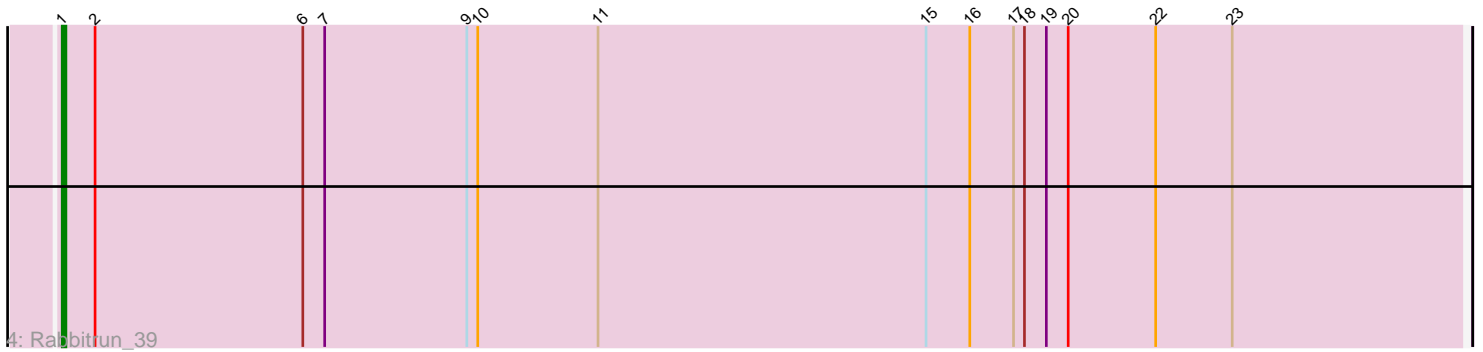
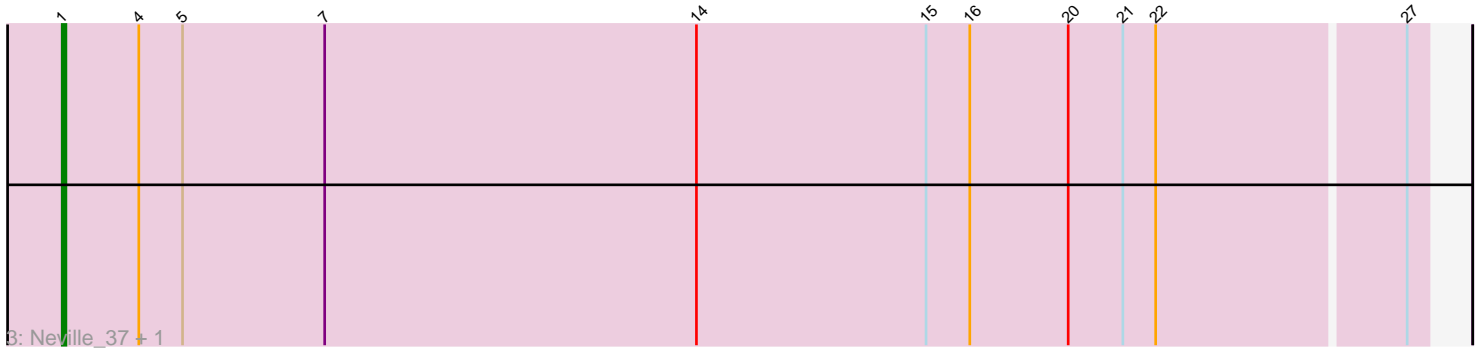
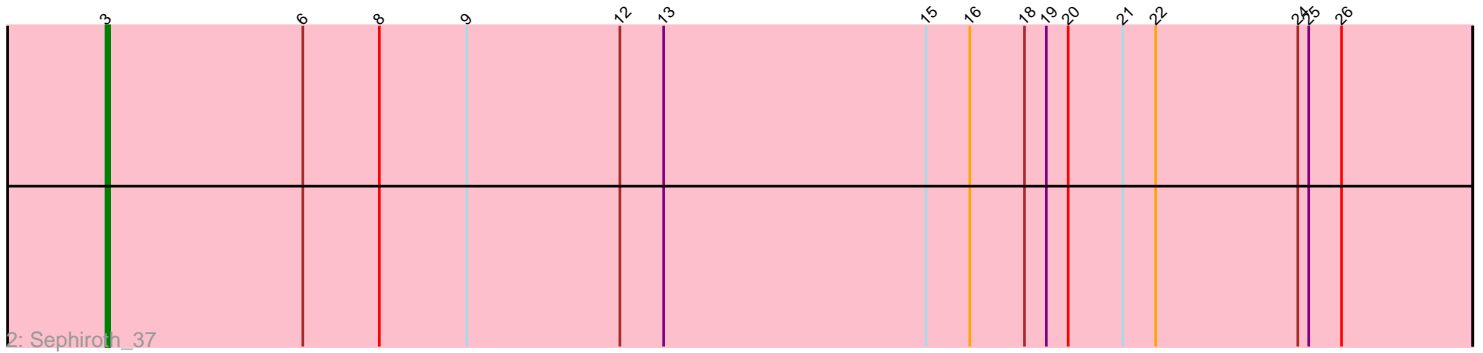
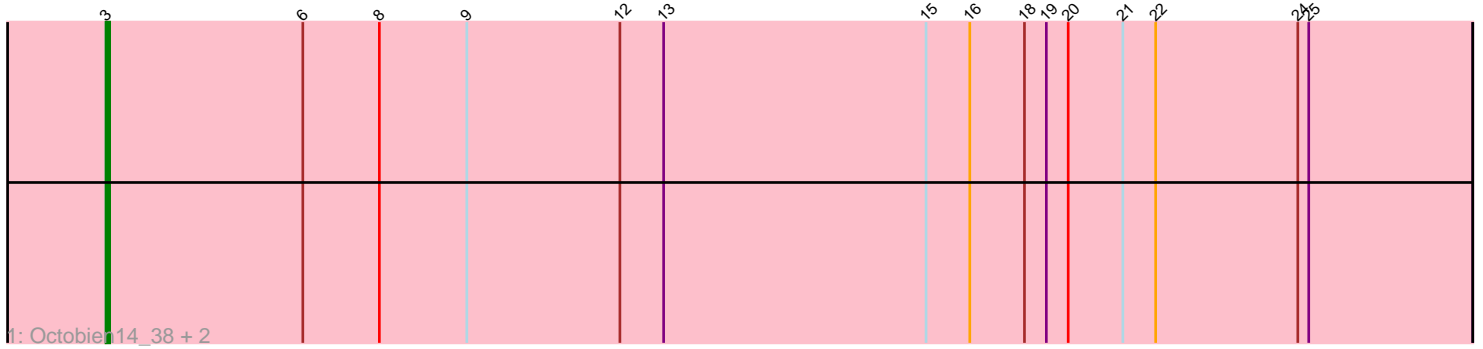


Pham 7237



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 7237 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7237 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Octobien14_38, Syleon_37, Kudetre_36
- Track 2 : Sephiroth_37
- Track 3 : Neville_37, Trax_37
- Track 4 : Rabbitrun_39

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

Genes that call this "Most Annotated" start:

- Kudetre_36, Octobien14_38, Sephiroth_37, Syleon_37,

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

-

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

- Neville_37, Rabbitrun_39, Trax_37,

Summary by start number:

Start 1:

- Found in 3 of 7 (42.9%) 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: Neville_37 (DU2), Rabbitrun_39 (DU2), Trax_37 (DU2),

Start 3:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kudetre_36 (DU1), Octobien14_38 (DU1), Sephiroth_37 (DU1), Syleon_37 (DU1),

Summary by clusters:

There are 2 clusters represented in this pham: DU1, DU2,

Info for manual annotations of cluster DU1:

- Start number 3 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 1 was manually annotated 3 times for cluster DU2.

Gene Information:

Gene: Kudefre_36 Start: 29954, Stop: 30328, Start Num: 3

Candidate Starts for Kudefre_36:

(Start: 3 @29954 has 4 MA's), (6, 30008), (8, 30029), (9, 30053), (12, 30095), (13, 30107), (15, 30179), (16, 30191), (18, 30206), (19, 30212), (20, 30218), (21, 30233), (22, 30242), (24, 30281), (25, 30284),

Gene: Neville_37 Start: 31255, Stop: 31626, Start Num: 1

Candidate Starts for Neville_37:

(Start: 1 @31255 has 3 MA's), (4, 31276), (5, 31288), (7, 31327), (14, 31429), (15, 31492), (16, 31504), (20, 31531), (21, 31546), (22, 31555), (27, 31621),

Gene: Octobien14_38 Start: 30641, Stop: 31015, Start Num: 3

Candidate Starts for Octobien14_38:

(Start: 3 @30641 has 4 MA's), (6, 30695), (8, 30716), (9, 30740), (12, 30782), (13, 30794), (15, 30866), (16, 30878), (18, 30893), (19, 30899), (20, 30905), (21, 30920), (22, 30929), (24, 30968), (25, 30971),

Gene: Rabbitrun_39 Start: 31695, Stop: 32078, Start Num: 1

Candidate Starts for Rabbitrun_39:

(Start: 1 @31695 has 3 MA's), (2, 31704), (6, 31761), (7, 31767), (9, 31806), (10, 31809), (11, 31842), (15, 31932), (16, 31944), (17, 31956), (18, 31959), (19, 31965), (20, 31971), (22, 31995), (23, 32016),

Gene: Sephiroth_37 Start: 30125, Stop: 30499, Start Num: 3

Candidate Starts for Sephiroth_37:

(Start: 3 @30125 has 4 MA's), (6, 30179), (8, 30200), (9, 30224), (12, 30266), (13, 30278), (15, 30350), (16, 30362), (18, 30377), (19, 30383), (20, 30389), (21, 30404), (22, 30413), (24, 30452), (25, 30455), (26, 30464),

Gene: Syleon_37 Start: 30047, Stop: 30421, Start Num: 3

Candidate Starts for Syleon_37:

(Start: 3 @30047 has 4 MA's), (6, 30101), (8, 30122), (9, 30146), (12, 30188), (13, 30200), (15, 30272), (16, 30284), (18, 30299), (19, 30305), (20, 30311), (21, 30326), (22, 30335), (24, 30374), (25, 30377),

Gene: Trax_37 Start: 31561, Stop: 31932, Start Num: 1

Candidate Starts for Trax_37:

(Start: 1 @31561 has 3 MA's), (4, 31582), (5, 31594), (7, 31633), (14, 31735), (15, 31798), (16, 31810), (20, 31837), (21, 31852), (22, 31861), (27, 31927),

