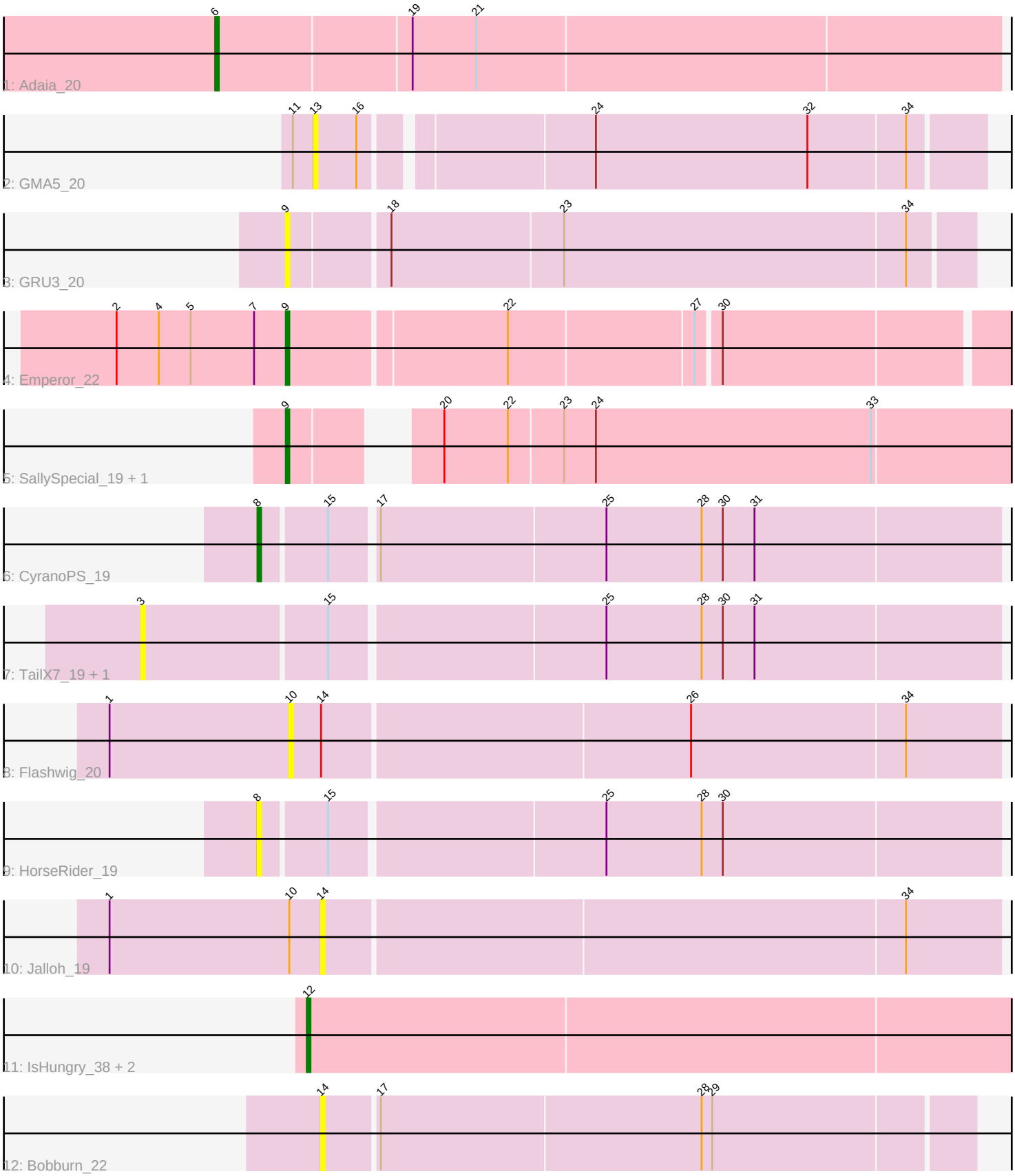
Pham 305386


6
19
21
1: Adaia_20
11
13
16
24
32
34
2: GMA5_20
9
18
23
34
3: GRU3_20
2
4
5
7
9
22
27
30
4: Emperor_22
9
20
22
23
24
33
5: SallySpecial_19 + 1
8
15
17
25
28
30
31
6: CyranoPS_19
3
15
25
28
30
31
7: TailX7_19 + 1
1
10
14
26
34
8: Flashwig_20
8
15
25
28
30
9: HorseRider_19
1
10
14
34
10: Jalloh_19
12
11: IsHungry_38 + 2
14
17
28
29
12: Bobburn_22

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 305386 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305386 has 16 members, 10 are drafts.

Phages represented in each track:
• Track 1 : Adaia_20
• Track 2 : GMA5_20
• Track 3 : GRU3_20
• Track 4 : Emperor_22
• Track 5 : SallySpecial_19, Dirtfootball_22
• Track 6 : CyranoPS_19
• Track 7 : TailX7_19, CarefulCloud_19
• Track 8 : Flashwig_20
• Track 9 : HorseRider_19
• Track 10 : Jalloh_19
• Track 11 : IsHungry_38, Dirtdigger_44, Gusanita_41
• Track 12 : Bobburn_22

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

The start number called the most often in the published annotations is 12, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dirtdigger_44, Gusanita_41, IsHungry_38,

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

Genes that do not have the "Most Annotated" start:
• Adaia_20, Bobburn_22, CarefulCloud_19, CyranoPS_19, Dirtfootball_22, Emperor_22, Flashwig_20, GMA5_20, GRU3_20, HorseRider_19, Jalloh_19, SallySpecial_19, TailX7_19,

Summary by start number:

Start 3:
• Found in 2 of 16 (12.5%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: CarefulCloud_19 (ER), TailX7_19 (ER),

Start 6:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adaia_20 (AX),

Start 8:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CyranoPS_19 (ER), HorseRider_19 (ER),

Start 9:
• Found in 4 of 16 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dirtfootball_22 (DM), Emperor_22 (DM), GRU3_20 (CW2), SallySpecial_19 (DM),

Start 10:
• Found in 2 of 16 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Flashwig_20 (ER),

Start 12:
• Found in 3 of 16 (18.8%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dirtdigger_44 (FF), Gusanita_41 (FF), IsHungry_38 (FF),

Start 13:
• Found in 1 of 16 (6.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA5_20 (CW2),

Start 14:
• Found in 3 of 16 (18.8%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Bobburn_22 (singleton), Jalloh_19 (ER),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, DM, CW2, FF, AX, ER,

Info for manual annotations of cluster AX:

•Start number 6 was manually annotated 1 time for cluster AX.

Info for manual annotations of cluster DM:
•Start number 9 was manually annotated 2 times for cluster DM.

Info for manual annotations of cluster ER:
•Start number 8 was manually annotated 1 time for cluster ER.

Info for manual annotations of cluster FF:
•Start number 12 was manually annotated 2 times for cluster FF.

Gene Information:

Gene: Adaia_20 Start: 13289, Stop: 13507, Start Num: 6
Candidate Starts for Adaia_20:
(Start: 6 @13289 has 1 MA's), (19, 13343), (21, 13361),

Gene: Bobburn_22 Start: 15584, Stop: 15763, Start Num: 14
Candidate Starts for Bobburn_22:
(14, 15584), (17, 15599), (28, 15689), (29, 15692),

Gene: CarefulCloud_19 Start: 12759, Stop: 12995, Start Num: 3
Candidate Starts for CarefulCloud_19:
(3, 12759), (15, 12810), (25, 12885), (28, 12912), (30, 12918), (31, 12927),

Gene: CyranoPS_19 Start: 12813, Stop: 13016, Start Num: 8
Candidate Starts for CyranoPS_19:
(Start: 8 @12813 has 1 MA's), (15, 12831), (17, 12843), (25, 12906), (28, 12933), (30, 12939), (31, 12948),

Gene: Dirtdigger_44 Start: 30893, Stop: 31102, Start Num: 12
Candidate Starts for Dirtdigger_44:
(Start: 12 @30893 has 2 MA's),

Gene: Dirtfootball_22 Start: 14446, Stop: 14637, Start Num: 9
Candidate Starts for Dirtfootball_22:
(Start: 9 @14446 has 2 MA's), (20, 14476), (22, 14494), (23, 14509), (24, 14518), (33, 14596),

Gene: Emperor_22 Start: 15163, Stop: 15360, Start Num: 9
Candidate Starts for Emperor_22:
(2, 15115), (4, 15127), (5, 15136), (7, 15154), (Start: 9 @15163 has 2 MA's), (22, 15223), (27, 15274), (30, 15280),

Gene: Flashwig_20 Start: 13383, Stop: 13580, Start Num: 10
Candidate Starts for Flashwig_20:
(1, 13332), (10, 13383), (14, 13392), (26, 13494), (34, 13554),

Gene: GMA5_20 Start: 14712, Stop: 14891, Start Num: 13
Candidate Starts for GMA5_20:
(11, 14706), (13, 14712), (16, 14724), (24, 14784), (32, 14844), (34, 14871),

Gene: GRU3_20 Start: 14761, Stop: 14949, Start Num: 9
Candidate Starts for GRU3_20:
(Start: 9 @14761 has 2 MA's), (18, 14788), (23, 14836), (34, 14932),

Gene: Gusanita_41 Start: 30644, Stop: 30853, Start Num: 12
Candidate Starts for Gusanita_41:
(Start: 12 @30644 has 2 MA's),

Gene: HorseRider_19 Start: 12860, Stop: 13063, Start Num: 8
Candidate Starts for HorseRider_19:
(Start: 8 @12860 has 1 MA's), (15, 12878), (25, 12953), (28, 12980), (30, 12986),

Gene: IsHungry_38 Start: 28831, Stop: 29040, Start Num: 12
Candidate Starts for IsHungry_38:
(Start: 12 @28831 has 2 MA's),

Gene: Jalloh_19 Start: 12648, Stop: 12836, Start Num: 14
Candidate Starts for Jalloh_19:
(1, 12588), (10, 12639), (14, 12648), (34, 12810),

Gene: SallySpecial_19 Start: 14475, Stop: 14666, Start Num: 9
Candidate Starts for SallySpecial_19:
(Start: 9 @14475 has 2 MA's), (20, 14505), (22, 14523), (23, 14538), (24, 14547), (33, 14625),

Gene: TailX7_19 Start: 12907, Stop: 13143, Start Num: 3
Candidate Starts for TailX7_19:
(3, 12907), (15, 12958), (25, 13033), (28, 13060), (30, 13066), (31, 13075),