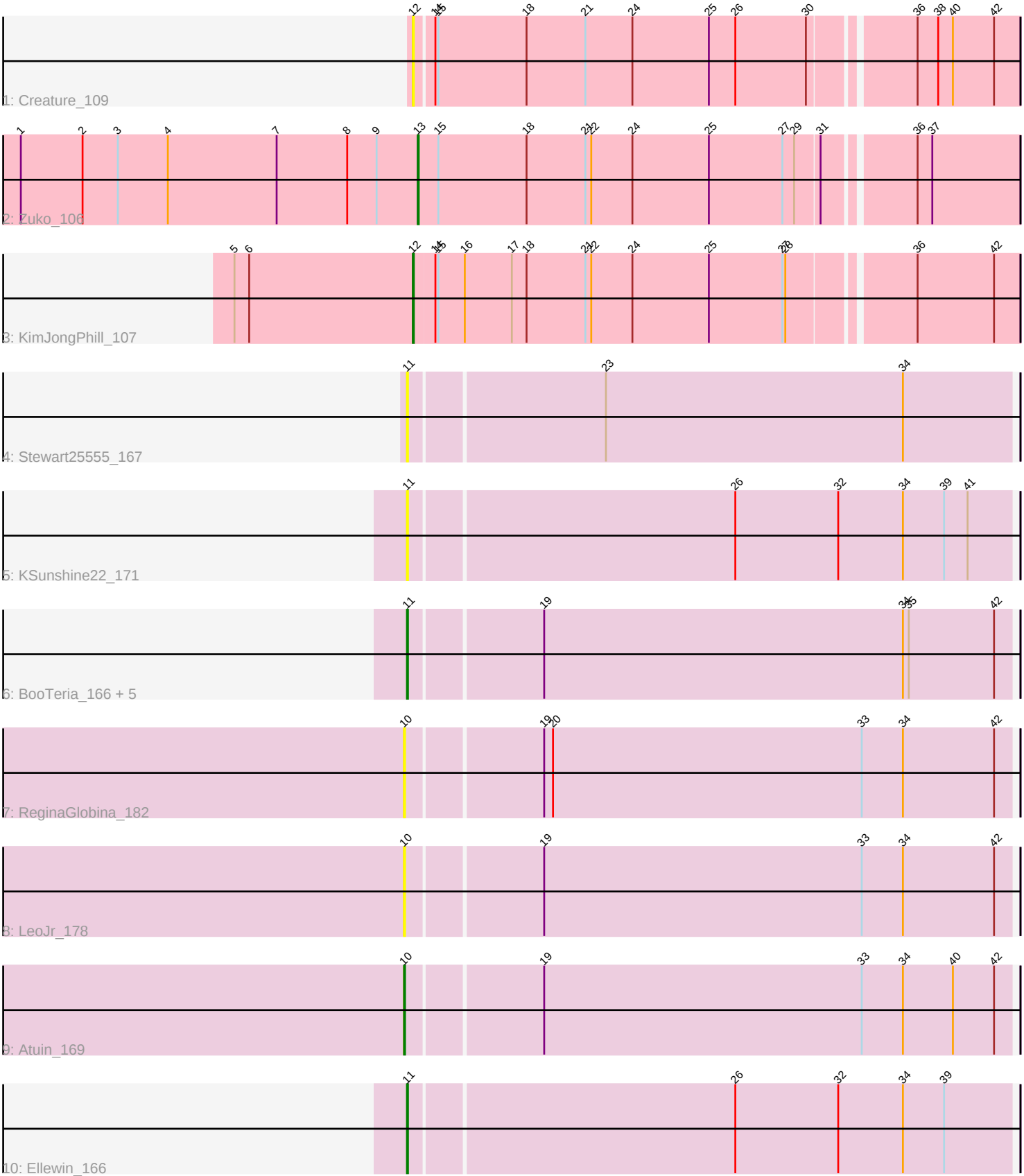


Pham 309368



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 309368 Report

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

Pham number 309368 has 15 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Creature_109
- Track 2 : Zuko_106
- Track 3 : KimJongPhill_107
- Track 4 : Stewart25555_167
- Track 5 : KSunshine22_171
- Track 6 : BooTeria_166, Artu_168, DunneganBoMo_166, Emmetator_169, WaddleDee_162, Panchaali_168
- Track 7 : ReginaGlobina_182
- Track 8 : LeoJr_178
- Track 9 : Atuin_169
- Track 10 : Ellewin_166

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

The start number called the most often in the published annotations is 11, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu_168, BooTeria_166, DunneganBoMo_166, Ellewin_166, Emmetator_169, KSunshine22_171, Panchaali_168, Stewart25555_167, WaddleDee_162,

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

-

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

- Atuin_169, Creature_109, KimJongPhill_107, LeoJr_178, ReginaGlobina_182, Zuko_106,

Summary by start number:

Start 10:

- Found in 3 of 15 (20.0%) 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: Atuin_169 (FC), LeoJr_178 (FC), ReginaGlobina_182 (FC),

Start 11:

- Found in 9 of 15 (60.0%) 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_168 (FC), BooTeria_166 (FC), DunneganBoMo_166 (FC), Ellewin_166 (FC), Emmetator_169 (FC), KSunshine22_171 (FC), Panchaali_168 (FC), Stewart25555_167 (FC), WaddleDee_162 (FC),

Start 12:

- Found in 2 of 15 (13.3%) 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: Creature_109 (BR), KimJongPhill_107 (BR),

Start 13:

- Found in 1 of 15 (6.7%) 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: Zuko_106 (BR),

Summary by clusters:

There are 2 clusters represented in this pham: FC, BR,

Info for manual annotations of cluster BR:

- Start number 12 was manually annotated 1 time for cluster BR.
- Start number 13 was manually annotated 1 time for cluster BR.

Info for manual annotations of cluster FC:

- Start number 10 was manually annotated 1 time for cluster FC.
- Start number 11 was manually annotated 5 times for cluster FC.

Gene Information:

Gene: Artu_168 Start: 115060, Stop: 115665, Start Num: 11

Candidate Starts for Artu_168:

(Start: 11 @115060 has 5 MA's), (19, 115189), (34, 115555), (35, 115561), (42, 115648),

Gene: Atuin_169 Start: 117671, Stop: 118279, Start Num: 10

Candidate Starts for Atuin_169:

(Start: 10 @117671 has 1 MA's), (19, 117803), (33, 118127), (34, 118169), (40, 118220), (42, 118262),

Gene: BooTeria_166 Start: 115160, Stop: 115765, Start Num: 11

Candidate Starts for BooTeria_166:

(Start: 11 @115160 has 5 MA's), (19, 115289), (34, 115655), (35, 115661), (42, 115748),

Gene: Creature_109 Start: 75728, Stop: 75132, Start Num: 12

Candidate Starts for Creature_109:

(Start: 12 @75728 has 1 MA's), (14, 75710), (15, 75707), (18, 75617), (21, 75557), (24, 75509), (25, 75431), (26, 75404), (30, 75332), (36, 75236), (38, 75215), (40, 75200), (42, 75158),

Gene: DunneganBoMo_166 Start: 114342, Stop: 114947, Start Num: 11

Candidate Starts for DunneganBoMo_166:

(Start: 11 @114342 has 5 MA's), (19, 114471), (34, 114837), (35, 114843), (42, 114930),

Gene: Ellewin_166 Start: 114517, Stop: 115122, Start Num: 11

Candidate Starts for Ellewin_166:

(Start: 11 @114517 has 5 MA's), (26, 114841), (32, 114946), (34, 115012), (39, 115054),

Gene: Emmetator_169 Start: 114658, Stop: 115263, Start Num: 11

Candidate Starts for Emmetator_169:

(Start: 11 @114658 has 5 MA's), (19, 114787), (34, 115153), (35, 115159), (42, 115246),

Gene: KSunshine22_171 Start: 115475, Stop: 116080, Start Num: 11

Candidate Starts for KSunshine22_171:

(Start: 11 @115475 has 5 MA's), (26, 115799), (32, 115904), (34, 115970), (39, 116012), (41, 116036),

Gene: KimJongPhill_107 Start: 76658, Stop: 76059, Start Num: 12

Candidate Starts for KimJongPhill_107:

(5, 76838), (6, 76823), (Start: 12 @76658 has 1 MA's), (14, 76637), (15, 76634), (16, 76607), (17, 76559), (18, 76544), (21, 76484), (22, 76478), (24, 76436), (25, 76358), (27, 76283), (28, 76280), (36, 76163), (42, 76085),

Gene: LeoJr_178 Start: 118205, Stop: 118813, Start Num: 10

Candidate Starts for LeoJr_178:

(Start: 10 @118205 has 1 MA's), (19, 118337), (33, 118661), (34, 118703), (42, 118796),

Gene: Panchaali_168 Start: 115335, Stop: 115940, Start Num: 11

Candidate Starts for Panchaali_168:

(Start: 11 @115335 has 5 MA's), (19, 115464), (34, 115830), (35, 115836), (42, 115923),

Gene: ReginaGlobina_182 Start: 119478, Stop: 120086, Start Num: 10

Candidate Starts for ReginaGlobina_182:

(Start: 10 @119478 has 1 MA's), (19, 119610), (20, 119619), (33, 119934), (34, 119976), (42, 120069),

Gene: Stewart25555_167 Start: 116522, Stop: 117127, Start Num: 11

Candidate Starts for Stewart25555_167:

(Start: 11 @116522 has 5 MA's), (23, 116714), (34, 117017),

Gene: WaddleDee_162 Start: 113615, Stop: 114220, Start Num: 11

Candidate Starts for WaddleDee_162:

(Start: 11 @113615 has 5 MA's), (19, 113744), (34, 114110), (35, 114116), (42, 114203),

Gene: Zuko_106 Start: 76584, Stop: 75988, Start Num: 13

Candidate Starts for Zuko_106:

(1, 76989), (2, 76926), (3, 76890), (4, 76839), (7, 76728), (8, 76656), (9, 76626), (Start: 13 @76584 has 1 MA's), (15, 76563), (18, 76473), (21, 76413), (22, 76407), (24, 76365), (25, 76287), (27, 76212), (29, 76200), (31, 76176), (36, 76092), (37, 76077),