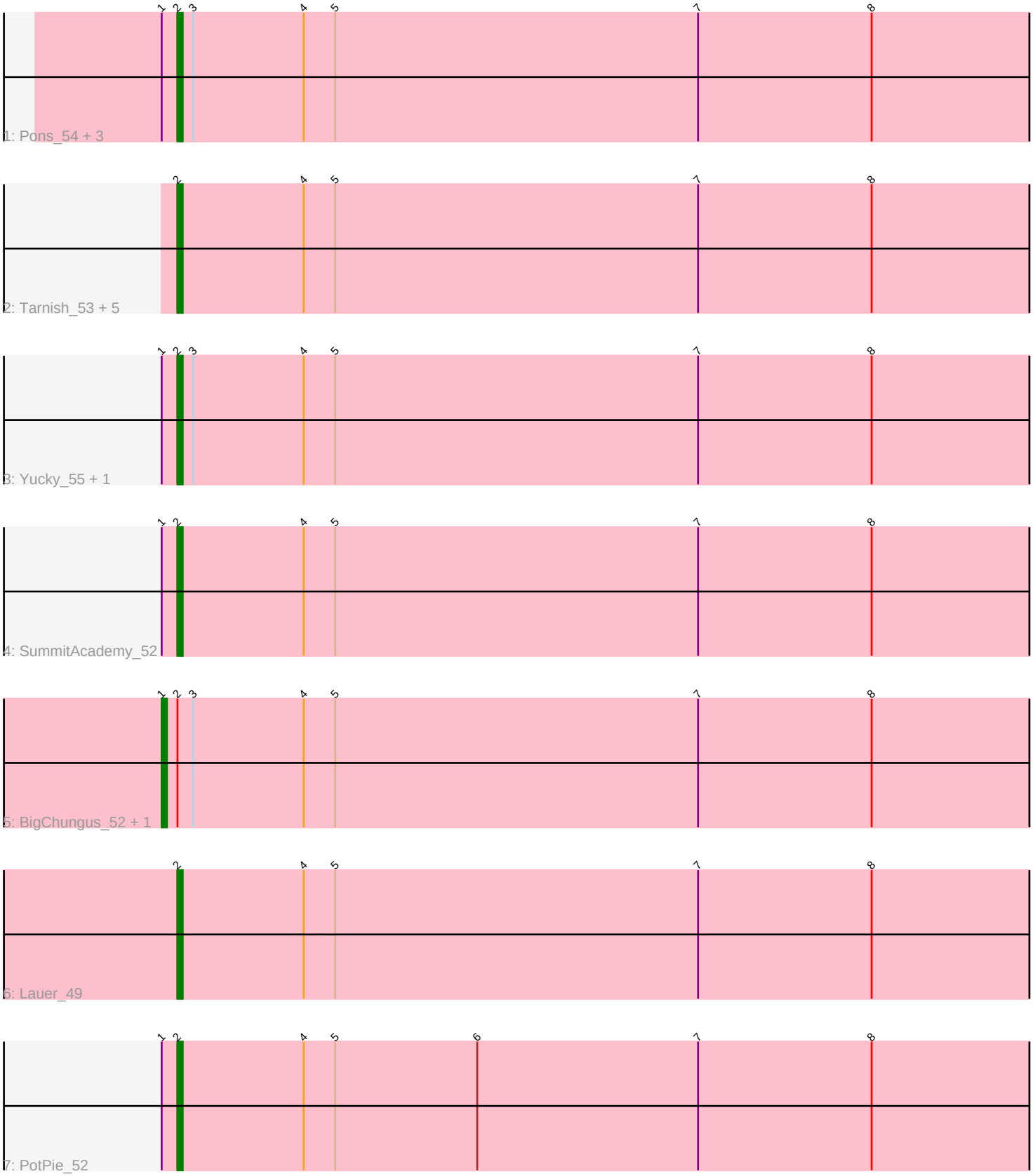
Pham 342636


1
2
3
4
5
7
8
1: Pons_54 + 3
2
4
5
7
8
2: Tarnish_53 + 5
1
2
3
4
5
7
8
3: Yucky_55 + 1
1
2
4
5
7
8
4: SummitAcademy_52
1
2
3
4
5
7
8
5: BigChungus_52 + 1
2
4
5
7
8
6: Lauer_49
1
2
4
5
6
7
8
7: PotPie_52

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 342636 Report

This analysis was run 11/14/26 on database version 672.

Pham number 342636 has 17 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Pons_54, McDazzle_54, ElJefes_54, SheckWes_56
• Track 2 : Tarnish_53, Elinal_56, MAnor_54, KayGee_54, Mayweather_57, Bavilard_52
• Track 3 : Yucky_55, Vine_55
• Track 4 : SummitAcademy_52
• Track 5 : BigChungus_52, Feastonyeet_52
• Track 6 : Lauer_49
• Track 7 : PotPie_52

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

The start number called the most often in the published annotations is 2, it was called in 13 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bavilard_52, ElJefes_54, Elinal_56, KayGee_54, Lauer_49, MAnor_54, Mayweather_57, McDazzle_54, Pons_54, PotPie_52, SheckWes_56, SummitAcademy_52, Tarnish_53, Vine_55, Yucky_55,

Genes that have the "Most Annotated" start but do not call it:
• BigChungus_52, Feastonyeet_52,

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

Summary by start number:

Start 1:
• Found in 10 of 17 (58.8%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 20.0% of time when present
• Phage (with cluster) where this start called: BigChungus_52 (CT), Feastonyeet_52 (CT),

Start 2:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 15
• Called 88.2% of time when present
• Phage (with cluster) where this start called: Bavilard_52 (CT), ElJefes_54 (CT), Elinal_56 (CT), KayGee_54 (CT), Lauer_49 (CT), MAnor_54 (CT), Mayweather_57 (CT), McDazzle_54 (CT), Pons_54 (CT), PotPie_52 (CT), SheckWes_56 (CT), SummitAcademy_52 (CT), Tarnish_53 (CT), Vine_55 (CT), Yucky_55 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:
•Start number 1 was manually annotated 2 times for cluster CT.
•Start number 2 was manually annotated 13 times for cluster CT.

Gene Information:

Gene: Bavilard_52 Start: 37436, Stop: 37206, Start Num: 2
Candidate Starts for Bavilard_52:
(Start: 2 @37436 has 13 MA's), (4, 37412), (5, 37406), (7, 37337), (8, 37304),

Gene: BigChungus_52 Start: 37563, Stop: 37330, Start Num: 1
Candidate Starts for BigChungus_52:
(Start: 1 @37563 has 2 MA's), (Start: 2 @37560 has 13 MA's), (3, 37557), (4, 37536), (5, 37530), (7, 37461), (8, 37428),

Gene: ElJefes_54 Start: 38104, Stop: 37874, Start Num: 2
Candidate Starts for ElJefes_54:
(Start: 1 @38107 has 2 MA's), (Start: 2 @38104 has 13 MA's), (3, 38101), (4, 38080), (5, 38074), (7, 38005), (8, 37972),

Gene: Elinal_56 Start: 38072, Stop: 37842, Start Num: 2
Candidate Starts for Elinal_56:
(Start: 2 @38072 has 13 MA's), (4, 38048), (5, 38042), (7, 37973), (8, 37940),

Gene: Feastonyeet_52 Start: 37563, Stop: 37330, Start Num: 1
Candidate Starts for Feastonyeet_52:
(Start: 1 @37563 has 2 MA's), (Start: 2 @37560 has 13 MA's), (3, 37557), (4, 37536), (5, 37530), (7, 37461), (8, 37428),

Gene: KayGee_54 Start: 38072, Stop: 37842, Start Num: 2
Candidate Starts for KayGee_54:
(Start: 2 @38072 has 13 MA's), (4, 38048), (5, 38042), (7, 37973), (8, 37940),

Gene: Lauer_49 Start: 39214, Stop: 38984, Start Num: 2
Candidate Starts for Lauer_49:
(Start: 2 @39214 has 13 MA's), (4, 39190), (5, 39184), (7, 39115), (8, 39082),

Gene: MAnor_54 Start: 38426, Stop: 38196, Start Num: 2

Candidate Starts for MAnor_54:
(Start: 2 @38426 has 13 MA's), (4, 38402), (5, 38396), (7, 38327), (8, 38294),

Gene: Mayweather_57 Start: 39171, Stop: 38941, Start Num: 2
Candidate Starts for Mayweather_57:
(Start: 2 @39171 has 13 MA's), (4, 39147), (5, 39141), (7, 39072), (8, 39039),

Gene: McDazzle_54 Start: 38098, Stop: 37868, Start Num: 2
Candidate Starts for McDazzle_54:
(Start: 1 @38101 has 2 MA's), (Start: 2 @38098 has 13 MA's), (3, 38095), (4, 38074), (5, 38068), (7, 37999), (8, 37966),

Gene: Pons_54 Start: 38056, Stop: 37826, Start Num: 2
Candidate Starts for Pons_54:
(Start: 1 @38059 has 2 MA's), (Start: 2 @38056 has 13 MA's), (3, 38053), (4, 38032), (5, 38026), (7, 37957), (8, 37924),

Gene: PotPie_52 Start: 38595, Stop: 38365, Start Num: 2
Candidate Starts for PotPie_52:
(Start: 1 @38598 has 2 MA's), (Start: 2 @38595 has 13 MA's), (4, 38571), (5, 38565), (6, 38538), (7, 38496), (8, 38463),

Gene: SheckWes_56 Start: 37643, Stop: 37413, Start Num: 2
Candidate Starts for SheckWes_56:
(Start: 1 @37646 has 2 MA's), (Start: 2 @37643 has 13 MA's), (3, 37640), (4, 37619), (5, 37613), (7, 37544), (8, 37511),

Gene: SummitAcademy_52 Start: 37741, Stop: 37511, Start Num: 2
Candidate Starts for SummitAcademy_52:
(Start: 1 @37744 has 2 MA's), (Start: 2 @37741 has 13 MA's), (4, 37717), (5, 37711), (7, 37642), (8, 37609),

Gene: Tarnish_53 Start: 38325, Stop: 38095, Start Num: 2
Candidate Starts for Tarnish_53:
(Start: 2 @38325 has 13 MA's), (4, 38301), (5, 38295), (7, 38226), (8, 38193),

Gene: Vine_55 Start: 38361, Stop: 38131, Start Num: 2
Candidate Starts for Vine_55:
(Start: 1 @38364 has 2 MA's), (Start: 2 @38361 has 13 MA's), (3, 38358), (4, 38337), (5, 38331), (7, 38262), (8, 38229),

Gene: Yucky_55 Start: 38153, Stop: 37923, Start Num: 2
Candidate Starts for Yucky_55:
(Start: 1 @38156 has 2 MA's), (Start: 2 @38153 has 13 MA's), (3, 38150), (4, 38129), (5, 38123), (7, 38054), (8, 38021),