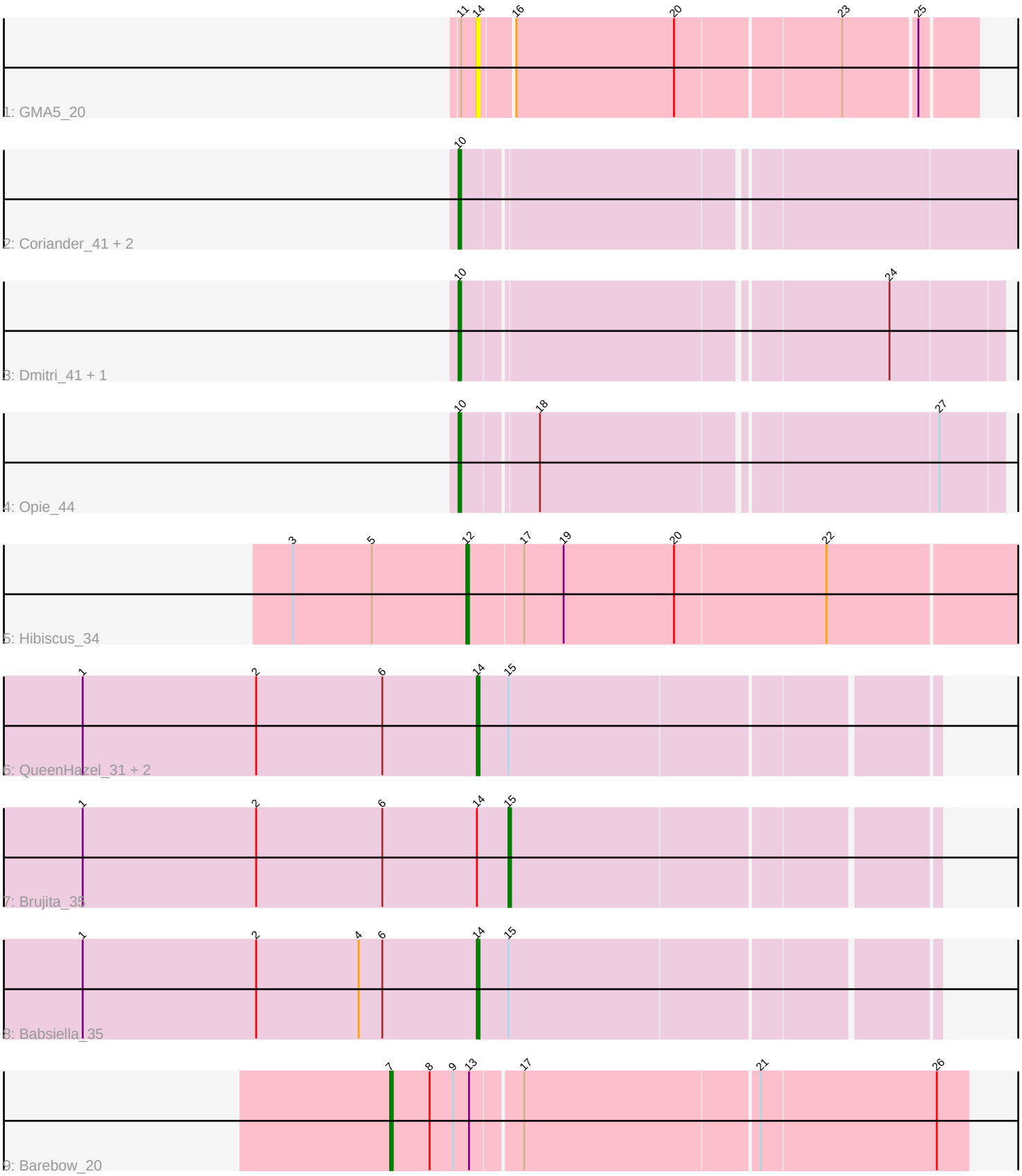
Pham 214781


11
14
16
20
23
25
1: GMA5_20
10
2: Coriander_41 + 2
10
24
3: Dmitri_41 + 1
10
18
27
4: Opie_44
3
5
12
17
19
20
22
5: Hibiscus_34
1
2
6
14
15
6: QueenHazel_31 + 2
1
2
6
14
15
7: Brujita_35
1
2
4
6
14
15
8: Babsiella_35
7
8
9
13
17
21
26
9: Barebow_20

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 214781 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214781 has 14 members, 4 are drafts.

Phages represented in each track:
• Track 1 : GMA5_20
• Track 2 : Coriander_41, TaronosaurasRx_43, Doggs_38
• Track 3 : Dmitri_41, Moonflower_40
• Track 4 : Opie_44
• Track 5 : Hibiscus_34
• Track 6 : QueenHazel_31, Xula_30, Island3_35
• Track 7 : Brujita_35
• Track 8 : Babsiella_35
• Track 9 : Barebow_20

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

The start number called the most often in the published annotations is 14, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Babsiella_35, GMA5_20, Island3_35, QueenHazel_31, Xula_30,

Genes that have the "Most Annotated" start but do not call it:
• Brujita_35,

Genes that do not have the "Most Annotated" start:
• Barebow_20, Coriander_41, Dmitri_41, Doggs_38, Hibiscus_34, Moonflower_40, Opie_44, TaronosaurasRx_43,

Summary by start number:

Start 7:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barebow_20 (singleton),

Start 10:

• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Coriander_41 (DB), Dmitri_41 (DB), Doggs_38 (DB), Moonflower_40 (DB), Opie_44 (DB), TaronosaurasRx_43 (DB),

Start 12:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hibiscus_34 (DY),

Start 14:
• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Babsiella_35 (I1), GMA5_20 (CW2), Island3_35 (I1), QueenHazel_31 (I1), Xula_30 (I1),

Start 15:
• Found in 5 of 14 (35.7%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Brujita_35 (I1),

Summary by clusters:

There are 5 clusters represented in this pham: I1, singleton, CW2, DB, DY,

Info for manual annotations of cluster DB:
•Start number 10 was manually annotated 3 times for cluster DB.

Info for manual annotations of cluster DY:
•Start number 12 was manually annotated 1 time for cluster DY.

Info for manual annotations of cluster I1:
•Start number 14 was manually annotated 4 times for cluster I1.
•Start number 15 was manually annotated 1 time for cluster I1.

Gene Information:

Gene: Babsiella_35 Start: 28713, Stop: 28880, Start Num: 14
Candidate Starts for Babsiella_35:
(1, 28563), (2, 28629), (4, 28668), (6, 28677), (Start: 14 @28713 has 4 MA's), (Start: 15 @28725 has 1 MA's),

Gene: Barebow_20 Start: 15759, Stop: 15971, Start Num: 7
Candidate Starts for Barebow_20:
(Start: 7 @15759 has 1 MA's), (8, 15774), (9, 15783), (13, 15789), (17, 15807), (21, 15894), (26, 15960),

Gene: Brujita_35 Start: 29623, Stop: 29778, Start Num: 15
Candidate Starts for Brujita_35:
(1, 29461), (2, 29527), (6, 29575), (Start: 14 @29611 has 4 MA's), (Start: 15 @29623 has 1 MA's),

Gene: Coriander_41 Start: 31926, Stop: 32126, Start Num: 10
Candidate Starts for Coriander_41:
(Start: 10 @31926 has 3 MA's),

Gene: Dmitri_41 Start: 33516, Stop: 33710, Start Num: 10
Candidate Starts for Dmitri_41:
(Start: 10 @33516 has 3 MA's), (24, 33669),

Gene: Doggs_38 Start: 32655, Stop: 32855, Start Num: 10
Candidate Starts for Doggs_38:
(Start: 10 @32655 has 3 MA's),

Gene: GMA5_20 Start: 14712, Stop: 14891, Start Num: 14
Candidate Starts for GMA5_20:
(11, 14706), (Start: 14 @14712 has 4 MA's), (16, 14724), (20, 14784), (23, 14844), (25, 14871),

Gene: Hibiscus_34 Start: 25548, Stop: 25775, Start Num: 12
Candidate Starts for Hibiscus_34:
(3, 25482), (5, 25512), (Start: 12 @25548 has 1 MA's), (17, 25569), (19, 25584), (20, 25626), (22, 25683),

Gene: Island3_35 Start: 29611, Stop: 29778, Start Num: 14
Candidate Starts for Island3_35:
(1, 29461), (2, 29527), (6, 29575), (Start: 14 @29611 has 4 MA's), (Start: 15 @29623 has 1 MA's),

Gene: Moonflower_40 Start: 33379, Stop: 33573, Start Num: 10
Candidate Starts for Moonflower_40:
(Start: 10 @33379 has 3 MA's), (24, 33532),

Gene: Opie_44 Start: 33313, Stop: 33507, Start Num: 10
Candidate Starts for Opie_44:
(Start: 10 @33313 has 3 MA's), (18, 33340), (27, 33484),

Gene: QueenHazel_31 Start: 27647, Stop: 27814, Start Num: 14
Candidate Starts for QueenHazel_31:
(1, 27497), (2, 27563), (6, 27611), (Start: 14 @27647 has 4 MA's), (Start: 15 @27659 has 1 MA's),

Gene: TaronosaurasRx_43 Start: 31715, Stop: 31909, Start Num: 10
Candidate Starts for TaronosaurasRx_43:
(Start: 10 @31715 has 3 MA's),

Gene: Xula_30 Start: 27171, Stop: 27338, Start Num: 14
Candidate Starts for Xula_30:
(1, 27021), (2, 27087), (6, 27135), (Start: 14 @27171 has 4 MA's), (Start: 15 @27183 has 1 MA's),