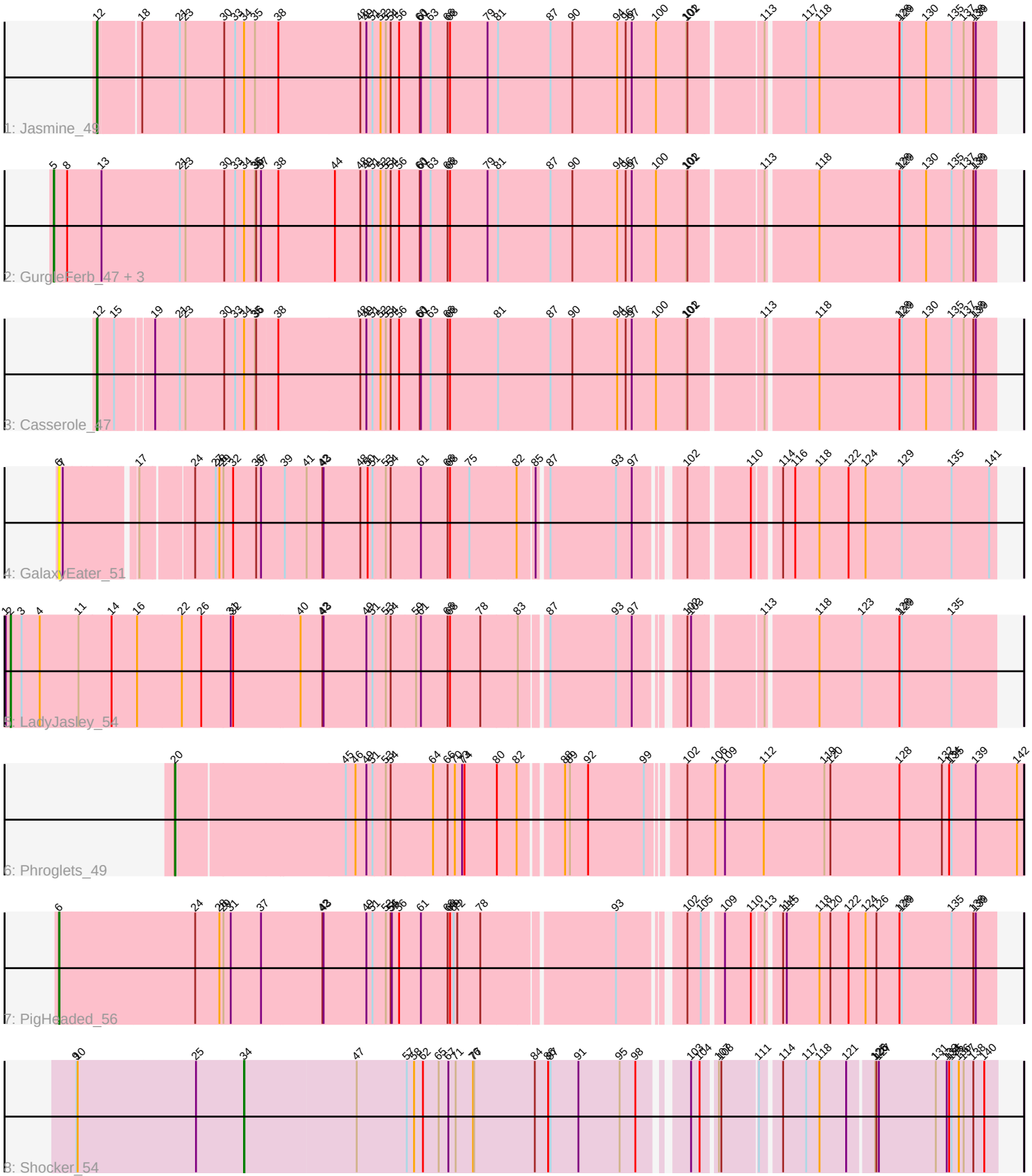
Pham 348230


1: Jasmine_49
2: GurgleFerb_47 + 3
3: Casserole_47
4: GalaxyEater_51
5: LadyJasley_54
6: Phroglets_49
7: PigHeaded_56
8: Shocker_54

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 348230 Report

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

Pham number 348230 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Jasmine_49
• Track 2 : GurgleFerb_47, Brad_47, Nellie_47, Adat_47
• Track 3 : Casserole_47
• Track 4 : GalaxyEater_51
• Track 5 : LadyJasley_54
• Track 6 : Phroglets_49
• Track 7 : PigHeaded_56
• Track 8 : Shocker_54

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 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adat_47, Brad_47, GurgleFerb_47, Nellie_47,

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

Genes that do not have the "Most Annotated" start:
• Casserole_47, GalaxyEater_51, Jasmine_49, LadyJasley_54, Phroglets_49, PigHeaded_56, Shocker_54,

Summary by start number:

Start 2:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LadyJasley_54 (AV),

Start 5:
• Found in 4 of 11 (36.4%) of genes in pham

• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adat_47 (AV), Brad_47 (AV), GurgleFerb_47 (AV), Nellie_47 (AV),

Start 6:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GalaxyEater_51 (AV), PigHeaded_56 (AV),

Start 12:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Casserole_47 (AV), Jasmine_49 (AV),

Start 20:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phroglets_49 (AV),

Start 34:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Shocker_54 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, AV,

Info for manual annotations of cluster AV:
•Start number 2 was manually annotated 1 time for cluster AV.
•Start number 5 was manually annotated 4 times for cluster AV.
•Start number 6 was manually annotated 1 time for cluster AV.
•Start number 12 was manually annotated 2 times for cluster AV.
•Start number 20 was manually annotated 1 time for cluster AV.

Gene Information:

Gene: Adat_47 Start: 40998, Stop: 38749, Start Num: 5
Candidate Starts for Adat_47:
(Start: 5 @40998 has 4 MA's), (8, 40965), (13, 40881), (21, 40692), (23, 40680), (30, 40590), (33, 40563), (Start: 34 @40542 has 1 MA's), (35, 40515), (36, 40512), (37, 40500), (38, 40461), (44, 40323), (48, 40260), (49, 40245), (51, 40230), (52, 40212), (53, 40200), (54, 40188), (56, 40167), (60, 40119), (61, 40116), (63, 40092), (66, 40050), (68, 40044), (79, 39954), (81, 39930), (87, 39807), (90, 39753), (94, 39642), (96, 39621), (97, 39606), (100, 39546), (101, 39471), (102, 39468), (113, 39303), (118, 39183), (128, 38985), (129, 38979), (130, 38919), (135, 38856), (137, 38826), (138, 38802),

(139, 38796),

Gene: Brad_47 Start: 40996, Stop: 38747, Start Num: 5
Candidate Starts for Brad_47:
(Start: 5 @40996 has 4 MA's), (8, 40963), (13, 40879), (21, 40690), (23, 40678), (30, 40588), (33, 40561), (Start: 34 @40540 has 1 MA's), (35, 40513), (36, 40510), (37, 40498), (38, 40459), (44, 40321), (48, 40258), (49, 40243), (51, 40228), (52, 40210), (53, 40198), (54, 40186), (56, 40165), (60, 40117), (61, 40114), (63, 40090), (66, 40048), (68, 40042), (79, 39952), (81, 39928), (87, 39805), (90, 39751), (94, 39640), (96, 39619), (97, 39604), (100, 39544), (101, 39469), (102, 39466), (113, 39301), (118, 39181), (128, 38983), (129, 38977), (130, 38917), (135, 38854), (137, 38824), (138, 38800), (139, 38794),

Gene: Casserole_47 Start: 42008, Stop: 39894, Start Num: 12
Candidate Starts for Casserole_47:
(Start: 12 @42008 has 2 MA's), (15, 41975), (19, 41894), (21, 41837), (23, 41825), (30, 41735), (33, 41708), (Start: 34 @41687 has 1 MA's), (35, 41660), (36, 41657), (38, 41606), (48, 41405), (49, 41390), (51, 41375), (52, 41357), (53, 41345), (54, 41333), (56, 41312), (60, 41264), (61, 41261), (63, 41237), (66, 41195), (68, 41189), (81, 41075), (87, 40952), (90, 40898), (94, 40787), (96, 40766), (97, 40751), (100, 40691), (101, 40616), (102, 40613), (113, 40448), (118, 40328), (128, 40130), (129, 40124), (130, 40064), (135, 40001), (137, 39971), (138, 39947), (139, 39941),

Gene: GalaxyEater_51 Start: 43702, Stop: 41588, Start Num: 6
Candidate Starts for GalaxyEater_51:
(Start: 6 @43702 has 1 MA's), (7, 43696), (17, 43546), (24, 43429), (27, 43381), (28, 43372), (29, 43363), (32, 43339), (36, 43282), (37, 43270), (39, 43216), (41, 43162), (42, 43123), (43, 43120), (48, 43030), (50, 43012), (51, 43000), (53, 42970), (54, 42958), (61, 42886), (66, 42820), (68, 42814), (75, 42766), (82, 42655), (85, 42616), (87, 42598), (93, 42436), (97, 42397), (102, 42304), (110, 42169), (114, 42115), (116, 42085), (118, 42025), (122, 41953), (124, 41911), (129, 41821), (135, 41698), (141, 41605),

Gene: GurgleFerb_47 Start: 40997, Stop: 38748, Start Num: 5
Candidate Starts for GurgleFerb_47:
(Start: 5 @40997 has 4 MA's), (8, 40964), (13, 40880), (21, 40691), (23, 40679), (30, 40589), (33, 40562), (Start: 34 @40541 has 1 MA's), (35, 40514), (36, 40511), (37, 40499), (38, 40460), (44, 40322), (48, 40259), (49, 40244), (51, 40229), (52, 40211), (53, 40199), (54, 40187), (56, 40166), (60, 40118), (61, 40115), (63, 40091), (66, 40049), (68, 40043), (79, 39953), (81, 39929), (87, 39806), (90, 39752), (94, 39641), (96, 39620), (97, 39605), (100, 39545), (101, 39470), (102, 39467), (113, 39302), (118, 39182), (128, 38984), (129, 38978), (130, 38918), (135, 38855), (137, 38825), (138, 38801), (139, 38795),

Gene: Jasmine_49 Start: 42488, Stop: 40368, Start Num: 12
Candidate Starts for Jasmine_49:
(Start: 12 @42488 has 2 MA's), (18, 42395), (21, 42311), (23, 42299), (30, 42209), (33, 42182), (Start: 34 @42161 has 1 MA's), (35, 42134), (38, 42080), (48, 41879), (49, 41864), (51, 41849), (52, 41831), (53, 41819), (54, 41807), (56, 41786), (60, 41738), (61, 41735), (63, 41711), (66, 41669), (68, 41663), (79, 41573), (81, 41549), (87, 41426), (90, 41372), (94, 41261), (96, 41240), (97, 41225), (100, 41165), (101, 41090), (102, 41087), (113, 40922), (117, 40835), (118, 40802), (128, 40604), (129, 40598), (130, 40538), (135, 40475), (137, 40445), (138, 40421), (139, 40415),

Gene: LadyJasley_54 Start: 43617, Stop: 41323, Start Num: 2
Candidate Starts for LadyJasley_54:
(1, 43629), (Start: 2 @43617 has 1 MA's), (3, 43590), (4, 43545), (11, 43449), (14, 43368), (16, 43305), (22, 43197), (26, 43149), (31, 43077), (32, 43071), (40, 42909), (42, 42855), (43, 42852), (49, 42747),

(51, 42732), (53, 42702), (54, 42690), (59, 42630), (61, 42618), (66, 42552), (68, 42546), (78, 42471), (83, 42384), (87, 42330), (93, 42168), (97, 42129), (102, 42036), (103, 42027), (113, 41877), (118, 41757), (123, 41652), (128, 41562), (129, 41556), (135, 41433),

Gene: Nellie_47 Start: 40998, Stop: 38749, Start Num: 5
Candidate Starts for Nellie_47:
(Start: 5 @40998 has 4 MA's), (8, 40965), (13, 40881), (21, 40692), (23, 40680), (30, 40590), (33, 40563), (Start: 34 @40542 has 1 MA's), (35, 40515), (36, 40512), (37, 40500), (38, 40461), (44, 40323), (48, 40260), (49, 40245), (51, 40230), (52, 40212), (53, 40200), (54, 40188), (56, 40167), (60, 40119), (61, 40116), (63, 40092), (66, 40050), (68, 40044), (79, 39954), (81, 39930), (87, 39807), (90, 39753), (94, 39642), (96, 39621), (97, 39606), (100, 39546), (101, 39471), (102, 39468), (113, 39303), (118, 39183), (128, 38985), (129, 38979), (130, 38919), (135, 38856), (137, 38826), (138, 38802), (139, 38796),

Gene: Phroglets_49 Start: 42178, Stop: 40175, Start Num: 20
Candidate Starts for Phroglets_49:
(Start: 20 @42178 has 1 MA's), (45, 41776), (46, 41752), (49, 41725), (51, 41710), (53, 41680), (54, 41668), (64, 41566), (66, 41533), (70, 41515), (73, 41497), (74, 41491), (80, 41413), (82, 41368), (88, 41278), (89, 41266), (92, 41221), (99, 41083), (102, 41008), (106, 40939), (109, 40915), (112, 40819), (119, 40669), (120, 40654), (128, 40483), (132, 40378), (134, 40360), (135, 40354), (139, 40294), (142, 40192),

Gene: PigHeaded_56 Start: 42931, Stop: 40772, Start Num: 6
Candidate Starts for PigHeaded_56:
(Start: 6 @42931 has 1 MA's), (24, 42610), (28, 42553), (29, 42544), (31, 42526), (37, 42451), (42, 42304), (43, 42301), (49, 42196), (51, 42181), (53, 42151), (54, 42139), (55, 42136), (56, 42118), (61, 42067), (66, 42001), (68, 41995), (69, 41986), (72, 41977), (78, 41920), (93, 41617), (102, 41485), (105, 41452), (109, 41410), (110, 41350), (113, 41326), (114, 41296), (115, 41287), (118, 41206), (120, 41179), (122, 41134), (124, 41092), (126, 41065), (128, 41008), (129, 41002), (135, 40879), (138, 40825), (139, 40819),

Gene: Shocker_54 Start: 41341, Stop: 39593, Start Num: 34
Candidate Starts for Shocker_54:
(9, 41743), (10, 41740), (25, 41455), (Start: 34 @41341 has 1 MA's), (47, 41068), (57, 40945), (58, 40927), (62, 40906), (65, 40867), (67, 40843), (71, 40825), (76, 40783), (77, 40780), (84, 40630), (86, 40597), (87, 40591), (91, 40522), (95, 40420), (98, 40381), (103, 40288), (104, 40267), (107, 40237), (108, 40231), (111, 40150), (114, 40108), (117, 40051), (118, 40018), (121, 39952), (125, 39892), (126, 39889), (127, 39883), (131, 39742), (133, 39718), (134, 39712), (135, 39706), (136, 39688), (137, 39676), (138, 39652), (140, 39625),