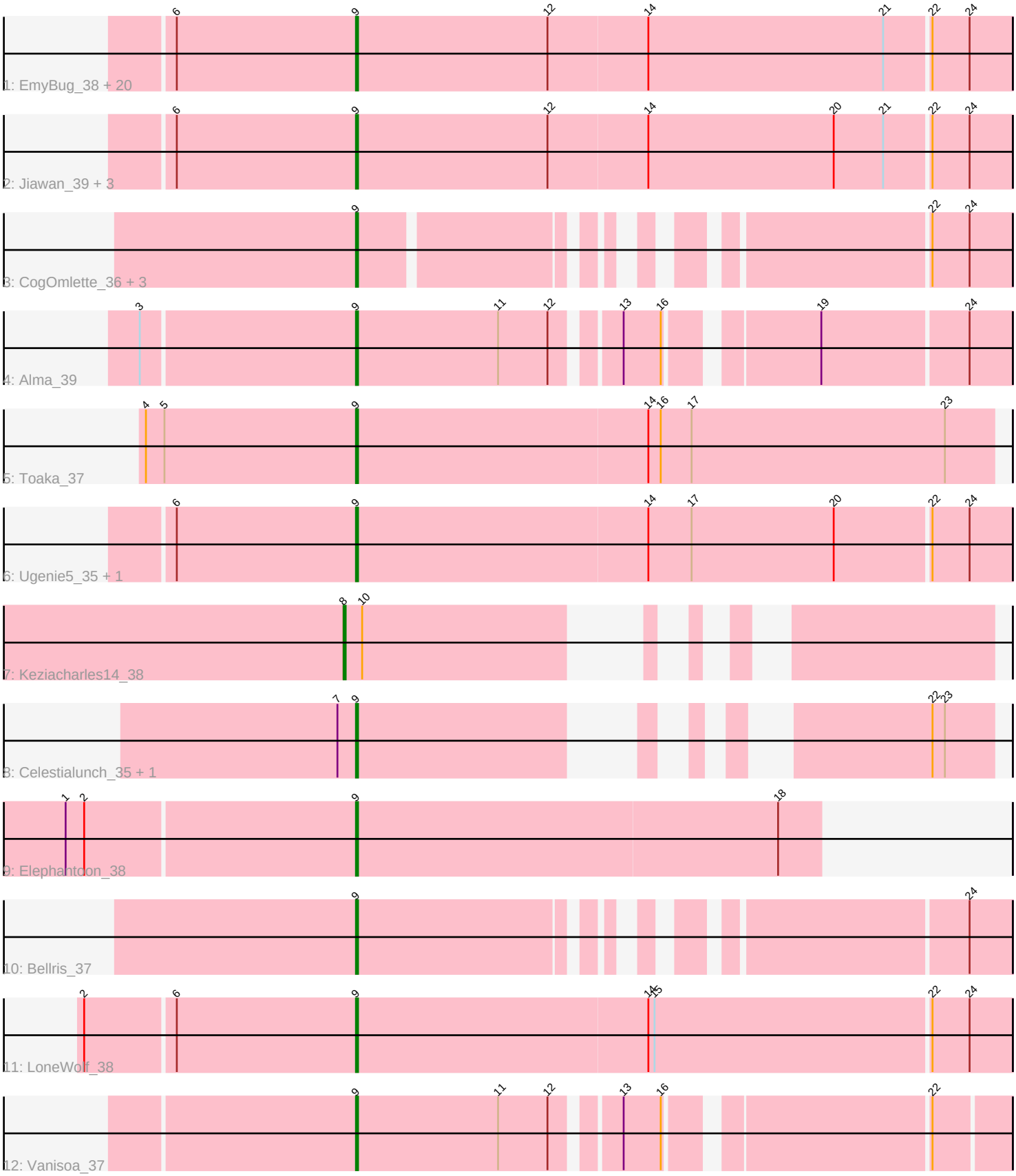
Pham 344164


1: EmyBug_38 + 20
2: Jiawan_39 + 3
3: CogOmlette_36 + 3
4: Alma_39
5: Toaka_37
6: Ugenie5_35 + 1
7: Keziacharles14_38
8: Celestialunch_35 + 1
9: Elephantdon_38
10: Bellris_37
11: LoneWolf_38
12: Vanisoa_37

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 344164 Report

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

Pham number 344164 has 40 members, 4 are drafts.

Phages represented in each track:
• Track 1 : EmyBug_38, Spouty_39, Fayely_39, Aliter_39, Conquerage_39, Pioneer_39, Phaeder_39, Catalina_40, Ayanochan_38, Myxus_39, Priya_39, Holex_39, Beemo_39, RyeScarlet_39, Phonnegut_39, Tubs_39, HortumSL17_39, PackMan_38, ExplosioNervosa_39, Eidsmoe_39, Qobbit_39
• Track 2 : Jiawan_39, Hanray_39, EdogawaKiddo_39, Onglai_38
• Track 3 : CogOmlette_36, Rahalelujah_37, Minispark_36, WorldCup_36
• Track 4 : Alma_39
• Track 5 : Toaka_37
• Track 6 : Ugenie5_35, Scherzo_38
• Track 7 : Keziacharles14_38
• Track 8 : Celestialunch_35, MegTheThird_36
• Track 9 : Elephantoon_38
• Track 10 : Bellris_37
• Track 11 : LoneWolf_38
• Track 12 : Vanisoa_37

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

The start number called the most often in the published annotations is 9, it was called in 35 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aliter_39, Alma_39, Ayanochan_38, Beemo_39, Bellris_37, Catalina_40, Celestialunch_35, CogOmlette_36, Conquerage_39, EdogawaKiddo_39, Eidsmoe_39, Elephantoon_38, EmyBug_38, ExplosioNervosa_39, Fayely_39, Hanray_39, Holex_39, HortumSL17_39, Jiawan_39, LoneWolf_38, MegTheThird_36, Minispark_36, Myxus_39, Onglai_38, PackMan_38, Phaeder_39, Phonnegut_39, Pioneer_39, Priya_39, Qobbit_39, Rahalelujah_37, RyeScarlet_39, Scherzo_38, Spouty_39, Toaka_37, Tubs_39, Ugenie5_35, Vanisoa_37, WorldCup_36,

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

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

• Keziacharles14_38,

Summary by start number:

Start 8:
• Found in 1 of 40 (2.5%) of genes in pham
• Manual Annotations of this start: 1 of 36
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Keziacharles14_38 (A9),

Start 9:
• Found in 39 of 40 (97.5%) of genes in pham
• Manual Annotations of this start: 35 of 36
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aliter_39 (A9), Alma_39 (A9), Ayanochan_38 (A9), Beemo_39 (A9), Bellris_37 (A9), Catalina_40 (A9), Celestialunch_35 (A9), CogOmlette_36 (A9), Conquerage_39 (A9), EdogawaKiddo_39 (A9), Eidsmoe_39 (A9), Elephantoon_38 (A9), EmyBug_38 (A9), ExplosioNervosa_39 (A9), Fayely_39 (A9), Hanray_39 (A9), Holex_39 (A9), HortumSL17_39 (A9), Jiawan_39 (A9), LoneWolf_38 (A9), MegTheThird_36 (A9), Minispark_36 (A9), Myxus_39 (A9), Onglai_38 (A9), PackMan_38 (A9), Phaeder_39 (A9), Phonnegut_39 (A9), Pioneer_39 (A9), Priya_39 (A9), Qobbit_39 (A9), Rahalelujah_37 (A9), RyeScarlet_39 (A9), Scherzo_38 (A9), Spouty_39 (A9), Toaka_37 (A9), Tubs_39 (A9), Ugenie5_35 (A9), Vanisoa_37 (A9), WorldCup_36 (A9),

Summary by clusters:

There is one cluster represented in this pham: A9

Info for manual annotations of cluster A9:
•Start number 8 was manually annotated 1 time for cluster A9.
•Start number 9 was manually annotated 35 times for cluster A9.

Gene Information:

Gene: Aliter_39 Start: 28439, Stop: 28125, Start Num: 9
Candidate Starts for Aliter_39:
(6, 28526), (Start: 9 @28439 has 35 MA's), (12, 28346), (14, 28298), (21, 28184), (22, 28163), (24, 28145),

Gene: Alma_39 Start: 28523, Stop: 28233, Start Num: 9
Candidate Starts for Alma_39:
(3, 28625), (Start: 9 @28523 has 35 MA's), (11, 28454), (12, 28430), (13, 28403), (16, 28385), (19, 28322), (24, 28253),

Gene: Ayanochan_38 Start: 28566, Stop: 28252, Start Num: 9
Candidate Starts for Ayanochan_38:
(6, 28653), (Start: 9 @28566 has 35 MA's), (12, 28473), (14, 28425), (21, 28311), (22, 28290), (24, 28272),

Gene: Beemo_39 Start: 28567, Stop: 28253, Start Num: 9
Candidate Starts for Beemo_39:
(6, 28654), (Start: 9 @28567 has 35 MA's), (12, 28474), (14, 28426), (21, 28312), (22, 28291), (24, 28273),

Gene: Bellris_37 Start: 27555, Stop: 27286, Start Num: 9
Candidate Starts for Bellris_37:
(Start: 9 @27555 has 35 MA's), (24, 27306),

Gene: Catalina_40 Start: 28512, Stop: 28198, Start Num: 9
Candidate Starts for Catalina_40:
(6, 28599), (Start: 9 @28512 has 35 MA's), (12, 28419), (14, 28371), (21, 28257), (22, 28236), (24, 28218),

Gene: Celestialunch_35 Start: 27566, Stop: 27342, Start Num: 9
Candidate Starts for Celestialunch_35:
(7, 27575), (Start: 9 @27566 has 35 MA's), (22, 27371), (23, 27365),

Gene: CogOmlette_36 Start: 27552, Stop: 27289, Start Num: 9
Candidate Starts for CogOmlette_36:
(Start: 9 @27552 has 35 MA's), (22, 27327), (24, 27309),

Gene: Conquerage_39 Start: 28541, Stop: 28227, Start Num: 9
Candidate Starts for Conquerage_39:
(6, 28628), (Start: 9 @28541 has 35 MA's), (12, 28448), (14, 28400), (21, 28286), (22, 28265), (24, 28247),

Gene: EdogawaKiddo_39 Start: 28518, Stop: 28204, Start Num: 9
Candidate Starts for EdogawaKiddo_39:
(6, 28605), (Start: 9 @28518 has 35 MA's), (12, 28425), (14, 28377), (20, 28287), (21, 28263), (22, 28242), (24, 28224),

Gene: Eidsmoe_39 Start: 28575, Stop: 28261, Start Num: 9
Candidate Starts for Eidsmoe_39:
(6, 28662), (Start: 9 @28575 has 35 MA's), (12, 28482), (14, 28434), (21, 28320), (22, 28299), (24, 28281),

Gene: Elephantoon_38 Start: 27852, Stop: 27628, Start Num: 9
Candidate Starts for Elephantoon_38:
(1, 27990), (2, 27981), (Start: 9 @27852 has 35 MA's), (18, 27648),

Gene: EmyBug_38 Start: 28577, Stop: 28263, Start Num: 9
Candidate Starts for EmyBug_38:
(6, 28664), (Start: 9 @28577 has 35 MA's), (12, 28484), (14, 28436), (21, 28322), (22, 28301), (24, 28283),

Gene: ExplosioNervosa_39 Start: 28601, Stop: 28287, Start Num: 9
Candidate Starts for ExplosioNervosa_39:
(6, 28688), (Start: 9 @28601 has 35 MA's), (12, 28508), (14, 28460), (21, 28346), (22, 28325), (24, 28307),

Gene: Fayely_39 Start: 28544, Stop: 28230, Start Num: 9
Candidate Starts for Fayely_39:

(6, 28631), (Start: 9 @28544 has 35 MA's), (12, 28451), (14, 28403), (21, 28289), (22, 28268), (24, 28250),

Gene: Hanray_39 Start: 28522, Stop: 28208, Start Num: 9
Candidate Starts for Hanray_39:
(6, 28609), (Start: 9 @28522 has 35 MA's), (12, 28429), (14, 28381), (20, 28291), (21, 28267), (22, 28246), (24, 28228),

Gene: Holex_39 Start: 28535, Stop: 28221, Start Num: 9
Candidate Starts for Holex_39:
(6, 28622), (Start: 9 @28535 has 35 MA's), (12, 28442), (14, 28394), (21, 28280), (22, 28259), (24, 28241),

Gene: HortumSL17_39 Start: 28511, Stop: 28197, Start Num: 9
Candidate Starts for HortumSL17_39:
(6, 28598), (Start: 9 @28511 has 35 MA's), (12, 28418), (14, 28370), (21, 28256), (22, 28235), (24, 28217),

Gene: Jiawan_39 Start: 28554, Stop: 28240, Start Num: 9
Candidate Starts for Jiawan_39:
(6, 28641), (Start: 9 @28554 has 35 MA's), (12, 28461), (14, 28413), (20, 28323), (21, 28299), (22, 28278), (24, 28260),

Gene: Keziacharles14_38 Start: 29187, Stop: 28960, Start Num: 8
Candidate Starts for Keziacharles14_38:
(Start: 8 @29187 has 1 MA's), (10, 29178),

Gene: LoneWolf_38 Start: 28100, Stop: 27786, Start Num: 9
Candidate Starts for LoneWolf_38:
(2, 28229), (6, 28187), (Start: 9 @28100 has 35 MA's), (14, 27959), (15, 27956), (22, 27824), (24, 27806),

Gene: MegTheThird_36 Start: 27565, Stop: 27341, Start Num: 9
Candidate Starts for MegTheThird_36:
(7, 27574), (Start: 9 @27565 has 35 MA's), (22, 27370), (23, 27364),

Gene: Minispark_36 Start: 27549, Stop: 27286, Start Num: 9
Candidate Starts for Minispark_36:
(Start: 9 @27549 has 35 MA's), (22, 27324), (24, 27306),

Gene: Myxus_39 Start: 28511, Stop: 28197, Start Num: 9
Candidate Starts for Myxus_39:
(6, 28598), (Start: 9 @28511 has 35 MA's), (12, 28418), (14, 28370), (21, 28256), (22, 28235), (24, 28217),

Gene: Onglai_38 Start: 26852, Stop: 26538, Start Num: 9
Candidate Starts for Onglai_38:
(6, 26939), (Start: 9 @26852 has 35 MA's), (12, 26759), (14, 26711), (20, 26621), (21, 26597), (22, 26576), (24, 26558),

Gene: PackMan_38 Start: 28511, Stop: 28197, Start Num: 9
Candidate Starts for PackMan_38:

(6, 28598), (Start: 9 @28511 has 35 MA's), (12, 28418), (14, 28370), (21, 28256), (22, 28235), (24, 28217),

Gene: Phaeder_39 Start: 28511, Stop: 28197, Start Num: 9
Candidate Starts for Phaeder_39:
(6, 28598), (Start: 9 @28511 has 35 MA's), (12, 28418), (14, 28370), (21, 28256), (22, 28235), (24, 28217),

Gene: Phonnegut_39 Start: 28566, Stop: 28252, Start Num: 9
Candidate Starts for Phonnegut_39:
(6, 28653), (Start: 9 @28566 has 35 MA's), (12, 28473), (14, 28425), (21, 28311), (22, 28290), (24, 28272),

Gene: Pioneer_39 Start: 28566, Stop: 28252, Start Num: 9
Candidate Starts for Pioneer_39:
(6, 28653), (Start: 9 @28566 has 35 MA's), (12, 28473), (14, 28425), (21, 28311), (22, 28290), (24, 28272),

Gene: Priya_39 Start: 28578, Stop: 28264, Start Num: 9
Candidate Starts for Priya_39:
(6, 28665), (Start: 9 @28578 has 35 MA's), (12, 28485), (14, 28437), (21, 28323), (22, 28302), (24, 28284),

Gene: Qobbit_39 Start: 28540, Stop: 28226, Start Num: 9
Candidate Starts for Qobbit_39:
(6, 28627), (Start: 9 @28540 has 35 MA's), (12, 28447), (14, 28399), (21, 28285), (22, 28264), (24, 28246),

Gene: Rahalelujah_37 Start: 27558, Stop: 27289, Start Num: 9
Candidate Starts for Rahalelujah_37:
(Start: 9 @27558 has 35 MA's), (22, 27327), (24, 27309),

Gene: RyeScarlet_39 Start: 28535, Stop: 28221, Start Num: 9
Candidate Starts for RyeScarlet_39:
(6, 28622), (Start: 9 @28535 has 35 MA's), (12, 28442), (14, 28394), (21, 28280), (22, 28259), (24, 28241),

Gene: Scherzo_38 Start: 28523, Stop: 28209, Start Num: 9
Candidate Starts for Scherzo_38:
(6, 28610), (Start: 9 @28523 has 35 MA's), (14, 28382), (17, 28361), (20, 28292), (22, 28247), (24, 28229),

Gene: Spouty_39 Start: 28577, Stop: 28263, Start Num: 9
Candidate Starts for Spouty_39:
(6, 28664), (Start: 9 @28577 has 35 MA's), (12, 28484), (14, 28436), (21, 28322), (22, 28301), (24, 28283),

Gene: Toaka_37 Start: 27809, Stop: 27501, Start Num: 9
Candidate Starts for Toaka_37:
(4, 27911), (5, 27902), (Start: 9 @27809 has 35 MA's), (14, 27668), (16, 27662), (17, 27647), (23, 27524),

Gene: Tubs_39 Start: 28511, Stop: 28197, Start Num: 9

Candidate Starts for Tubs_39:
(6, 28598), (Start: 9 @28511 has 35 MA's), (12, 28418), (14, 28370), (21, 28256), (22, 28235), (24, 28217),

Gene: Ugenie5_35 Start: 28522, Stop: 28208, Start Num: 9
Candidate Starts for Ugenie5_35:
(6, 28609), (Start: 9 @28522 has 35 MA's), (14, 28381), (17, 28360), (20, 28291), (22, 28246), (24, 28228),

Gene: Vanisoa_37 Start: 28822, Stop: 28535, Start Num: 9
Candidate Starts for Vanisoa_37:
(Start: 9 @28822 has 35 MA's), (11, 28753), (12, 28729), (13, 28702), (16, 28684), (22, 28570),

Gene: WorldCup_36 Start: 27549, Stop: 27286, Start Num: 9
Candidate Starts for WorldCup_36:
(Start: 9 @27549 has 35 MA's), (22, 27324), (24, 27306),