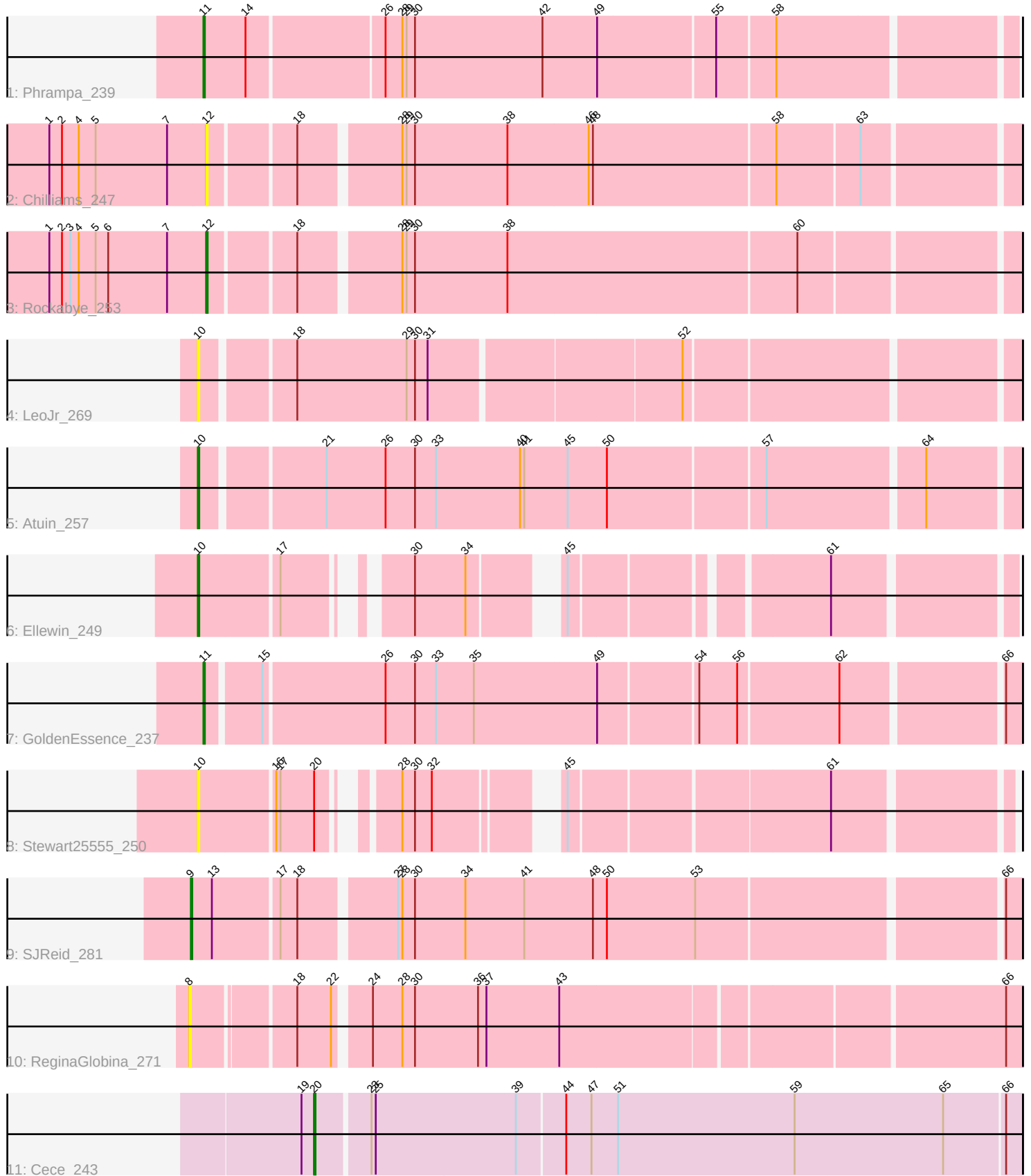


Pham 309730



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 309730 Report

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

Pham number 309730 has 11 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Phrampa_239
- Track 2 : Chilliams_247
- Track 3 : Rockabye_253
- Track 4 : LeoJr_269
- Track 5 : Atuin_257
- Track 6 : Ellewin_249
- Track 7 : GoldenEssence_237
- Track 8 : Stewart25555_250
- Track 9 : SJReid_281
- Track 10 : ReginaGlobina_271
- Track 11 : Cece_243

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 2 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atuin_257, Ellewin_249, LeoJr_269, Stewart25555_250,

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

-

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

- Cece_243, Chilliams_247, GoldenEssence_237, Phrampa_239, ReginaGlobina_271, Rockabye_253, SJReid_281,

Summary by start number:

Start 8:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ReginaGlobina_271 (FC),

Start 9:

- Found in 1 of 11 (9.1%) 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: SJReid_281 (FC),

Start 10:

- Found in 4 of 11 (36.4%) 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: Atuin_257 (FC), Ellewin_249 (FC), LeoJr_269 (FC), Stewart25555_250 (FC),

Start 11:

- Found in 2 of 11 (18.2%) 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: GoldenEssence_237 (FC), Phrampa_239 (FC),

Start 12:

- Found in 2 of 11 (18.2%) 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: Chilliamps_247 (FC), Rockabye_253 (FC),

Start 20:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cece_243 (GD3),

Summary by clusters:

There are 2 clusters represented in this pham: GD3, FC,

Info for manual annotations of cluster FC:

- Start number 9 was manually annotated 1 time for cluster FC.
- Start number 10 was manually annotated 2 times for cluster FC.
- Start number 11 was manually annotated 2 times for cluster FC.
- Start number 12 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster GD3:

- Start number 20 was manually annotated 1 time for cluster GD3.

Gene Information:

Gene: Atuin_257 Start: 162491, Stop: 163045, Start Num: 10

Candidate Starts for Atuin_257:

(Start: 10 @162491 has 2 MA's), (21, 162572), (26, 162614), (30, 162635), (33, 162650), (40, 162710), (41, 162713), (45, 162743), (50, 162770), (57, 162878), (64, 162983),

Gene: Cece_243 Start: 145078, Stop: 145569, Start Num: 20

Candidate Starts for Cece_243:

(19, 145069), (Start: 20 @145078 has 1 MA's), (23, 145114), (25, 145117), (39, 145216), (44, 145249), (47, 145267), (51, 145285), (59, 145411), (65, 145516), (66, 145558),

Gene: Chilliams_247 Start: 154770, Stop: 155315, Start Num: 12

Candidate Starts for Chilliams_247:

(1, 154659), (2, 154668), (4, 154680), (5, 154692), (7, 154743), (Start: 12 @154770 has 1 MA's), (18, 154827), (28, 154893), (29, 154896), (30, 154902), (38, 154968), (46, 155025), (48, 155028), (58, 155154), (63, 155211),

Gene: Ellewin_249 Start: 163752, Stop: 164234, Start Num: 10

Candidate Starts for Ellewin_249:

(Start: 10 @163752 has 2 MA's), (17, 163806), (30, 163869), (34, 163905), (45, 163953), (61, 164115),

Gene: GoldenEssence_237 Start: 152170, Stop: 152718, Start Num: 11

Candidate Starts for GoldenEssence_237:

(Start: 11 @152170 has 2 MA's), (15, 152206), (26, 152290), (30, 152311), (33, 152326), (35, 152353), (49, 152440), (54, 152506), (56, 152533), (62, 152602), (66, 152707),

Gene: LeoJr_269 Start: 162508, Stop: 163053, Start Num: 10

Candidate Starts for LeoJr_269:

(Start: 10 @162508 has 2 MA's), (18, 162568), (29, 162646), (30, 162652), (31, 162661), (52, 162832),

Gene: Phrampa_239 Start: 159412, Stop: 159963, Start Num: 11

Candidate Starts for Phrampa_239:

(Start: 11 @159412 has 2 MA's), (14, 159442), (26, 159535), (28, 159547), (29, 159550), (30, 159556), (42, 159646), (49, 159685), (55, 159766), (58, 159805),

Gene: ReginaGlobina_271 Start: 163719, Stop: 164273, Start Num: 8

Candidate Starts for ReginaGlobina_271:

(8, 163719), (18, 163785), (22, 163809), (24, 163830), (28, 163851), (30, 163860), (36, 163905), (37, 163911), (43, 163962), (66, 164262),

Gene: Rockabye_253 Start: 154598, Stop: 155143, Start Num: 12

Candidate Starts for Rockabye_253:

(1, 154487), (2, 154496), (3, 154502), (4, 154508), (5, 154520), (6, 154529), (7, 154571), (Start: 12 @154598 has 1 MA's), (18, 154655), (28, 154721), (29, 154724), (30, 154730), (38, 154796), (60, 154997),

Gene: SJReid_281 Start: 162223, Stop: 162783, Start Num: 9

Candidate Starts for SJReid_281:

(Start: 9 @162223 has 1 MA's), (13, 162238), (17, 162283), (18, 162295), (27, 162358), (28, 162361), (30, 162370), (34, 162406), (41, 162448), (48, 162496), (50, 162505), (53, 162568), (66, 162772),

Gene: Stewart25555_250 Start: 162668, Stop: 163162, Start Num: 10

Candidate Starts for Stewart25555_250:

(Start: 10 @162668 has 2 MA's), (16, 162719), (17, 162722), (Start: 20 @162746 has 1 MA's), (28, 162782), (30, 162791), (32, 162803), (45, 162872), (61, 163046),