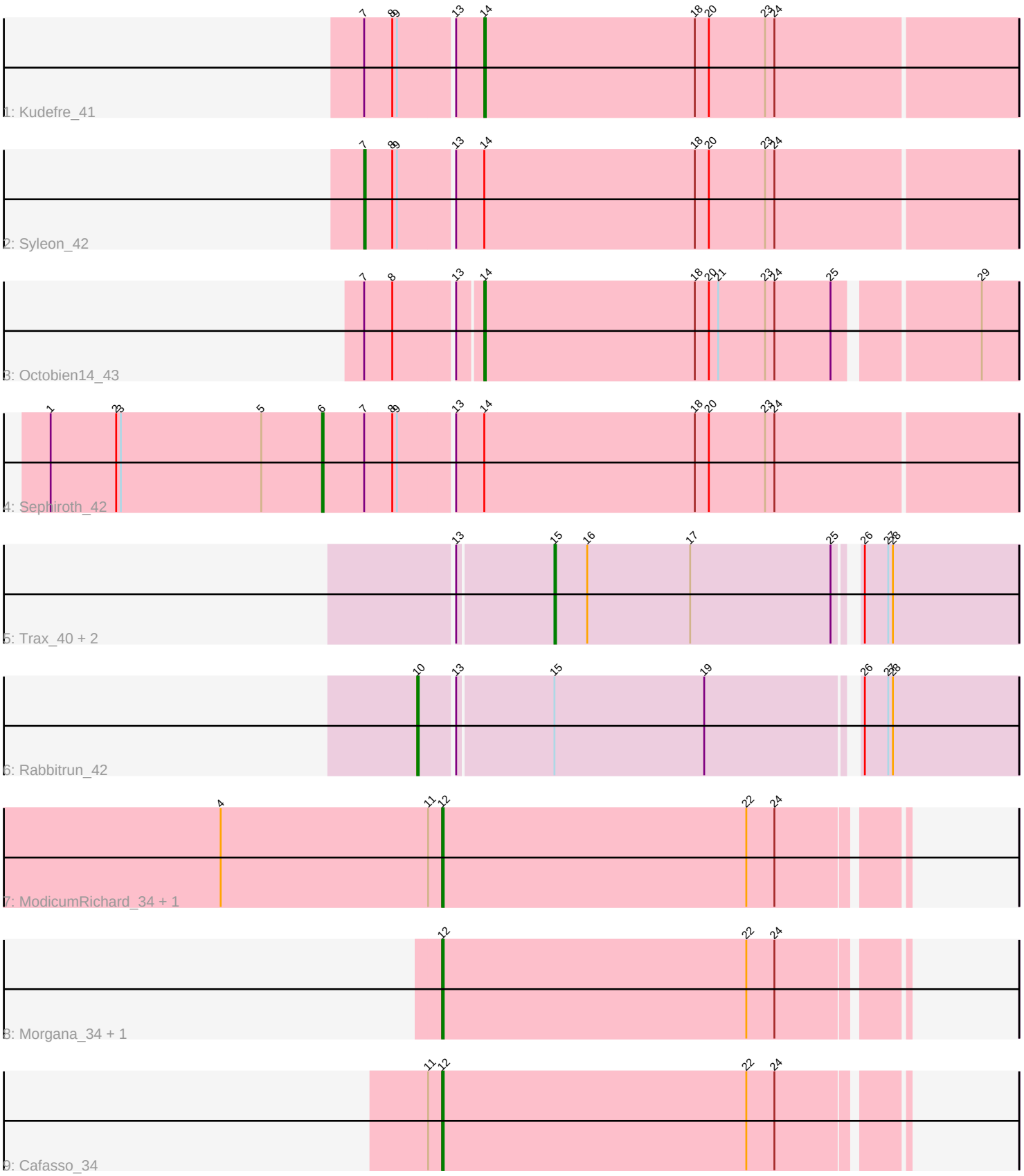
Pham 348189


1: Kudefre_41
2: Syleon_42
3: Octobien14_43
4: Sephiroth_42
5: Trax_40 + 2
6: Rabbitrun_42
7: ModicumRichard_34 + 1
8: Morgana_34 + 1
9: Cafasso_34

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 348189 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348189 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Kudefre_41
• Track 2 : Syleon_42
• Track 3 : Octobien14_43
• Track 4 : Sephiroth_42
• Track 5 : Trax_40, LilJank_40, Neville_40
• Track 6 : Rabbitrun_42
• Track 7 : ModicumRichard_34, Aleemily_33
• Track 8 : Morgana_34, ObLaDi_34
• Track 9 : Cafasso_34

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

The start number called the most often in the published annotations is 12, it was called in 5 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aleemily_33, Cafasso_34, ModicumRichard_34, Morgana_34, ObLaDi_34,

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

Genes that do not have the "Most Annotated" start:
• Kudefre_41, LilJank_40, Neville_40, Octobien14_43, Rabbitrun_42, Sephiroth_42, Syleon_42, Trax_40,

Summary by start number:

Start 6:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sephiroth_42 (DU1),

Start 7:

• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Syleon_42 (DU1),

Start 10:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rabbitrun_42 (DU2),

Start 12:
• Found in 5 of 13 (38.5%) of genes in pham
• Manual Annotations of this start: 5 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_33 (DZ), Cafasso_34 (DZ), ModicumRichard_34 (DZ), Morgana_34 (DZ), ObLaDi_34 (DZ),

Start 14:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Kudefre_41 (DU1), Octobien14_43 (DU1),

Start 15:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 3 of 13
• Called 75.0% of time when present
• Phage (with cluster) where this start called: LilJank_40 (DU2), Neville_40 (DU2), Trax_40 (DU2),

Summary by clusters:

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

Info for manual annotations of cluster DU1:
•Start number 6 was manually annotated 1 time for cluster DU1.
•Start number 7 was manually annotated 1 time for cluster DU1.
•Start number 14 was manually annotated 2 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 10 was manually annotated 1 time for cluster DU2.
•Start number 15 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DZ:
•Start number 12 was manually annotated 5 times for cluster DZ.

Gene Information:

Gene: Aleemily_33 Start: 28703, Stop: 28416, Start Num: 12

Candidate Starts for Aleemily_33:
(4, 28844), (11, 28712), (Start: 12 @28703 has 5 MA's), (22, 28508), (24, 28490),

Gene: Cafasso_34 Start: 29277, Stop: 28990, Start Num: 12
Candidate Starts for Cafasso_34:
(11, 29286), (Start: 12 @29277 has 5 MA's), (22, 29082), (24, 29064),

Gene: Kudefre_41 Start: 32903, Stop: 32565, Start Num: 14
Candidate Starts for Kudefre_41:
(Start: 7 @32975 has 1 MA's), (8, 32957), (9, 32954), (13, 32921), (Start: 14 @32903 has 2 MA's), (18, 32768), (20, 32759), (23, 32723), (24, 32717),

Gene: LilJank_40 Start: 33717, Stop: 33433, Start Num: 15
Candidate Starts for LilJank_40:
(13, 33777), (Start: 15 @33717 has 3 MA's), (16, 33696), (17, 33630), (25, 33540), (26, 33531), (27, 33516), (28, 33513),

Gene: ModicumRichard_34 Start: 29276, Stop: 28989, Start Num: 12
Candidate Starts for ModicumRichard_34:
(4, 29417), (11, 29285), (Start: 12 @29276 has 5 MA's), (22, 29081), (24, 29063),

Gene: Morgana_34 Start: 29032, Stop: 28745, Start Num: 12
Candidate Starts for Morgana_34:
(Start: 12 @29032 has 5 MA's), (22, 28837), (24, 28819),

Gene: Neville_40 Start: 33358, Stop: 33074, Start Num: 15
Candidate Starts for Neville_40:
(13, 33418), (Start: 15 @33358 has 3 MA's), (16, 33337), (17, 33271), (25, 33181), (26, 33172), (27, 33157), (28, 33154),

Gene: ObLaDi_34 Start: 29255, Stop: 28968, Start Num: 12
Candidate Starts for ObLaDi_34:
(Start: 12 @29255 has 5 MA's), (22, 29060), (24, 29042),

Gene: Octobien14_43 Start: 33598, Stop: 33269, Start Num: 14
Candidate Starts for Octobien14_43:
(Start: 7 @33667 has 1 MA's), (8, 33649), (13, 33613), (Start: 14 @33598 has 2 MA's), (18, 33463), (20, 33454), (21, 33448), (23, 33418), (24, 33412), (25, 33376), (29, 33292),

Gene: Rabbitrun_42 Start: 33899, Stop: 33534, Start Num: 10
Candidate Starts for Rabbitrun_42:
(Start: 10 @33899 has 1 MA's), (13, 33878), (Start: 15 @33818 has 3 MA's), (19, 33722), (26, 33632), (27, 33617), (28, 33614),

Gene: Sephiroth_42 Start: 33173, Stop: 32736, Start Num: 6
Candidate Starts for Sephiroth_42:
(1, 33347), (2, 33305), (3, 33302), (5, 33212), (Start: 6 @33173 has 1 MA's), (Start: 7 @33146 has 1 MA's), (8, 33128), (9, 33125), (13, 33092), (Start: 14 @33074 has 2 MA's), (18, 32939), (20, 32930), (23, 32894), (24, 32888),

Gene: Syleon_42 Start: 33067, Stop: 32657, Start Num: 7
Candidate Starts for Syleon_42:

(Start: 7 @33067 has 1 MA's), (8, 33049), (9, 33046), (13, 33013), (Start: 14 @32995 has 2 MA's), (18, 32860), (20, 32851), (23, 32815), (24, 32809),

Gene: Trax_40 Start: 33664, Stop: 33380, Start Num: 15
Candidate Starts for Trax_40:
(13, 33724), (Start: 15 @33664 has 3 MA's), (16, 33643), (17, 33577), (25, 33487), (26, 33478), (27, 33463), (28, 33460),