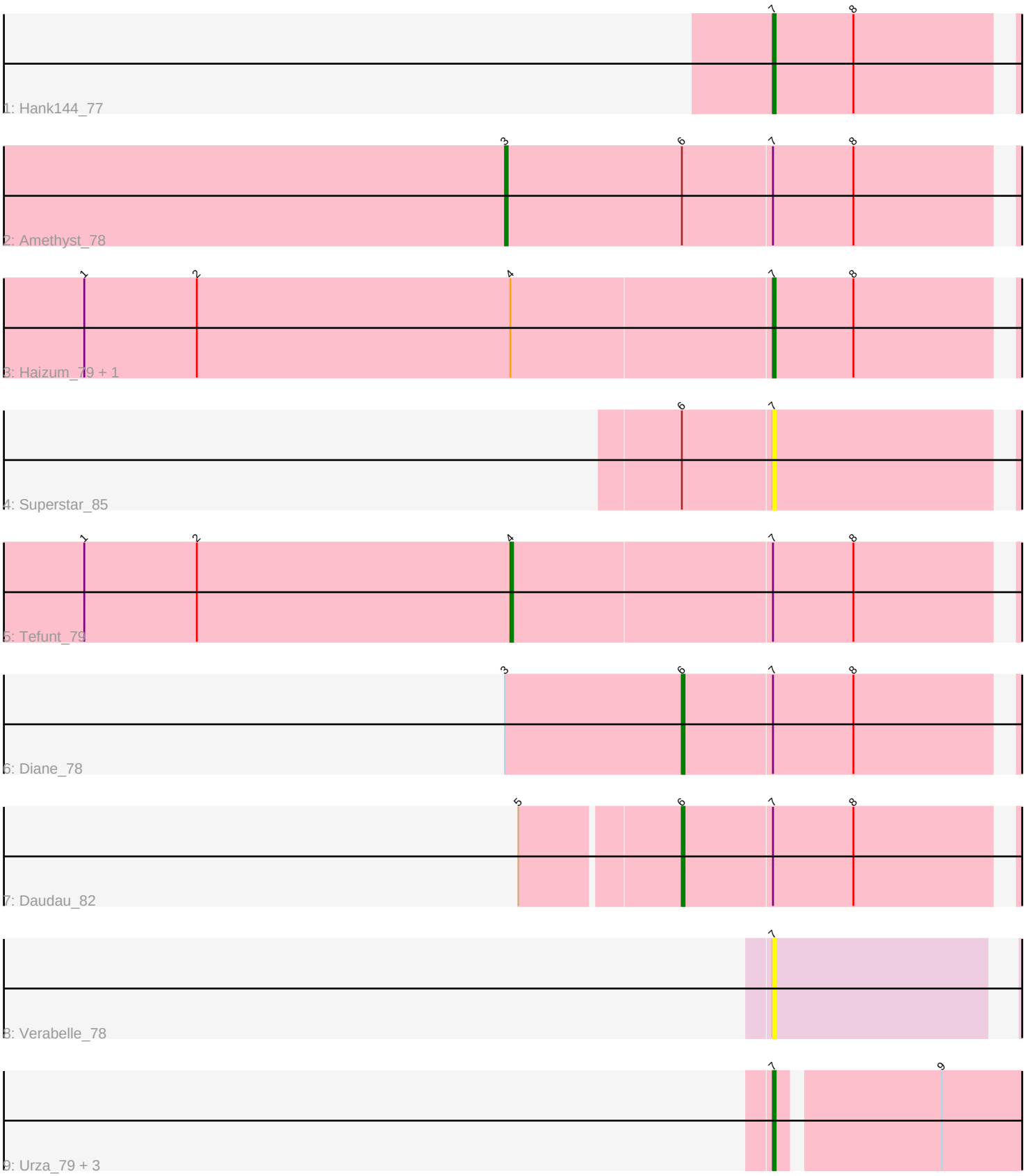
Pham 216703


7
8
1: Hank144_77
3
6
7
8
2: Amethyst_78
1
2
4
7
8
3: Haizum_79 + 1
6
7
4: Superstar_85
1
2
4
7
8
5: Tefunt_79
3
6
7
8
6: Diane_78
5
6
7
8
7: Daudau_82
7
8: Verabelle_78
7
9
9: Urza_79 + 3

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 216703 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216703 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Hank144_77
• Track 2 : Amethyst_78
• Track 3 : Haizum_79, Nishikigoi_80
• Track 4 : Superstar_85
• Track 5 : Tefunt_79
• Track 6 : Diane_78
• Track 7 : Daudau_82
• Track 8 : Verabelle_78
• Track 9 : Urza_79, Celia_77, Itza_80, VieEnRose_78

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

The start number called the most often in the published annotations is 7, it was called in 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Celia_77, Haizum_79, Hank144_77, Itza_80, Nishikigoi_80, Superstar_85, Urza_79, Verabelle_78, VieEnRose_78,

Genes that have the "Most Annotated" start but do not call it:
• Amethyst_78, Daudau_82, Diane_78, Tefunt_79,

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

Summary by start number:

Start 3:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Amethyst_78 (BD2),

Start 4:

• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Tefunt_79 (BD2),

Start 6:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Daudau_82 (BD2), Diane_78 (BD2),

Start 7:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 11
• Called 69.2% of time when present
• Phage (with cluster) where this start called: Celia_77 (BD6), Haizum_79 (BD2), Hank144_77 (BD2), Itza_80 (BD6), Nishikigoi_80 (BD2), Superstar_85 (BD2), Urza_79 (BD6), Verabelle_78 (BD3), VieEnRose_78 (BD6),

Summary by clusters:

There are 3 clusters represented in this pham: BD6, BD3, BD2,

Info for manual annotations of cluster BD2:
•Start number 3 was manually annotated 1 time for cluster BD2.
•Start number 4 was manually annotated 1 time for cluster BD2.
•Start number 6 was manually annotated 2 times for cluster BD2.
•Start number 7 was manually annotated 3 times for cluster BD2.

Info for manual annotations of cluster BD6:
•Start number 7 was manually annotated 4 times for cluster BD6.

Gene Information:

Gene: Amethyst_78 Start: 47975, Stop: 47742, Start Num: 3
Candidate Starts for Amethyst_78:
(Start: 3 @47975 has 1 MA's), (Start: 6 @47909 has 2 MA's), (Start: 7 @47876 has 7 MA's), (8, 47846),

Gene: Celia_77 Start: 48939, Stop: 48802, Start Num: 7
Candidate Starts for Celia_77:
(Start: 7 @48939 has 7 MA's), (9, 48882),

Gene: Daudau_82 Start: 49046, Stop: 48876, Start Num: 6
Candidate Starts for Daudau_82:
(5, 49103), (Start: 6 @49046 has 2 MA's), (Start: 7 @49013 has 7 MA's), (8, 48983),

Gene: Diane_78 Start: 49046, Stop: 48879, Start Num: 6
Candidate Starts for Diane_78:

(Start: 3 @49112 has 1 MA's), (Start: 6 @49046 has 2 MA's), (Start: 7 @49013 has 7 MA's), (8, 48983),

Gene: Haizum_79 Start: 49013, Stop: 48879, Start Num: 7
Candidate Starts for Haizum_79:
(1, 49268), (2, 49226), (Start: 4 @49109 has 1 MA's), (Start: 7 @49013 has 7 MA's), (8, 48983),

Gene: Hank144_77 Start: 49050, Stop: 48916, Start Num: 7
Candidate Starts for Hank144_77:
(Start: 7 @49050 has 7 MA's), (8, 49020),

Gene: Itza_80 Start: 48872, Stop: 48735, Start Num: 7
Candidate Starts for Itza_80:
(Start: 7 @48872 has 7 MA's), (9, 48815),

Gene: Nishikigoi_80 Start: 49013, Stop: 48879, Start Num: 7
Candidate Starts for Nishikigoi_80:
(1, 49268), (2, 49226), (Start: 4 @49109 has 1 MA's), (Start: 7 @49013 has 7 MA's), (8, 48983),

Gene: Superstar_85 Start: 48841, Stop: 48707, Start Num: 7
Candidate Starts for Superstar_85:
(Start: 6 @48874 has 2 MA's), (Start: 7 @48841 has 7 MA's),

Gene: Tefunt_79 Start: 49023, Stop: 48793, Start Num: 4
Candidate Starts for Tefunt_79:
(1, 49182), (2, 49140), (Start: 4 @49023 has 1 MA's), (Start: 7 @48927 has 7 MA's), (8, 48897),

Gene: Urza_79 Start: 48894, Stop: 48757, Start Num: 7
Candidate Starts for Urza_79:
(Start: 7 @48894 has 7 MA's), (9, 48837),

Gene: Verabelle_78 Start: 46871, Stop: 46743, Start Num: 7
Candidate Starts for Verabelle_78:
(Start: 7 @46871 has 7 MA's),

Gene: VieEnRose_78 Start: 48631, Stop: 48494, Start Num: 7
Candidate Starts for VieEnRose_78:
(Start: 7 @48631 has 7 MA's), (9, 48574),