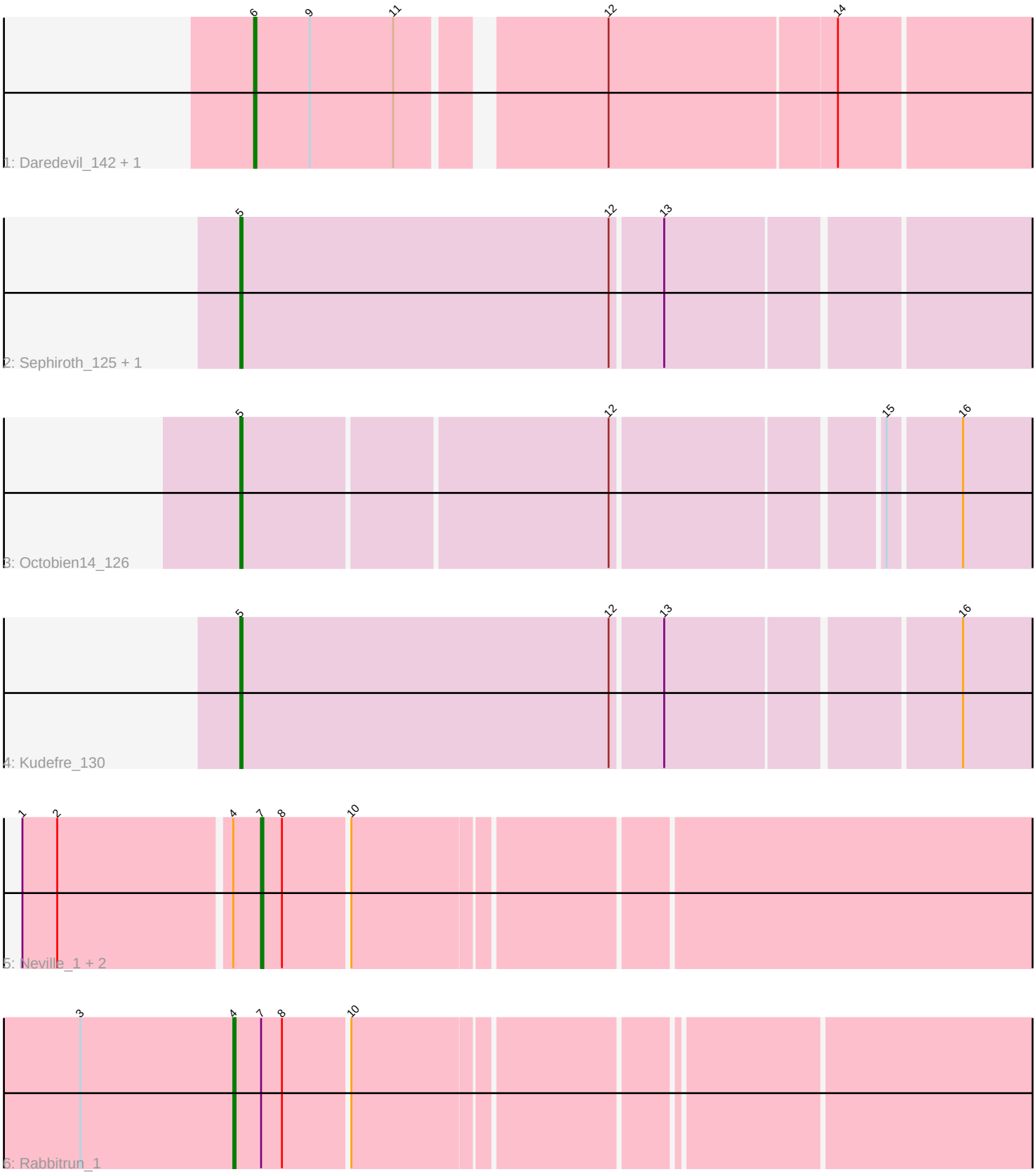
Pham 291765


6
9
11
12
14
1: Daredevil_142 + 1
5
12
13
2: Sephiroth_125 + 1
5
12
15
16
3: Octobien14_126
5
12
13
16
4: Kudefre_130
1
2
4
7
8
10
5: Neville_1 + 2
3
4
7
8
10
6: Rabbitrun_1

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 291765 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291765 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Daredevil_142, Towmatter_139
• Track 2 : Sephiroth_125, Syleon_130
• Track 3 : Octobien14_126
• Track 4 : Kudefre_130
• Track 5 : Neville_1, LilJank_1, Trax_1
• Track 6 : Rabbitrun_1

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Kudefre_130, Octobien14_126, Sephiroth_125, Syleon_130,

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

Genes that do not have the "Most Annotated" start:
• Daredevil_142, LilJank_1, Neville_1, Rabbitrun_1, Towmatter_139, Trax_1,

Summary by start number:

Start 4:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Rabbitrun_1 (DU2),

Start 5:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Kudefre_130 (DU1), Octobien14_126 (DU1), Sephiroth_125 (DU1), Syleon_130 (DU1),

Start 6:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daredevil_142 (DL), Towmatter_139 (DL),

Start 7:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 75.0% of time when present
• Phage (with cluster) where this start called: LilJank_1 (DU2), Neville_1 (DU2), Trax_1 (DU2),

Summary by clusters:

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

Info for manual annotations of cluster DL:
•Start number 6 was manually annotated 2 times for cluster DL.

Info for manual annotations of cluster DU1:
•Start number 5 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 4 was manually annotated 1 time for cluster DU2.
•Start number 7 was manually annotated 2 times for cluster DU2.

Gene Information:

Gene: Daredevil_142 Start: 80942, Stop: 80583, Start Num: 6
Candidate Starts for Daredevil_142:
(Start: 6 @80942 has 2 MA's), (9, 80918), (11, 80882), (12, 80804), (14, 80708),

Gene: Kudefre_130 Start: 70230, Stop: 69889, Start Num: 5
Candidate Starts for Kudefre_130:
(Start: 5 @70230 has 4 MA's), (12, 70071), (13, 70050), (16, 69930),

Gene: LilJank_1 Start: 535, Stop: 197, Start Num: 7
Candidate Starts for LilJank_1:
(1, 634), (2, 619), (Start: 4 @547 has 1 MA's), (Start: 7 @535 has 2 MA's), (8, 526), (10, 499),

Gene: Neville_1 Start: 485, Stop: 147, Start Num: 7
Candidate Starts for Neville_1:
(1, 584), (2, 569), (Start: 4 @497 has 1 MA's), (Start: 7 @485 has 2 MA's), (8, 476), (10, 449),

Gene: Octobien14_126 Start: 68767, Stop: 68426, Start Num: 5
Candidate Starts for Octobien14_126:

(Start: 5 @68767 has 4 MA's), (12, 68614), (15, 68506), (16, 68476),

Gene: Rabbitrun_1 Start: 477, Stop: 136, Start Num: 4
Candidate Starts for Rabbitrun_1:
(3, 543), (Start: 4 @477 has 1 MA's), (Start: 7 @465 has 2 MA's), (8, 456), (10, 429),

Gene: Sephiroth_125 Start: 70000, Stop: 69659, Start Num: 5
Candidate Starts for Sephiroth_125:
(Start: 5 @70000 has 4 MA's), (12, 69841), (13, 69820),

Gene: Syleon_130 Start: 70751, Stop: 70410, Start Num: 5
Candidate Starts for Syleon_130:
(Start: 5 @70751 has 4 MA's), (12, 70592), (13, 70571),

Gene: Towmatter_139 Start: 81023, Stop: 80664, Start Num: 6
Candidate Starts for Towmatter_139:
(Start: 6 @81023 has 2 MA's), (9, 80999), (11, 80963), (12, 80885), (14, 80789),

Gene: Trax_1 Start: 485, Stop: 147, Start Num: 7
Candidate Starts for Trax_1:
(1, 584), (2, 569), (Start: 4 @497 has 1 MA's), (Start: 7 @485 has 2 MA's), (8, 476), (10, 449),