Pham 346384


1: BlueNGold_108 + 3
2: GMA2_36
3: Sixama_107
4: Aleemily_27 + 3
5: Morgana_28

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 346384 Report

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

Pham number 346384 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BlueNGold_108, Boopy_109, Forza_109, Mareelih_107
• Track 2 : GMA2_36
• Track 3 : Sixama_107
• Track 4 : Aleemily_27, ModicumRichard_28, Cafasso_28, ObLaDi_28
• Track 5 : Morgana_28

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

Genes that call this "Most Annotated" start:
• Aleemily_27, BlueNGold_108, Boopy_109, Cafasso_28, Forza_109, GMA2_36, Mareelih_107, ModicumRichard_28, Morgana_28, ObLaDi_28, Sixama_107,

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

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

Summary by start number:

Start 5:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_27 (DZ), BlueNGold_108 (DS), Boopy_109 (DS), Cafasso_28 (DZ), Forza_109 (DS), GMA2_36 (DS), Mareelih_107 (DS), ModicumRichard_28 (DZ), Morgana_28 (DZ), ObLaDi_28 (DZ), Sixama_107 (DS),

Summary by clusters:

There are 2 clusters represented in this pham: DZ, DS,

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

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

Gene Information:

Gene: Aleemily_27 Start: 24763, Stop: 25470, Start Num: 5
Candidate Starts for Aleemily_27:
(4, 24622), (Start: 5 @24763 has 10 MA's), (6, 24820), (8, 24904), (9, 24937), (12, 24967), (14, 25000), (20, 25087), (22, 25102), (24, 25183), (25, 25195), (31, 25411), (32, 25447),

Gene: BlueNGold_108 Start: 67432, Stop: 68142, Start Num: 5
Candidate Starts for BlueNGold_108:
(Start: 5 @67432 has 10 MA's), (6, 67486), (8, 67570), (12, 67633), (17, 67735), (19, 67744), (23, 67840), (24, 67855), (26, 67921), (27, 67936), (28, 67981), (31, 68083),

Gene: Boopy_109 Start: 67444, Stop: 68154, Start Num: 5
Candidate Starts for Boopy_109:
(Start: 5 @67444 has 10 MA's), (6, 67498), (8, 67582), (12, 67645), (17, 67747), (19, 67756), (23, 67852), (24, 67867), (26, 67933), (27, 67948), (28, 67993), (31, 68095),

Gene: Cafasso_28 Start: 25337, Stop: 26044, Start Num: 5
Candidate Starts for Cafasso_28:
(4, 25196), (Start: 5 @25337 has 10 MA's), (6, 25394), (8, 25478), (9, 25511), (12, 25541), (14, 25574), (20, 25661), (22, 25676), (24, 25757), (25, 25769), (31, 25985), (32, 26021),

Gene: Forza_109 Start: 67360, Stop: 68070, Start Num: 5
Candidate Starts for Forza_109:
(Start: 5 @67360 has 10 MA's), (6, 67414), (8, 67498), (12, 67561), (17, 67663), (19, 67672), (23, 67768), (24, 67783), (26, 67849), (27, 67864), (28, 67909), (31, 68011),

Gene: GMA2_36 Start: 40019, Stop: 40747, Start Num: 5
Candidate Starts for GMA2_36:
(Start: 5 @40019 has 10 MA's), (6, 40076), (8, 40160), (10, 40196), (12, 40223), (16, 40322), (21, 40361), (24, 40454), (27, 40535), (29, 40661),

Gene: Mareelih_107 Start: 66862, Stop: 67572, Start Num: 5
Candidate Starts for Mareelih_107:
(Start: 5 @66862 has 10 MA's), (6, 66916), (8, 67000), (12, 67063), (17, 67165), (19, 67174), (23, 67270), (24, 67285), (26, 67351), (27, 67366), (28, 67411), (31, 67513),

Gene: ModicumRichard_28 Start: 25336, Stop: 26043, Start Num: 5
Candidate Starts for ModicumRichard_28:
(4, 25195), (Start: 5 @25336 has 10 MA's), (6, 25393), (8, 25477), (9, 25510), (12, 25540), (14, 25573), (20, 25660), (22, 25675), (24, 25756), (25, 25768), (31, 25984), (32, 26020),

Gene: Morgana_28 Start: 25094, Stop: 25801, Start Num: 5

Candidate Starts for Morgana_28:
(1, 24554), (2, 24740), (3, 24806), (4, 24950), (Start: 5 @25094 has 10 MA's), (6, 25151), (8, 25235), (9, 25268), (11, 25295), (12, 25298), (13, 25301), (14, 25331), (24, 25514), (25, 25526), (30, 25733), (31, 25742), (32, 25778),

Gene: ObLaDi_28 Start: 25315, Stop: 26022, Start Num: 5
Candidate Starts for ObLaDi_28:
(4, 25174), (Start: 5 @25315 has 10 MA's), (6, 25372), (8, 25456), (9, 25489), (12, 25519), (14, 25552), (20, 25639), (22, 25654), (24, 25735), (25, 25747), (31, 25963), (32, 25999),

Gene: Sixama_107 Start: 66869, Stop: 67594, Start Num: 5
Candidate Starts for Sixama_107:
(Start: 5 @66869 has 10 MA's), (6, 66923), (7, 66998), (8, 67007), (12, 67070), (13, 67073), (15, 67163), (18, 67184), (23, 67292), (24, 67307), (28, 67433), (31, 67535),