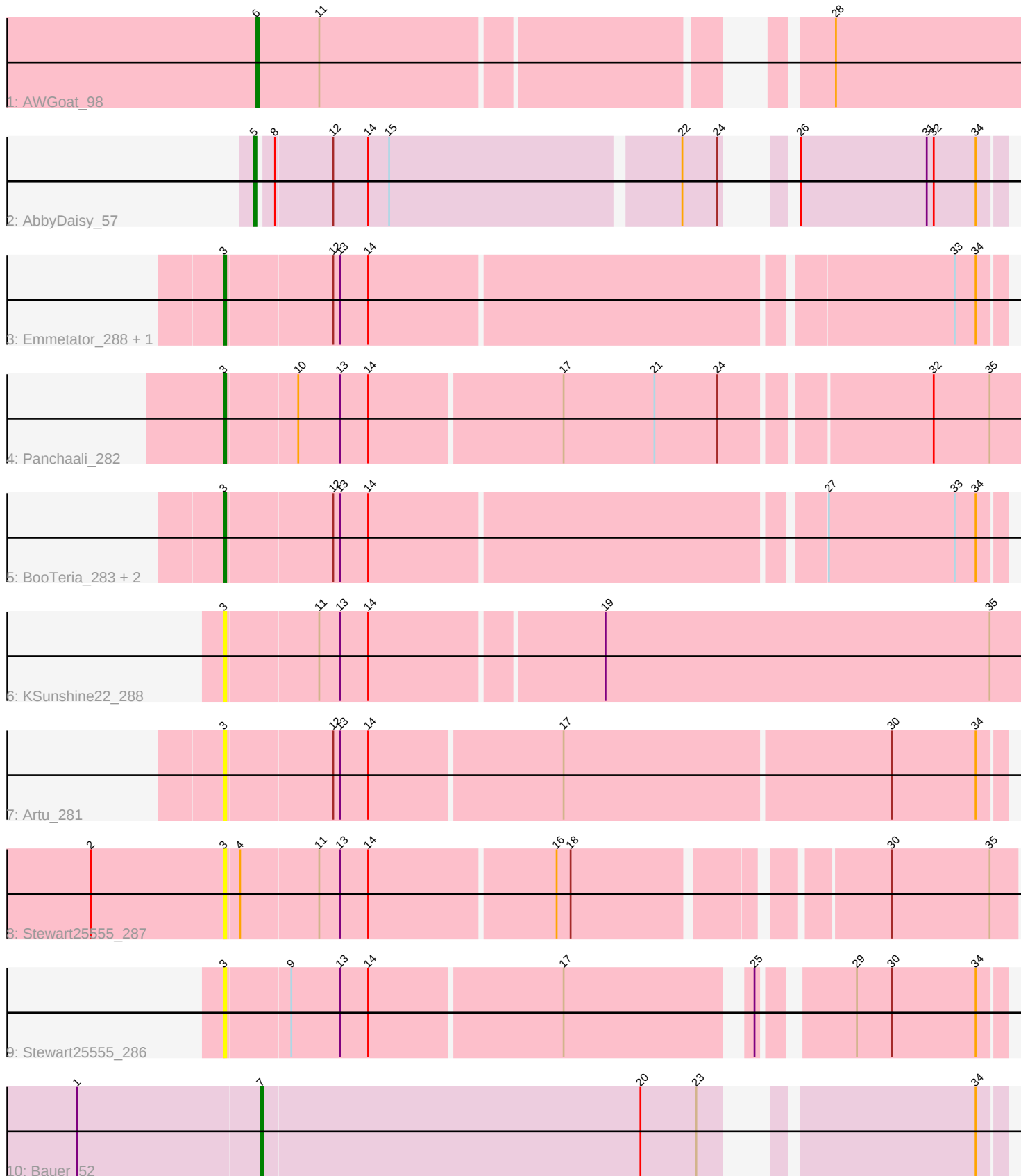


Pham 309616



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 309616 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309616 has 13 members, 5 are drafts.

Phages represented in each track:

- Track 1 : AWGoat_98
- Track 2 : AbbyDaisy_57
- Track 3 : Emmetator_288, Ellewin_286
- Track 4 : Panchaali_282
- Track 5 : BooTeria_283, DunneganBoMo_289, WaddleDee_285
- Track 6 : KSunshine22_288
- Track 7 : Artu_281
- Track 8 : Stewart25555_287
- Track 9 : Stewart25555_286
- Track 10 : Bauer_52

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu_281, BooTeria_283, DunneganBoMo_289, Ellewin_286, Emmetator_288, KSunshine22_288, Panchaali_282, Stewart25555_286, Stewart25555_287, WaddleDee_285,

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

-

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

- AWGoat_98, AbbyDaisy_57, Bauer_52,

Summary by start number:

Start 3:

- Found in 10 of 13 (76.9%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Artu_281 (FC), BooTeria_283 (FC), DunneganBoMo_289 (FC), Ellewin_286 (FC), Emmetator_288 (FC), KSunshine22_288 (FC), Panchaali_282 (FC), Stewart25555_286 (FC), Stewart25555_287 (FC), WaddleDee_285 (FC),

Start 5:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_57 (AY),

Start 6:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_98 (AP4),

Start 7:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bauer_52 (FN),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FC, FN, AP4,

Info for manual annotations of cluster AP4:

- Start number 6 was manually annotated 1 time for cluster AP4.

Info for manual annotations of cluster AY:

- Start number 5 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FC:

- Start number 3 was manually annotated 5 times for cluster FC.

Info for manual annotations of cluster FN:

- Start number 7 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: AWGoat_98 Start: 61880, Stop: 61587, Start Num: 6

Candidate Starts for AWGoat_98:

(Start: 6 @61880 has 1 MA's), (11, 61853), (28, 61667),

Gene: AbbyDaisy_57 Start: 33915, Stop: 34199, Start Num: 5

Candidate Starts for AbbyDaisy_57:

(Start: 5 @33915 has 1 MA's), (8, 33921), (12, 33945), (14, 33960), (15, 33969), (22, 34089), (24, 34104), (26, 34113), (31, 34167), (32, 34170), (34, 34188),

Gene: Artu_281 Start: 176668, Stop: 176994, Start Num: 3

Candidate Starts for Artu_281:

(Start: 3 @176668 has 5 MA's), (12, 176713), (13, 176716), (14, 176728), (17, 176809), (30, 176947), (34, 176983),

Gene: Bauer_52 Start: 31747, Stop: 32037, Start Num: 7

Candidate Starts for Bauer_52:

(1, 31669), (Start: 7 @31747 has 1 MA's), (20, 31909), (23, 31933), (34, 32026),

Gene: BooTeria_283 Start: 176524, Stop: 176844, Start Num: 3

Candidate Starts for BooTeria_283:

(Start: 3 @176524 has 5 MA's), (12, 176569), (13, 176572), (14, 176584), (27, 176770), (33, 176824), (34, 176833),

Gene: DunneganBoMo_289 Start: 177027, Stop: 177347, Start Num: 3

Candidate Starts for DunneganBoMo_289:

(Start: 3 @177027 has 5 MA's), (12, 177072), (13, 177075), (14, 177087), (27, 177273), (33, 177327), (34, 177336),

Gene: Ellewin_286 Start: 176430, Stop: 176750, Start Num: 3

Candidate Starts for Ellewin_286:

(Start: 3 @176430 has 5 MA's), (12, 176475), (13, 176478), (14, 176490), (33, 176730), (34, 176739),

Gene: Emmetator_288 Start: 175915, Stop: 176235, Start Num: 3

Candidate Starts for Emmetator_288:

(Start: 3 @175915 has 5 MA's), (12, 175960), (13, 175963), (14, 175975), (33, 176215), (34, 176224),

Gene: KSunshine22_288 Start: 175224, Stop: 175559, Start Num: 3

Candidate Starts for KSunshine22_288:

(Start: 3 @175224 has 5 MA's), (11, 175263), (13, 175272), (14, 175284), (19, 175380), (35, 175545),

Gene: Panchaali_282 Start: 176781, Stop: 177110, Start Num: 3

Candidate Starts for Panchaali_282:

(Start: 3 @176781 has 5 MA's), (10, 176811), (13, 176829), (14, 176841), (17, 176922), (21, 176961), (24, 176988), (32, 177072), (35, 177096),

Gene: Stewart25555_287 Start: 176089, Stop: 176406, Start Num: 3

Candidate Starts for Stewart25555_287:

(2, 176032), (Start: 3 @176089 has 5 MA's), (4, 176095), (11, 176128), (13, 176137), (14, 176149), (16, 176227), (18, 176233), (30, 176353), (35, 176395),

Gene: Stewart25555_286 Start: 175784, Stop: 176092, Start Num: 3

Candidate Starts for Stewart25555_286:

(Start: 3 @175784 has 5 MA's), (9, 175811), (13, 175832), (14, 175844), (17, 175925), (25, 175997), (29, 176030), (30, 176045), (34, 176081),

Gene: WaddleDee_285 Start: 175810, Stop: 176130, Start Num: 3

Candidate Starts for WaddleDee_285:

(Start: 3 @175810 has 5 MA's), (12, 175855), (13, 175858), (14, 175870), (27, 176056), (33, 176110), (34, 176119),