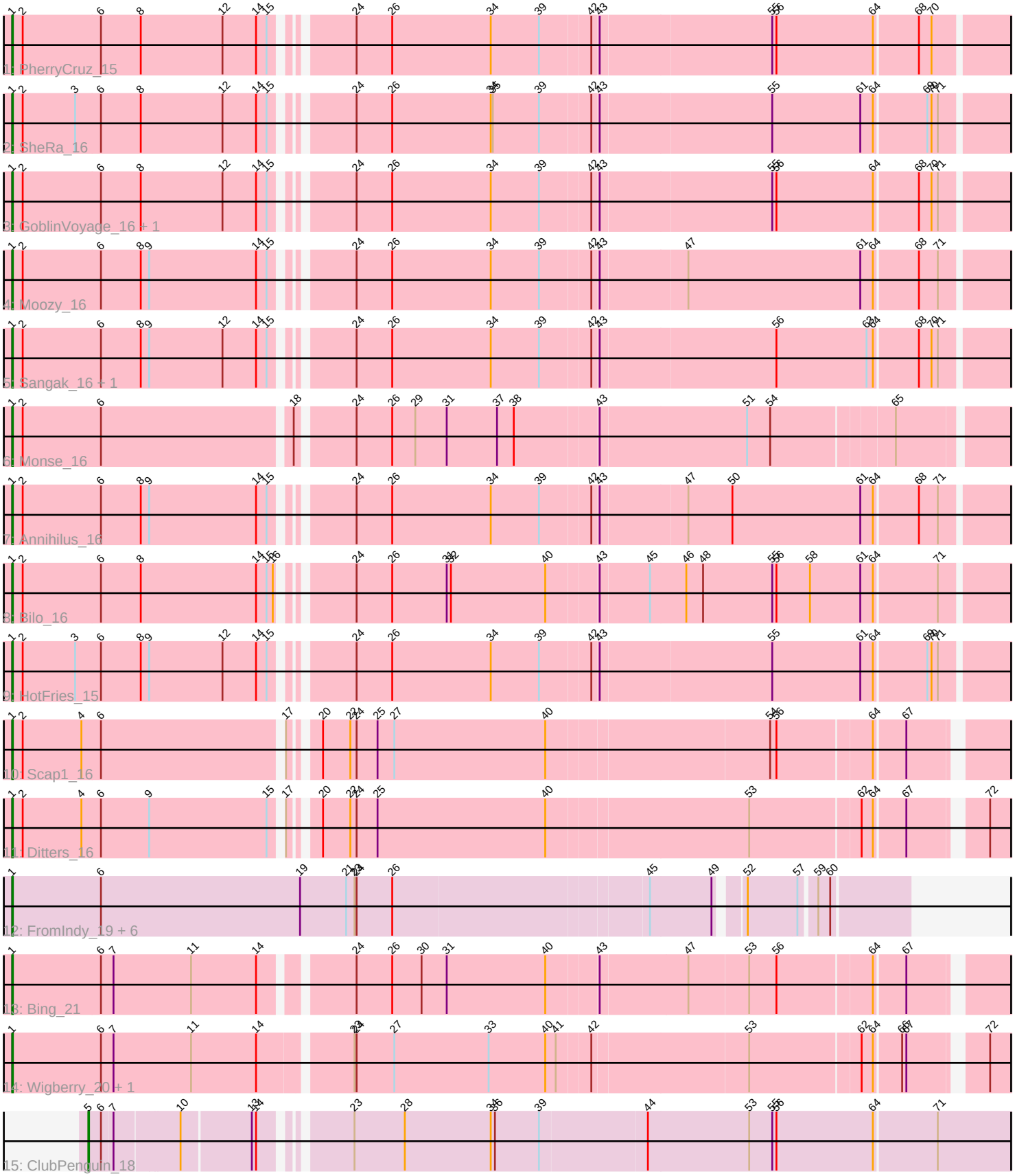
Pham 347990


1: PherryCruz_15
2: SheRa_16
3: GoblinVoyage_16 + 1
4: Moozy_16
5: Sangak_16 + 1
6: Monse_16
7: Annihilus_16
8: Bilo_16
9: HotFries_15
10: Scap1_16
11: Ditters_16
12: FromIndy_19 + 6
13: Bing_21
14: Wigberry_20 + 1
15: ClubPenguin_18

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 347990 Report

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

Pham number 347990 has 24 members, 4 are drafts.

Phages represented in each track:
• Track 1 : PherryCruz_15
• Track 2 : SheRa_16
• Track 3 : GoblinVoyage_16, RavenPuff_15
• Track 4 : Moozy_16
• Track 5 : Sangak_16, Doxi13_16
• Track 6 : Monse_16
• Track 7 : Annihilus_16
• Track 8 : Bilo_16
• Track 9 : HotFries_15
• Track 10 : Scap1_16
• Track 11 : Ditters_16
• Track 12 : FromIndy_19, SendItCS_17, Regigigas_19, Rainydai_18, Thiqqums_18, CricKo_18, Miek_18
• Track 13 : Bing_21
• Track 14 : Wigberry_20, Hajile_21
• Track 15 : ClubPenguin_18

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

The start number called the most often in the published annotations is 1, it was called in 19 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annihilus_16, Bilo_16, Bing_21, CricKo_18, Ditters_16, Doxi13_16, FromIndy_19, GoblinVoyage_16, Hajile_21, HotFries_15, Miek_18, Monse_16, Moozy_16, PherryCruz_15, Rainydai_18, RavenPuff_15, Regigigas_19, Sangak_16, Scap1_16, SendItCS_17, SheRa_16, Thiqqums_18, Wigberry_20,

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

Genes that do not have the "Most Annotated" start:
• ClubPenguin_18,

Summary by start number:

Start 1:
• Found in 23 of 24 (95.8%) of genes in pham
• Manual Annotations of this start: 19 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annihilus_16 (BI2), Bilo_16 (BI2), Bing_21 (BI5), CricKo_18 (BI4), Ditters_16 (BI2), Doxi13_16 (BI2), FromIndy_19 (BI4), GoblinVoyage_16 (BI2), Hajile_21 (BI5), HotFries_15 (BI2), Miek_18 (BI4), Monse_16 (BI2), Moozy_16 (BI2), PherryCruz_15 (BI2), Rainydai_18 (BI4), RavenPuff_15 (BI2), Regigigas_19 (BI4), Sangak_16 (BI2), Scap1_16 (BI2), SendItCS_17 (BI4), SheRa_16 (BI2), Thiqqums_18 (BI4), Wigberry_20 (BI5),

Start 5:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ClubPenguin_18 (BI7),

Summary by clusters:

There are 4 clusters represented in this pham: BI7, BI4, BI5, BI2,

Info for manual annotations of cluster BI2:
•Start number 1 was manually annotated 12 times for cluster BI2.

Info for manual annotations of cluster BI4:
•Start number 1 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster BI5:
•Start number 1 was manually annotated 2 times for cluster BI5.

Info for manual annotations of cluster BI7:
•Start number 5 was manually annotated 1 time for cluster BI7.

Gene Information:

Gene: Annihilus_16 Start: 11469, Stop: 12845, Start Num: 1
Candidate Starts for Annihilus_16:
(Start: 1 @11469 has 19 MA's), (2, 11484), (6, 11595), (8, 11652), (9, 11664), (14, 11817), (15, 11832), (24, 11922), (26, 11973), (34, 12114), (39, 12183), (42, 12252), (43, 12261), (47, 12381), (50, 12444), (61, 12627), (64, 12645), (68, 12705), (71, 12732),

Gene: Bilo_16 Start: 11961, Stop: 13340, Start Num: 1
Candidate Starts for Bilo_16:
(Start: 1 @11961 has 19 MA's), (2, 11976), (6, 12087), (8, 12144), (14, 12309), (15, 12324), (16, 12333), (24, 12414), (26, 12465), (31, 12543), (32, 12549), (40, 12684), (43, 12753), (45, 12822), (46, 12873), (48, 12897), (55, 12996), (56, 13002), (58, 13050), (61, 13122), (64, 13140), (71, 13227),

Gene: Bing_21 Start: 13993, Stop: 15351, Start Num: 1
Candidate Starts for Bing_21:

(Start: 1 @13993 has 19 MA's), (6, 14119), (7, 14137), (11, 14248), (14, 14341), (24, 14452), (26, 14503), (30, 14545), (31, 14581), (40, 14722), (43, 14791), (47, 14914), (53, 14998), (56, 15037), (64, 15166), (67, 15208),

Gene: ClubPenguin_18 Start: 13733, Stop: 15007, Start Num: 5
Candidate Starts for ClubPenguin_18:
(Start: 5 @13733 has 1 MA's), (6, 13751), (7, 13766), (10, 13853), (13, 13949), (14, 13955), (23, 14057), (28, 14129), (34, 14252), (36, 14258), (39, 14321), (44, 14471), (53, 14615), (55, 14648), (56, 14654), (64, 14792), (71, 14879),

Gene: CricKo_18 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for CricKo_18:
(Start: 1 @13172 has 19 MA's), (6, 13298), (19, 13583), (21, 13649), (23, 13661), (24, 13664), (26, 13715), (45, 14066), (49, 14153), (52, 14183), (57, 14252), (59, 14273), (60, 14288),

Gene: Ditters_16 Start: 11957, Stop: 13312, Start Num: 1
Candidate Starts for Ditters_16:
(Start: 1 @11957 has 19 MA's), (2, 11972), (4, 12056), (6, 12083), (9, 12152), (15, 12320), (17, 12332), (20, 12362), (22, 12401), (24, 12410), (25, 12440), (40, 12680), (53, 12959), (62, 13112), (64, 13127), (67, 13169), (72, 13262),

Gene: Doxi13_16 Start: 11439, Stop: 12815, Start Num: 1
Candidate Starts for Doxi13_16:
(Start: 1 @11439 has 19 MA's), (2, 11454), (6, 11565), (8, 11622), (9, 11634), (12, 11739), (14, 11787), (15, 11802), (24, 11892), (26, 11943), (34, 12084), (39, 12153), (42, 12222), (43, 12231), (56, 12477), (63, 12606), (64, 12615), (68, 12675), (70, 12693), (71, 12702),

Gene: FromIndy_19 Start: 13157, Stop: 14380, Start Num: 1
Candidate Starts for FromIndy_19:
(Start: 1 @13157 has 19 MA's), (6, 13283), (19, 13568), (21, 13634), (23, 13646), (24, 13649), (26, 13700), (45, 14051), (49, 14138), (52, 14168), (57, 14237), (59, 14258), (60, 14273),

Gene: GoblinVoyage_16 Start: 11439, Stop: 12815, Start Num: 1
Candidate Starts for GoblinVoyage_16:
(Start: 1 @11439 has 19 MA's), (2, 11454), (6, 11565), (8, 11622), (12, 11739), (14, 11787), (15, 11802), (24, 11892), (26, 11943), (34, 12084), (39, 12153), (42, 12222), (43, 12231), (55, 12471), (56, 12477), (64, 12615), (68, 12675), (70, 12693), (71, 12702),

Gene: Hajile_21 Start: 13534, Stop: 14904, Start Num: 1
Candidate Starts for Hajile_21:
(Start: 1 @13534 has 19 MA's), (6, 13660), (7, 13678), (11, 13789), (14, 13882), (23, 14002), (24, 14005), (27, 14059), (33, 14194), (40, 14275), (41, 14290), (42, 14335), (53, 14551), (62, 14704), (64, 14719), (66, 14755), (67, 14761), (72, 14854),

Gene: HotFries_15 Start: 11439, Stop: 12815, Start Num: 1
Candidate Starts for HotFries_15:
(Start: 1 @11439 has 19 MA's), (2, 11454), (3, 11529), (6, 11565), (8, 11622), (9, 11634), (12, 11739), (14, 11787), (15, 11802), (24, 11892), (26, 11943), (34, 12084), (39, 12153), (42, 12222), (43, 12231), (55, 12471), (61, 12597), (64, 12615), (69, 12687), (70, 12693), (71, 12702),

Gene: Miek_18 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for Miek_18:

(Start: 1 @13172 has 19 MA's), (6, 13298), (19, 13583), (21, 13649), (23, 13661), (24, 13664), (26, 13715), (45, 14066), (49, 14153), (52, 14183), (57, 14252), (59, 14273), (60, 14288),

Gene: Monse_16 Start: 11471, Stop: 12841, Start Num: 1
Candidate Starts for Monse_16:
(Start: 1 @11471 has 19 MA's), (2, 11486), (6, 11597), (18, 11858), (24, 11930), (26, 11981), (29, 12014), (31, 12059), (37, 12131), (38, 12155), (43, 12269), (51, 12476), (54, 12509), (65, 12674),

Gene: Moozy_16 Start: 11456, Stop: 12832, Start Num: 1
Candidate Starts for Moozy_16:
(Start: 1 @11456 has 19 MA's), (2, 11471), (6, 11582), (8, 11639), (9, 11651), (14, 11804), (15, 11819), (24, 11909), (26, 11960), (34, 12101), (39, 12170), (42, 12239), (43, 12248), (47, 12368), (61, 12614), (64, 12632), (68, 12692), (71, 12719),

Gene: PherryCruz_15 Start: 11439, Stop: 12815, Start Num: 1
Candidate Starts for PherryCruz_15:
(Start: 1 @11439 has 19 MA's), (2, 11454), (6, 11565), (8, 11622), (12, 11739), (14, 11787), (15, 11802), (24, 11892), (26, 11943), (34, 12084), (39, 12153), (42, 12222), (43, 12231), (55, 12471), (56, 12477), (64, 12615), (68, 12675), (70, 12693),

Gene: Rainydai_18 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for Rainydai_18:
(Start: 1 @13172 has 19 MA's), (6, 13298), (19, 13583), (21, 13649), (23, 13661), (24, 13664), (26, 13715), (45, 14066), (49, 14153), (52, 14183), (57, 14252), (59, 14273), (60, 14288),

Gene: RavenPuff_15 Start: 11439, Stop: 12815, Start Num: 1
Candidate Starts for RavenPuff_15:
(Start: 1 @11439 has 19 MA's), (2, 11454), (6, 11565), (8, 11622), (12, 11739), (14, 11787), (15, 11802), (24, 11892), (26, 11943), (34, 12084), (39, 12153), (42, 12222), (43, 12231), (55, 12471), (56, 12477), (64, 12615), (68, 12675), (70, 12693), (71, 12702),

Gene: Regigigas_19 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for Regigigas_19:
(Start: 1 @13172 has 19 MA's), (6, 13298), (19, 13583), (21, 13649), (23, 13661), (24, 13664), (26, 13715), (45, 14066), (49, 14153), (52, 14183), (57, 14252), (59, 14273), (60, 14288),

Gene: Sangak_16 Start: 11440, Stop: 12816, Start Num: 1
Candidate Starts for Sangak_16:
(Start: 1 @11440 has 19 MA's), (2, 11455), (6, 11566), (8, 11623), (9, 11635), (12, 11740), (14, 11788), (15, 11803), (24, 11893), (26, 11944), (34, 12085), (39, 12154), (42, 12223), (43, 12232), (56, 12478), (63, 12607), (64, 12616), (68, 12676), (70, 12694), (71, 12703),

Gene: Scap1_16 Start: 11427, Stop: 12779, Start Num: 1
Candidate Starts for Scap1_16:
(Start: 1 @11427 has 19 MA's), (2, 11442), (4, 11526), (6, 11553), (17, 11802), (20, 11832), (22, 11871), (24, 11880), (25, 11910), (27, 11934), (40, 12150), (54, 12456), (56, 12465), (64, 12594), (67, 12636),

Gene: SendItCS_17 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for SendItCS_17:
(Start: 1 @13172 has 19 MA's), (6, 13298), (19, 13583), (21, 13649), (23, 13661), (24, 13664), (26, 13715), (45, 14066), (49, 14153), (52, 14183), (57, 14252), (59, 14273), (60, 14288),

Gene: SheRa_16 Start: 11439, Stop: 12815, Start Num: 1
Candidate Starts for SheRa_16:
(Start: 1 @11439 has 19 MA's), (2, 11454), (3, 11529), (6, 11565), (8, 11622), (12, 11739), (14, 11787), (15, 11802), (24, 11892), (26, 11943), (34, 12084), (35, 12087), (39, 12153), (42, 12222), (43, 12231), (55, 12471), (61, 12597), (64, 12615), (69, 12687), (70, 12693), (71, 12702),

Gene: Thiqqums_18 Start: 13172, Stop: 14395, Start Num: 1
Candidate Starts for Thiqqums_18:
(Start: 1 @13172 has 19 MA's), (6, 13298), (19, 13583), (21, 13649), (23, 13661), (24, 13664), (26, 13715), (45, 14066), (49, 14153), (52, 14183), (57, 14252), (59, 14273), (60, 14288),

Gene: Wigberry_20 Start: 13534, Stop: 14904, Start Num: 1
Candidate Starts for Wigberry_20:
(Start: 1 @13534 has 19 MA's), (6, 13660), (7, 13678), (11, 13789), (14, 13882), (23, 14002), (24, 14005), (27, 14059), (33, 14194), (40, 14275), (41, 14290), (42, 14335), (53, 14551), (62, 14704), (64, 14719), (66, 14755), (67, 14761), (72, 14854),