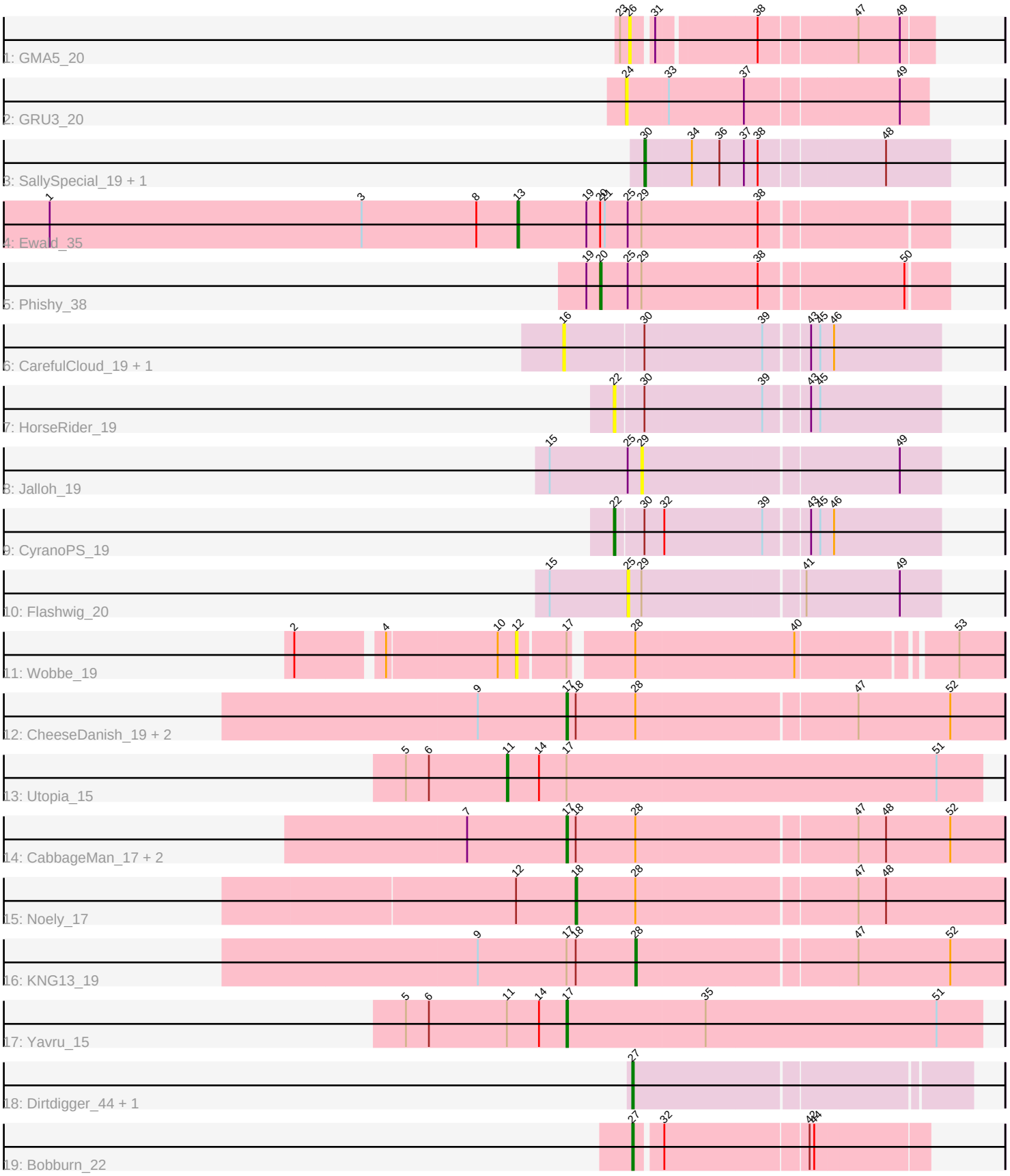
Pham 347961


1: GMA5_20
2: GRU3_20
3: SallySpecial_19 + 1
4: Ewald_35
5: Phishy_38
6: CarefulCloud_19 + 1
7: HorseRider_19
8: Jalloh_19
9: CyranoPS_19
10: Flashwig_20
11: Wobbe_19
12: CheeseDanish_19 + 2
13: Utopia_15
14: CabbageMan_17 + 2
15: Noely_17
16: KNG13_19
17: Yavru_15
18: Dirtdigger_44 + 1
19: Bobburn_22

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 347961 Report

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

Pham number 347961 has 26 members, 10 are drafts.

Phages represented in each track:
- Track 1 : GMA5_20
- Track 2 : GRU3_20
- Track 3 : SallySpecial_19, Dirtfootball_22
- Track 4 : Ewald_35
- Track 5 : Phishy_38
- Track 6 : CarefulCloud_19, TailX7_19
- Track 7 : HorseRider_19
- Track 8 : Jalloh_19
- Track 9 : CyranoPS_19
- Track 10 : Flashwig_20
- Track 11 : Wobbe_19
- Track 12 : CheeseDanish_19, Corgi_19, Nebulanyx_19
- Track 13 : Utopia_15
- Track 14 : CabbageMan_17, Pauu_18, LauKoruNamu_18
- Track 15 : Noely_17
- Track 16 : KNG13_19
- Track 17 : Yavru_15
- Track 18 : Dirtdigger_44, Gusanita_41
- Track 19 : Bobburn_22

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

The start number called the most often in the published annotations is 17, it was called in 6 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- CabbageMan_17, CheeseDanish_19, Corgi_19, LauKoruNamu_18, Nebulanyx_19, Pauu_18, Yavru_15,

Genes that have the "Most Annotated" start but do not call it:
- KNG13_19, Utopia_15, Wobbe_19,

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

• Bobburn_22, CarefulCloud_19, CyranoPS_19, Dirtdigger_44, Dirtfootball_22, Ewald_35, Flashwig_20, GMA5_20, GRU3_20, Gusanita_41, HorseRider_19, Jalloh_19, Noely_17, Phishy_38, SallySpecial_19, TailX7_19,

Summary by start number:

Start 11:
• Found in 2 of 26 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Utopia_15 (FE),

Start 12:
• Found in 2 of 26 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Wobbe_19 (FE),

Start 13:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ewald_35 (DT),

Start 16:
• Found in 2 of 26 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CarefulCloud_19 (ER), TailX7_19 (ER),

Start 17:
• Found in 10 of 26 (38.5%) of genes in pham
• Manual Annotations of this start: 6 of 16
• Called 70.0% of time when present
• Phage (with cluster) where this start called: CabbageMan_17 (FE), CheeseDanish_19 (FE), Corgi_19 (FE), LauKoruNamu_18 (FE), Nebulanyx_19 (FE), Pauu_18 (FE), Yavru_15 (FE),

Start 18:
• Found in 8 of 26 (30.8%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Noely_17 (FE),

Start 20:
• Found in 2 of 26 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Phishy_38 (DT),

Start 22:
• Found in 2 of 26 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 16

• Called 100.0% of time when present
• Phage (with cluster) where this start called: CyranoPS_19 (ER), HorseRider_19 (ER),

Start 24:
• Found in 1 of 26 (3.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GRU3_20 (CW2),

Start 25:
• Found in 4 of 26 (15.4%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Flashwig_20 (ER),

Start 26:
• Found in 1 of 26 (3.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA5_20 (CW2),

Start 27:
• Found in 3 of 26 (11.5%) of genes in pham
• Manual Annotations of this start: 3 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bobburn_22 (singleton), Dirtdigger_44 (FF), Gusanita_41 (FF),

Start 28:
• Found in 9 of 26 (34.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 11.1% of time when present
• Phage (with cluster) where this start called: KNG13_19 (FE),

Start 29:
• Found in 4 of 26 (15.4%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Jalloh_19 (ER),

Start 30:
• Found in 6 of 26 (23.1%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Dirtfootball_22 (DM), SallySpecial_19 (DM),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, DM, CW2, FE, FF, DT, ER,

Info for manual annotations of cluster DM:
•Start number 30 was manually annotated 1 time for cluster DM.

Info for manual annotations of cluster DT:
•Start number 13 was manually annotated 1 time for cluster DT.
•Start number 20 was manually annotated 1 time for cluster DT.

Info for manual annotations of cluster ER:
•Start number 22 was manually annotated 1 time for cluster ER.

Info for manual annotations of cluster FE:
•Start number 11 was manually annotated 1 time for cluster FE.
•Start number 17 was manually annotated 6 times for cluster FE.
•Start number 18 was manually annotated 1 time for cluster FE.
•Start number 28 was manually annotated 1 time for cluster FE.

Info for manual annotations of cluster FF:
•Start number 27 was manually annotated 2 times for cluster FF.

Gene Information:

Gene: Bobburn_22 Start: 15584, Stop: 15763, Start Num: 27
Candidate Starts for Bobburn_22:
(Start: 27 @15584 has 3 MA's), (32, 15599), (42, 15689), (44, 15692),

Gene: CabbageMan_17 Start: 13096, Stop: 13374, Start Num: 17
Candidate Starts for CabbageMan_17:
(7, 13033), (Start: 17 @13096 has 6 MA's), (Start: 18 @13102 has 1 MA's), (Start: 28 @13141 has 1 MA's), (47, 13279), (48, 13297), (52, 13339),

Gene: CarefulCloud_19 Start: 12759, Stop: 12995, Start Num: 16
Candidate Starts for CarefulCloud_19:
(16, 12759), (Start: 30 @12810 has 1 MA's), (39, 12885), (43, 12912), (45, 12918), (46, 12927),

Gene: CheeseDanish_19 Start: 13255, Stop: 13533, Start Num: 17
Candidate Starts for CheeseDanish_19:
(9, 13198), (Start: 17 @13255 has 6 MA's), (Start: 18 @13261 has 1 MA's), (Start: 28 @13300 has 1 MA's), (47, 13438), (52, 13498),

Gene: Corgi_19 Start: 13255, Stop: 13533, Start Num: 17
Candidate Starts for Corgi_19:
(9, 13198), (Start: 17 @13255 has 6 MA's), (Start: 18 @13261 has 1 MA's), (Start: 28 @13300 has 1 MA's), (47, 13438), (52, 13498),

Gene: CyranoPS_19 Start: 12813, Stop: 13016, Start Num: 22
Candidate Starts for CyranoPS_19:
(Start: 22 @12813 has 1 MA's), (Start: 30 @12831 has 1 MA's), (32, 12843), (39, 12906), (43, 12933), (45, 12939), (46, 12948),

Gene: Dirtdigger_44 Start: 30893, Stop: 31102, Start Num: 27
Candidate Starts for Dirtdigger_44:

(Start: 27 @30893 has 3 MA's),

Gene: Dirtfootball_22 Start: 14446, Stop: 14637, Start Num: 30
Candidate Starts for Dirtfootball_22:
(Start: 30 @14446 has 1 MA's), (34, 14476), (36, 14494), (37, 14509), (38, 14518), (48, 14596),

Gene: Ewald_35 Start: 29931, Stop: 30203, Start Num: 13
Candidate Starts for Ewald_35:
(1, 29625), (3, 29829), (8, 29904), (Start: 13 @29931 has 1 MA's), (19, 29976), (Start: 20 @29985 has 1 MA's), (21, 29988), (25, 30003), (29, 30012), (38, 30087),

Gene: Flashwig_20 Start: 13383, Stop: 13580, Start Num: 25
Candidate Starts for Flashwig_20:
(15, 13332), (25, 13383), (29, 13392), (41, 13494), (49, 13554),

Gene: GMA5_20 Start: 14712, Stop: 14891, Start Num: 26
Candidate Starts for GMA5_20:
(23, 14706), (26, 14712), (31, 14724), (38, 14784), (47, 14844), (49, 14871),

Gene: GRU3_20 Start: 14761, Stop: 14949, Start Num: 24
Candidate Starts for GRU3_20:
(24, 14761), (33, 14788), (37, 14836), (49, 14932),

Gene: Gusanita_41 Start: 30644, Stop: 30853, Start Num: 27
Candidate Starts for Gusanita_41:
(Start: 27 @30644 has 3 MA's),

Gene: HorseRider_19 Start: 12860, Stop: 13063, Start Num: 22
Candidate Starts for HorseRider_19:
(Start: 22 @12860 has 1 MA's), (Start: 30 @12878 has 1 MA's), (39, 12953), (43, 12980), (45, 12986),

Gene: Jalloh_19 Start: 12648, Stop: 12836, Start Num: 29
Candidate Starts for Jalloh_19:
(15, 12588), (25, 12639), (29, 12648), (49, 12810),

Gene: KNG13_19 Start: 13297, Stop: 13530, Start Num: 28
Candidate Starts for KNG13_19:
(9, 13195), (Start: 17 @13252 has 6 MA's), (Start: 18 @13258 has 1 MA's), (Start: 28 @13297 has 1 MA's), (47, 13435), (52, 13495),

Gene: LauKoruNamu_18 Start: 13096, Stop: 13374, Start Num: 17
Candidate Starts for LauKoruNamu_18:
(7, 13033), (Start: 17 @13096 has 6 MA's), (Start: 18 @13102 has 1 MA's), (Start: 28 @13141 has 1 MA's), (47, 13279), (48, 13297), (52, 13339),

Gene: Nebulanyx_19 Start: 13252, Stop: 13530, Start Num: 17
Candidate Starts for Nebulanyx_19:
(9, 13195), (Start: 17 @13252 has 6 MA's), (Start: 18 @13258 has 1 MA's), (Start: 28 @13297 has 1 MA's), (47, 13435), (52, 13495),

Gene: Noely_17 Start: 12627, Stop: 12899, Start Num: 18
Candidate Starts for Noely_17:
(12, 12588), (Start: 18 @12627 has 1 MA's), (Start: 28 @12666 has 1 MA's), (47, 12804), (48, 12822),

Gene: Pauu_18 Start: 13096, Stop: 13374, Start Num: 17
Candidate Starts for Pauu_18:
(7, 13033), (Start: 17 @13096 has 6 MA's), (Start: 18 @13102 has 1 MA's), (Start: 28 @13141 has 1 MA's), (47, 13279), (48, 13297), (52, 13339),

Gene: Phishy_38 Start: 31603, Stop: 31821, Start Num: 20
Candidate Starts for Phishy_38:
(19, 31594), (Start: 20 @31603 has 1 MA's), (25, 31621), (29, 31630), (38, 31705), (50, 31795),

Gene: SallySpecial_19 Start: 14475, Stop: 14666, Start Num: 30
Candidate Starts for SallySpecial_19:
(Start: 30 @14475 has 1 MA's), (34, 14505), (36, 14523), (37, 14538), (38, 14547), (48, 14625),

Gene: TailX7_19 Start: 12907, Stop: 13143, Start Num: 16
Candidate Starts for TailX7_19:
(16, 12907), (Start: 30 @12958 has 1 MA's), (39, 13033), (43, 13060), (45, 13066), (46, 13075),

Gene: Utopia_15 Start: 12409, Stop: 12717, Start Num: 11
Candidate Starts for Utopia_15:
(5, 12343), (6, 12358), (Start: 11 @12409 has 1 MA's), (14, 12430), (Start: 17 @12448 has 6 MA's), (51, 12688),

Gene: Wobbe_19 Start: 13011, Stop: 13301, Start Num: 12
Candidate Starts for Wobbe_19:
(2, 12879), (4, 12930), (10, 12999), (12, 13011), (Start: 17 @13041 has 6 MA's), (Start: 28 @13077 has 1 MA's), (40, 13179), (53, 13272),

Gene: Yavru_15 Start: 12438, Stop: 12707, Start Num: 17
Candidate Starts for Yavru_15:
(5, 12333), (6, 12348), (Start: 11 @12399 has 1 MA's), (14, 12420), (Start: 17 @12438 has 6 MA's), (35, 12528), (51, 12678),