Pham 87873

1: Skog_32
2: CherryTomatoes_209 + 1
3: SCentae_201
4: Fresco_79 + 3
5: CharlottesWeb_75
6: Mariokart_75

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 87873 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87873 has 10 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Skog_32
• Track 2 : CherryTomatoes_209, Pupper_202
• Track 3 : SCentae_201
• Track 4 : Fresco_79, Axumite_79, Ligma_79, Shatter_79
• Track 5 : CharlottesWeb_75
• Track 6 : Mariokart_75

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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryTomatoes_209, Pupper_202, SCentae_201, Skog_32,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Axumite_79, CharlottesWeb_75, Fresco_79, Ligma_79, Mariokart_75, Shatter_79,

Summary by start number:

Start 9:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_209 (DO), Pupper_202 (DO), SCentae_201 (DO), Skog_32 (DO),

Start 10:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 83.3% of time when present

• Phage (with cluster) where this start called: Axumite_79 (DR), CharlottesWeb_75 (DR), Fresco_79 (DR), Ligma_79 (DR), Shatter_79 (DR),

Start 11:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Mariokart_75 (DR),

Summary by clusters:

There are 2 clusters represented in this pham: DO, DR,

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

Info for manual annotations of cluster DR:
•Start number 10 was manually annotated 2 times for cluster DR.
•Start number 11 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: Axumite_79 Start: 58237, Stop: 57722, Start Num: 10
Candidate Starts for Axumite_79:
(1, 59401), (2, 59395), (3, 59359), (4, 58483), (Start: 10 @58237 has 2 MA's), (Start: 11 @58219 has 1 MA's), (16, 57946), (19, 57892), (20, 57886), (21, 57868), (24, 57811), (26, 57802),

Gene: CharlottesWeb_75 Start: 56845, Stop: 56345, Start Num: 10
Candidate Starts for CharlottesWeb_75:
(6, 56884), (Start: 10 @56845 has 2 MA's), (Start: 11 @56827 has 1 MA's), (16, 56572), (17, 56542), (18, 56539), (21, 56494), (22, 56470), (24, 56437), (26, 56428), (28, 56353),

Gene: CherryTomatoes_209 Start: 139363, Stop: 139863, Start Num: 9
Candidate Starts for CherryTomatoes_209:
(Start: 9 @139363 has 3 MA's), (Start: 11 @139384 has 1 MA's), (14, 139591), (21, 139723), (23, 139762), (24, 139780), (27, 139801),

Gene: Fresco_79 Start: 58243, Stop: 57728, Start Num: 10
Candidate Starts for Fresco_79:
(1, 59407), (2, 59401), (3, 59365), (4, 58489), (Start: 10 @58243 has 2 MA's), (Start: 11 @58225 has 1 MA's), (16, 57952), (19, 57898), (20, 57892), (21, 57874), (24, 57817), (26, 57808),

Gene: Ligma_79 Start: 58237, Stop: 57722, Start Num: 10
Candidate Starts for Ligma_79:
(1, 59401), (2, 59395), (3, 59359), (4, 58483), (Start: 10 @58237 has 2 MA's), (Start: 11 @58219 has 1 MA's), (16, 57946), (19, 57892), (20, 57886), (21, 57868), (24, 57811), (26, 57802),

Gene: Mariokart_75 Start: 57067, Stop: 56636, Start Num: 11
Candidate Starts for Mariokart_75:
(Start: 10 @57085 has 2 MA's), (Start: 11 @57067 has 1 MA's), (13, 56941), (15, 56899), (16, 56857), (17, 56827), (18, 56824), (21, 56779), (22, 56755), (24, 56722), (26, 56713),

Gene: Pupper_202 Start: 139225, Stop: 139725, Start Num: 9
Candidate Starts for Pupper_202:
(Start: 9 @139225 has 3 MA's), (Start: 11 @139246 has 1 MA's), (14, 139453), (21, 139585), (23, 139624), (24, 139642), (27, 139663),

Gene: SCentae_201 Start: 139416, Stop: 139916, Start Num: 9
Candidate Starts for SCentae_201:
(5, 139242), (Start: 9 @139416 has 3 MA's), (Start: 11 @139437 has 1 MA's), (14, 139644), (21, 139776), (23, 139815), (24, 139833), (27, 139854),

Gene: Shatter_79 Start: 58237, Stop: 57722, Start Num: 10
Candidate Starts for Shatter_79:
(1, 59401), (2, 59395), (3, 59359), (4, 58483), (Start: 10 @58237 has 2 MA's), (Start: 11 @58219 has 1 MA's), (16, 57946), (19, 57892), (20, 57886), (21, 57868), (24, 57811), (26, 57802),

Gene: Skog_32 Start: 15028, Stop: 15528, Start Num: 9
Candidate Starts for Skog_32:
(7, 15022), (8, 15025), (Start: 9 @15028 has 3 MA's), (Start: 11 @15049 has 1 MA's), (12, 15109), (14, 15256), (21, 15388), (23, 15427), (24, 15445), (25, 15451), (27, 15466),