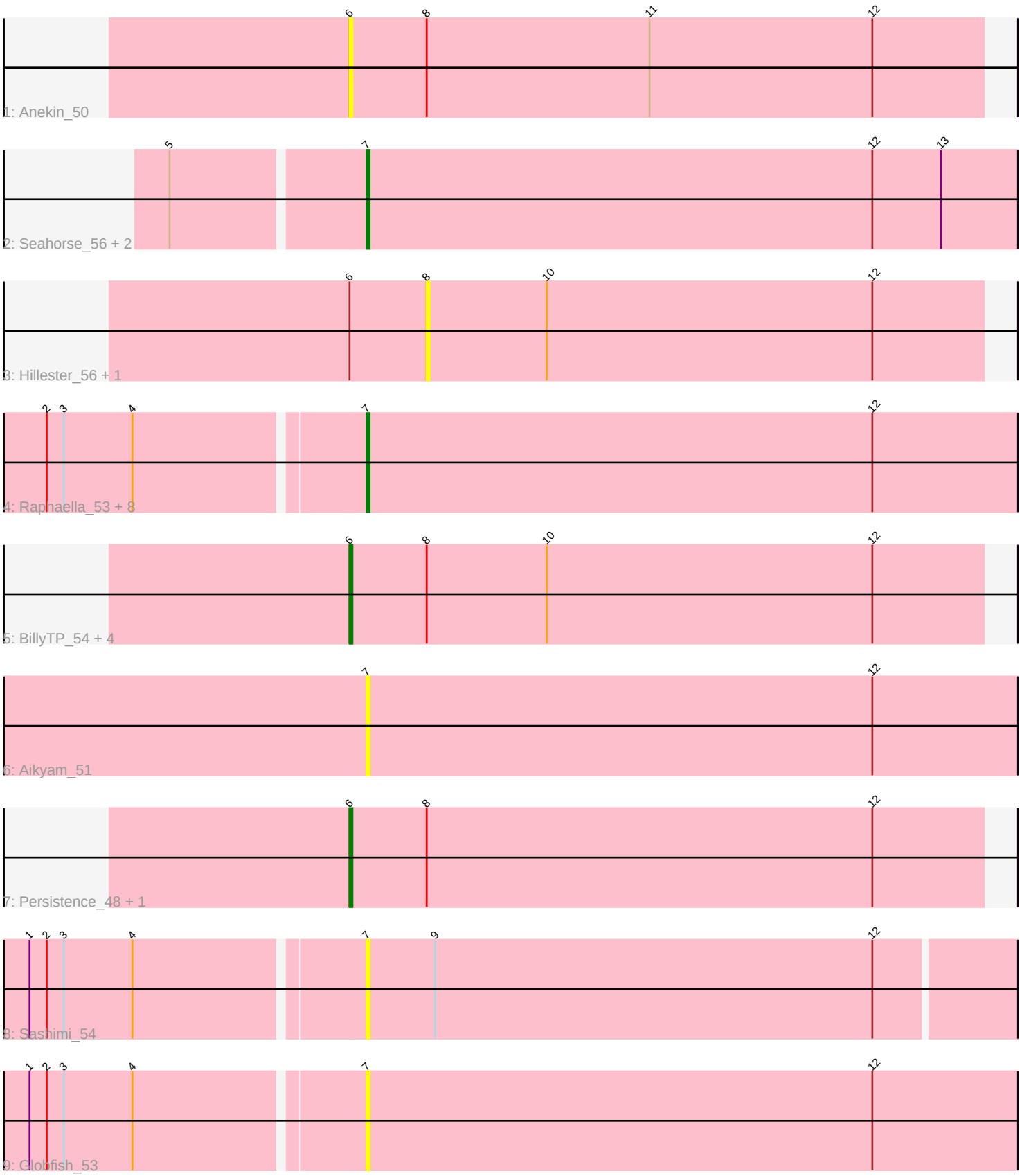
Pham 70795


6
8
11
12
1: Anekin_50
5
7
12
13
2: Seahorse_56 + 2
6
8
10
12
3: Hillester_56 + 1
2
3
4
7
12
4: Raphaella_53 + 8
6
8
10
12
5: BillyTP_54 + 4
7
12
6: Aikyam_51
6
8
12
7: Persistence_48 + 1
1
2
3
4
7
9
12
8: Sashimi_54
1
2
3
4
7
12
9: Globfish_53

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 70795 Report

This analysis was run 04/05/24 on database version 557.

Pham number 70795 has 25 members, 13 are drafts.

Phages represented in each track:
• Track 1 : Anekin_50
• Track 2 : Seahorse_56, AbbyDaisy_52, Auxilium_49
• Track 3 : Hillester_56, BenchScraper_51
• Track 4 : Raphaella_53, Sakai_52, Richie_55, CookieBear_53, Isolde_52, Tiff81_53, EvePickles_49, Gorpy_53, YoungHarleezy_53
• Track 5 : BillyTP_54, Faja_53, MidnightRain_56, Raqqa_44, RadFad_56
• Track 6 : Aikyam_51
• Track 7 : Persistence_48, Phrank15_54
• Track 8 : Sashimi_54
• Track 9 : Globfish_53

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 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_52, Aikyam_51, Auxilium_49, CookieBear_53, EvePickles_49, Globfish_53, Gorpy_53, Isolde_52, Raphaella_53, Richie_55, Sakai_52, Sashimi_54, Seahorse_56, Tiff81_53, YoungHarleezy_53,

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

Genes that do not have the "Most Annotated" start:
• Anekin_50, BenchScraper_51, BillyTP_54, Faja_53, Hillester_56, MidnightRain_56, Persistence_48, Phrank15_54, RadFad_56, Raqqa_44,

Summary by start number:

Start 6:
• Found in 10 of 25 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 80.0% of time when present

• Phage (with cluster) where this start called: Anekin_50 (AY), BillyTP_54 (AY), Faja_53 (AY), MidnightRain_56 (AY), Persistence_48 (AY), Phrank15_54 (AY), RadFad_56 (AY), Raqqa_44 (AY),

Start 7:
• Found in 15 of 25 (60.0%) of genes in pham
• Manual Annotations of this start: 8 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_52 (AY), Aikyam_51 (AY), Auxilium_49 (AY), CookieBear_53 (AY), EvePickles_49 (AY), Globfish_53 (AY), Gorpy_53 (AY), Isolde_52 (AY), Raphaella_53 (AY), Richie_55 (AY), Sakai_52 (AY), Sashimi_54 (AY), Seahorse_56 (AY), Tiff81_53 (AY), YoungHarleezy_53 (AY),

Start 8:
• Found in 10 of 25 (40.0%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: BenchScraper_51 (AY), Hillester_56 (AY),

Summary by clusters:

There is one cluster represented in this pham: AY

Info for manual annotations of cluster AY:
•Start number 6 was manually annotated 4 times for cluster AY.
•Start number 7 was manually annotated 8 times for cluster AY.

Gene Information:

Gene: AbbyDaisy_52 Start: 32609, Stop: 32836, Start Num: 7
Candidate Starts for AbbyDaisy_52:
(5, 32549), (Start: 7 @32609 has 8 MA's), (12, 32786), (13, 32810),

Gene: Aikyam_51 Start: 30322, Stop: 30549, Start Num: 7
Candidate Starts for Aikyam_51:
(Start: 7 @30322 has 8 MA's), (12, 30499),

Gene: Anekin_50 Start: 31709, Stop: 31930, Start Num: 6
Candidate Starts for Anekin_50:
(Start: 6 @31709 has 4 MA's), (8, 31736), (11, 31814), (12, 31892),

Gene: Auxilium_49 Start: 29880, Stop: 30107, Start Num: 7
Candidate Starts for Auxilium_49:
(5, 29820), (Start: 7 @29880 has 8 MA's), (12, 30057), (13, 30081),

Gene: BenchScraper_51 Start: 31622, Stop: 31816, Start Num: 8
Candidate Starts for BenchScraper_51:
(Start: 6 @31595 has 4 MA's), (8, 31622), (10, 31664), (12, 31778),

Gene: BillyTP_54 Start: 33466, Stop: 33687, Start Num: 6

Candidate Starts for BillyTP_54:
(Start: 6 @33466 has 4 MA's), (8, 33493), (10, 33535), (12, 33649),

Gene: CookieBear_53 Start: 32302, Stop: 32529, Start Num: 7
Candidate Starts for CookieBear_53:
(2, 32200), (3, 32206), (4, 32230), (Start: 7 @32302 has 8 MA's), (12, 32479),

Gene: EvePickles_49 Start: 32502, Stop: 32729, Start Num: 7
Candidate Starts for EvePickles_49:
(2, 32400), (3, 32406), (4, 32430), (Start: 7 @32502 has 8 MA's), (12, 32679),

Gene: Faja_53 Start: 33434, Stop: 33655, Start Num: 6
Candidate Starts for Faja_53:
(Start: 6 @33434 has 4 MA's), (8, 33461), (10, 33503), (12, 33617),

Gene: Globfish_53 Start: 32401, Stop: 32628, Start Num: 7
Candidate Starts for Globfish_53:
(1, 32293), (2, 32299), (3, 32305), (4, 32329), (Start: 7 @32401 has 8 MA's), (12, 32578),

Gene: Gorpy_53 Start: 33294, Stop: 33521, Start Num: 7
Candidate Starts for Gorpy_53:
(2, 33192), (3, 33198), (4, 33222), (Start: 7 @33294 has 8 MA's), (12, 33471),

Gene: Hillester_56 Start: 33219, Stop: 33413, Start Num: 8
Candidate Starts for Hillester_56:
(Start: 6 @33192 has 4 MA's), (8, 33219), (10, 33261), (12, 33375),

Gene: Isolde_52 Start: 31971, Stop: 32198, Start Num: 7
Candidate Starts for Isolde_52:
(2, 31869), (3, 31875), (4, 31899), (Start: 7 @31971 has 8 MA's), (12, 32148),

Gene: MidnightRain_56 Start: 33373, Stop: 33594, Start Num: 6
Candidate Starts for MidnightRain_56:
(Start: 6 @33373 has 4 MA's), (8, 33400), (10, 33442), (12, 33556),

Gene: Persistence_48 Start: 30988, Stop: 31209, Start Num: 6
Candidate Starts for Persistence_48:
(Start: 6 @30988 has 4 MA's), (8, 31015), (12, 31171),

Gene: Phrank15_54 Start: 32217, Stop: 32432, Start Num: 6
Candidate Starts for Phrank15_54:
(Start: 6 @32217 has 4 MA's), (8, 32244), (12, 32400),

Gene: RadFad_56 Start: 33192, Stop: 33413, Start Num: 6
Candidate Starts for RadFad_56:
(Start: 6 @33192 has 4 MA's), (8, 33219), (10, 33261), (12, 33375),

Gene: Raphaella_53 Start: 31903, Stop: 32130, Start Num: 7
Candidate Starts for Raphaella_53:
(2, 31801), (3, 31807), (4, 31831), (Start: 7 @31903 has 8 MA's), (12, 32080),

Gene: Raqqa_44 Start: 29057, Stop: 29278, Start Num: 6
Candidate Starts for Raqqa_44:

(Start: 6 @29057 has 4 MA's), (8, 29084), (10, 29126), (12, 29240),

Gene: Richie_55 Start: 32972, Stop: 33199, Start Num: 7
Candidate Starts for Richie_55:
(2, 32870), (3, 32876), (4, 32900), (Start: 7 @32972 has 8 MA's), (12, 33149),

Gene: Sakai_52 Start: 32005, Stop: 32232, Start Num: 7
Candidate Starts for Sakai_52:
(2, 31903), (3, 31909), (4, 31933), (Start: 7 @32005 has 8 MA's), (12, 32182),

Gene: Sashimi_54 Start: 33239, Stop: 33463, Start Num: 7
Candidate Starts for Sashimi_54:
(1, 33131), (2, 33137), (3, 33143), (4, 33167), (Start: 7 @33239 has 8 MA's), (9, 33263), (12, 33416),

Gene: Seahorse_56 Start: 34238, Stop: 34465, Start Num: 7
Candidate Starts for Seahorse_56:
(5, 34178), (Start: 7 @34238 has 8 MA's), (12, 34415), (13, 34439),

Gene: Tiff81_53 Start: 30416, Stop: 30643, Start Num: 7
Candidate Starts for Tiff81_53:
(2, 30314), (3, 30320), (4, 30344), (Start: 7 @30416 has 8 MA's), (12, 30593),

Gene: YoungHarleezy_53 Start: 32469, Stop: 32696, Start Num: 7
Candidate Starts for YoungHarleezy_53:
(2, 32367), (3, 32373), (4, 32397), (Start: 7 @32469 has 8 MA's), (12, 32646),