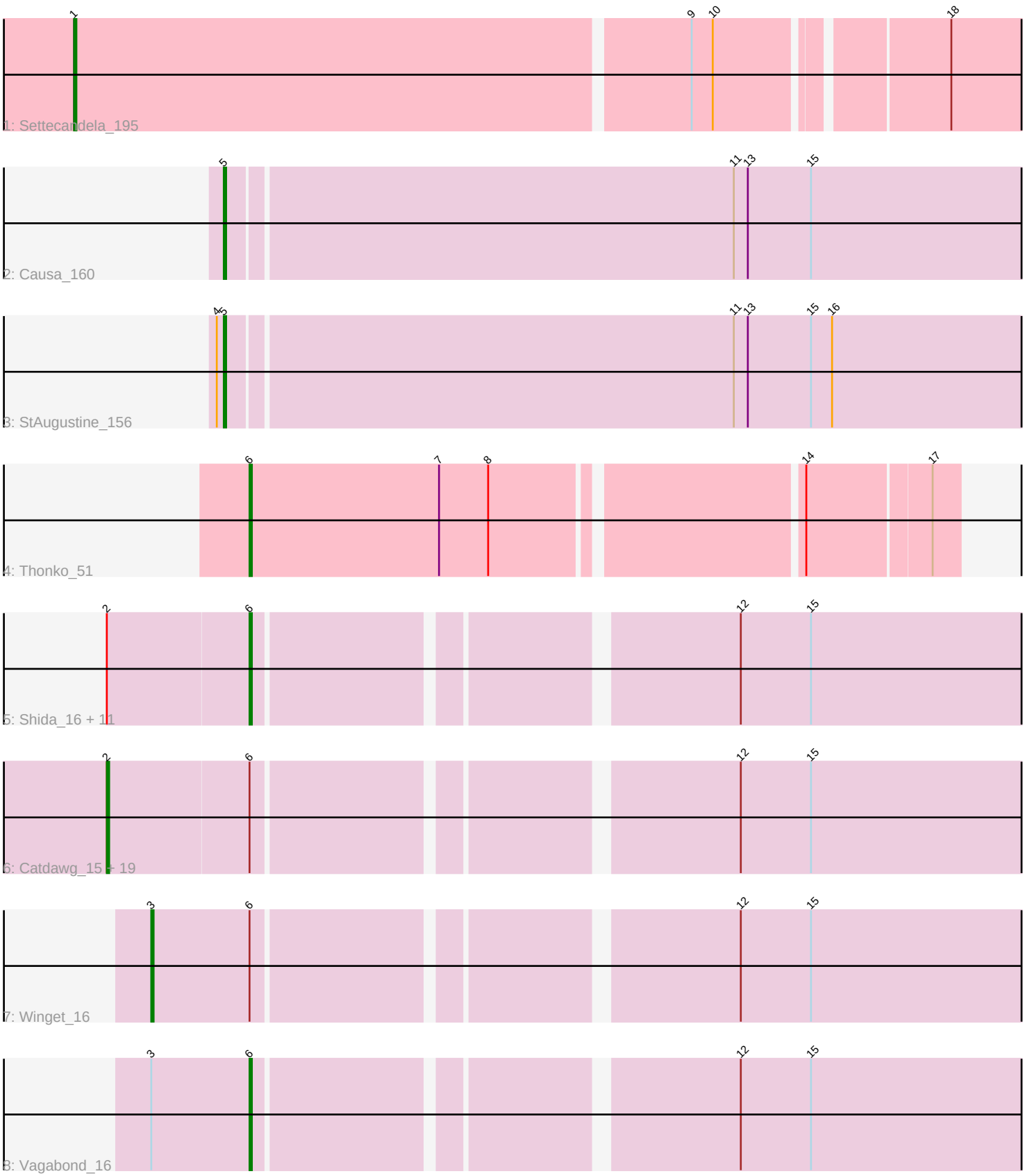
Pham 291338


1
9
10
18
1: Settecandela_195
5
11
13
15
2: Causa_160
4
5
11
13
15
16
3: StAugustine_156
6
7
8
14
17
4: Thonko_51
2
6
12
15
5: Shida_16 + 11
2
6
12
15
6: Catdawg_15 + 19
3
6
12
15
7: Winget_16
3
6
12
15
8: Vagabond_16

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 291338 Report

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

Pham number 291338 has 38 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Settecandela_195
• Track 2 : Causa_160
• Track 3 : StAugustine_156
• Track 4 : Thonko_51
• Track 5 : Shida_16, Bora_16, KingPhillip3_15, FoulBall_15, YoyoKar_16, Ryadel_18, Schuy_17, Wogge42_17, JangDynasty_15, Zakhe101_17, Imara_16, Zebo_15
• Track 6 : Catdawg_15, Firecracker_16, Corndog_18, Wildflower_16, Murai_16, Blessica_16, Krili_16, Dylan_16, YungJamal_17, Smooch_17, Famílton_16, Vorrps_16, Mori_16, Alkhayr_16, NiebruSaylor_16, Ashwin_17, TelAviv_15, MadKillah_17, SchoolBus_15, Idergollasper_15
• Track 7 : Winget_16
• Track 8 : Vagabond_16

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 20 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alkhayr_16, Ashwin_17, Blessica_16, Catdawg_15, Corndog_18, Dylan_16, Famílton_16, Firecracker_16, Idergollasper_15, Krili_16, MadKillah_17, Mori_16, Murai_16, NiebruSaylor_16, SchoolBus_15, Smooch_17, TelAviv_15, Vorrps_16, Wildflower_16, YungJamal_17,

Genes that have the "Most Annotated" start but do not call it:
• Bora_16, FoulBall_15, Imara_16, JangDynasty_15, KingPhillip3_15, Ryadel_18, Schuy_17, Shida_16, Wogge42_17, YoyoKar_16, Zakhe101_17, Zebo_15,

Genes that do not have the "Most Annotated" start:
• Causa_160, Settecandela_195, StAugustine_156, Thonko_51, Vagabond_16, Winget_16,

Summary by start number:

Start 1:
• Found in 1 of 38 (2.6%) of genes in pham
• Manual Annotations of this start: 1 of 34
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Settecandela_195 (AA),

Start 2:
• Found in 32 of 38 (84.2%) of genes in pham
• Manual Annotations of this start: 20 of 34
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Alkhayr_16 (O), Ashwin_17 (O), Blessica_16 (O), Catdawg_15 (O), Corndog_18 (O), Dylan_16 (O), Famílton_16 (O), Firecracker_16 (O), Idergollasper_15 (O), Krili_16 (O), MadKillah_17 (O), Mori_16 (O), Murai_16 (O), NiebruSaylor_16 (O), SchoolBus_15 (O), Smooch_17 (O), TelAviv_15 (O), Vorrps_16 (O), Wildflower_16 (O), YungJamal_17 (O),

Start 3:
• Found in 2 of 38 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 34
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Winget_16 (O),

Start 5:
• Found in 2 of 38 (5.3%) of genes in pham
• Manual Annotations of this start: 2 of 34
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Causa_160 (AI), StAugustine_156 (AI),

Start 6:
• Found in 35 of 38 (92.1%) of genes in pham
• Manual Annotations of this start: 10 of 34
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Bora_16 (O), FoulBall_15 (O), Imara_16 (O), JangDynasty_15 (O), KingPhillip3_15 (O), Ryadel_18 (O), Schuy_17 (O), Shida_16 (O), Thonko_51 (B8), Vagabond_16 (O), Wogge42_17 (O), YoyoKar_16 (O), Zakhe101_17 (O), Zebo_15 (O),

Summary by clusters:

There are 4 clusters represented in this pham: AA, AI, B8, O,

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

Info for manual annotations of cluster AI:
•Start number 5 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B8:
•Start number 6 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster O:
•Start number 2 was manually annotated 20 times for cluster O.

•Start number 3 was manually annotated 1 time for cluster O.
•Start number 6 was manually annotated 9 times for cluster O.

Gene Information:

Gene: Alkhayr_16 Start: 6766, Stop: 7140, Start Num: 2
Candidate Starts for Alkhayr_16:
(Start: 2 @6766 has 20 MA's), (Start: 6 @6826 has 10 MA's), (12, 7015), (15, 7045),

Gene: Ashwin_17 Start: 6986, Stop: 7360, Start Num: 2
Candidate Starts for Ashwin_17:
(Start: 2 @6986 has 20 MA's), (Start: 6 @7046 has 10 MA's), (12, 7235), (15, 7265),

Gene: Blessica_16 Start: 6789, Stop: 7163, Start Num: 2
Candidate Starts for Blessica_16:
(Start: 2 @6789 has 20 MA's), (Start: 6 @6849 has 10 MA's), (12, 7038), (15, 7068),

Gene: Bora_16 Start: 6856, Stop: 7170, Start Num: 6
Candidate Starts for Bora_16:
(Start: 2 @6796 has 20 MA's), (Start: 6 @6856 has 10 MA's), (12, 7045), (15, 7075),

Gene: Catdawg_15 Start: 6395, Stop: 6769, Start Num: 2
Candidate Starts for Catdawg_15:
(Start: 2 @6395 has 20 MA's), (Start: 6 @6455 has 10 MA's), (12, 6644), (15, 6674),

Gene: Causa_160 Start: 89550, Stop: 89215, Start Num: 5
Candidate Starts for Causa_160:
(Start: 5 @89550 has 2 MA's), (11, 89337), (13, 89331), (15, 89304),

Gene: Corndog_18 Start: 7098, Stop: 7472, Start Num: 2
Candidate Starts for Corndog_18:
(Start: 2 @7098 has 20 MA's), (Start: 6 @7158 has 10 MA's), (12, 7347), (15, 7377),

Gene: Dylan_16 Start: 6986, Stop: 7360, Start Num: 2
Candidate Starts for Dylan_16:
(Start: 2 @6986 has 20 MA's), (Start: 6 @7046 has 10 MA's), (12, 7235), (15, 7265),

Gene: Familton_16 Start: 6396, Stop: 6770, Start Num: 2
Candidate Starts for Familton_16:
(Start: 2 @6396 has 20 MA's), (Start: 6 @6456 has 10 MA's), (12, 6645), (15, 6675),

Gene: Firecracker_16 Start: 6719, Stop: 7093, Start Num: 2
Candidate Starts for Firecracker_16:
(Start: 2 @6719 has 20 MA's), (Start: 6 @6779 has 10 MA's), (12, 6968), (15, 6998),

Gene: FoulBall_15 Start: 6456, Stop: 6770, Start Num: 6
Candidate Starts for FoulBall_15:
(Start: 2 @6396 has 20 MA's), (Start: 6 @6456 has 10 MA's), (12, 6645), (15, 6675),

Gene: Idergollasper_15 Start: 6396, Stop: 6770, Start Num: 2
Candidate Starts for Idergollasper_15:

(Start: 2 @6396 has 20 MA's), (Start: 6 @6456 has 10 MA's), (12, 6645), (15, 6675),

Gene: Imara_16 Start: 6709, Stop: 7023, Start Num: 6
Candidate Starts for Imara_16:
(Start: 2 @6649 has 20 MA's), (Start: 6 @6709 has 10 MA's), (12, 6898), (15, 6928),

Gene: JangDynasty_15 Start: 6545, Stop: 6859, Start Num: 6
Candidate Starts for JangDynasty_15:
(Start: 2 @6485 has 20 MA's), (Start: 6 @6545 has 10 MA's), (12, 6734), (15, 6764),

Gene: KingPhillip3_15 Start: 6456, Stop: 6770, Start Num: 6
Candidate Starts for KingPhillip3_15:
(Start: 2 @6396 has 20 MA's), (Start: 6 @6456 has 10 MA's), (12, 6645), (15, 6675),

Gene: Krili_16 Start: 6755, Stop: 7129, Start Num: 2
Candidate Starts for Krili_16:
(Start: 2 @6755 has 20 MA's), (Start: 6 @6815 has 10 MA's), (12, 7004), (15, 7034),

Gene: MadKillah_17 Start: 6788, Stop: 7162, Start Num: 2
Candidate Starts for MadKillah_17:
(Start: 2 @6788 has 20 MA's), (Start: 6 @6848 has 10 MA's), (12, 7037), (15, 7067),

Gene: Mori_16 Start: 6627, Stop: 7001, Start Num: 2
Candidate Starts for Mori_16:
(Start: 2 @6627 has 20 MA's), (Start: 6 @6687 has 10 MA's), (12, 6876), (15, 6906),

Gene: Murai_16 Start: 6627, Stop: 7001, Start Num: 2
Candidate Starts for Murai_16:
(Start: 2 @6627 has 20 MA's), (Start: 6 @6687 has 10 MA's), (12, 6876), (15, 6906),

Gene: NiebruSaylor_16 Start: 6627, Stop: 7001, Start Num: 2
Candidate Starts for NiebruSaylor_16:
(Start: 2 @6627 has 20 MA's), (Start: 6 @6687 has 10 MA's), (12, 6876), (15, 6906),

Gene: Ryadel_18 Start: 7269, Stop: 7583, Start Num: 6
Candidate Starts for Ryadel_18:
(Start: 2 @7209 has 20 MA's), (Start: 6 @7269 has 10 MA's), (12, 7458), (15, 7488),

Gene: SchoolBus_15 Start: 6396, Stop: 6770, Start Num: 2
Candidate Starts for SchoolBus_15:
(Start: 2 @6396 has 20 MA's), (Start: 6 @6456 has 10 MA's), (12, 6645), (15, 6675),

Gene: Schuy_17 Start: 6848, Stop: 7162, Start Num: 6
Candidate Starts for Schuy_17:
(Start: 2 @6788 has 20 MA's), (Start: 6 @6848 has 10 MA's), (12, 7037), (15, 7067),

Gene: Settecandela_195 Start: 123754, Stop: 124140, Start Num: 1
Candidate Starts for Settecandela_195:
(Start: 1 @123754 has 1 MA's), (9, 124012), (10, 124021), (18, 124111),

Gene: Shida_16 Start: 6753, Stop: 7067, Start Num: 6
Candidate Starts for Shida_16:
(Start: 2 @6693 has 20 MA's), (Start: 6 @6753 has 10 MA's), (12, 6942), (15, 6972),

Gene: Smooch_17 Start: 6942, Stop: 7316, Start Num: 2
Candidate Starts for Smooch_17:
(Start: 2 @6942 has 20 MA's), (Start: 6 @7002 has 10 MA's), (12, 7191), (15, 7221),

Gene: StAugustine_156 Start: 90648, Stop: 90313, Start Num: 5
Candidate Starts for StAugustine_156:
(4, 90651), (Start: 5 @90648 has 2 MA's), (11, 90435), (13, 90429), (15, 90402), (16, 90393),

Gene: TelAviv_15 Start: 6393, Stop: 6767, Start Num: 2
Candidate Starts for TelAviv_15:
(Start: 2 @6393 has 20 MA's), (Start: 6 @6453 has 10 MA's), (12, 6642), (15, 6672),

Gene: Thonko_51 Start: 44134, Stop: 43847, Start Num: 6
Candidate Starts for Thonko_51:
(Start: 6 @44134 has 10 MA's), (7, 44053), (8, 44032), (14, 43909), (17, 43858),

Gene: Vagabond_16 Start: 6730, Stop: 7044, Start Num: 6
Candidate Starts for Vagabond_16:
(Start: 3 @6688 has 1 MA's), (Start: 6 @6730 has 10 MA's), (12, 6919), (15, 6949),

Gene: Vorrps_16 Start: 6627, Stop: 7001, Start Num: 2
Candidate Starts for Vorrps_16:
(Start: 2 @6627 has 20 MA's), (Start: 6 @6687 has 10 MA's), (12, 6876), (15, 6906),

Gene: Wildflower_16 Start: 6650, Stop: 7024, Start Num: 2
Candidate Starts for Wildflower_16:
(Start: 2 @6650 has 20 MA's), (Start: 6 @6710 has 10 MA's), (12, 6899), (15, 6929),

Gene: Winget_16 Start: 6687, Stop: 7043, Start Num: 3
Candidate Starts for Winget_16:
(Start: 3 @6687 has 1 MA's), (Start: 6 @6729 has 10 MA's), (12, 6918), (15, 6948),

Gene: Wogge42_17 Start: 6818, Stop: 7132, Start Num: 6
Candidate Starts for Wogge42_17:
(Start: 2 @6758 has 20 MA's), (Start: 6 @6818 has 10 MA's), (12, 7007), (15, 7037),

Gene: YoyoKar_16 Start: 6457, Stop: 6771, Start Num: 6
Candidate Starts for YoyoKar_16:
(Start: 2 @6397 has 20 MA's), (Start: 6 @6457 has 10 MA's), (12, 6646), (15, 6676),

Gene: YungJamal_17 Start: 6978, Stop: 7352, Start Num: 2
Candidate Starts for YungJamal_17:
(Start: 2 @6978 has 20 MA's), (Start: 6 @7038 has 10 MA's), (12, 7227), (15, 7257),

Gene: Zakhe101_17 Start: 7050, Stop: 7364, Start Num: 6
Candidate Starts for Zakhe101_17:
(Start: 2 @6990 has 20 MA's), (Start: 6 @7050 has 10 MA's), (12, 7239), (15, 7269),

Gene: Zebo_15 Start: 6456, Stop: 6770, Start Num: 6
Candidate Starts for Zebo_15:
(Start: 2 @6396 has 20 MA's), (Start: 6 @6456 has 10 MA's), (12, 6645), (15, 6675),