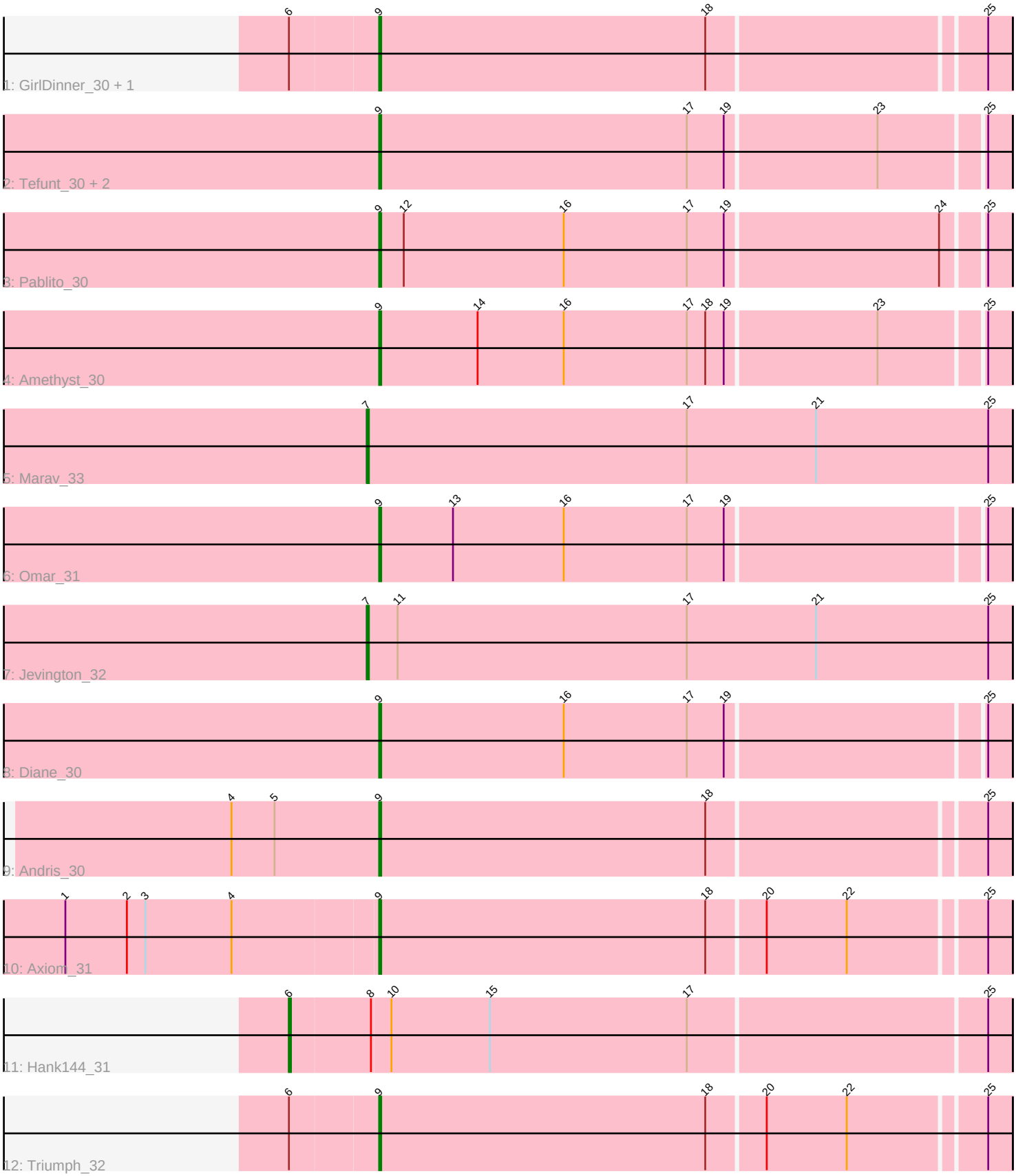
Pham 281002


6
9
18
25
1: GirlDinner_30 + 1
9
17
19
23
25
2: Tefunt_30 + 2
9
12
16
17
19
24
25
3: Pablito_30
9
14
16
17
18
19
23
25
4: Amethyst_30
7
17
21
25
5: Marav_33
9
13
16
17
19
25
6: Omar_31
7
11
17
21
25
7: Jevington_32
9
16
17
19
25
8: Diane_30
4
5
9
18
25
9: Andris_30
1
2
3
4
9
18
20
22
25
10: Axiom_31
6
8
10
15
17
25
11: Hank144_31
6
9
18
20
22
25
12: Triumph_32

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 281002 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281002 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : GirlDinner_30, Janus_31
• Track 2 : Tefunt_30, Nishikigoi_30, Haizum_30
• Track 3 : Pablito_30
• Track 4 : Amethyst_30
• Track 5 : Marav_33
• Track 6 : Omar_31
• Track 7 : Jevington_32
• Track 8 : Diane_30
• Track 9 : Andris_30
• Track 10 : Axiom_31
• Track 11 : Hank144_31
• Track 12 : Triumph_32

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 12 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amethyst_30, Andris_30, Axiom_31, Diane_30, GirlDinner_30, Haizum_30, Janus_31, Nishikigoi_30, Omar_31, Pablito_30, Tefunt_30, Triumph_32,

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

Genes that do not have the "Most Annotated" start:
• Hank144_31, Jevington_32, Marav_33,

Summary by start number:

Start 6:
• Found in 4 of 15 (26.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 25.0% of time when present

• Phage (with cluster) where this start called: Hank144_31 (BD2),

Start 7:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jevington_32 (BD2), Marav_33 (BD2),

Start 9:
• Found in 12 of 15 (80.0%) of genes in pham
• Manual Annotations of this start: 12 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amethyst_30 (BD2), Andris_30 (BD2), Axiom_31 (BD2), Diane_30 (BD2), GirlDinner_30 (BD2), Haizum_30 (BD2), Janus_31 (BD2), Nishikigoi_30 (BD2), Omar_31 (BD2), Pablito_30 (BD2), Tefunt_30 (BD2), Triumph_32 (BD2),

Summary by clusters:

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:
•Start number 6 was manually annotated 1 time for cluster BD2.
•Start number 7 was manually annotated 2 times for cluster BD2.
•Start number 9 was manually annotated 12 times for cluster BD2.

Gene Information:

Gene: Amethyst_30 Start: 23945, Stop: 24244, Start Num: 9
Candidate Starts for Amethyst_30:
(Start: 9 @23945 has 12 MA's), (14, 23993), (16, 24035), (17, 24095), (18, 24104), (19, 24113), (23, 24185), (25, 24233),

Gene: Andris_30 Start: 23975, Stop: 24274, Start Num: 9
Candidate Starts for Andris_30:
(4, 23903), (5, 23924), (Start: 9 @23975 has 12 MA's), (18, 24134), (25, 24263),

Gene: Axiom_31 Start: 24146, Stop: 24445, Start Num: 9
Candidate Starts for Axiom_31:
(1, 23996), (2, 24026), (3, 24035), (4, 24077), (Start: 9 @24146 has 12 MA's), (18, 24305), (20, 24332), (22, 24371), (25, 24434),

Gene: Diane_30 Start: 24288, Stop: 24587, Start Num: 9
Candidate Starts for Diane_30:
(Start: 9 @24288 has 12 MA's), (16, 24378), (17, 24438), (19, 24456), (25, 24576),

Gene: GirlDinner_30 Start: 23927, Stop: 24226, Start Num: 9
Candidate Starts for GirlDinner_30:
(Start: 6 @23885 has 1 MA's), (Start: 9 @23927 has 12 MA's), (18, 24086), (25, 24215),

Gene: Haizum_30 Start: 23962, Stop: 24261, Start Num: 9

Candidate Starts for Haizum_30:
(Start: 9 @23962 has 12 MA's), (17, 24112), (19, 24130), (23, 24202), (25, 24250),

Gene: Hank144_31 Start: 24298, Stop: 24642, Start Num: 6
Candidate Starts for Hank144_31:
(Start: 6 @24298 has 1 MA's), (8, 24337), (10, 24346), (15, 24394), (17, 24490), (25, 24631),

Gene: Janus_31 Start: 24265, Stop: 24564, Start Num: 9
Candidate Starts for Janus_31:
(Start: 6 @24223 has 1 MA's), (Start: 9 @24265 has 12 MA's), (18, 24424), (25, 24553),

Gene: Jevington_32 Start: 24613, Stop: 24927, Start Num: 7
Candidate Starts for Jevington_32:
(Start: 7 @24613 has 2 MA's), (11, 24628), (17, 24769), (21, 24832), (25, 24916),

Gene: Marav_33 Start: 24943, Stop: 25257, Start Num: 7
Candidate Starts for Marav_33:
(Start: 7 @24943 has 2 MA's), (17, 25099), (21, 25162), (25, 25246),

Gene: Nishikigoi_30 Start: 23962, Stop: 24261, Start Num: 9
Candidate Starts for Nishikigoi_30:
(Start: 9 @23962 has 12 MA's), (17, 24112), (19, 24130), (23, 24202), (25, 24250),

Gene: Omar_31 Start: 24224, Stop: 24523, Start Num: 9
Candidate Starts for Omar_31:
(Start: 9 @24224 has 12 MA's), (13, 24260), (16, 24314), (17, 24374), (19, 24392), (25, 24512),

Gene: Pablito_30 Start: 23843, Stop: 24142, Start Num: 9
Candidate Starts for Pablito_30:
(Start: 9 @23843 has 12 MA's), (12, 23855), (16, 23933), (17, 23993), (19, 24011), (24, 24113), (25, 24131),

Gene: Tefunt_30 Start: 23965, Stop: 24264, Start Num: 9
Candidate Starts for Tefunt_30:
(Start: 9 @23965 has 12 MA's), (17, 24115), (19, 24133), (23, 24205), (25, 24253),

Gene: Triumph_32 Start: 24163, Stop: 24462, Start Num: 9
Candidate Starts for Triumph_32:
(Start: 6 @24121 has 1 MA's), (Start: 9 @24163 has 12 MA's), (18, 24322), (20, 24349), (22, 24388), (25, 24451),