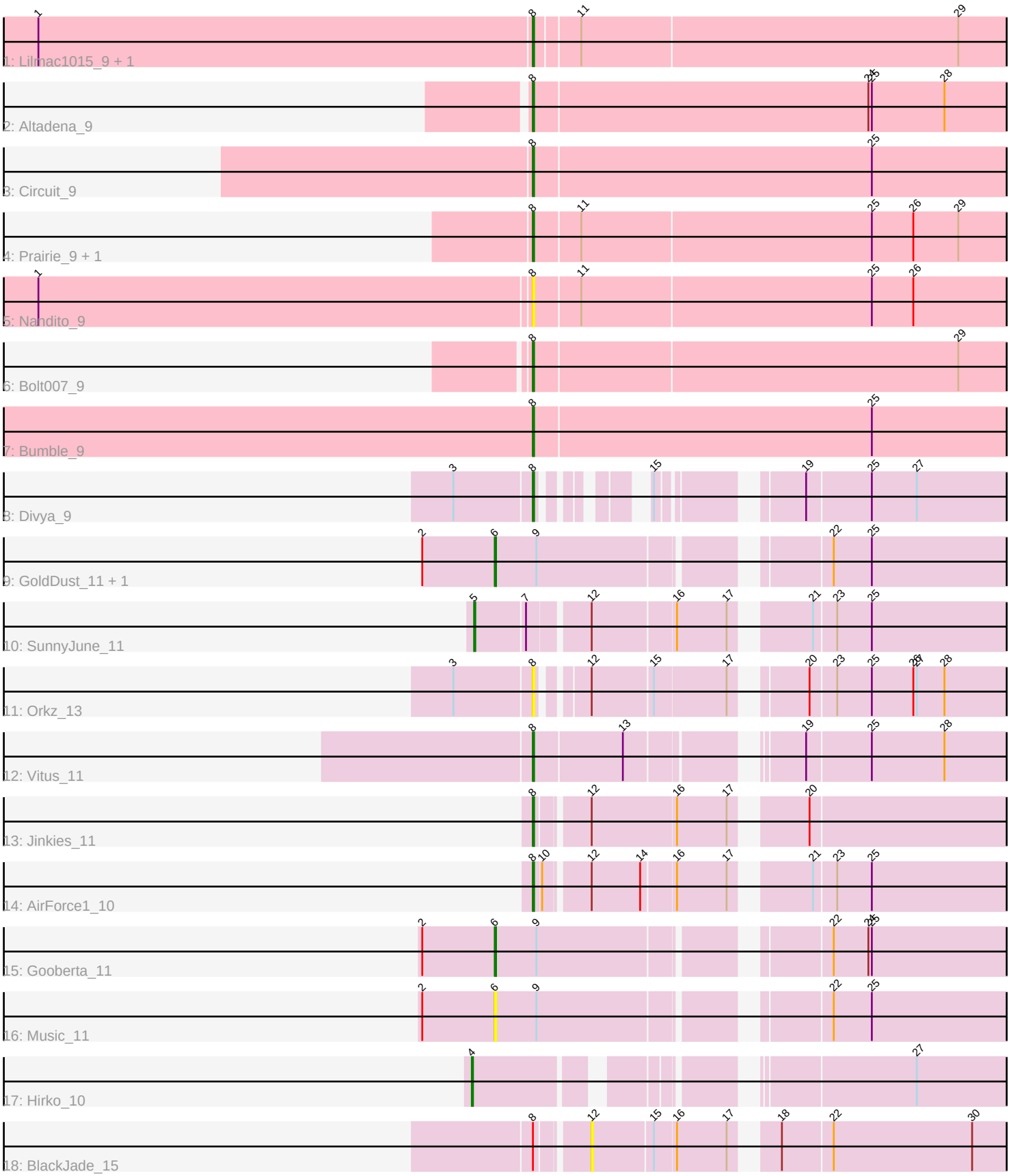
Pham 321832


1: Lilmac1015_9 + 1
2: Altadena_9
3: Circuit_9
4: Prairie_9 + 1
5: Nandito_9
6: Bolt007_9
7: Bumble_9
8: Divya_9
9: GoldDust_11 + 1
10: SunnyJune_11
11: Orkz_13
12: Vitus_11
13: Jinkies_11
14: AirForce1_10
15: Gooberta_11
16: Music_11
17: Hirko_10
18: BlackJade_15

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 321832 Report

This analysis was run 09/05/26 on database version 662.

Pham number 321832 has 21 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Lilmac1015_9, CalWood4100_9
• Track 2 : Altadena_9
• Track 3 : Circuit_9
• Track 4 : Prairie_9, Klevey_9
• Track 5 : Nandito_9
• Track 6 : Bolt007_9
• Track 7 : Bumble_9
• Track 8 : Divya_9
• Track 9 : GoldDust_11, Vibaki_11
• Track 10 : SunnyJune_11
• Track 11 : Orkz_13
• Track 12 : Vitus_11
• Track 13 : Jinkies_11
• Track 14 : AirForce1_10
• Track 15 : Gooberta_11
• Track 16 : Music_11
• Track 17 : Hirko_10
• Track 18 : BlackJade_15

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

The start number called the most often in the published annotations is 8, it was called in 11 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AirForce1_10, Altadena_9, Bolt007_9, Bumble_9, CalWood4100_9, Circuit_9, Divya_9, Jinkies_11, Klevey_9, Lilmac1015_9, Nandito_9, Orkz_13, Prairie_9, Vitus_11,

Genes that have the "Most Annotated" start but do not call it:
• BlackJade_15,

Genes that do not have the "Most Annotated" start:
• GoldDust_11, Gooberta_11, Hirko_10, Music_11, SunnyJune_11, Vibaki_11,

Summary by start number:

Start 4:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hirko_10 (FL),

Start 5:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SunnyJune_11 (FL),

Start 6:
• Found in 4 of 21 (19.0%) of genes in pham
• Manual Annotations of this start: 3 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GoldDust_11 (FL), Gooberta_11 (FL), Music_11 (FL), Vibaki_11 (FL),

Start 8:
• Found in 15 of 21 (71.4%) of genes in pham
• Manual Annotations of this start: 11 of 16
• Called 93.3% of time when present
• Phage (with cluster) where this start called: AirForce1_10 (FL), Altadena_9 (FH), Bolt007_9 (FH), Bumble_9 (FH), CalWood4100_9 (FH), Circuit_9 (FH), Divya_9 (FL), Jinkies_11 (FL), Klevey_9 (FH), Lilmac1015_9 (FH), Nandito_9 (FH), Orkz_13 (FL), Prairie_9 (FH), Vitus_11 (FL),

Start 12:
• Found in 5 of 21 (23.8%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: BlackJade_15 (FL),

Summary by clusters:

There are 2 clusters represented in this pham: FH, FL,

Info for manual annotations of cluster FH:
•Start number 8 was manually annotated 7 times for cluster FH.

Info for manual annotations of cluster FL:
•Start number 4 was manually annotated 1 time for cluster FL.
•Start number 5 was manually annotated 1 time for cluster FL.
•Start number 6 was manually annotated 3 times for cluster FL.
•Start number 8 was manually annotated 4 times for cluster FL.

Gene Information:

Gene: AirForce1_10 Start: 7934, Stop: 8320, Start Num: 8
Candidate Starts for AirForce1_10:
(Start: 8 @7934 has 11 MA's), (10, 7940), (12, 7973), (14, 8015), (16, 8042), (17, 8084), (21, 8138), (23, 8156), (25, 8186),

Gene: Altadena_9 Start: 8045, Stop: 8473, Start Num: 8
Candidate Starts for Altadena_9:
(Start: 8 @8045 has 11 MA's), (24, 8333), (25, 8336), (28, 8399),

Gene: BlackJade_15 Start: 10304, Stop: 10651, Start Num: 12
Candidate Starts for BlackJade_15:
(Start: 8 @10265 has 11 MA's), (12, 10304), (15, 10355), (16, 10373), (17, 10415), (18, 10442), (22, 10484), (30, 10604),

Gene: Bolt007_9 Start: 7996, Stop: 8418, Start Num: 8
Candidate Starts for Bolt007_9:
(Start: 8 @7996 has 11 MA's), (29, 8359),

Gene: Bumble_9 Start: 8062, Stop: 8487, Start Num: 8
Candidate Starts for Bumble_9:
(Start: 8 @8062 has 11 MA's), (25, 8353),

Gene: CalWood4100_9 Start: 7982, Stop: 8401, Start Num: 8
Candidate Starts for CalWood4100_9:
(1, 7556), (Start: 8 @7982 has 11 MA's), (11, 8018), (29, 8342),

Gene: Circuit_9 Start: 8048, Stop: 8473, Start Num: 8
Candidate Starts for Circuit_9:
(Start: 8 @8048 has 11 MA's), (25, 8339),

Gene: Divya_9 Start: 7596, Stop: 7934, Start Num: 8
Candidate Starts for Divya_9:
(3, 7530), (Start: 8 @7596 has 11 MA's), (15, 7650), (19, 7746), (25, 7800), (27, 7839),

Gene: GoldDust_11 Start: 10176, Stop: 10595, Start Num: 6
Candidate Starts for GoldDust_11:
(2, 10113), (Start: 6 @10176 has 3 MA's), (9, 10209), (22, 10428), (25, 10461),

Gene: Gooberta_11 Start: 10176, Stop: 10595, Start Num: 6
Candidate Starts for Gooberta_11:
(2, 10113), (Start: 6 @10176 has 3 MA's), (9, 10209), (22, 10428), (24, 10458), (25, 10461),

Gene: Hirko_10 Start: 9608, Stop: 10018, Start Num: 4
Candidate Starts for Hirko_10:
(Start: 4 @9608 has 1 MA's), (27, 9923),

Gene: Jinkies_11 Start: 8933, Stop: 9322, Start Num: 8
Candidate Starts for Jinkies_11:
(Start: 8 @8933 has 11 MA's), (12, 8972), (16, 9044), (17, 9086), (20, 9137),

Gene: Klevey_9 Start: 7989, Stop: 8411, Start Num: 8
Candidate Starts for Klevey_9:
(Start: 8 @7989 has 11 MA's), (11, 8028), (25, 8277), (26, 8313), (29, 8352),

Gene: Lilmac1015_9 Start: 7982, Stop: 8401, Start Num: 8
Candidate Starts for Lilmac1015_9:
(1, 7556), (Start: 8 @7982 has 11 MA's), (11, 8018), (29, 8342),

Gene: Music_11 Start: 10046, Stop: 10465, Start Num: 6
Candidate Starts for Music_11:
(2, 9983), (Start: 6 @10046 has 3 MA's), (9, 10079), (22, 10298), (25, 10331),

Gene: Nandito_9 Start: 8001, Stop: 8423, Start Num: 8
Candidate Starts for Nandito_9:
(1, 7578), (Start: 8 @8001 has 11 MA's), (11, 8040), (25, 8289), (26, 8325),

Gene: Orkz_13 Start: 8699, Stop: 9076, Start Num: 8
Candidate Starts for Orkz_13:
(3, 8633), (Start: 8 @8699 has 11 MA's), (12, 8732), (15, 8783), (17, 8843), (20, 8891), (23, 8912), (25, 8942), (26, 8978), (27, 8981), (28, 9005),

Gene: Prairie_9 Start: 7989, Stop: 8411, Start Num: 8
Candidate Starts for Prairie_9:
(Start: 8 @7989 has 11 MA's), (11, 8028), (25, 8277), (26, 8313), (29, 8352),

Gene: SunnyJune_11 Start: 9266, Stop: 9703, Start Num: 5
Candidate Starts for SunnyJune_11:
(Start: 5 @9266 has 1 MA's), (7, 9308), (12, 9356), (16, 9425), (17, 9467), (21, 9521), (23, 9539), (25, 9569),

Gene: Vibaki_11 Start: 10082, Stop: 10474, Start Num: 6
Candidate Starts for Vibaki_11:
(2, 10019), (Start: 6 @10082 has 3 MA's), (9, 10115), (22, 10307), (25, 10340),

Gene: Vitus_11 Start: 9895, Stop: 10281, Start Num: 8
Candidate Starts for Vitus_11:
(Start: 8 @9895 has 11 MA's), (13, 9970), (19, 10093), (25, 10147), (28, 10210),