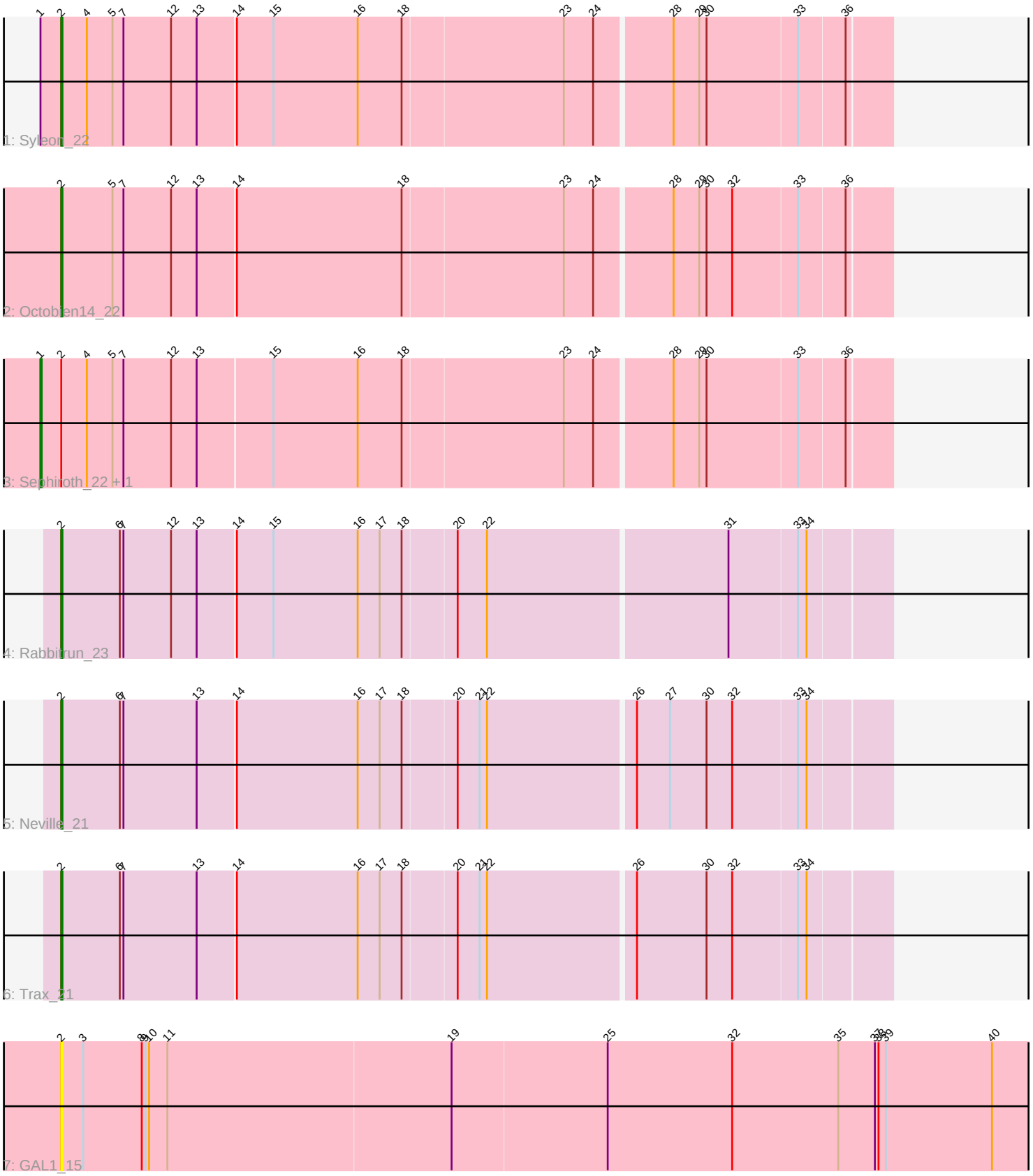
Pham 197107


1: Syleon_22
2: Octobien14_22
3: Sephiroth_22 + 1
4: Rabbitrun_23
5: Neville_21
6: Trax_21
7: GAL1_15

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 197107 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197107 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Syleon_22
• Track 2 : Octobien14_22
• Track 3 : Sephiroth_22, Kudefre_21
• Track 4 : Rabbitrun_23
• Track 5 : Neville_21
• Track 6 : Trax_21
• Track 7 : GAL1_15

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• GAL1_15, Neville_21, Octobien14_22, Rabbitrun_23, Syleon_22, Trax_21,

Genes that have the "Most Annotated" start but do not call it:
• Kudefre_21, Sephiroth_22,

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

Summary by start number:

Start 1:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Kudefre_21 (DU1), Sephiroth_22 (DU1),

Start 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 75.0% of time when present

• Phage (with cluster) where this start called: GAL1_15 (singleton), Neville_21 (DU2), Octobien14_22 (DU1), Rabbitrun_23 (DU2), Syleon_22 (DU1), Trax_21 (DU2),

Summary by clusters:

There are 3 clusters represented in this pham: DU1, DU2, singleton,

Info for manual annotations of cluster DU1:
•Start number 1 was manually annotated 2 times for cluster DU1.
•Start number 2 was manually annotated 2 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 2 was manually annotated 3 times for cluster DU2.

Gene Information:

Gene: GAL1_15 Start: 9773, Stop: 10699, Start Num: 2
Candidate Starts for GAL1_15:
(Start: 2 @9773 has 5 MA's), (3, 9791), (8, 9839), (9, 9842), (10, 9845), (11, 9860), (19, 10091), (25, 10217), (32, 10319), (35, 10406), (37, 10436), (38, 10439), (39, 10445), (40, 10532),

Gene: Kudefre_21 Start: 12302, Stop: 12976, Start Num: 1
Candidate Starts for Kudefre_21:
(Start: 1 @12302 has 2 MA's), (Start: 2 @12317 has 5 MA's), (4, 12338), (5, 12359), (7, 12368), (12, 12407), (13, 12428), (15, 12488), (16, 12557), (18, 12593), (23, 12722), (24, 12746), (28, 12806), (29, 12827), (30, 12833), (33, 12905), (36, 12941),

Gene: Neville_21 Start: 12158, Stop: 12817, Start Num: 2
Candidate Starts for Neville_21:
(Start: 2 @12158 has 5 MA's), (6, 12206), (7, 12209), (13, 12269), (14, 12299), (16, 12398), (17, 12416), (18, 12434), (20, 12476), (21, 12494), (22, 12500), (26, 12617), (27, 12644), (30, 12674), (32, 12695), (33, 12746), (34, 12752),

Gene: Octobien14_22 Start: 13362, Stop: 14021, Start Num: 2
Candidate Starts for Octobien14_22:
(Start: 2 @13362 has 5 MA's), (5, 13404), (7, 13413), (12, 13452), (13, 13473), (14, 13503), (18, 13638), (23, 13767), (24, 13791), (28, 13851), (29, 13872), (30, 13878), (32, 13899), (33, 13950), (36, 13986),

Gene: Rabbitrun_23 Start: 12721, Stop: 13380, Start Num: 2
Candidate Starts for Rabbitrun_23:
(Start: 2 @12721 has 5 MA's), (6, 12769), (7, 12772), (12, 12811), (13, 12832), (14, 12862), (15, 12892), (16, 12961), (17, 12979), (18, 12997), (20, 13039), (22, 13063), (31, 13255), (33, 13309), (34, 13315),

Gene: Sephiroth_22 Start: 12473, Stop: 13147, Start Num: 1
Candidate Starts for Sephiroth_22:
(Start: 1 @12473 has 2 MA's), (Start: 2 @12488 has 5 MA's), (4, 12509), (5, 12530), (7, 12539), (12, 12578), (13, 12599), (15, 12659), (16, 12728), (18, 12764), (23, 12893), (24, 12917), (28, 12977), (29, 12998), (30, 13004), (33, 13076), (36, 13112),

Gene: Syleon_22 Start: 12411, Stop: 13070, Start Num: 2
Candidate Starts for Syleon_22:
(Start: 1 @12396 has 2 MA's), (Start: 2 @12411 has 5 MA's), (4, 12432), (5, 12453), (7, 12462), (12, 12501), (13, 12522), (14, 12552), (15, 12582), (16, 12651), (18, 12687), (23, 12816), (24, 12840), (28, 12900), (29, 12921), (30, 12927), (33, 12999), (36, 13035),

Gene: Trax_21 Start: 12158, Stop: 12817, Start Num: 2
Candidate Starts for Trax_21:
(Start: 2 @12158 has 5 MA's), (6, 12206), (7, 12209), (13, 12269), (14, 12299), (16, 12398), (17, 12416), (18, 12434), (20, 12476), (21, 12494), (22, 12500), (26, 12617), (30, 12674), (32, 12695), (33, 12746), (34, 12752),