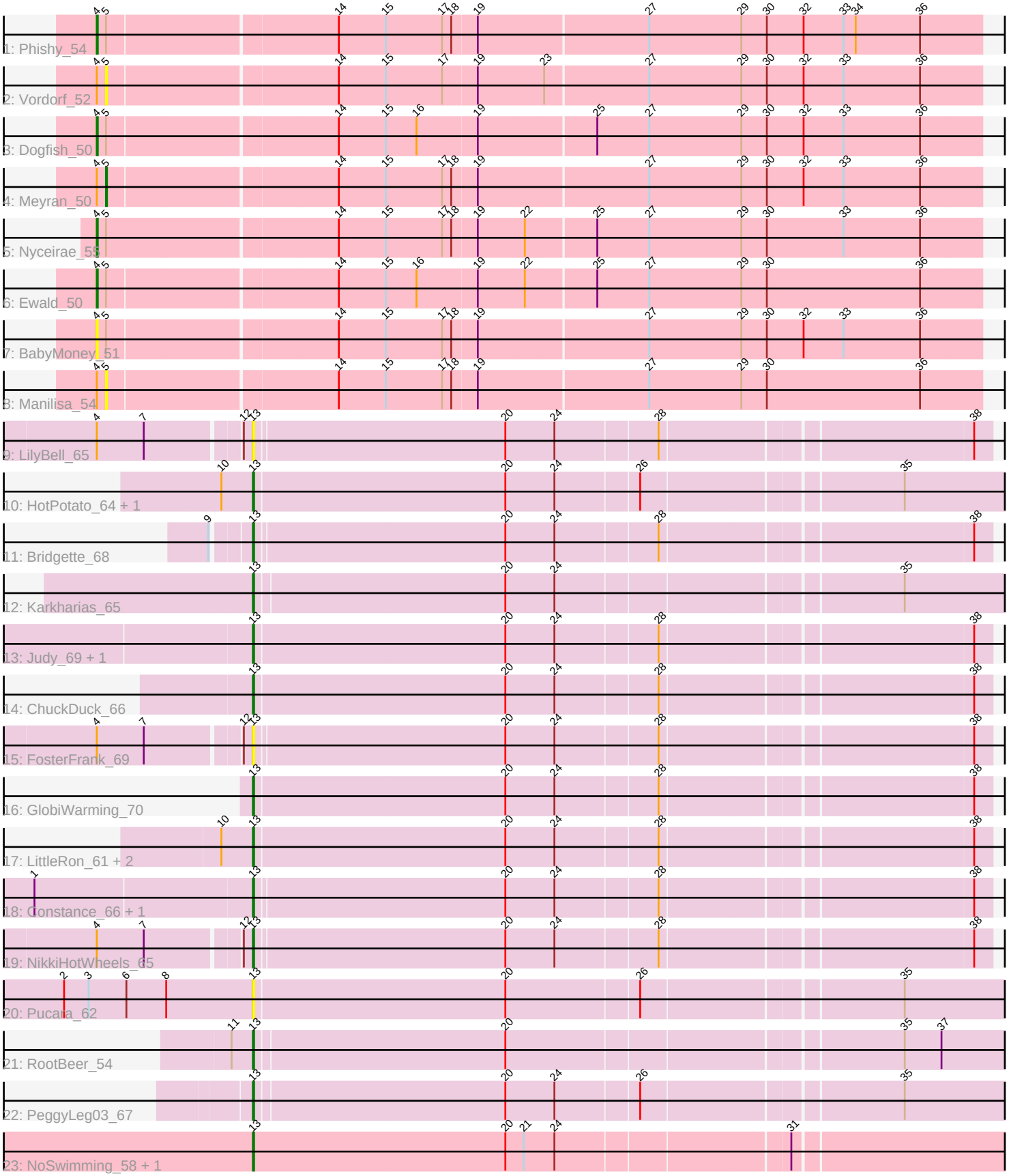
Pham 347915


1: Phishy_54
2: Vordorf_52
3: Dogfish_50
4: Meyran_50
5: Nyceirae_56
6: Ewald_50
7: BabyMoney_51
8: Manilisa_54
9: LilyBell_65
10: HotPotato_64 + 1
11: Bridgette_68
12: Karkharias_65
13: Judy_69 + 1
14: ChuckDuck_66
15: FosterFrank_69
16: GlobiWarming_70
17: LittleRon_61 + 2
18: Constance_66 + 1
19: NikkiHotWheels_65
20: Pucata_62
21: RootBeer_54
22: PeggyLeg03_67
23: NoSwimming_58 + 1

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 347915 Report

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

Pham number 347915 has 29 members, 8 are drafts.

Phages represented in each track:
- Track 1 : Phishy_54
- Track 2 : Vordorf_52
- Track 3 : Dogfish_50
- Track 4 : Meyran_50
- Track 5 : Nyceirae_55
- Track 6 : Ewald_50
- Track 7 : BabyMoney_51
- Track 8 : Manilisa_54
- Track 9 : LilyBell_65
- Track 10 : HotPotato_64, Henrique_68
- Track 11 : Bridgette_68
- Track 12 : Karkharias_65
- Track 13 : Judy_69, NidoQ_62
- Track 14 : ChuckDuck_66
- Track 15 : FosterFrank_69
- Track 16 : GlobiWarming_70
- Track 17 : LittleRon_61, Eileen_61, KayMoney_65
- Track 18 : Constance_66, Peas_67
- Track 19 : NikkiHotWheels_65
- Track 20 : Pucara_62
- Track 21 : RootBeer_54
- Track 22 : PeggyLeg03_67
- Track 23 : NoSwimming_58, Scotia_57

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

The start number called the most often in the published annotations is 13, it was called in 16 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Bridgette_68, ChuckDuck_66, Constance_66, Eileen_61, FosterFrank_69, GlobiWarming_70, Henrique_68, HotPotato_64, Judy_69, Karkharias_65, KayMoney_65, LilyBell_65, LittleRon_61, NidoQ_62, NikkiHotWheels_65, NoSwimming_58, Peas_67, PeggyLeg03_67, Pucara_62, RootBeer_54, Scotia_57,

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

Genes that do not have the "Most Annotated" start:
• BabyMoney_51, Dogfish_50, Ewald_50, Manilisa_54, Meyran_50, Nyceirae_55, Phishy_54, Vordorf_52,

Summary by start number:

Start 4:
• Found in 11 of 29 (37.9%) of genes in pham
• Manual Annotations of this start: 4 of 21
• Called 45.5% of time when present
• Phage (with cluster) where this start called: BabyMoney_51 (DT), Dogfish_50 (DT), Ewald_50 (DT), Nyceirae_55 (DT), Phishy_54 (DT),

Start 5:
• Found in 8 of 29 (27.6%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 37.5% of time when present
• Phage (with cluster) where this start called: Manilisa_54 (DT), Meyran_50 (DT), Vordorf_52 (DT),

Start 13:
• Found in 21 of 29 (72.4%) of genes in pham
• Manual Annotations of this start: 16 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bridgette_68 (FA), ChuckDuck_66 (FA), Constance_66 (FA), Eileen_61 (FA), FosterFrank_69 (FA), GlobiWarming_70 (FA), Henrique_68 (FA), HotPotato_64 (FA), Judy_69 (FA), Karkharias_65 (FA), KayMoney_65 (FA), LilyBell_65 (FA), LittleRon_61 (FA), NidoQ_62 (FA), NikkiHotWheels_65 (FA), NoSwimming_58 (FO), Peas_67 (FA), PeggyLeg03_67 (FA), Pucara_62 (FA), RootBeer_54 (FA), Scotia_57 (FO),

Summary by clusters:

There are 3 clusters represented in this pham: FA, DT, FO,

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

Info for manual annotations of cluster FA:
•Start number 13 was manually annotated 14 times for cluster FA.

Info for manual annotations of cluster FO:
•Start number 13 was manually annotated 2 times for cluster FO.

Gene Information:

Gene: BabyMoney_51 Start: 38625, Stop: 39467, Start Num: 4
Candidate Starts for BabyMoney_51:
(Start: 4 @38625 has 4 MA's), (Start: 5 @38634 has 1 MA's), (14, 38850), (15, 38895), (17, 38949), (18, 38958), (19, 38982), (27, 39144), (29, 39234), (30, 39258), (32, 39294), (33, 39333), (36, 39408),

Gene: Bridgette_68 Start: 41435, Stop: 42124, Start Num: 13
Candidate Starts for Bridgette_68:
(9, 41402), (Start: 13 @41435 has 16 MA's), (20, 41675), (24, 41723), (28, 41819), (38, 42107),

Gene: ChuckDuck_66 Start: 41142, Stop: 41834, Start Num: 13
Candidate Starts for ChuckDuck_66:
(Start: 13 @41142 has 16 MA's), (20, 41385), (24, 41433), (28, 41529), (38, 41817),

Gene: Constance_66 Start: 41824, Stop: 42513, Start Num: 13
Candidate Starts for Constance_66:
(1, 41617), (Start: 13 @41824 has 16 MA's), (20, 42064), (24, 42112), (28, 42208), (38, 42496),

Gene: Dogfish_50 Start: 38049, Stop: 38891, Start Num: 4
Candidate Starts for Dogfish_50:
(Start: 4 @38049 has 4 MA's), (Start: 5 @38058 has 1 MA's), (14, 38274), (15, 38319), (16, 38349), (19, 38406), (25, 38517), (27, 38568), (29, 38658), (30, 38682), (32, 38718), (33, 38757), (36, 38832),

Gene: Eileen_61 Start: 39257, Stop: 39949, Start Num: 13
Candidate Starts for Eileen_61:
(10, 39227), (Start: 13 @39257 has 16 MA's), (20, 39500), (24, 39548), (28, 39644), (38, 39932),

Gene: Ewald_50 Start: 37861, Stop: 38703, Start Num: 4
Candidate Starts for Ewald_50:
(Start: 4 @37861 has 4 MA's), (Start: 5 @37870 has 1 MA's), (14, 38086), (15, 38131), (16, 38161), (19, 38218), (22, 38263), (25, 38329), (27, 38380), (29, 38470), (30, 38494), (36, 38644),

Gene: FosterFrank_69 Start: 40746, Stop: 41435, Start Num: 13
Candidate Starts for FosterFrank_69:
(Start: 4 @40605 has 4 MA's), (7, 40650), (12, 40737), (Start: 13 @40746 has 16 MA's), (20, 40986), (24, 41034), (28, 41130), (38, 41418),

Gene: GlobiWarming_70 Start: 40938, Stop: 41630, Start Num: 13
Candidate Starts for GlobiWarming_70:
(Start: 13 @40938 has 16 MA's), (20, 41181), (24, 41229), (28, 41325), (38, 41613),

Gene: Henrique_68 Start: 40878, Stop: 41594, Start Num: 13
Candidate Starts for Henrique_68:
(10, 40848), (Start: 13 @40878 has 16 MA's), (20, 41121), (24, 41169), (26, 41247), (35, 41487),

Gene: HotPotato_64 Start: 41334, Stop: 42050, Start Num: 13
Candidate Starts for HotPotato_64:
(10, 41304), (Start: 13 @41334 has 16 MA's), (20, 41577), (24, 41625), (26, 41703), (35, 41943),

Gene: Judy_69 Start: 41758, Stop: 42450, Start Num: 13
Candidate Starts for Judy_69:
(Start: 13 @41758 has 16 MA's), (20, 42001), (24, 42049), (28, 42145), (38, 42433),

Gene: Karkharias_65 Start: 40785, Stop: 41498, Start Num: 13

Candidate Starts for Karkharias_65:
(Start: 13 @40785 has 16 MA's), (20, 41025), (24, 41073), (35, 41391),

Gene: KayMoney_65 Start: 41347, Stop: 42039, Start Num: 13
Candidate Starts for KayMoney_65:
(10, 41317), (Start: 13 @41347 has 16 MA's), (20, 41590), (24, 41638), (28, 41734), (38, 42022),

Gene: LilyBell_65 Start: 40576, Stop: 41265, Start Num: 13
Candidate Starts for LilyBell_65:
(Start: 4 @40435 has 4 MA's), (7, 40480), (12, 40567), (Start: 13 @40576 has 16 MA's), (20, 40816), (24, 40864), (28, 40960), (38, 41248),

Gene: LittleRon_61 Start: 40882, Stop: 41574, Start Num: 13
Candidate Starts for LittleRon_61:
(10, 40852), (Start: 13 @40882 has 16 MA's), (20, 41125), (24, 41173), (28, 41269), (38, 41557),

Gene: Manilisa_54 Start: 39042, Stop: 39875, Start Num: 5
Candidate Starts for Manilisa_54:
(Start: 4 @39033 has 4 MA's), (Start: 5 @39042 has 1 MA's), (14, 39258), (15, 39303), (17, 39357), (18, 39366), (19, 39390), (27, 39552), (29, 39642), (30, 39666), (36, 39816),

Gene: Meyran_50 Start: 38971, Stop: 39804, Start Num: 5
Candidate Starts for Meyran_50:
(Start: 4 @38962 has 4 MA's), (Start: 5 @38971 has 1 MA's), (14, 39187), (15, 39232), (17, 39286), (18, 39295), (19, 39319), (27, 39481), (29, 39571), (30, 39595), (32, 39631), (33, 39670), (36, 39745),

Gene: NidoQ_62 Start: 40882, Stop: 41574, Start Num: 13
Candidate Starts for NidoQ_62:
(Start: 13 @40882 has 16 MA's), (20, 41125), (24, 41173), (28, 41269), (38, 41557),

Gene: NikkiHotWheels_65 Start: 40579, Stop: 41268, Start Num: 13
Candidate Starts for NikkiHotWheels_65:
(Start: 4 @40438 has 4 MA's), (7, 40483), (12, 40570), (Start: 13 @40579 has 16 MA's), (20, 40819), (24, 40867), (28, 40963), (38, 41251),

Gene: NoSwimming_58 Start: 39747, Stop: 40490, Start Num: 13
Candidate Starts for NoSwimming_58:
(Start: 13 @39747 has 16 MA's), (20, 39993), (21, 40011), (24, 40041), (31, 40257),

Gene: Nyceirae_55 Start: 38989, Stop: 39834, Start Num: 4
Candidate Starts for Nyceirae_55:
(Start: 4 @38989 has 4 MA's), (Start: 5 @38998 has 1 MA's), (14, 39217), (15, 39262), (17, 39316), (18, 39325), (19, 39349), (22, 39394), (25, 39460), (27, 39511), (29, 39601), (30, 39625), (33, 39700), (36, 39775),

Gene: Peas_67 Start: 42462, Stop: 43151, Start Num: 13
Candidate Starts for Peas_67:
(1, 42255), (Start: 13 @42462 has 16 MA's), (20, 42702), (24, 42750), (28, 42846), (38, 43134),

Gene: PeggyLeg03_67 Start: 41546, Stop: 42259, Start Num: 13
Candidate Starts for PeggyLeg03_67:
(Start: 13 @41546 has 16 MA's), (20, 41786), (24, 41834), (26, 41912), (35, 42152),

Gene: Phishy_54 Start: 39935, Stop: 40777, Start Num: 4
Candidate Starts for Phishy_54:
(Start: 4 @39935 has 4 MA's), (Start: 5 @39944 has 1 MA's), (14, 40160), (15, 40205), (17, 40259), (18, 40268), (19, 40292), (27, 40454), (29, 40544), (30, 40568), (32, 40604), (33, 40643), (34, 40655), (36, 40718),

Gene: Pucara_62 Start: 40913, Stop: 41629, Start Num: 13
Candidate Starts for Pucara_62:
(2, 40733), (3, 40757), (6, 40793), (8, 40832), (Start: 13 @40913 has 16 MA's), (20, 41156), (26, 41282), (35, 41522),

Gene: RootBeer_54 Start: 37821, Stop: 38534, Start Num: 13
Candidate Starts for RootBeer_54:
(11, 37800), (Start: 13 @37821 has 16 MA's), (20, 38061), (35, 38427), (37, 38463),

Gene: Scotia_57 Start: 38755, Stop: 39498, Start Num: 13
Candidate Starts for Scotia_57:
(Start: 13 @38755 has 16 MA's), (20, 39001), (21, 39019), (24, 39049), (31, 39265),

Gene: Vordorf_52 Start: 38235, Stop: 39068, Start Num: 5
Candidate Starts for Vordorf_52:
(Start: 4 @38226 has 4 MA's), (Start: 5 @38235 has 1 MA's), (14, 38451), (15, 38496), (17, 38550), (19, 38583), (23, 38646), (27, 38745), (29, 38835), (30, 38859), (32, 38895), (33, 38934), (36, 39009),