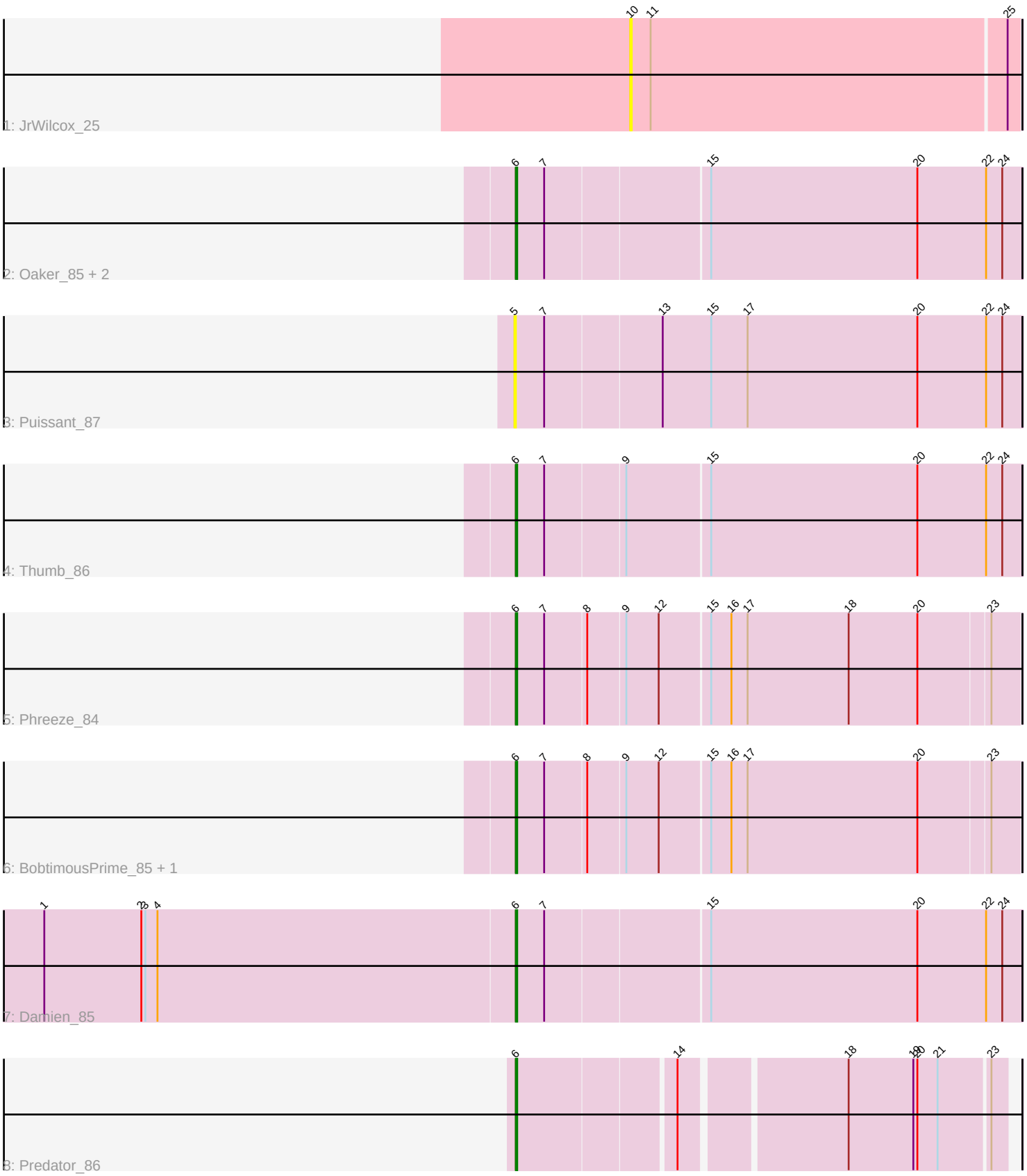
Pham 297164


10
11
25
1: JrWilcox_25
6
7
15
20
22
24
2: Oaker_85 + 2
5
7
13
15
17
20
22
24
3: Puissant_87
6
7
9
15
20
22
24
4: Thumb_86
6
7
8
9
12
15
16
17
18
20
23
5: Phreeze_84
6
7
8
9
12
15
16
17
20
23
6: BobtimousPrime_85 + 1
1
3
4
6
7
15
20
22
24
7: Damien_85
6
14
18
19
20
21
23
8: Predator_86

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 297164 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297164 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : JrWilcox_25
• Track 2 : Oaker_85, Megatron06_86, Beckerton_84
• Track 3 : Puissant_87
• Track 4 : Thumb_86
• Track 5 : Phreeze_84
• Track 6 : BobtimousPrime_85, Konstantine_88
• Track 7 : Damien_85
• Track 8 : Predator_86

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

The start number called the most often in the published annotations is 6, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_84, BobtimousPrime_85, Damien_85, Konstantine_88, Megatron06_86, Oaker_85, Phreeze_84, Predator_86, Thumb_86,

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

Genes that do not have the "Most Annotated" start:
• JrWilcox_25, Puissant_87,

Summary by start number:

Start 5:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Puissant_87 (H1),

Start 6:
• Found in 9 of 11 (81.8%) of genes in pham

• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_84 (H1), BobtimousPrime_85 (H1), Damien_85 (H1), Konstantine_88 (H1), Megatron06_86 (H1), Oaker_85 (H1), Phreeze_84 (H1), Predator_86 (H1), Thumb_86 (H1),

Start 10:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JrWilcox_25 (GL),

Summary by clusters:

There are 2 clusters represented in this pham: GL, H1,

Info for manual annotations of cluster H1:
•Start number 6 was manually annotated 8 times for cluster H1.

Gene Information:

Gene: Beckerton_84 Start: 62501, Stop: 62869, Start Num: 6
Candidate Starts for Beckerton_84:
(Start: 6 @62501 has 8 MA's), (7, 62522), (15, 62639), (20, 62792), (22, 62843), (24, 62855),

Gene: BobtimousPrime_85 Start: 62752, Stop: 63114, Start Num: 6
Candidate Starts for BobtimousPrime_85:
(Start: 6 @62752 has 8 MA's), (7, 62773), (8, 62803), (9, 62830), (12, 62854), (15, 62890), (16, 62905), (17, 62917), (20, 63043), (23, 63094),

Gene: Damien_85 Start: 61997, Stop: 62365, Start Num: 6
Candidate Starts for Damien_85:
(1, 61649), (2, 61721), (3, 61724), (4, 61733), (Start: 6 @61997 has 8 MA's), (7, 62018), (15, 62135), (20, 62288), (22, 62339), (24, 62351),

Gene: JrWilcox_25 Start: 16214, Stop: 16498, Start Num: 10
Candidate Starts for JrWilcox_25:
(10, 16214), (11, 16229), (25, 16490),

Gene: Konstantine_88 Start: 62501, Stop: 62863, Start Num: 6
Candidate Starts for Konstantine_88:
(Start: 6 @62501 has 8 MA's), (7, 62522), (8, 62552), (9, 62579), (12, 62603), (15, 62639), (16, 62654), (17, 62666), (20, 62792), (23, 62843),

Gene: Megatron06_86 Start: 62582, Stop: 62950, Start Num: 6
Candidate Starts for Megatron06_86:
(Start: 6 @62582 has 8 MA's), (7, 62603), (15, 62720), (20, 62873), (22, 62924), (24, 62936),

Gene: Oaker_85 Start: 62599, Stop: 62967, Start Num: 6
Candidate Starts for Oaker_85:

(Start: 6 @62599 has 8 MA's), (7, 62620), (15, 62737), (20, 62890), (22, 62941), (24, 62953),

Gene: Phreeze_84 Start: 61531, Stop: 61893, Start Num: 6
Candidate Starts for Phreeze_84:
(Start: 6 @61531 has 8 MA's), (7, 61552), (8, 61582), (9, 61609), (12, 61633), (15, 61669), (16, 61684), (17, 61696), (18, 61771), (20, 61822), (23, 61873),

Gene: Predator_86 Start: 63141, Stop: 63479, Start Num: 6
Candidate Starts for Predator_86:
(Start: 6 @63141 has 8 MA's), (14, 63252), (18, 63366), (19, 63414), (20, 63417), (21, 63432), (23, 63468),

Gene: Puissant_87 Start: 62176, Stop: 62547, Start Num: 5
Candidate Starts for Puissant_87:
(5, 62176), (7, 62197), (13, 62281), (15, 62317), (17, 62344), (20, 62470), (22, 62521), (24, 62533),

Gene: Thumb_86 Start: 61951, Stop: 62319, Start Num: 6
Candidate Starts for Thumb_86:
(Start: 6 @61951 has 8 MA's), (7, 61972), (9, 62029), (15, 62089), (20, 62242), (22, 62293), (24, 62305),