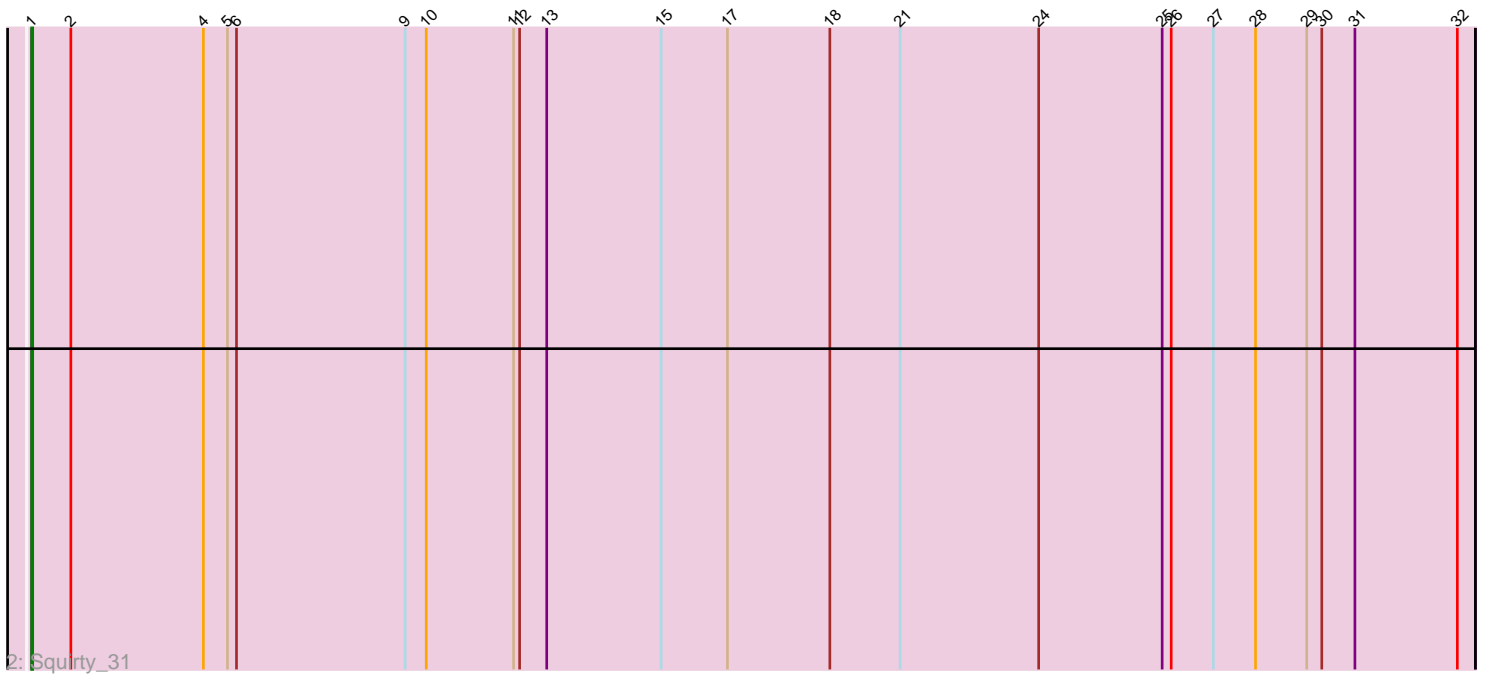
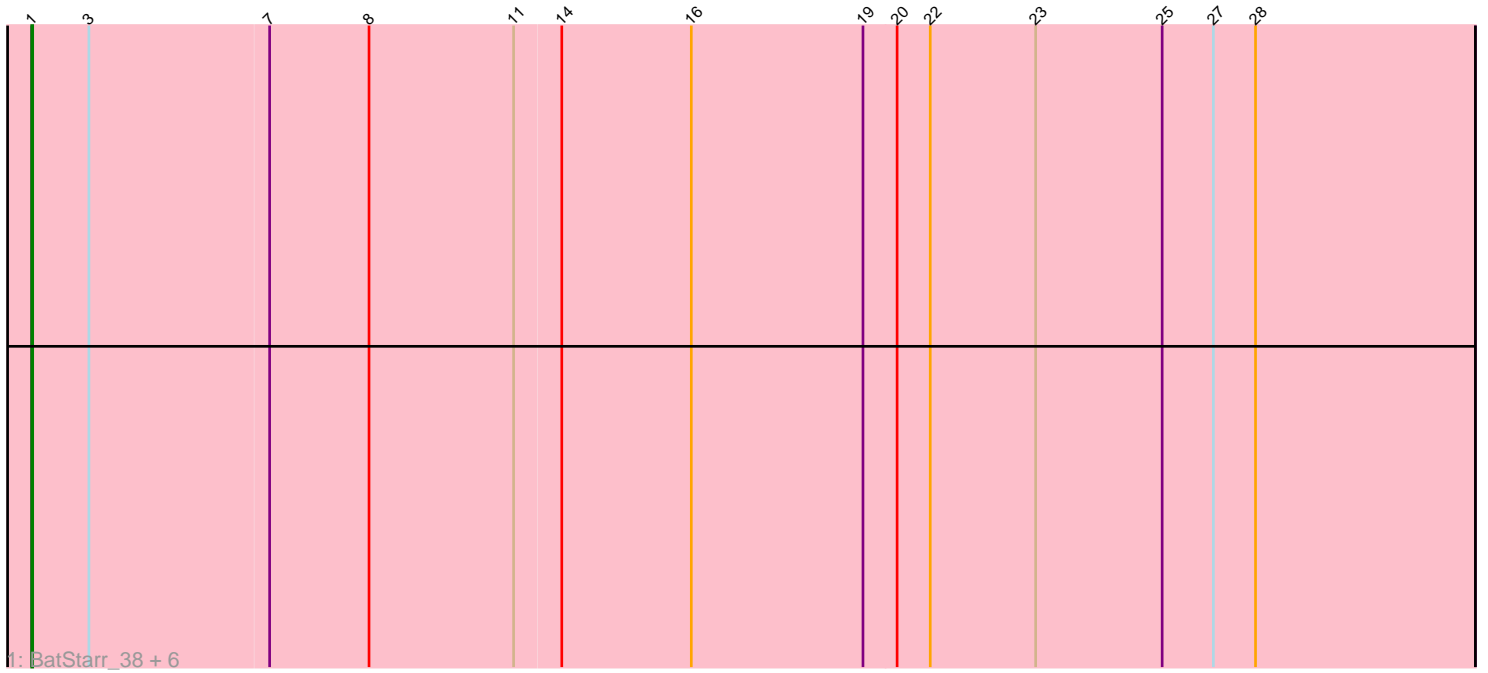


Pham 6960



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 6960 Report

This analysis was run 07/09/24 on database version 566.

Pham number 6960 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : BatStarr_38, Herod_38, Bosnia_38, TimTam_38, Hugley_35, Nymphadora_38, Eviarto_38
- Track 2 : Squirty_31

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BatStarr_38, Bosnia_38, Eviarto_38, Herod_38, Hugley_35, Nymphadora_38, Squirty_31, TimTam_38,

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

-

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

-

Summary by start number:

Start 1:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BatStarr_38 (CZ1), Bosnia_38 (CZ1), Eviarto_38 (CZ1), Herod_38 (CZ1), Hugley_35 (CZ1), Nymphadora_38 (CZ1), Squirty_31 (F3), TimTam_38 (CZ1),

Summary by clusters:

There are 2 clusters represented in this pham: CZ1, F3,

Info for manual annotations of cluster CZ1:

- Start number 1 was manually annotated 6 times for cluster CZ1.

Info for manual annotations of cluster F3:

- Start number 1 was manually annotated 1 time for cluster F3.

Gene Information:

Gene: BatStarr_38 Start: 31502, Stop: 30072, Start Num: 1

Candidate Starts for BatStarr_38:

(Start: 1 @31502 has 7 MA's), (3, 31445), (7, 31268), (8, 31169), (11, 31025), (14, 30980), (16, 30851), (19, 30680), (20, 30647), (22, 30614), (23, 30509), (25, 30383), (27, 30332), (28, 30290),

Gene: Bosnia_38 Start: 31502, Stop: 30072, Start Num: 1

Candidate Starts for Bosnia_38:

(Start: 1 @31502 has 7 MA's), (3, 31445), (7, 31268), (8, 31169), (11, 31025), (14, 30980), (16, 30851), (19, 30680), (20, 30647), (22, 30614), (23, 30509), (25, 30383), (27, 30332), (28, 30290),

Gene: Eviarto_38 Start: 31478, Stop: 30048, Start Num: 1

Candidate Starts for Eviarto_38:

(Start: 1 @31478 has 7 MA's), (3, 31421), (7, 31244), (8, 31145), (11, 31001), (14, 30956), (16, 30827), (19, 30656), (20, 30623), (22, 30590), (23, 30485), (25, 30359), (27, 30308), (28, 30266),

Gene: Herod_38 Start: 31502, Stop: 30072, Start Num: 1

Candidate Starts for Herod_38:

(Start: 1 @31502 has 7 MA's), (3, 31445), (7, 31268), (8, 31169), (11, 31025), (14, 30980), (16, 30851), (19, 30680), (20, 30647), (22, 30614), (23, 30509), (25, 30383), (27, 30332), (28, 30290),

Gene: Hugley_35 Start: 31501, Stop: 30071, Start Num: 1

Candidate Starts for Hugley_35:

(Start: 1 @31501 has 7 MA's), (3, 31444), (7, 31267), (8, 31168), (11, 31024), (14, 30979), (16, 30850), (19, 30679), (20, 30646), (22, 30613), (23, 30508), (25, 30382), (27, 30331), (28, 30289),

Gene: Nymphadora_38 Start: 31502, Stop: 30072, Start Num: 1

Candidate Starts for Nymphadora_38:

(Start: 1 @31502 has 7 MA's), (3, 31445), (7, 31268), (8, 31169), (11, 31025), (14, 30980), (16, 30851), (19, 30680), (20, 30647), (22, 30614), (23, 30509), (25, 30383), (27, 30332), (28, 30290),

Gene: Squirty_31 Start: 27532, Stop: 26096, Start Num: 1

Candidate Starts for Squirty_31:

(Start: 1 @27532 has 7 MA's), (2, 27493), (4, 27361), (5, 27337), (6, 27328), (9, 27160), (10, 27139), (11, 27052), (12, 27046), (13, 27019), (15, 26905), (17, 26839), (18, 26737), (21, 26668), (24, 26530), (25, 26407), (26, 26398), (27, 26356), (28, 26314), (29, 26263), (30, 26248), (31, 26215), (32, 26113),

Gene: TimTam_38 Start: 31502, Stop: 30072, Start Num: 1

Candidate Starts for TimTam_38:

(Start: 1 @31502 has 7 MA's), (3, 31445), (7, 31268), (8, 31169), (11, 31025), (14, 30980), (16, 30851), (19, 30680), (20, 30647), (22, 30614), (23, 30509), (25, 30383), (27, 30332), (28, 30290),