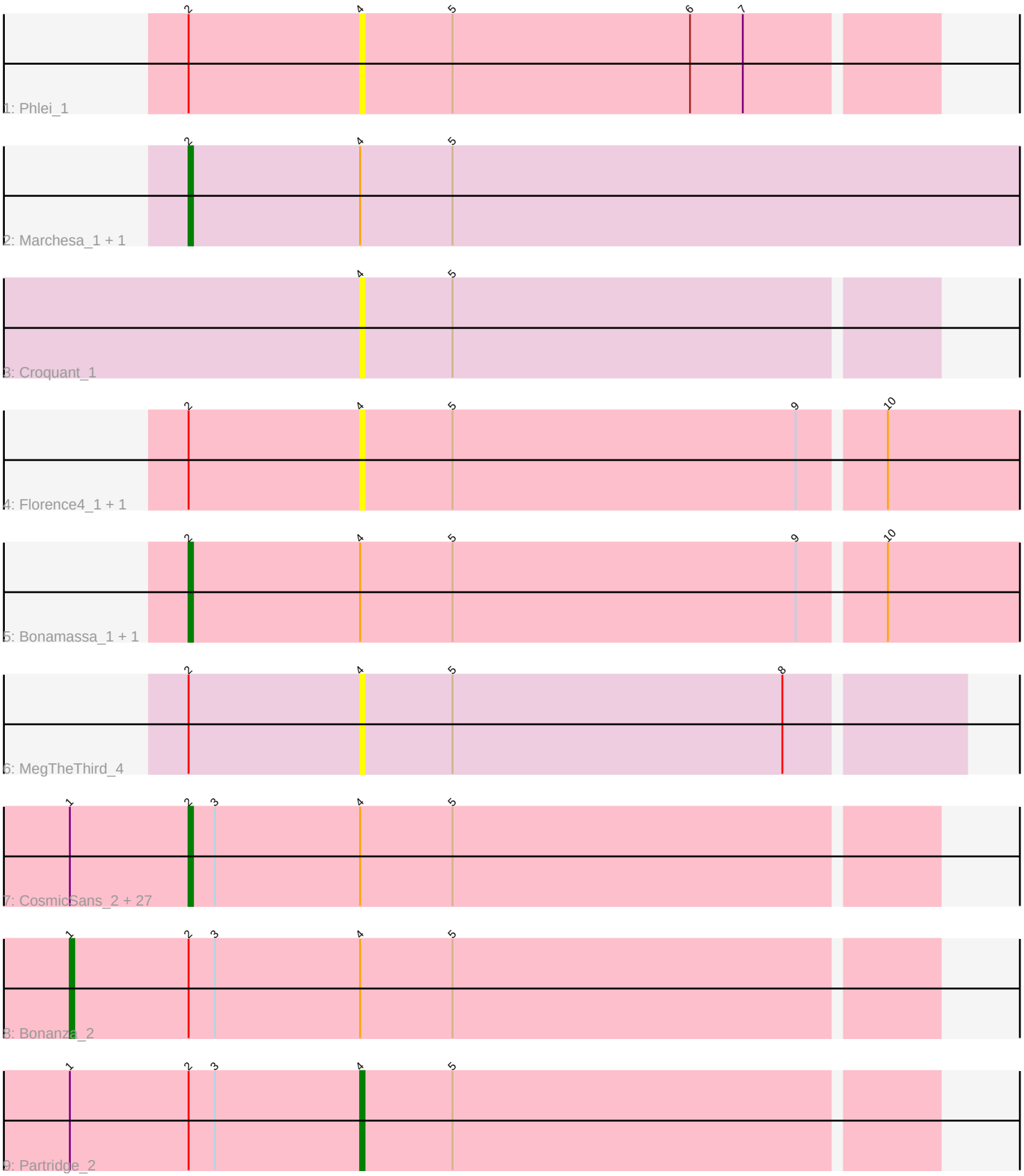
Pham 347809


2
4
5
6
7
1: Phlei_1
2
4
5
2: Marchesa_1 + 1
4
5
3: Croquant_1
2
4
5
9
10
4: Florence4_1 + 1
2
4
5
9
10
5: Bonamassa_1 + 1
2
4
5
8
6: MegTheThird_4
1
2
3
4
5
7: CosmicSans_2 + 27
1
2
3
4
5
8: Bonanza_2
1
2
3
4
5
9: Partridge_2

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 347809 Report

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

Pham number 347809 has 39 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Phlei_1
• Track 2 : Marchesa_1, Rockstar_1
• Track 3 : Croquant_1
• Track 4 : Florence4_1, Florence1_1
• Track 5 : Bonamassa_1, Swirley_1
• Track 6 : MegTheThird_4
• Track 7 : CosmicSans_2, UhSalsa_2, Alpacados_2, Rhodalysa_2, Bradshaw_2, Harlequin_2, RER2_65, Swann_2, Rasputin_2, Erik_2, Yoncess_2, Espica_2, Nancinator_2, StCroix_2, Bryce_2, RexFury_2, Phrankenstein_2, Takoda_2, TWAMP_2, Natosaleda_2, Lillie_2, AppleCloud_1, Hiro_2, Naiad_2, Gollum_2, Shuman_2, Krishelle_2, PhailMary_2
• Track 8 : Bonanza_2
• Track 9 : Partridge_2

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 30 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alpacados_2, AppleCloud_1, Bonamassa_1, Bradshaw_2, Bryce_2, CosmicSans_2, Erik_2, Espica_2, Gollum_2, Harlequin_2, Hiro_2, Krishelle_2, Lillie_2, Marchesa_1, Naiad_2, Nancinator_2, Natosaleda_2, PhailMary_2, Phrankenstein_2, RER2_65, Rasputin_2, RexFury_2, Rhodalysa_2, Rockstar_1, Shuman_2, StCroix_2, Swann_2, Swirley_1, TWAMP_2, Takoda_2, UhSalsa_2, Yoncess_2,

Genes that have the "Most Annotated" start but do not call it:
• Bonanza_2, Florence1_1, Florence4_1, MegTheThird_4, Partridge_2, Phlei_1,

Genes that do not have the "Most Annotated" start:
• Croquant_1,

Summary by start number:

Start 1:
• Found in 30 of 39 (76.9%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 3.3% of time when present
• Phage (with cluster) where this start called: Bonanza_2 (CA),

Start 2:
• Found in 38 of 39 (97.4%) of genes in pham
• Manual Annotations of this start: 30 of 32
• Called 84.2% of time when present
• Phage (with cluster) where this start called: Alpacados_2 (CA), AppleCloud_1 (CA), Bonamassa_1 (A5), Bradshaw_2 (CA), Bryce_2 (CA), CosmicSans_2 (CA), Erik_2 (CA), Espica_2 (CA), Gollum_2 (CA), Harlequin_2 (CA), Hiro_2 (CA), Krishelle_2 (CA), Lillie_2 (CA), Marchesa_1 (A3), Naiad_2 (CA), Nancinator_2 (CA), Natosaleda_2 (CA), PhailMary_2 (CA), Phrankenstein_2 (CA), RER2_65 (CA), Rasputin_2 (CA), RexFury_2 (CA), Rhodalysa_2 (CA), Rockstar_1 (A3), Shuman_2 (CA), StCroix_2 (CA), Swann_2 (CA), Swirley_1 (A5), TWAMP_2 (CA), Takoda_2 (CA), UhSalsa_2 (CA), Yoncess_2 (CA),

Start 4:
• Found in 39 of 39 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 15.4% of time when present
• Phage (with cluster) where this start called: Croquant_1 (A3), Florence1_1 (A5), Florence4_1 (A5), MegTheThird_4 (A9), Partridge_2 (CA), Phlei_1 (A13),

Summary by clusters:

There are 5 clusters represented in this pham: A9, CA, A5, A3, A13,

Info for manual annotations of cluster A3:
•Start number 2 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A5:
•Start number 2 was manually annotated 2 times for cluster A5.

Info for manual annotations of cluster CA:
•Start number 1 was manually annotated 1 time for cluster CA.
•Start number 2 was manually annotated 27 times for cluster CA.
•Start number 4 was manually annotated 1 time for cluster CA.

Gene Information:

Gene: Alpacados_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Alpacados_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: AppleCloud_1 Start: 680, Stop: 513, Start Num: 2
Candidate Starts for AppleCloud_1:
(Start: 1 @707 has 1 MA's), (Start: 2 @680 has 30 MA's), (3, 674), (Start: 4 @641 has 1 MA's), (5, 620),

Gene: Bonamassa_1 Start: 741, Stop: 553, Start Num: 2
Candidate Starts for Bonamassa_1:
(Start: 2 @741 has 30 MA's), (Start: 4 @702 has 1 MA's), (5, 681), (9, 603), (10, 585),

Gene: Bonanza_2 Start: 912, Stop: 718, Start Num: 1
Candidate Starts for Bonanza_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Bradshaw_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Bradshaw_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Bryce_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Bryce_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: CosmicSans_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for CosmicSans_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Croquant_1 Start: 687, Stop: 559, Start Num: 4
Candidate Starts for Croquant_1:
(Start: 4 @687 has 1 MA's), (5, 666),

Gene: Erik_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Erik_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Espica_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Espica_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Florence1_1 Start: 670, Stop: 521, Start Num: 4
Candidate Starts for Florence1_1:
(Start: 2 @709 has 30 MA's), (Start: 4 @670 has 1 MA's), (5, 649), (9, 571), (10, 553),

Gene: Florence4_1 Start: 670, Stop: 521, Start Num: 4
Candidate Starts for Florence4_1:
(Start: 2 @709 has 30 MA's), (Start: 4 @670 has 1 MA's), (5, 649), (9, 571), (10, 553),

Gene: Gollum_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Gollum_2:

(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Harlequin_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Harlequin_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Hiro_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Hiro_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Krishelle_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Krishelle_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Lillie_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Lillie_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Marchesa_1 Start: 619, Stop: 431, Start Num: 2
Candidate Starts for Marchesa_1:
(Start: 2 @619 has 30 MA's), (Start: 4 @580 has 1 MA's), (5, 559),

Gene: MegTheThird_4 Start: 2266, Stop: 2132, Start Num: 4
Candidate Starts for MegTheThird_4:
(Start: 2 @2305 has 30 MA's), (Start: 4 @2266 has 1 MA's), (5, 2245), (8, 2170),

Gene: Naiad_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Naiad_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Nancinator_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Nancinator_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Natosaleda_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Natosaleda_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Partridge_2 Start: 841, Stop: 713, Start Num: 4
Candidate Starts for Partridge_2:
(Start: 1 @907 has 1 MA's), (Start: 2 @880 has 30 MA's), (3, 874), (Start: 4 @841 has 1 MA's), (5, 820),

Gene: PhailMary_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for PhailMary_2:

(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Phlei_1 Start: 645, Stop: 517, Start Num: 4
Candidate Starts for Phlei_1:
(Start: 2 @684 has 30 MA's), (Start: 4 @645 has 1 MA's), (5, 624), (6, 570), (7, 558),

Gene: Phrankenstein_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Phrankenstein_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: RER2_65 Start: 44343, Stop: 44176, Start Num: 2
Candidate Starts for RER2_65:
(Start: 1 @44370 has 1 MA's), (Start: 2 @44343 has 30 MA's), (3, 44337), (Start: 4 @44304 has 1 MA's), (5, 44283),

Gene: Rasputin_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Rasputin_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: RexFury_2 Start: 916, Stop: 749, Start Num: 2
Candidate Starts for RexFury_2:
(Start: 1 @943 has 1 MA's), (Start: 2 @916 has 30 MA's), (3, 910), (Start: 4 @877 has 1 MA's), (5, 856),

Gene: Rhodalysa_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Rhodalysa_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Rockstar_1 Start: 622, Stop: 452, Start Num: 2
Candidate Starts for Rockstar_1:
(Start: 2 @622 has 30 MA's), (Start: 4 @583 has 1 MA's), (5, 562),

Gene: Shuman_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Shuman_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: StCroix_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for StCroix_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Swann_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Swann_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Swirley_1 Start: 709, Stop: 521, Start Num: 2
Candidate Starts for Swirley_1:

(Start: 2 @709 has 30 MA's), (Start: 4 @670 has 1 MA's), (5, 649), (9, 571), (10, 553),

Gene: TWAMP_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for TWAMP_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Takoda_2 Start: 880, Stop: 713, Start Num: 2
Candidate Starts for Takoda_2:
(Start: 1 @907 has 1 MA's), (Start: 2 @880 has 30 MA's), (3, 874), (Start: 4 @841 has 1 MA's), (5, 820),

Gene: UhSalsa_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for UhSalsa_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Yoncess_2 Start: 885, Stop: 718, Start Num: 2
Candidate Starts for Yoncess_2:
(Start: 1 @912 has 1 MA's), (Start: 2 @885 has 30 MA's), (3, 879), (Start: 4 @846 has 1 MA's), (5, 825),