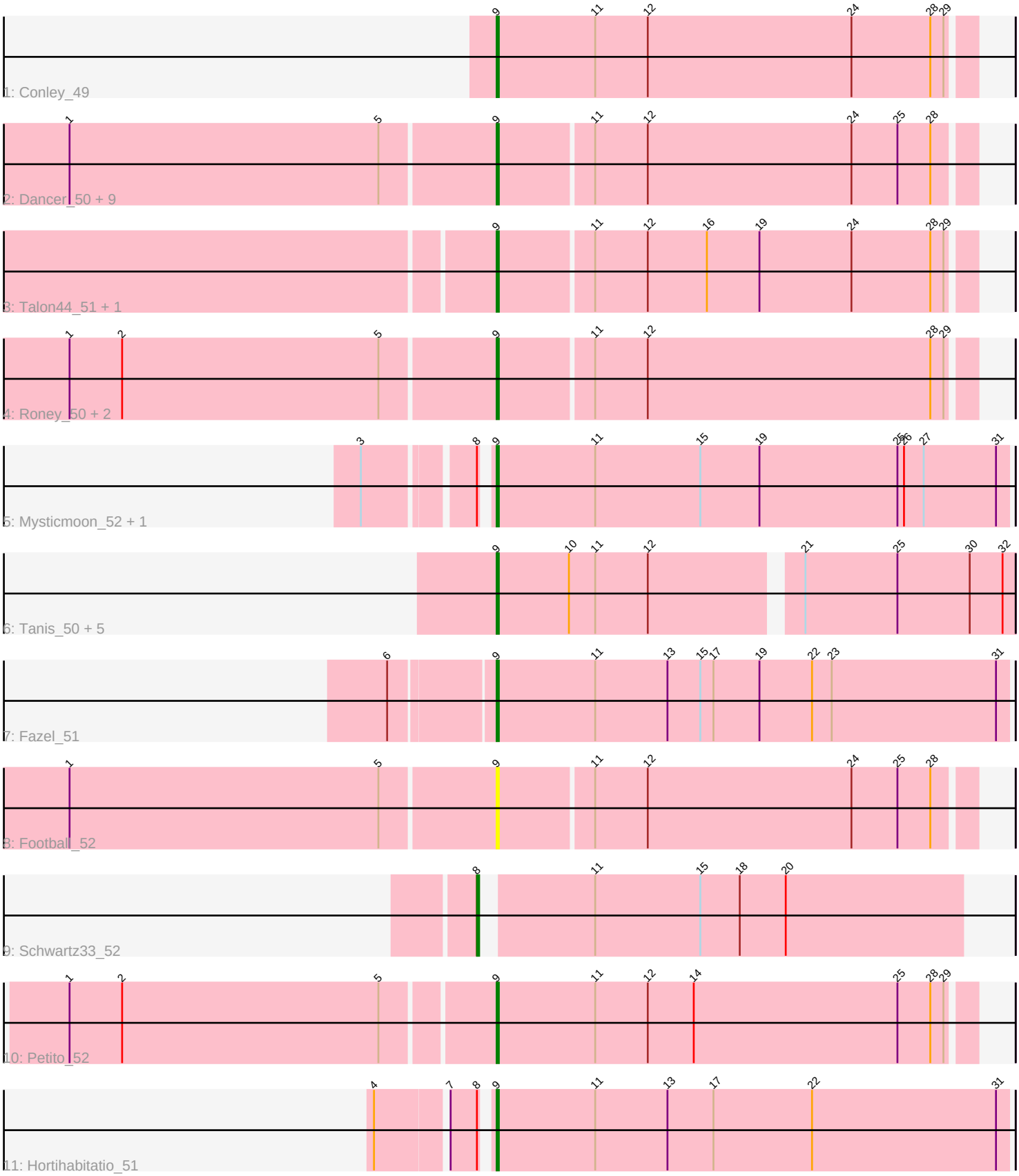
Pham 284069


1: Conley_49
2: Dancer_50 + 9
3: Talon44_51 + 1
4: Roney_50 + 2
5: Mysticmoon_52 + 1
6: Tanis_50 + 5
7: Fazel_51
8: Football_52
9: Schwartz33_52
10: Petito_52
11: Hortihabitatio_51

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 284069 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284069 has 29 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Conley_49
• Track 2 : Dancer_50, Trufflozitus_54, JulesRay_50, Bugg_51, ChickyNuggy_52, Captrips_49, Avazak_51, Artorias_50, Tairn4Wing_52, FortCran_50
• Track 3 : Talon44_51, Perkunas_51
• Track 4 : Roney_50, NoPickles_49, Odesza_49
• Track 5 : Mysticmoon_52, Pherobrine_52
• Track 6 : Tanis_50, Capybara_50, Gravy_49, Gill_50, Magel_51, Kerry_49
• Track 7 : Fazel_51
• Track 8 : Football_52
• Track 9 : Schwartz33_52
• Track 10 : Petito_52
• Track 11 : Hortihabitatio_51

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 22 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artorias_50, Avazak_51, Bugg_51, Captrips_49, Capybara_50, ChickyNuggy_52, Conley_49, Dancer_50, Fazel_51, Football_52, FortCran_50, Gill_50, Gravy_49, Hortihabitatio_51, JulesRay_50, Kerry_49, Magel_51, Mysticmoon_52, NoPickles_49, Odesza_49, Perkunas_51, Petito_52, Pherobrine_52, Roney_50, Tairn4Wing_52, Talon44_51, Tanis_50, Trufflozitus_54,

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

Genes that do not have the "Most Annotated" start:
• Schwartz33_52,

Summary by start number:

Start 8:

• Found in 4 of 29 (13.8%) of genes in pham
• Manual Annotations of this start: 1 of 23
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Schwartz33_52 (DJ),

Start 9:
• Found in 28 of 29 (96.6%) of genes in pham
• Manual Annotations of this start: 22 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artorias_50 (DJ), Avazak_51 (DJ), Bugg_51 (DJ), Captrips_49 (DJ), Capybara_50 (DJ), ChickyNuggy_52 (DJ), Conley_49 (DJ), Dancer_50 (DJ), Fazel_51 (DJ), Football_52 (DJ), FortCran_50 (DJ), Gill_50 (DJ), Gravy_49 (DJ), Hortihabitatio_51 (DJ), JulesRay_50 (DJ), Kerry_49 (DJ), Magel_51 (DJ), Mysticmoon_52 (DJ), NoPickles_49 (DJ), Odesza_49 (DJ), Perkunas_51 (DJ), Petito_52 (DJ), Pherobrine_52 (DJ), Roney_50 (DJ), Tairn4Wing_52 (DJ), Talon44_51 (DJ), Tanis_50 (DJ), Trufflozitus_54 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:
•Start number 8 was manually annotated 1 time for cluster DJ.
•Start number 9 was manually annotated 22 times for cluster DJ.

Gene Information:

Gene: Artorias_50 Start: 35488, Stop: 35700, Start Num: 9
Candidate Starts for Artorias_50:
(1, 35296), (5, 35437), (Start: 9 @35488 has 22 MA's), (11, 35530), (12, 35554), (24, 35647), (25, 35668), (28, 35683),

Gene: Avazak_51 Start: 35833, Stop: 36045, Start Num: 9
Candidate Starts for Avazak_51:
(1, 35641), (5, 35782), (Start: 9 @35833 has 22 MA's), (11, 35875), (12, 35899), (24, 35992), (25, 36013), (28, 36028),

Gene: Bugg_51 Start: 35533, Stop: 35745, Start Num: 9
Candidate Starts for Bugg_51:
(1, 35341), (5, 35482), (Start: 9 @35533 has 22 MA's), (11, 35575), (12, 35599), (24, 35692), (25, 35713), (28, 35728),

Gene: Captrips_49 Start: 34967, Stop: 35179, Start Num: 9
Candidate Starts for Captrips_49:
(1, 34775), (5, 34916), (Start: 9 @34967 has 22 MA's), (11, 35009), (12, 35033), (24, 35126), (25, 35147), (28, 35162),

Gene: Capybara_50 Start: 35368, Stop: 35595, Start Num: 9
Candidate Starts for Capybara_50:
(Start: 9 @35368 has 22 MA's), (10, 35401), (11, 35413), (12, 35437), (21, 35500), (25, 35542), (30, 35575), (32, 35590),

Gene: ChickyNuggy_52 Start: 35592, Stop: 35804, Start Num: 9
Candidate Starts for ChickyNuggy_52:
(1, 35400), (5, 35541), (Start: 9 @35592 has 22 MA's), (11, 35634), (12, 35658), (24, 35751), (25, 35772), (28, 35787),

Gene: Conley_49 Start: 36116, Stop: 36331, Start Num: 9
Candidate Starts for Conley_49:
(Start: 9 @36116 has 22 MA's), (11, 36161), (12, 36185), (24, 36278), (28, 36314), (29, 36320),

Gene: Dancer_50 Start: 35223, Stop: 35435, Start Num: 9
Candidate Starts for Dancer_50:
(1, 35031), (5, 35172), (Start: 9 @35223 has 22 MA's), (11, 35265), (12, 35289), (24, 35382), (25, 35403), (28, 35418),

Gene: Fazel_51 Start: 35770, Stop: 36003, Start Num: 9
Candidate Starts for Fazel_51:
(6, 35725), (Start: 9 @35770 has 22 MA's), (11, 35815), (13, 35848), (15, 35863), (17, 35869), (19, 35890), (22, 35914), (23, 35923), (31, 35998),

Gene: Football_52 Start: 35388, Stop: 35600, Start Num: 9
Candidate Starts for Football_52:
(1, 35196), (5, 35337), (Start: 9 @35388 has 22 MA's), (11, 35430), (12, 35454), (24, 35547), (25, 35568), (28, 35583),

Gene: FortCran_50 Start: 35488, Stop: 35700, Start Num: 9
Candidate Starts for FortCran_50:
(1, 35296), (5, 35437), (Start: 9 @35488 has 22 MA's), (11, 35530), (12, 35554), (24, 35647), (25, 35668), (28, 35683),

Gene: Gill_50 Start: 35385, Stop: 35612, Start Num: 9
Candidate Starts for Gill_50:
(Start: 9 @35385 has 22 MA's), (10, 35418), (11, 35430), (12, 35454), (21, 35517), (25, 35559), (30, 35592), (32, 35607),

Gene: Gravy_49 Start: 35058, Stop: 35285, Start Num: 9
Candidate Starts for Gravy_49:
(Start: 9 @35058 has 22 MA's), (10, 35091), (11, 35103), (12, 35127), (21, 35190), (25, 35232), (30, 35265), (32, 35280),

Gene: Hortihabitatio_51 Start: 35975, Stop: 36208, Start Num: 9
Candidate Starts for Hortihabitatio_51:
(4, 35930), (7, 35960), (Start: 8 @35972 has 1 MA's), (Start: 9 @35975 has 22 MA's), (11, 36020), (13, 36053), (17, 36074), (22, 36119), (31, 36203),

Gene: JulesRay_50 Start: 35517, Stop: 35729, Start Num: 9
Candidate Starts for JulesRay_50:
(1, 35325), (5, 35466), (Start: 9 @35517 has 22 MA's), (11, 35559), (12, 35583), (24, 35676), (25, 35697), (28, 35712),

Gene: Kerry_49 Start: 35058, Stop: 35285, Start Num: 9
Candidate Starts for Kerry_49:

(Start: 9 @35058 has 22 MA's), (10, 35091), (11, 35103), (12, 35127), (21, 35190), (25, 35232), (30, 35265), (32, 35280),

Gene: Magel_51 Start: 35289, Stop: 35516, Start Num: 9
Candidate Starts for Magel_51:
(Start: 9 @35289 has 22 MA's), (10, 35322), (11, 35334), (12, 35358), (21, 35421), (25, 35463), (30, 35496), (32, 35511),

Gene: Mysticmoon_52 Start: 36751, Stop: 36984, Start Num: 9
Candidate Starts for Mysticmoon_52:
(3, 36703), (Start: 8 @36748 has 1 MA's), (Start: 9 @36751 has 22 MA's), (11, 36796), (15, 36844), (19, 36871), (25, 36934), (26, 36937), (27, 36946), (31, 36979),

Gene: NoPickles_49 Start: 34688, Stop: 34900, Start Num: 9
Candidate Starts for NoPickles_49:
(1, 34496), (2, 34520), (5, 34637), (Start: 9 @34688 has 22 MA's), (11, 34730), (12, 34754), (28, 34883), (29, 34889),

Gene: Odesza_49 Start: 35078, Stop: 35290, Start Num: 9
Candidate Starts for Odesza_49:
(1, 34886), (2, 34910), (5, 35027), (Start: 9 @35078 has 22 MA's), (11, 35120), (12, 35144), (28, 35273), (29, 35279),

Gene: Perkunas_51 Start: 35366, Stop: 35578, Start Num: 9
Candidate Starts for Perkunas_51:
(Start: 9 @35366 has 22 MA's), (11, 35408), (12, 35432), (16, 35459), (19, 35483), (24, 35525), (28, 35561), (29, 35567),

Gene: Petito_52 Start: 37176, Stop: 37391, Start Num: 9
Candidate Starts for Petito_52:
(1, 36987), (2, 37011), (5, 37128), (Start: 9 @37176 has 22 MA's), (11, 37221), (12, 37245), (14, 37266), (25, 37359), (28, 37374), (29, 37380),

Gene: Pherobrine_52 Start: 37041, Stop: 37274, Start Num: 9
Candidate Starts for Pherobrine_52:
(3, 36993), (Start: 8 @37038 has 1 MA's), (Start: 9 @37041 has 22 MA's), (11, 37086), (15, 37134), (19, 37161), (25, 37224), (26, 37227), (27, 37236), (31, 37269),

Gene: Roney_50 Start: 35378, Stop: 35590, Start Num: 9
Candidate Starts for Roney_50:
(1, 35186), (2, 35210), (5, 35327), (Start: 9 @35378 has 22 MA's), (11, 35420), (12, 35444), (28, 35573), (29, 35579),

Gene: Schwartz33_52 Start: 36364, Stop: 36576, Start Num: 8
Candidate Starts for Schwartz33_52:
(Start: 8 @36364 has 1 MA's), (11, 36409), (15, 36457), (18, 36475), (20, 36496),

Gene: Tairn4Wing_52 Start: 35335, Stop: 35547, Start Num: 9
Candidate Starts for Tairn4Wing_52:
(1, 35143), (5, 35284), (Start: 9 @35335 has 22 MA's), (11, 35377), (12, 35401), (24, 35494), (25, 35515), (28, 35530),

Gene: Talon44_51 Start: 35381, Stop: 35593, Start Num: 9

Candidate Starts for Talon44_51:
(Start: 9 @35381 has 22 MA's), (11, 35423), (12, 35447), (16, 35474), (19, 35498), (24, 35540), (28, 35576), (29, 35582),

Gene: Tanis_50 Start: 35231, Stop: 35458, Start Num: 9
Candidate Starts for Tanis_50:
(Start: 9 @35231 has 22 MA's), (10, 35264), (11, 35276), (12, 35300), (21, 35363), (25, 35405), (30, 35438), (32, 35453),

Gene: Trufflozitus_54 Start: 35858, Stop: 36070, Start Num: 9
Candidate Starts for Trufflozitus_54:
(1, 35666), (5, 35807), (Start: 9 @35858 has 22 MA's), (11, 35900), (12, 35924), (24, 36017), (25, 36038), (28, 36053),