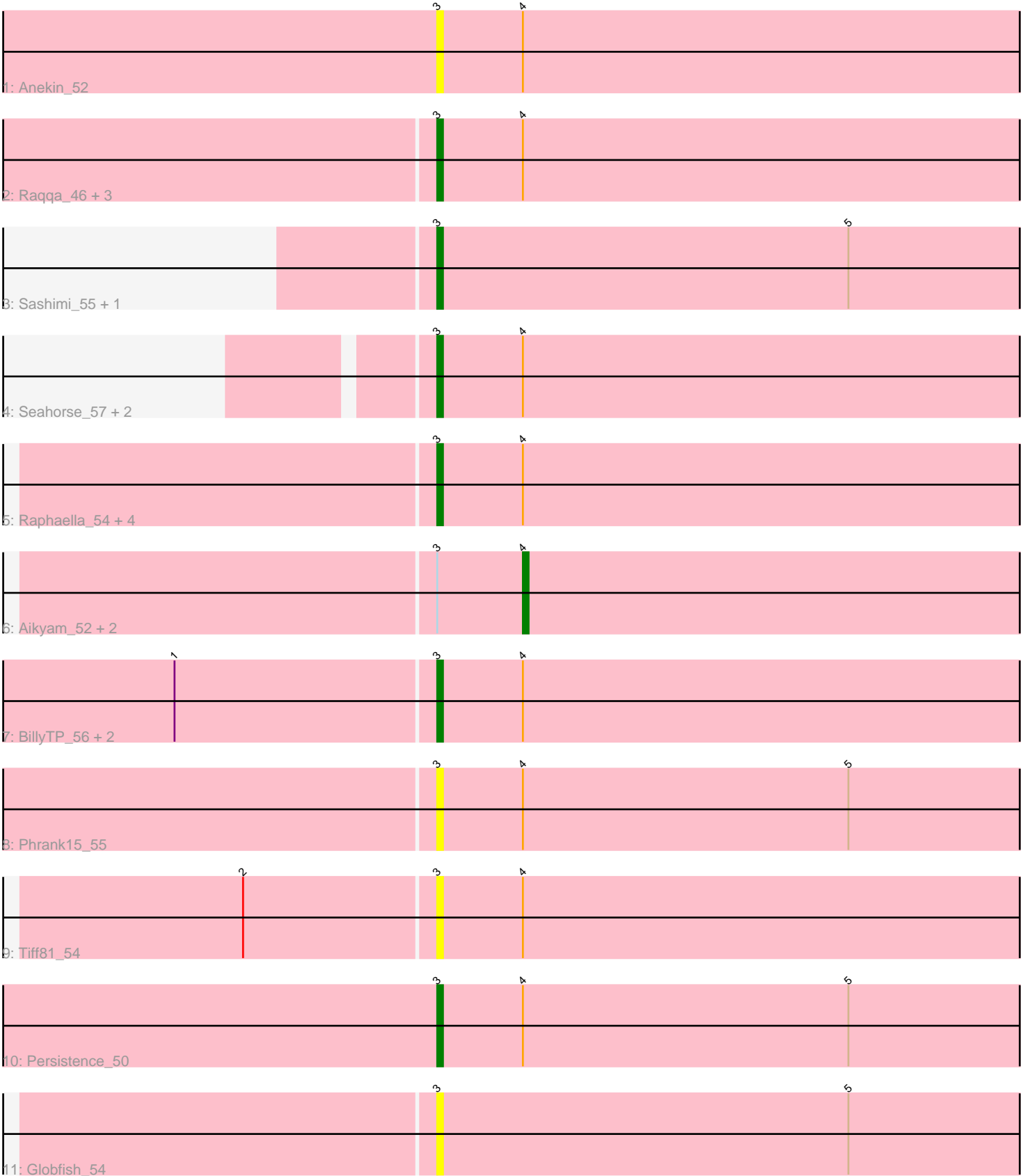


Pham 86877



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 86877 Report

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

Pham number 86877 has 25 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Anekin_52
- Track 2 : Raqqa_46, Hillester_58, BenchScraper_53, RadFad_58
- Track 3 : Sashimi_55, EvePickles_50
- Track 4 : Seahorse_57, Auxilium_50, AbbyDaisy_53
- Track 5 : Raphaella_54, Sakai_53, CookieBear_54, Isolde_53, Gorpy_54
- Track 6 : Aikyam_52, Richie_56, YoungHarleezy_54
- Track 7 : BillyTP_56, Faja_55, MidnightRain_58
- Track 8 : Phrank15_55
- Track 9 : Tiff81_54
- Track 10 : Persistence_50
- Track 11 : Globfish_54

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyDaisy_53, Anekin_52, Auxilium_50, BenchScraper_53, BillyTP_56, CookieBear_54, EvePickles_50, Faja_55, Globfish_54, Gorpy_54, Hillester_58, Isolde_53, MidnightRain_58, Persistence_50, Phrank15_55, RadFad_58, Raphaella_54, Raqqa_46, Sakai_53, Sashimi_55, Seahorse_57, Tiff81_54,

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

- Aikyam_52, Richie_56, YoungHarleezy_54,

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

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Summary by start number:

Start 3:

- Found in 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 12

- Called 88.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_53 (AY), Anekin_52 (AY), Auxilium_50 (AY), BenchScraper_53 (AY), BillyTP_56 (AY), CookieBear_54 (AY), EvePickles_50 (AY), Faja_55 (AY), Globfish_54 (AY), Gorpy_54 (AY), Hillester_58 (AY), Isolde_53 (AY), MidnightRain_58 (AY), Persistence_50 (AY), Phrank15_55 (AY), RadFad_58 (AY), Raphaella_54 (AY), Raqqa_46 (AY), Sakai_53 (AY), Sashimi_55 (AY), Seahorse_57 (AY), Tiff81_54 (AY),

Start 4:

- Found in 22 of 25 (88.0%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 13.6% of time when present
- Phage (with cluster) where this start called: Aikyam_52 (AY), Richie_56 (AY), YoungHarleezy_54 (AY),

Summary by clusters:

There is one cluster represented in this pham: AY

Info for manual annotations of cluster AY:

- Start number 3 was manually annotated 11 times for cluster AY.
- Start number 4 was manually annotated 1 time for cluster AY.

Gene Information:

Gene: AbbyDaisy_53 Start: 32841, Stop: 33065, Start Num: 3

Candidate Starts for AbbyDaisy_53:

(Start: 3 @32841 has 11 MA's), (Start: 4 @32856 has 1 MA's),

Gene: Aikyam_52 Start: 30569, Stop: 30778, Start Num: 4

Candidate Starts for Aikyam_52:

(Start: 3 @30554 has 11 MA's), (Start: 4 @30569 has 1 MA's),

Gene: Anekin_52 Start: 32394, Stop: 32618, Start Num: 3

Candidate Starts for Anekin_52:

(Start: 3 @32394 has 11 MA's), (Start: 4 @32409 has 1 MA's),

Gene: Auxilium_50 Start: 30112, Stop: 30336, Start Num: 3

Candidate Starts for Auxilium_50:

(Start: 3 @30112 has 11 MA's), (Start: 4 @30127 has 1 MA's),

Gene: BenchScraper_53 Start: 32279, Stop: 32503, Start Num: 3

Candidate Starts for BenchScraper_53:

(Start: 3 @32279 has 11 MA's), (Start: 4 @32294 has 1 MA's),

Gene: BillyTP_56 Start: 34150, Stop: 34374, Start Num: 3

Candidate Starts for BillyTP_56:

(1, 34105), (Start: 3 @34150 has 11 MA's), (Start: 4 @34165 has 1 MA's),

Gene: CookieBear_54 Start: 32534, Stop: 32758, Start Num: 3

Candidate Starts for CookieBear_54:

(Start: 3 @32534 has 11 MA's), (Start: 4 @32549 has 1 MA's),

Gene: EvePickles_50 Start: 32734, Stop: 32958, Start Num: 3

Candidate Starts for EvePickles_50:

(Start: 3 @32734 has 11 MA's), (5, 32806),

Gene: Faja_55 Start: 34118, Stop: 34342, Start Num: 3

Candidate Starts for Faja_55:

(1, 34073), (Start: 3 @34118 has 11 MA's), (Start: 4 @34133 has 1 MA's),

Gene: Globfish_54 Start: 32633, Stop: 32857, Start Num: 3

Candidate Starts for Globfish_54:

(Start: 3 @32633 has 11 MA's), (5, 32705),

Gene: Gorpy_54 Start: 33526, Stop: 33750, Start Num: 3

Candidate Starts for Gorpy_54:

(Start: 3 @33526 has 11 MA's), (Start: 4 @33541 has 1 MA's),

Gene: Hillester_58 Start: 33876, Stop: 34100, Start Num: 3

Candidate Starts for Hillester_58:

(Start: 3 @33876 has 11 MA's), (Start: 4 @33891 has 1 MA's),

Gene: Isolde_53 Start: 32203, Stop: 32427, Start Num: 3

Candidate Starts for Isolde_53:

(Start: 3 @32203 has 11 MA's), (Start: 4 @32218 has 1 MA's),

Gene: MidnightRain_58 Start: 34057, Stop: 34281, Start Num: 3

Candidate Starts for MidnightRain_58:

(1, 34012), (Start: 3 @34057 has 11 MA's), (Start: 4 @34072 has 1 MA's),

Gene: Persistence_50 Start: 31673, Stop: 31897, Start Num: 3

Candidate Starts for Persistence_50:

(Start: 3 @31673 has 11 MA's), (Start: 4 @31688 has 1 MA's), (5, 31745),

Gene: Phrank15_55 Start: 32437, Stop: 32661, Start Num: 3

Candidate Starts for Phrank15_55:

(Start: 3 @32437 has 11 MA's), (Start: 4 @32452 has 1 MA's), (5, 32509),

Gene: RadFad_58 Start: 33876, Stop: 34100, Start Num: 3

Candidate Starts for RadFad_58:

(Start: 3 @33876 has 11 MA's), (Start: 4 @33891 has 1 MA's),

Gene: Raphaella_54 Start: 32135, Stop: 32359, Start Num: 3

Candidate Starts for Raphaella_54:

(Start: 3 @32135 has 11 MA's), (Start: 4 @32150 has 1 MA's),

Gene: Raqqa_46 Start: 29741, Stop: 29965, Start Num: 3

Candidate Starts for Raqqa_46:

(Start: 3 @29741 has 11 MA's), (Start: 4 @29756 has 1 MA's),

Gene: Richie_56 Start: 33219, Stop: 33428, Start Num: 4

Candidate Starts for Richie_56:

(Start: 3 @33204 has 11 MA's), (Start: 4 @33219 has 1 MA's),

Gene: Sakai_53 Start: 32237, Stop: 32461, Start Num: 3
Candidate Starts for Sakai_53:
(Start: 3 @32237 has 11 MA's), (Start: 4 @32252 has 1 MA's),

Gene: Sashimi_55 Start: 33468, Stop: 33692, Start Num: 3
Candidate Starts for Sashimi_55:
(Start: 3 @33468 has 11 MA's), (5, 33540),

Gene: Seahorse_57 Start: 34470, Stop: 34694, Start Num: 3
Candidate Starts for Seahorse_57:
(Start: 3 @34470 has 11 MA's), (Start: 4 @34485 has 1 MA's),

Gene: Tiff81_54 Start: 30648, Stop: 30872, Start Num: 3
Candidate Starts for Tiff81_54:
(2, 30615), (Start: 3 @30648 has 11 MA's), (Start: 4 @30663 has 1 MA's),

Gene: YoungHarleezy_54 Start: 32716, Stop: 32925, Start Num: 4
Candidate Starts for YoungHarleezy_54:
(Start: 3 @32701 has 11 MA's), (Start: 4 @32716 has 1 MA's),