Pham 9457

1: Molivia_22
2: Bloom_191
3: Talia1610_190
4: Patbob_187
5: Mimi_193
6: Racecar_188
7: DunneganBoMo_185
8: SJReid_191
9: Wollypog_88

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 9457 Report

This analysis was run 07/09/24 on database version 566.

Pham number 9457 has 9 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Molivia_22
• Track 2 : Bloom_191
• Track 3 : Talia1610_190
• Track 4 : Patbob_187
• Track 5 : Mimi_193
• Track 6 : Racecar_188
• Track 7 : DunneganBoMo_185
• Track 8 : SJReid_191
• Track 9 : Wollypog_88

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_191, DunneganBoMo_185, Mimi_193, Molivia_22, Racecar_188, SJReid_191, Talia1610_190, Wollypog_88,

Genes that have the "Most Annotated" start but do not call it:
• Patbob_187,

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

Summary by start number:

Start 1:
• Found in 5 of 9 (55.6%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Patbob_187 (FC),

Start 2:

• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Bloom_191 (FC), DunneganBoMo_185 (FC), Mimi_193 (FC), Molivia_22 (AQ), Racecar_188 (FC), SJReid_191 (FC), Talia1610_190 (FC), Wollypog_88 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: AQ, singleton, FC,

Info for manual annotations of cluster AQ:
•Start number 2 was manually annotated 1 time for cluster AQ.

Info for manual annotations of cluster FC:
•Start number 2 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Bloom_191 Start: 124857, Stop: 125639, Start Num: 2
Candidate Starts for Bloom_191:
(1, 124845), (Start: 2 @124857 has 3 MA's), (6, 124959), (7, 124995), (9, 125013), (19, 125166), (36, 125586), (37, 125613),

Gene: DunneganBoMo_185 Start: 124459, Stop: 125241, Start Num: 2
Candidate Starts for DunneganBoMo_185:
(Start: 2 @124459 has 3 MA's), (6, 124561), (7, 124597), (15, 124705), (17, 124759), (30, 124960), (33, 125017), (34, 125119),

Gene: Mimi_193 Start: 124572, Stop: 125354, Start Num: 2
Candidate Starts for Mimi_193:
(1, 124560), (Start: 2 @124572 has 3 MA's), (6, 124674), (7, 124710), (19, 124881), (20, 124902), (29, 125070), (36, 125301), (37, 125328),

Gene: Molivia_22 Start: 5618, Stop: 6418, Start Num: 2
Candidate Starts for Molivia_22:
(Start: 2 @5618 has 3 MA's), (3, 5627), (8, 5771), (11, 5801), (13, 5840), (14, 5861), (21, 5963), (22, 5990), (24, 6017), (25, 6026), (26, 6038), (27, 6056), (28, 6089), (31, 6149), (32, 6173), (34, 6296), (36, 6365),

Gene: Patbob_187 Start: 125670, Stop: 126464, Start Num: 1
Candidate Starts for Patbob_187:
(1, 125670), (Start: 2 @125682 has 3 MA's), (6, 125784), (7, 125820), (19, 125991), (36, 126411), (37, 126438),

Gene: Racecar_188 Start: 125450, Stop: 126232, Start Num: 2
Candidate Starts for Racecar_188:
(1, 125438), (Start: 2 @125450 has 3 MA's), (6, 125552), (7, 125588), (18, 125753), (19, 125759), (29, 125948), (36, 126179), (37, 126206),

Gene: SJReid_191 Start: 115457, Stop: 116239, Start Num: 2

Candidate Starts for SJReid_191:
(Start: 2 @115457 has 3 MA's), (4, 115475), (6, 115559), (7, 115595), (15, 115703), (16, 115727), (36, 116186),

Gene: Talia1610_190 Start: 124867, Stop: 125649, Start Num: 2
Candidate Starts for Talia1610_190:
(1, 124855), (Start: 2 @124867 has 3 MA's), (6, 124969), (7, 125005), (19, 125176), (36, 125596), (37, 125623),

Gene: Wollypog_88 Start: 58831, Stop: 59634, Start Num: 2
Candidate Starts for Wollypog_88:
(Start: 2 @58831 has 3 MA's), (5, 58882), (10, 59005), (12, 59038), (23, 59236), (27, 59278), (28, 59311), (31, 59368), (35, 59569),