Pham 8847

1: Picard_41
2: SV1_38
3: Mojorita_41
4: SoJo_39
5: ToastyFinz_38
6: Eklok_41

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 8847 Report

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

Pham number 8847 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Picard_41
• Track 2 : SV1_38
• Track 3 : Mojorita_41
• Track 4 : SoJo_39
• Track 5 : ToastyFinz_38
• Track 6 : Eklok_41

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

The start number called the most often in the published annotations is 13, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Eklok_41, Mojorita_41, Picard_41, SV1_38, ToastyFinz_38,

Genes that have the "Most Annotated" start but do not call it:
• SoJo_39,

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

Summary by start number:

Start 11:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SoJo_39 (BC1),

Start 13:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 83.3% of time when present

• Phage (with cluster) where this start called: Eklok_41 (BP), Mojorita_41 (BC1), Picard_41 (BC1), SV1_38 (BC1), ToastyFinz_38 (BC1),

Summary by clusters:

There are 2 clusters represented in this pham: BP, BC1,

Info for manual annotations of cluster BC1:
•Start number 11 was manually annotated 1 time for cluster BC1.
•Start number 13 was manually annotated 4 times for cluster BC1.

Info for manual annotations of cluster BP:
•Start number 13 was manually annotated 1 time for cluster BP.

Gene Information:

Gene: Eklok_41 Start: 28179, Stop: 29036, Start Num: 13
Candidate Starts for Eklok_41:
(1, 27558), (Start: 13 @28179 has 5 MA's), (17, 28245), (18, 28293), (19, 28308), (20, 28311), (22, 28596), (24, 28662), (25, 28674), (26, 28677), (31, 28827),

Gene: Mojorita_41 Start: 28251, Stop: 29156, Start Num: 13
Candidate Starts for Mojorita_41:
(6, 28080), (7, 28095), (8, 28164), (9, 28167), (12, 28218), (Start: 13 @28251 has 5 MA's), (15, 28275), (16, 28311), (17, 28317), (18, 28365), (20, 28383), (23, 28698), (24, 28740), (27, 28782), (30, 28887), (31, 28908),

Gene: Picard_41 Start: 28449, Stop: 29354, Start Num: 13
Candidate Starts for Picard_41:
(6, 28278), (7, 28293), (8, 28362), (9, 28365), (12, 28416), (Start: 13 @28449 has 5 MA's), (15, 28473), (16, 28509), (17, 28515), (18, 28563), (20, 28581), (23, 28896), (24, 28938), (30, 29085), (31, 29106), (33, 29223),

Gene: SV1_38 Start: 27169, Stop: 28065, Start Num: 13
Candidate Starts for SV1_38:
(8, 27070), (9, 27073), (10, 27082), (12, 27124), (Start: 13 @27169 has 5 MA's), (15, 27193), (16, 27229), (17, 27235), (18, 27283), (20, 27301), (24, 27658), (27, 27697), (30, 27802), (31, 27823),

Gene: SoJo_39 Start: 28984, Stop: 29955, Start Num: 11
Candidate Starts for SoJo_39:
(2, 28693), (3, 28756), (4, 28759), (5, 28873), (7, 28894), (Start: 11 @28984 has 1 MA's), (Start: 13 @29059 has 5 MA's), (14, 29074), (15, 29083), (18, 29173), (20, 29191), (21, 29455), (23, 29497), (24, 29539), (25, 29551), (27, 29578), (28, 29602), (29, 29671), (31, 29704), (35, 29938),

Gene: ToastyFinz_38 Start: 29846, Stop: 30748, Start Num: 13
Candidate Starts for ToastyFinz_38:
(Start: 13 @29846 has 5 MA's), (14, 29861), (15, 29870), (18, 29960), (20, 29978), (24, 30335), (27, 30377), (30, 30482), (31, 30503), (32, 30521), (34, 30653), (35, 30731),