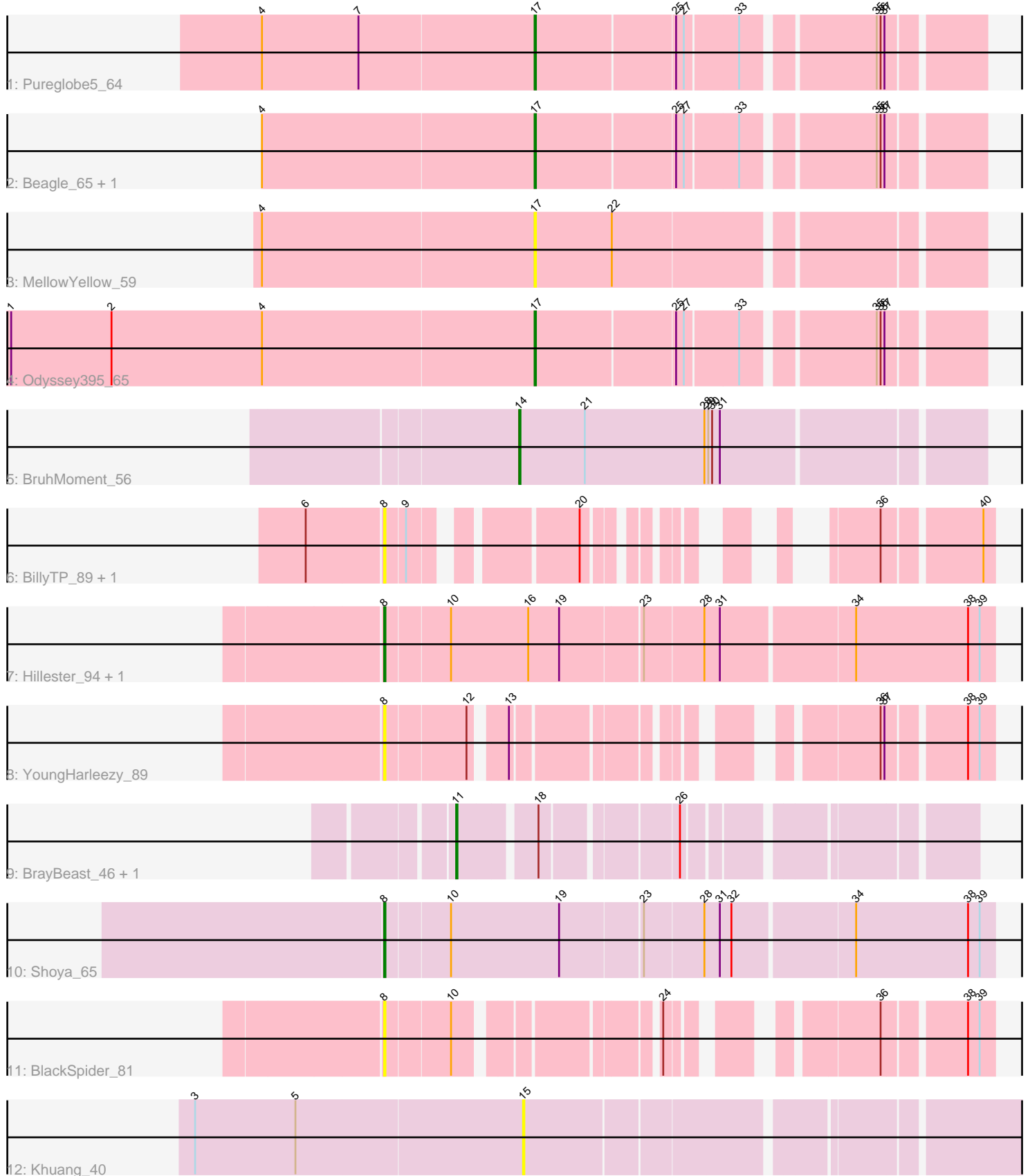


Pham 135966



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 135966 Report

This analysis was run 03/30/24 on database version 556.

Pham number 135966 has 16 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Pureglobe5_64
- Track 2 : Beagle_65, Pointis_61
- Track 3 : MellowYellow_59
- Track 4 : Odyssey395_65
- Track 5 : BruhMoment_56
- Track 6 : BillyTP_89, CookieBear_87
- Track 7 : Hillester_94, RadFad_95
- Track 8 : YoungHarleezy_89
- Track 9 : BrayBeast_46, Raqqa_56
- Track 10 : Shoya_65
- Track 11 : BlackSpider_81
- Track 12 : Khuang_40

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

The start number called the most often in the published annotations is 17, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_65, MellowYellow_59, Odyssey395_65, Pointis_61, Pureglobe5_64,

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

-

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

- BillyTP_89, BlackSpider_81, BrayBeast_46, BruhMoment_56, CookieBear_87, Hillester_94, Khuang_40, RadFad_95, Raqqa_56, Shoya_65, YoungHarleezy_89,

Summary by start number:

Start 8:

- Found in 7 of 16 (43.8%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: BillyTP_89 (AY), BlackSpider_81 (FN), CookieBear_87 (AY), Hillester_94 (AY), RadFad_95 (AY), Shoya_65 (FB), YoungHarleezy_89 (AY),

Start 11:

- Found in 2 of 16 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrayBeast_46 (FB), Raqqa_56 (AY),

Start 14:

- Found in 1 of 16 (6.2%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BruhMoment_56 (AP3),

Start 15:

- Found in 1 of 16 (6.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Khuang_40 (UNK),

Start 17:

- Found in 5 of 16 (31.2%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle_65 (AP2), MellowYellow_59 (AP2), Odyssey395_65 (AP2), Pointis_61 (AP2), Pureglobe5_64 (AP2),

Summary by clusters:

There are 6 clusters represented in this pham: AP2, AP3, FB, AY, UNK, FN,

Info for manual annotations of cluster AP2:

- Start number 17 was manually annotated 3 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 14 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AY:

- Start number 8 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FB:

- Start number 8 was manually annotated 1 time for cluster FB.
- Start number 11 was manually annotated 1 time for cluster FB.

Gene Information:

Gene: Beagle_65 Start: 41716, Stop: 41399, Start Num: 17

Candidate Starts for Beagle_65:

(4, 41926), (Start: 17 @41716 has 3 MA's), (25, 41611), (27, 41605), (33, 41566), (35, 41473), (36, 41470), (37, 41467),

Gene: BillyTP_89 Start: 50300, Stop: 50626, Start Num: 8

Candidate Starts for BillyTP_89:

(6, 50243), (Start: 8 @50300 has 2 MA's), (9, 50315), (20, 50420), (36, 50549), (40, 50618),

Gene: BlackSpider_81 Start: 47528, Stop: 47902, Start Num: 8

Candidate Starts for BlackSpider_81:

(Start: 8 @47528 has 2 MA's), (10, 47576), (24, 47705), (36, 47825), (38, 47882), (39, 47891),

Gene: BrayBeast_46 Start: 28369, Stop: 28710, Start Num: 11

Candidate Starts for BrayBeast_46:

(Start: 11 @28369 has 1 MA's), (18, 28423), (26, 28516),

Gene: BruhMoment_56 Start: 41749, Stop: 41402, Start Num: 14

Candidate Starts for BruhMoment_56:

(Start: 14 @41749 has 1 MA's), (21, 41698), (28, 41605), (29, 41602), (30, 41599), (31, 41593),

Gene: CookieBear_87 Start: 49508, Stop: 49834, Start Num: 8

Candidate Starts for CookieBear_87:

(6, 49451), (Start: 8 @49508 has 2 MA's), (9, 49523), (20, 49628), (36, 49757), (40, 49826),

Gene: Hillester_94 Start: 49893, Stop: 50348, Start Num: 8

Candidate Starts for Hillester_94:

(Start: 8 @49893 has 2 MA's), (10, 49941), (16, 50001), (19, 50025), (23, 50085), (28, 50130), (31, 50142), (34, 50241), (38, 50328), (39, 50337),

Gene: Khuang_40 Start: 26307, Stop: 25885, Start Num: 15

Candidate Starts for Khuang_40:

(3, 26559), (5, 26481), (15, 26307),

Gene: MellowYellow_59 Start: 41279, Stop: 40956, Start Num: 17

Candidate Starts for MellowYellow_59:

(4, 41489), (Start: 17 @41279 has 3 MA's), (22, 41219),

Gene: Odyssey395_65 Start: 41953, Stop: 41636, Start Num: 17

Candidate Starts for Odyssey395_65:

(1, 42358), (2, 42280), (4, 42163), (Start: 17 @41953 has 3 MA's), (25, 41848), (27, 41842), (33, 41803), (35, 41710), (36, 41707), (37, 41704),

Gene: Pointis_61 Start: 41756, Stop: 41439, Start Num: 17

Candidate Starts for Pointis_61:

(4, 41966), (Start: 17 @41756 has 3 MA's), (25, 41651), (27, 41645), (33, 41606), (35, 41513), (36, 41510), (37, 41507),

Gene: Pureglobe5_64 Start: 42200, Stop: 41883, Start Num: 17

Candidate Starts for Pureglobe5_64:

(4, 42410), (7, 42335), (Start: 17 @42200 has 3 MA's), (25, 42095), (27, 42089), (33, 42050), (35, 41957), (36, 41954), (37, 41951),

Gene: RadFad_95 Start: 49893, Stop: 50348, Start Num: 8

Candidate Starts for RadFad_95:

(Start: 8 @49893 has 2 MA's), (10, 49941), (16, 50001), (19, 50025), (23, 50085), (28, 50130), (31, 50142), (34, 50241), (38, 50328), (39, 50337),

Gene: Raqqa_56 Start: 32398, Stop: 32739, Start Num: 11

Candidate Starts for Raqqa_56:

(Start: 11 @32398 has 1 MA's), (18, 32452), (26, 32545),

Gene: Shoya_65 Start: 36138, Stop: 36593, Start Num: 8

Candidate Starts for Shoya_65:

(Start: 8 @36138 has 2 MA's), (10, 36186), (19, 36270), (23, 36330), (28, 36375), (31, 36387), (32, 36396), (34, 36486), (38, 36573), (39, 36582),

Gene: YoungHarleezy_89 Start: 50369, Stop: 50743, Start Num: 8

Candidate Starts for YoungHarleezy_89:

(Start: 8 @50369 has 2 MA's), (12, 50429), (13, 50450), (36, 50666), (37, 50669), (38, 50723), (39, 50732),