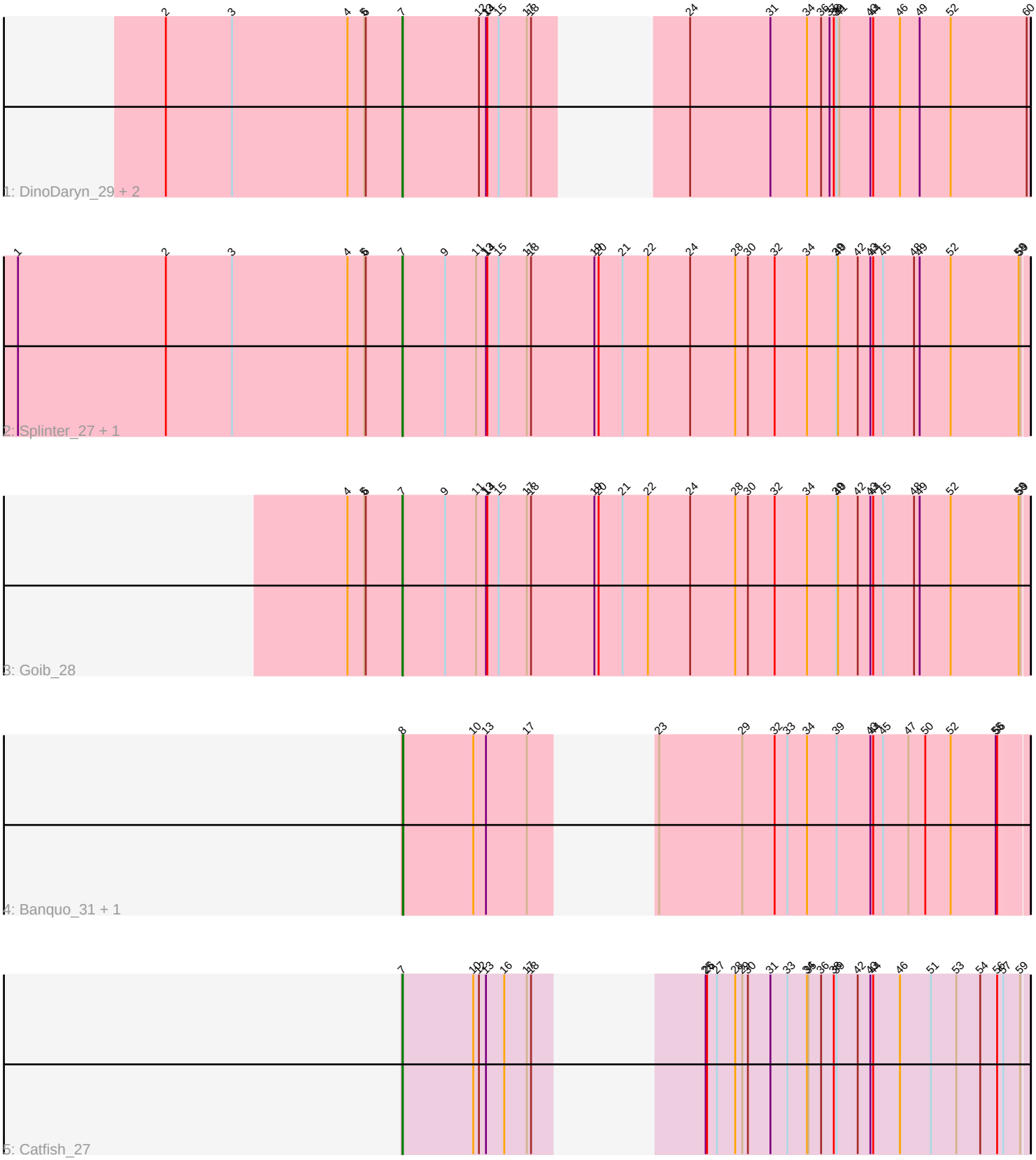
Pham 342852


1: DinoDaryn_29 + 2
2: Splinter_27 + 1
3: Goib_28
4: Banquo_31 + 1
5: Catfish_27

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 342852 Report

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

Pham number 342852 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : DinoDaryn_29, TZGordon_29, Huffy_29
• Track 2 : Splinter_27, Vendetta_27
• Track 3 : Goib_28
• Track 4 : Banquo_31, TinaLin_30
• Track 5 : Catfish_27

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

The start number called the most often in the published annotations is 7, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Catfish_27, DinoDaryn_29, Goib_28, Huffy_29, Splinter_27, TZGordon_29, Vendetta_27,

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

Genes that do not have the "Most Annotated" start:
• Banquo_31, TinaLin_30,

Summary by start number:

Start 7:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Catfish_27 (CU5), DinoDaryn_29 (CU1), Goib_28 (CU1), Huffy_29 (CU1), Splinter_27 (CU1), TZGordon_29 (CU1), Vendetta_27 (CU1),

Start 8:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_31 (CU1), TinaLin_30 (CU1),

Summary by clusters:

There are 2 clusters represented in this pham: CU5, CU1,

Info for manual annotations of cluster CU1:
•Start number 7 was manually annotated 6 times for cluster CU1.
•Start number 8 was manually annotated 2 times for cluster CU1.

Info for manual annotations of cluster CU5:
•Start number 7 was manually annotated 1 time for cluster CU5.

Gene Information:

Gene: Banquo_31 Start: 22005, Stop: 23108, Start Num: 8
Candidate Starts for Banquo_31:
(Start: 8 @22005 has 2 MA's), (10, 22155), (13, 22182), (17, 22269), (23, 22332), (29, 22506), (32, 22575), (33, 22602), (34, 22644), (39, 22707), (43, 22779), (44, 22785), (45, 22806), (47, 22860), (50, 22896), (52, 22950), (55, 23046), (56, 23049),

Gene: Catfish_27 Start: 22670, Stop: 23770, Start Num: 7
Candidate Starts for Catfish_27:
(Start: 7 @22670 has 7 MA's), (10, 22820), (12, 22832), (13, 22847), (16, 22886), (17, 22934), (18, 22943), (25, 23093), (26, 23096), (27, 23117), (28, 23156), (29, 23171), (30, 23183), (31, 23231), (33, 23267), (34, 23309), (35, 23312), (36, 23339), (38, 23366), (39, 23372), (42, 23417), (43, 23444), (44, 23450), (46, 23507), (51, 23573), (53, 23627), (54, 23678), (56, 23714), (57, 23723), (59, 23759),

Gene: DinoDaryn_29 Start: 20868, Stop: 21998, Start Num: 7
Candidate Starts for DinoDaryn_29:
(2, 20364), (3, 20505), (4, 20751), (5, 20787), (6, 20790), (Start: 7 @20868 has 7 MA's), (12, 21030), (13, 21045), (14, 21048), (15, 21072), (17, 21132), (18, 21141), (24, 21273), (31, 21444), (34, 21522), (36, 21552), (37, 21570), (38, 21579), (39, 21585), (41, 21591), (43, 21657), (44, 21663), (46, 21720), (49, 21762), (52, 21828), (60, 21990),

Gene: Goib_28 Start: 20652, Stop: 21974, Start Num: 7
Candidate Starts for Goib_28:
(4, 20535), (5, 20571), (6, 20574), (Start: 7 @20652 has 7 MA's), (9, 20742), (11, 20808), (13, 20829), (14, 20832), (15, 20856), (17, 20916), (18, 20925), (19, 21060), (20, 21069), (21, 21120), (22, 21174), (24, 21264), (28, 21360), (30, 21387), (32, 21444), (34, 21513), (39, 21576), (40, 21579), (42, 21621), (43, 21648), (44, 21654), (45, 21675), (48, 21741), (49, 21753), (52, 21819), (58, 21960), (59, 21963),

Gene: Huffy_29 Start: 20868, Stop: 21998, Start Num: 7
Candidate Starts for Huffy_29:
(2, 20364), (3, 20505), (4, 20751), (5, 20787), (6, 20790), (Start: 7 @20868 has 7 MA's), (12, 21030), (13, 21045), (14, 21048), (15, 21072), (17, 21132), (18, 21141), (24, 21273), (31, 21444), (34, 21522), (36, 21552), (37, 21570), (38, 21579), (39, 21585), (41, 21591), (43, 21657), (44, 21663), (46, 21720), (49, 21762), (52, 21828), (60, 21990),

Gene: Splinter_27 Start: 20652, Stop: 21974, Start Num: 7

Candidate Starts for Splinter_27:
(1, 19833), (2, 20148), (3, 20289), (4, 20535), (5, 20571), (6, 20574), (Start: 7 @20652 has 7 MA's), (9, 20742), (11, 20808), (13, 20829), (14, 20832), (15, 20856), (17, 20916), (18, 20925), (19, 21060), (20, 21069), (21, 21120), (22, 21174), (24, 21264), (28, 21360), (30, 21387), (32, 21444), (34, 21513), (39, 21576), (40, 21579), (42, 21621), (43, 21648), (44, 21654), (45, 21675), (48, 21741), (49, 21753), (52, 21819), (58, 21960), (59, 21963),

Gene: TZGordon_29 Start: 20791, Stop: 21921, Start Num: 7
Candidate Starts for TZGordon_29:
(2, 20287), (3, 20428), (4, 20674), (5, 20710), (6, 20713), (Start: 7 @20791 has 7 MA's), (12, 20953), (13, 20968), (14, 20971), (15, 20995), (17, 21055), (18, 21064), (24, 21196), (31, 21367), (34, 21445), (36, 21475), (37, 21493), (38, 21502), (39, 21508), (41, 21514), (43, 21580), (44, 21586), (46, 21643), (49, 21685), (52, 21751), (60, 21913),

Gene: TinaLin_30 Start: 21629, Stop: 22732, Start Num: 8
Candidate Starts for TinaLin_30:
(Start: 8 @21629 has 2 MA's), (10, 21779), (13, 21806), (17, 21893), (23, 21956), (29, 22130), (32, 22199), (33, 22226), (34, 22268), (39, 22331), (43, 22403), (44, 22409), (45, 22430), (47, 22484), (50, 22520), (52, 22574), (55, 22670), (56, 22673),

Gene: Vendetta_27 Start: 20652, Stop: 21974, Start Num: 7
Candidate Starts for Vendetta_27:
(1, 19833), (2, 20148), (3, 20289), (4, 20535), (5, 20571), (6, 20574), (Start: 7 @20652 has 7 MA's), (9, 20742), (11, 20808), (13, 20829), (14, 20832), (15, 20856), (17, 20916), (18, 20925), (19, 21060), (20, 21069), (21, 21120), (22, 21174), (24, 21264), (28, 21360), (30, 21387), (32, 21444), (34, 21513), (39, 21576), (40, 21579), (42, 21621), (43, 21648), (44, 21654), (45, 21675), (48, 21741), (49, 21753), (52, 21819), (58, 21960), (59, 21963),