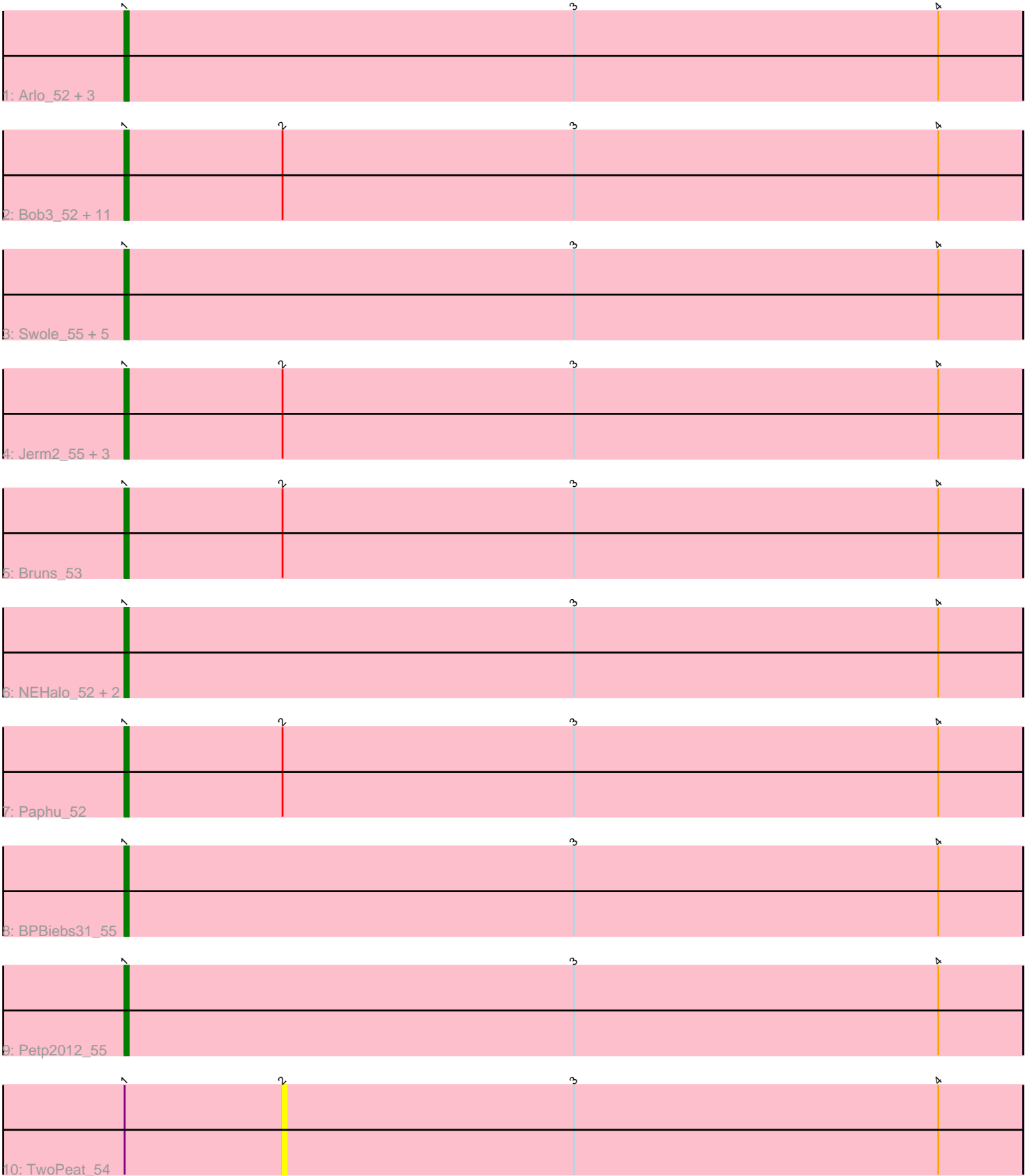


Pham 2571



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 2571 Report

This analysis was run 04/28/24 on database version 559.

Pham number 2571 has 34 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Arlo_52, Zephyr_54, Pari_56, PattyP_54
- Track 2 : Bob3_52, Museum_55, Molly_55, Rufus_55, PSullivan_54, Rubeus_54, Smeagol_56, Pita2_57, Sibs6_56, Burton_54, Pinto_54, Lopton_54
- Track 3 : Swole_55, Tote_50, BaconJack_56, JuliaChild_55, Ichabod_57, Tripl3t_54
- Track 4 : Jerm2_55, BigMau_55, HermioneGrange_54, Rohr_55
- Track 5 : Bruns_53
- Track 6 : NEHalo_52, Arcanine_55, Slagathor_56
- Track 7 : Paphu_52
- Track 8 : BPBiebs31_55
- Track 9 : Petp2012_55
- Track 10 : TwoPeat_54

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

The start number called the most often in the published annotations is 1, it was called in 31 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arcanine_55, Arlo_52, BPBiebs31_55, BaconJack_56, BigMau_55, Bob3_52, Bruns_53, Burton_54, HermioneGrange_54, Ichabod_57, Jerm2_55, JuliaChild_55, Lopton_54, Molly_55, Museum_55, NEHalo_52, PSullivan_54, Paphu_52, Pari_56, PattyP_54, Petp2012_55, Pinto_54, Pita2_57, Rohr_55, Rubeus_54, Rufus_55, Sibs6_56, Slagathor_56, Smeagol_56, Swole_55, Tote_50, Tripl3t_54, Zephyr_54,

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

- TwoPeat_54,

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

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Summary by start number:

Start 1:

- Found in 34 of 34 (100.0%) of genes in pham

- Manual Annotations of this start: 31 of 31
- Called 97.1% of time when present
- Phage (with cluster) where this start called: Arcanine_55 (A1), Arlo_52 (A1), BPBiebs31_55 (A1), BaconJack_56 (A1), BigMau_55 (A1), Bob3_52 (A1), Bruns_53 (A1), Burton_54 (A1), HermioneGrange_54 (A1), Ichabod_57 (A1), Jerm2_55 (A1), JuliaChild_55 (A1), Lopton_54 (A1), Molly_55 (A1), Museum_55 (A1), NEHalo_52 (A1), PSullivan_54 (A1), Paphu_52 (A1), Pari_56 (A1), PattyP_54 (A1), Petp2012_55 (A1), Pinto_54 (A1), Pita2_57 (A1), Rohr_55 (A1), Rubeus_54 (A1), Rufus_55 (A1), Sibs6_56 (A1), Slagathor_56 (A1), Smeagol_56 (A1), Swole_55 (A1), Tote_50 (A1), Tripl3t_54 (A1), Zephyr_54 (A1),

Start 2:

- Found in 19 of 34 (55.9%) of genes in pham
- No Manual Annotations of this start.
- Called 5.3% of time when present
- Phage (with cluster) where this start called: TwoPeat_54 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 1 was manually annotated 31 times for cluster A1.

Gene Information:

Gene: Arcanine_55 Start: 39095, Stop: 38874, Start Num: 1

Candidate Starts for Arcanine_55:

(Start: 1 @39095 has 31 MA's), (3, 38984), (4, 38894),

Gene: Arlo_52 Start: 37645, Stop: 37424, Start Num: 1

Candidate Starts for Arlo_52:

(Start: 1 @37645 has 31 MA's), (3, 37534), (4, 37444),

Gene: BPBiebs31_55 Start: 39527, Stop: 39306, Start Num: 1

Candidate Starts for BPBiebs31_55:

(Start: 1 @39527 has 31 MA's), (3, 39416), (4, 39326),

Gene: BaconJack_56 Start: 40182, Stop: 39961, Start Num: 1

Candidate Starts for BaconJack_56:

(Start: 1 @40182 has 31 MA's), (3, 40071), (4, 39981),

Gene: BigMau_55 Start: 37980, Stop: 37759, Start Num: 1

Candidate Starts for BigMau_55:

(Start: 1 @37980 has 31 MA's), (2, 37941), (3, 37869), (4, 37779),

Gene: Bob3_52 Start: 37249, Stop: 37028, Start Num: 1

Candidate Starts for Bob3_52:

(Start: 1 @37249 has 31 MA's), (2, 37210), (3, 37138), (4, 37048),

Gene: Bruns_53 Start: 37817, Stop: 37596, Start Num: 1

Candidate Starts for Bruns_53:

(Start: 1 @37817 has 31 MA's), (2, 37778), (3, 37706), (4, 37616),

Gene: Burton_54 Start: 38922, Stop: 38701, Start Num: 1

Candidate Starts for Burton_54:

(Start: 1 @38922 has 31 MA's), (2, 38883), (3, 38811), (4, 38721),

Gene: HermioneGrange_54 Start: 38474, Stop: 38253, Start Num: 1

Candidate Starts for HermioneGrange_54:

(Start: 1 @38474 has 31 MA's), (2, 38435), (3, 38363), (4, 38273),

Gene: Ichabod_57 Start: 39911, Stop: 39690, Start Num: 1

Candidate Starts for Ichabod_57:

(Start: 1 @39911 has 31 MA's), (3, 39800), (4, 39710),

Gene: Jerm2_55 Start: 38729, Stop: 38508, Start Num: 1

Candidate Starts for Jerm2_55:

(Start: 1 @38729 has 31 MA's), (2, 38690), (3, 38618), (4, 38528),

Gene: JuliaChild_55 Start: 38411, Stop: 38190, Start Num: 1

Candidate Starts for JuliaChild_55:

(Start: 1 @38411 has 31 MA's), (3, 38300), (4, 38210),

Gene: Lopton_54 Start: 40665, Stop: 40444, Start Num: 1

Candidate Starts for Lopton_54:

(Start: 1 @40665 has 31 MA's), (2, 40626), (3, 40554), (4, 40464),

Gene: Molly_55 Start: 37711, Stop: 37490, Start Num: 1

Candidate Starts for Molly_55:

(Start: 1 @37711 has 31 MA's), (2, 37672), (3, 37600), (4, 37510),

Gene: Museum_55 Start: 38861, Stop: 38640, Start Num: 1

Candidate Starts for Museum_55:

(Start: 1 @38861 has 31 MA's), (2, 38822), (3, 38750), (4, 38660),

Gene: NEHalo_52 Start: 38646, Stop: 38425, Start Num: 1

Candidate Starts for NEHalo_52:

(Start: 1 @38646 has 31 MA's), (3, 38535), (4, 38445),

Gene: PSullivan_54 Start: 37598, Stop: 37377, Start Num: 1

Candidate Starts for PSullivan_54:

(Start: 1 @37598 has 31 MA's), (2, 37559), (3, 37487), (4, 37397),

Gene: Paphu_52 Start: 37995, Stop: 37774, Start Num: 1

Candidate Starts for Paphu_52:

(Start: 1 @37995 has 31 MA's), (2, 37956), (3, 37884), (4, 37794),

Gene: Pari_56 Start: 38422, Stop: 38201, Start Num: 1

Candidate Starts for Pari_56:

(Start: 1 @38422 has 31 MA's), (3, 38311), (4, 38221),

Gene: PattyP_54 Start: 39055, Stop: 38834, Start Num: 1

Candidate Starts for PattyP_54:

(Start: 1 @39055 has 31 MA's), (3, 38944), (4, 38854),

Gene: Petp2012_55 Start: 38670, Stop: 38449, Start Num: 1

Candidate Starts for Petp2012_55:

(Start: 1 @38670 has 31 MA's), (3, 38559), (4, 38469),

Gene: Pinto_54 Start: 38929, Stop: 38708, Start Num: 1

Candidate Starts for Pinto_54:

(Start: 1 @38929 has 31 MA's), (2, 38890), (3, 38818), (4, 38728),

Gene: Pita2_57 Start: 39095, Stop: 38874, Start Num: 1

Candidate Starts for Pita2_57:

(Start: 1 @39095 has 31 MA's), (2, 39056), (3, 38984), (4, 38894),

Gene: Rohr_55 Start: 38775, Stop: 38554, Start Num: 1

Candidate Starts for Rohr_55:

(Start: 1 @38775 has 31 MA's), (2, 38736), (3, 38664), (4, 38574),

Gene: Rubeus_54 Start: 36716, Stop: 36495, Start Num: 1

Candidate Starts for Rubeus_54:

(Start: 1 @36716 has 31 MA's), (2, 36677), (3, 36605), (4, 36515),

Gene: Rufus_55 Start: 38321, Stop: 38100, Start Num: 1

Candidate Starts for Rufus_55:

(Start: 1 @38321 has 31 MA's), (2, 38282), (3, 38210), (4, 38120),

Gene: Sibs6_56 Start: 37355, Stop: 37134, Start Num: 1

Candidate Starts for Sibs6_56:

(Start: 1 @37355 has 31 MA's), (2, 37316), (3, 37244), (4, 37154),

Gene: Slagathor_56 Start: 39682, Stop: 39461, Start Num: 1

Candidate Starts for Slagathor_56:

(Start: 1 @39682 has 31 MA's), (3, 39571), (4, 39481),

Gene: Smeagol_56 Start: 39912, Stop: 39691, Start Num: 1

Candidate Starts for Smeagol_56:

(Start: 1 @39912 has 31 MA's), (2, 39873), (3, 39801), (4, 39711),

Gene: Swole_55 Start: 37886, Stop: 37665, Start Num: 1

Candidate Starts for Swole_55:

(Start: 1 @37886 has 31 MA's), (3, 37775), (4, 37685),

Gene: Tote_50 Start: 35153, Stop: 34932, Start Num: 1

Candidate Starts for Tote_50:

(Start: 1 @35153 has 31 MA's), (3, 35042), (4, 34952),

Gene: Tripl3t_54 Start: 39833, Stop: 39612, Start Num: 1

Candidate Starts for Tripl3t_54:

(Start: 1 @39833 has 31 MA's), (3, 39722), (4, 39632),

Gene: TwoPeat_54 Start: 38270, Stop: 38088, Start Num: 2

Candidate Starts for TwoPeat_54:

(Start: 1 @38309 has 31 MA's), (2, 38270), (3, 38198), (4, 38108),

Gene: Zephyr_54 Start: 38351, Stop: 38130, Start Num: 1
Candidate Starts for Zephyr_54:
(Start: 1 @38351 has 31 MA's), (3, 38240), (4, 38150),