Pham 348151


1: RockScotty_5 + 8
2: Anatole_24 + 1
3: B3_24
4: G4_24
5: Schubert_24
6: Root_15

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 348151 Report

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

Pham number 348151 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : RockScotty_5, Giorgio_5, Ashes_5, Mysterium_5, Moss_5, Beaupre_5, Gumpizza_5, Stuu_5, Halsey_5
• Track 2 : Anatole_24, E1_24
• Track 3 : B3_24
• Track 4 : G4_24
• Track 5 : Schubert_24
• Track 6 : Root_15

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ashes_5, Beaupre_5, Giorgio_5, Gumpizza_5, Halsey_5, Moss_5, Mysterium_5, RockScotty_5, Root_15, Schubert_24, Stuu_5,

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

Genes that do not have the "Most Annotated" start:
• Anatole_24, B3_24, E1_24, G4_24,

Summary by start number:

Start 3:
• Found in 11 of 15 (73.3%) of genes in pham
• Manual Annotations of this start: 11 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ashes_5 (AZ5), Beaupre_5 (AZ5), Giorgio_5 (AZ5), Gumpizza_5 (AZ5), Halsey_5 (AZ5), Moss_5 (AZ5), Mysterium_5 (AZ5), RockScotty_5 (AZ5), Root_15 (JC), Schubert_24 (EA8), Stuu_5 (AZ5),

Start 6:

• Found in 4 of 15 (26.7%) of genes in pham
• Manual Annotations of this start: 4 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anatole_24 (BV), B3_24 (BV), E1_24 (BV), G4_24 (BW),

Summary by clusters:

There are 5 clusters represented in this pham: EA8, BV, BW, AZ5, JC,

Info for manual annotations of cluster AZ5:
•Start number 3 was manually annotated 9 times for cluster AZ5.

Info for manual annotations of cluster BV:
•Start number 6 was manually annotated 3 times for cluster BV.

Info for manual annotations of cluster BW:
•Start number 6 was manually annotated 1 time for cluster BW.

Info for manual annotations of cluster EA8:
•Start number 3 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster JC:
•Start number 3 was manually annotated 1 time for cluster JC.

Gene Information:

Gene: Anatole_24 Start: 19118, Stop: 19972, Start Num: 6
Candidate Starts for Anatole_24:
(1, 19004), (2, 19076), (Start: 6 @19118 has 4 MA's), (7, 19145), (9, 19157), (10, 19163), (16, 19208), (18, 19256), (22, 19292), (24, 19421), (26, 19457), (29, 19502), (34, 19583), (37, 19673), (42, 19823), (44, 19874), (48, 19952),

Gene: Ashes_5 Start: 4695, Stop: 5714, Start Num: 3
Candidate Starts for Ashes_5:
(Start: 3 @4695 has 11 MA's), (15, 4821), (16, 4824), (17, 4860), (19, 4890), (32, 5166), (33, 5184), (45, 5511), (46, 5520),

Gene: B3_24 Start: 19121, Stop: 19966, Start Num: 6
Candidate Starts for B3_24:
(1, 19007), (2, 19079), (Start: 6 @19121 has 4 MA's), (7, 19148), (9, 19160), (10, 19166), (16, 19211), (18, 19259), (22, 19295), (24, 19424), (26, 19460), (29, 19505), (34, 19586), (36, 19622), (38, 19715), (42, 19817), (48, 19946),

Gene: Beaupre_5 Start: 4695, Stop: 5714, Start Num: 3
Candidate Starts for Beaupre_5:
(Start: 3 @4695 has 11 MA's), (15, 4821), (16, 4824), (17, 4860), (19, 4890), (32, 5166), (33, 5184), (45, 5511), (46, 5520),

Gene: E1_24 Start: 19118, Stop: 19972, Start Num: 6
Candidate Starts for E1_24:

(1, 19004), (2, 19076), (Start: 6 @19118 has 4 MA's), (7, 19145), (9, 19157), (10, 19163), (16, 19208), (18, 19256), (22, 19292), (24, 19421), (26, 19457), (29, 19502), (34, 19583), (37, 19673), (42, 19823), (44, 19874), (48, 19952),

Gene: G4_24 Start: 18495, Stop: 19298, Start Num: 6
Candidate Starts for G4_24:
(Start: 6 @18495 has 4 MA's), (12, 18573), (14, 18576), (20, 18651), (27, 18822), (28, 18825), (42, 19152), (48, 19281),

Gene: Giorgio_5 Start: 4696, Stop: 5715, Start Num: 3
Candidate Starts for Giorgio_5:
(Start: 3 @4696 has 11 MA's), (15, 4822), (16, 4825), (17, 4861), (19, 4891), (32, 5167), (33, 5185), (45, 5512), (46, 5521),

Gene: Gumpizza_5 Start: 4695, Stop: 5714, Start Num: 3
Candidate Starts for Gumpizza_5:
(Start: 3 @4695 has 11 MA's), (15, 4821), (16, 4824), (17, 4860), (19, 4890), (32, 5166), (33, 5184), (45, 5511), (46, 5520),

Gene: Halsey_5 Start: 4695, Stop: 5714, Start Num: 3
Candidate Starts for Halsey_5:
(Start: 3 @4695 has 11 MA's), (15, 4821), (16, 4824), (17, 4860), (19, 4890), (32, 5166), (33, 5184), (45, 5511), (46, 5520),

Gene: Moss_5 Start: 4695, Stop: 5714, Start Num: 3
Candidate Starts for Moss_5:
(Start: 3 @4695 has 11 MA's), (15, 4821), (16, 4824), (17, 4860), (19, 4890), (32, 5166), (33, 5184), (45, 5511), (46, 5520),

Gene: Mysterium_5 Start: 4695, Stop: 5714, Start Num: 3
Candidate Starts for Mysterium_5:
(Start: 3 @4695 has 11 MA's), (15, 4821), (16, 4824), (17, 4860), (19, 4890), (32, 5166), (33, 5184), (45, 5511), (46, 5520),

Gene: RockScotty_5 Start: 4695, Stop: 5714, Start Num: 3
Candidate Starts for RockScotty_5:
(Start: 3 @4695 has 11 MA's), (15, 4821), (16, 4824), (17, 4860), (19, 4890), (32, 5166), (33, 5184), (45, 5511), (46, 5520),

Gene: Root_15 Start: 11157, Stop: 12008, Start Num: 3
Candidate Starts for Root_15:
(Start: 3 @11157 has 11 MA's), (8, 11232), (9, 11235), (11, 11265), (13, 11274), (15, 11283), (16, 11286), (25, 11508), (41, 11853), (43, 11880), (47, 11949),

Gene: Schubert_24 Start: 18827, Stop: 19690, Start Num: 3
Candidate Starts for Schubert_24:
(Start: 3 @18827 has 11 MA's), (4, 18857), (5, 18860), (15, 18959), (21, 19028), (23, 19097), (30, 19271), (31, 19274), (35, 19346), (39, 19511), (40, 19526), (43, 19562),

Gene: Stuu_5 Start: 4695, Stop: 5714, Start Num: 3
Candidate Starts for Stuu_5:
(Start: 3 @4695 has 11 MA's), (15, 4821), (16, 4824), (17, 4860), (19, 4890), (32, 5166), (33, 5184), (45, 5511), (46, 5520),