Pham 281140

1: Sham_259
2: Limpid_269 + 1
3: Stigma_265
4: DeluluLabubu_269 + 1
5: Maupel_272 + 1
6: Faust_272
7: SeresaTree_277

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 281140 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281140 has 10 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Sham_259
• Track 2 : Limpid_269, Annadreamy_263
• Track 3 : Stigma_265
• Track 4 : DeluluLabubu_269, Jada_266
• Track 5 : Maupel_272, Gilson_266
• Track 6 : Faust_272
• Track 7 : SeresaTree_277

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

The start number called the most often in the published annotations is 10, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_263, DeluluLabubu_269, Jada_266, Limpid_269,

Genes that have the "Most Annotated" start but do not call it:
• Gilson_266, Maupel_272, Stigma_265,

Genes that do not have the "Most Annotated" start:
• Faust_272, SeresaTree_277, Sham_259,

Summary by start number:

Start 7:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Sham_259 (BK1),

Start 10:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 57.1% of time when present

• Phage (with cluster) where this start called: Annadreamy_263 (BK1), DeluluLabubu_269 (BK1), Jada_266 (BK1), Limpid_269 (BK1),

Start 11:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SeresaTree_277 (BK1),

Start 14:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Gilson_266 (BK1), Maupel_272 (BK1), Stigma_265 (BK1),

Start 16:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Faust_272 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 7 was manually annotated 1 time for cluster BK1.
•Start number 10 was manually annotated 3 times for cluster BK1.
•Start number 14 was manually annotated 2 times for cluster BK1.
•Start number 16 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Annadreamy_263 Start: 124490, Stop: 124852, Start Num: 10
Candidate Starts for Annadreamy_263:
(1, 124253), (2, 124283), (3, 124289), (4, 124337), (Start: 7 @124397 has 1 MA's), (Start: 10 @124490 has 3 MA's), (18, 124604), (22, 124643), (23, 124649), (27, 124724), (31, 124766), (32, 124772), (35, 124811), (36, 124817), (37, 124820),

Gene: DeluluLabubu_269 Start: 127454, Stop: 127777, Start Num: 10
Candidate Starts for DeluluLabubu_269:
(4, 127301), (6, 127334), (Start: 7 @127361 has 1 MA's), (8, 127439), (9, 127448), (Start: 10 @127454 has 3 MA's), (13, 127487), (Start: 14 @127505 has 2 MA's), (Start: 16 @127532 has 1 MA's), (20, 127577), (31, 127688), (37, 127745),

Gene: Faust_272 Start: 129519, Stop: 129806, Start Num: 16
Candidate Starts for Faust_272:
(1, 129204), (3, 129240), (4, 129288), (Start: 7 @129348 has 1 MA's), (12, 129465), (Start: 14 @129492 has 2 MA's), (Start: 16 @129519 has 1 MA's), (20, 129567), (24, 129606), (25, 129609), (26, 129621), (29, 129693), (33, 129717), (38, 129774), (39, 129798),

Gene: Gilson_266 Start: 127236, Stop: 127508, Start Num: 14
Candidate Starts for Gilson_266:
(4, 127032), (6, 127065), (Start: 7 @127092 has 1 MA's), (8, 127170), (9, 127179), (Start: 10 @127185 has 3 MA's), (13, 127218), (Start: 14 @127236 has 2 MA's), (Start: 16 @127263 has 1 MA's), (20, 127308), (28, 127401), (37, 127476),

Gene: Jada_266 Start: 126600, Stop: 126923, Start Num: 10
Candidate Starts for Jada_266:
(4, 126447), (6, 126480), (Start: 7 @126507 has 1 MA's), (8, 126585), (9, 126594), (Start: 10 @126600 has 3 MA's), (13, 126633), (Start: 14 @126651 has 2 MA's), (Start: 16 @126678 has 1 MA's), (20, 126723), (31, 126834), (37, 126891),

Gene: Limpid_269 Start: 129803, Stop: 130165, Start Num: 10
Candidate Starts for Limpid_269:
(1, 129566), (2, 129596), (3, 129602), (4, 129650), (Start: 7 @129710 has 1 MA's), (Start: 10 @129803 has 3 MA's), (18, 129917), (22, 129956), (23, 129962), (27, 130037), (31, 130079), (32, 130085), (35, 130124), (36, 130130), (37, 130133),

Gene: Maupel_272 Start: 126429, Stop: 126701, Start Num: 14
Candidate Starts for Maupel_272:
(4, 126225), (6, 126258), (Start: 7 @126285 has 1 MA's), (8, 126363), (9, 126372), (Start: 10 @126378 has 3 MA's), (13, 126411), (Start: 14 @126429 has 2 MA's), (Start: 16 @126456 has 1 MA's), (20, 126501), (28, 126594), (37, 126669),

Gene: SeresaTree_277 Start: 129668, Stop: 130027, Start Num: 11
Candidate Starts for SeresaTree_277:
(1, 129425), (3, 129461), (4, 129509), (Start: 7 @129569 has 1 MA's), (9, 129656), (11, 129668), (Start: 16 @129740 has 1 MA's), (20, 129788), (24, 129827), (25, 129830), (26, 129842), (29, 129914), (33, 129938), (38, 129995), (39, 130019),

Gene: Sham_259 Start: 129037, Stop: 129456, Start Num: 7
Candidate Starts for Sham_259:
(5, 129001), (Start: 7 @129037 has 1 MA's), (15, 129196), (17, 129223), (19, 129244), (21, 129256), (28, 129349), (31, 129367),

Gene: Stigma_265 Start: 128392, Stop: 128655, Start Num: 14
Candidate Starts for Stigma_265:
(Start: 7 @128248 has 1 MA's), (Start: 10 @128341 has 3 MA's), (Start: 14 @128392 has 2 MA's), (20, 128464), (30, 128569), (34, 128593),