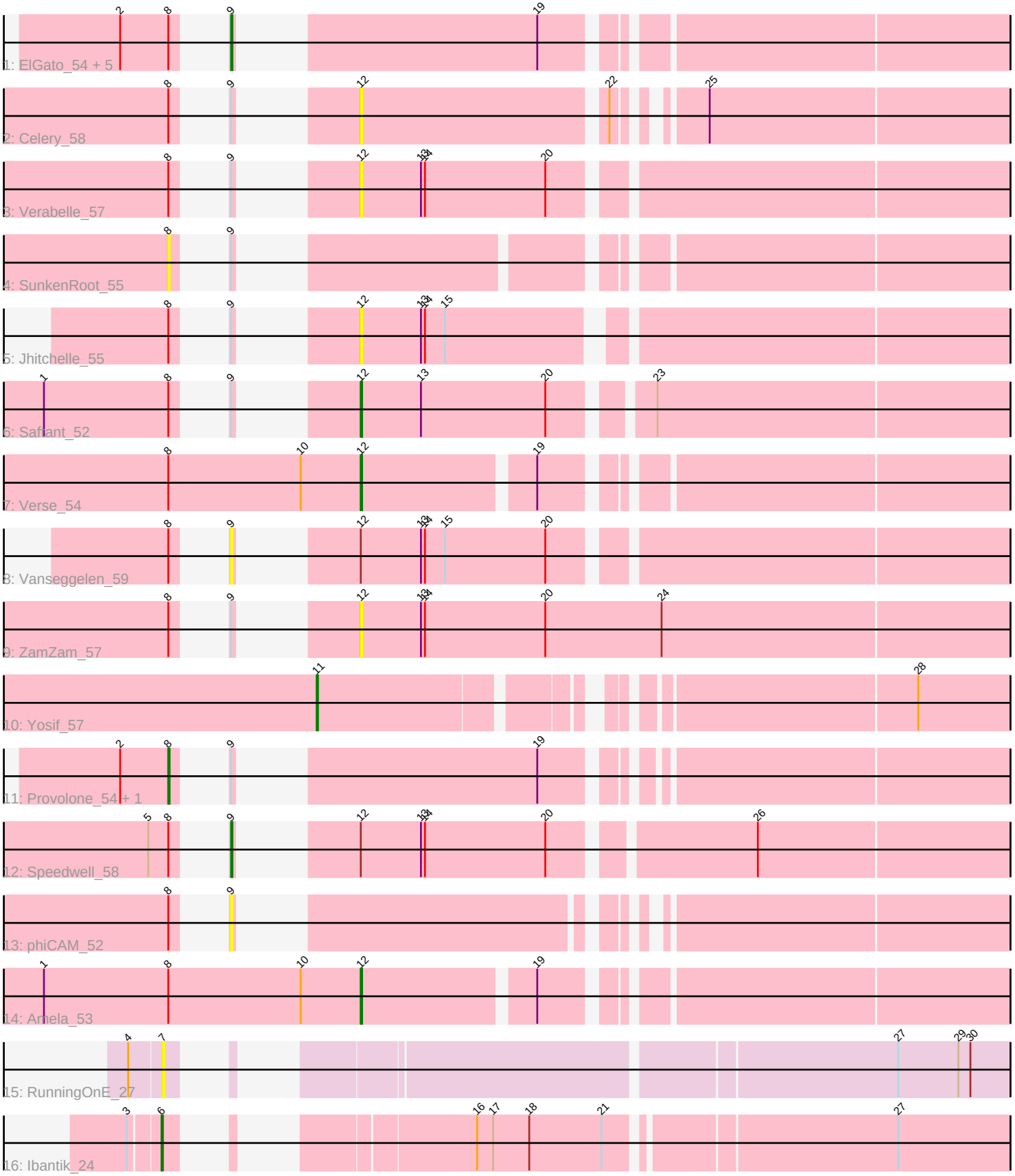
Pham 291523


1: ElGato_54 + 5
2: Celery_58
3: Verabelle_57
4: SunkenRoot_55
5: Jhitchelle_55
6: Safiant_52
7: Verse_54
8: Vanseggelen_59
9: ZamZam_57
10: Yosif_57
11: Provolone_54 + 1
12: Speedwell_58
13: phiCAM_52
14: Amela_53
15: RunningOnE_27
16: Ibantik_24

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 291523 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291523 has 22 members, 9 are drafts.

Phages represented in each track:
• Track 1 : ElGato_54, Sudan_55, Kaine_54, Pavo_55, Conan_54, Alsaber_54
• Track 2 : Celery_58
• Track 3 : Verabelle_57
• Track 4 : SunkenRoot_55
• Track 5 : Jhitchelle_55
• Track 6 : Saftant_52
• Track 7 : Verse_54
• Track 8 : Vanseggelen_59
• Track 9 : ZamZam_57
• Track 10 : Yosif_57
• Track 11 : Provolone_54, Dexers_52
• Track 12 : Speedwell_58
• Track 13 : phiCAM_52
• Track 14 : Amela_53
• Track 15 : RunningOnE_27
• Track 16 : Ibantik_24

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

The start number called the most often in the published annotations is 9, it was called in 6 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alsaber_54, Conan_54, ElGato_54, Kaine_54, Pavo_55, Speedwell_58, Sudan_55, Vanseggelen_59, phiCAM_52,

Genes that have the "Most Annotated" start but do not call it:
• Celery_58, Dexers_52, Jhitchelle_55, Provolone_54, Saftant_52, SunkenRoot_55, Verabelle_57, ZamZam_57,

Genes that do not have the "Most Annotated" start:
• Amela_53, Ibantik_24, RunningOnE_27, Verse_54, Yosif_57,

Summary by start number:

Start 6:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ibantik_24 (singleton),

Start 7:
• Found in 1 of 22 (4.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RunningOnE_27 (UNK),

Start 8:
• Found in 19 of 22 (86.4%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 15.8% of time when present
• Phage (with cluster) where this start called: Dexers_52 (BD3), Provolone_54 (BD3), SunkenRoot_55 (BD3),

Start 9:
• Found in 17 of 22 (77.3%) of genes in pham
• Manual Annotations of this start: 6 of 13
• Called 52.9% of time when present
• Phage (with cluster) where this start called: Alsaber_54 (BD3), Conan_54 (BD3), ElGato_54 (BD3), Kaine_54 (BD3), Pavo_55 (BD3), Speedwell_58 (BD3), Sudan_55 (BD3), Vanseggelen_59 (BD3), phiCAM_52 (BD3),

Start 11:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yosif_57 (BD3),

Start 12:
• Found in 9 of 22 (40.9%) of genes in pham
• Manual Annotations of this start: 3 of 13
• Called 77.8% of time when present
• Phage (with cluster) where this start called: Amela_53 (BD3), Celery_58 (BD3), Jhitchelle_55 (BD3), Saftant_52 (BD3), Verabelle_57 (BD3), Verse_54 (BD3), ZamZam_57 (BD3),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, UNK, BD3,

Info for manual annotations of cluster BD3:
•Start number 8 was manually annotated 2 times for cluster BD3.
•Start number 9 was manually annotated 6 times for cluster BD3.
•Start number 11 was manually annotated 1 time for cluster BD3.
•Start number 12 was manually annotated 3 times for cluster BD3.

Gene Information:

Gene: Alsaber_54 Start: 39554, Stop: 39006, Start Num: 9
Candidate Starts for Alsaber_54:
(2, 39599), (Start: 8 @39563 has 2 MA's), (Start: 9 @39554 has 6 MA's), (19, 39380),

Gene: Amela_53 Start: 40390, Stop: 39896, Start Num: 12
Candidate Starts for Amela_53:
(1, 40627), (Start: 8 @40534 has 2 MA's), (10, 40435), (Start: 12 @40390 has 3 MA's), (19, 40270),

Gene: Celery_58 Start: 39644, Stop: 39150, Start Num: 12
Candidate Starts for Celery_58:
(Start: 8 @39695 has 2 MA's), (Start: 9 @39686 has 6 MA's), (Start: 12 @39644 has 3 MA's), (22, 39470), (25, 39425),

Gene: Conan_54 Start: 39514, Stop: 38966, Start Num: 9
Candidate Starts for Conan_54:
(2, 39559), (Start: 8 @39523 has 2 MA's), (Start: 9 @39514 has 6 MA's), (19, 39340),

Gene: Dexers_52 Start: 39805, Stop: 39248, Start Num: 8
Candidate Starts for Dexers_52:
(2, 39841), (Start: 8 @39805 has 2 MA's), (Start: 9 @39796 has 6 MA's), (19, 39622),

Gene: ElGato_54 Start: 39418, Stop: 38870, Start Num: 9
Candidate Starts for ElGato_54:
(2, 39463), (Start: 8 @39427 has 2 MA's), (Start: 9 @39418 has 6 MA's), (19, 39244),

Gene: Ibantik_24 Start: 10903, Stop: 10337, Start Num: 6
Candidate Starts for Ibantik_24:
(3, 10924), (Start: 6 @10903 has 1 MA's), (16, 10762), (17, 10750), (18, 10723), (21, 10669), (27, 10468),

Gene: Jhitchelle_55 Start: 39300, Stop: 38791, Start Num: 12
Candidate Starts for Jhitchelle_55:
(Start: 8 @39351 has 2 MA's), (Start: 9 @39342 has 6 MA's), (Start: 12 @39300 has 3 MA's), (13, 39255), (14, 39252), (15, 39237),

Gene: Kaine_54 Start: 39706, Stop: 39158, Start Num: 9
Candidate Starts for Kaine_54:
(2, 39751), (Start: 8 @39715 has 2 MA's), (Start: 9 @39706 has 6 MA's), (19, 39532),

Gene: Pavo_55 Start: 39712, Stop: 39164, Start Num: 9
Candidate Starts for Pavo_55:
(2, 39757), (Start: 8 @39721 has 2 MA's), (Start: 9 @39712 has 6 MA's), (19, 39538),

Gene: Provolone_54 Start: 39561, Stop: 39010, Start Num: 8
Candidate Starts for Provolone_54:
(2, 39597), (Start: 8 @39561 has 2 MA's), (Start: 9 @39552 has 6 MA's), (19, 39378),

Gene: RunningOnE_27 Start: 11133, Stop: 10561, Start Num: 7
Candidate Starts for RunningOnE_27:

(4, 11157), (7, 11133), (27, 10692), (29, 10647), (30, 10638),

Gene: Saftant_52 Start: 39619, Stop: 39104, Start Num: 12
Candidate Starts for Saftant_52:
(1, 39763), (Start: 8 @39670 has 2 MA's), (Start: 9 @39661 has 6 MA's), (Start: 12 @39619 has 3 MA's), (13, 39574), (20, 39481), (23, 39418),

Gene: Speedwell_58 Start: 40874, Stop: 40317, Start Num: 9
Candidate Starts for Speedwell_58:
(5, 40898), (Start: 8 @40883 has 2 MA's), (Start: 9 @40874 has 6 MA's), (Start: 12 @40832 has 3 MA's), (13, 40787), (14, 40784), (20, 40694), (26, 40556),

Gene: Sudan_55 Start: 39552, Stop: 39004, Start Num: 9
Candidate Starts for Sudan_55:
(2, 39597), (Start: 8 @39561 has 2 MA's), (Start: 9 @39552 has 6 MA's), (19, 39378),

Gene: SunkenRoot_55 Start: 40266, Stop: 39718, Start Num: 8
Candidate Starts for SunkenRoot_55:
(Start: 8 @40266 has 2 MA's), (Start: 9 @40257 has 6 MA's),

Gene: Vanseggelen_59 Start: 39574, Stop: 39017, Start Num: 9
Candidate Starts for Vanseggelen_59:
(Start: 8 @39583 has 2 MA's), (Start: 9 @39574 has 6 MA's), (Start: 12 @39532 has 3 MA's), (13, 39487), (14, 39484), (15, 39469), (20, 39394),

Gene: Verabelle_57 Start: 39198, Stop: 38683, Start Num: 12
Candidate Starts for Verabelle_57:
(Start: 8 @39249 has 2 MA's), (Start: 9 @39240 has 6 MA's), (Start: 12 @39198 has 3 MA's), (13, 39153), (14, 39150), (20, 39060),

Gene: Verse_54 Start: 40384, Stop: 39890, Start Num: 12
Candidate Starts for Verse_54:
(Start: 8 @40528 has 2 MA's), (10, 40429), (Start: 12 @40384 has 3 MA's), (19, 40264),

Gene: Yosif_57 Start: 40542, Stop: 40027, Start Num: 11
Candidate Starts for Yosif_57:
(Start: 11 @40542 has 1 MA's), (28, 40149),

Gene: ZamZam_57 Start: 39930, Stop: 39394, Start Num: 12
Candidate Starts for ZamZam_57:
(Start: 8 @39981 has 2 MA's), (Start: 9 @39972 has 6 MA's), (Start: 12 @39930 has 3 MA's), (13, 39885), (14, 39882), (20, 39792), (24, 39705),

Gene: phiCAM_52 Start: 41496, Stop: 40966, Start Num: 9
Candidate Starts for phiCAM_52:
(Start: 8 @41505 has 2 MA's), (Start: 9 @41496 has 6 MA's),