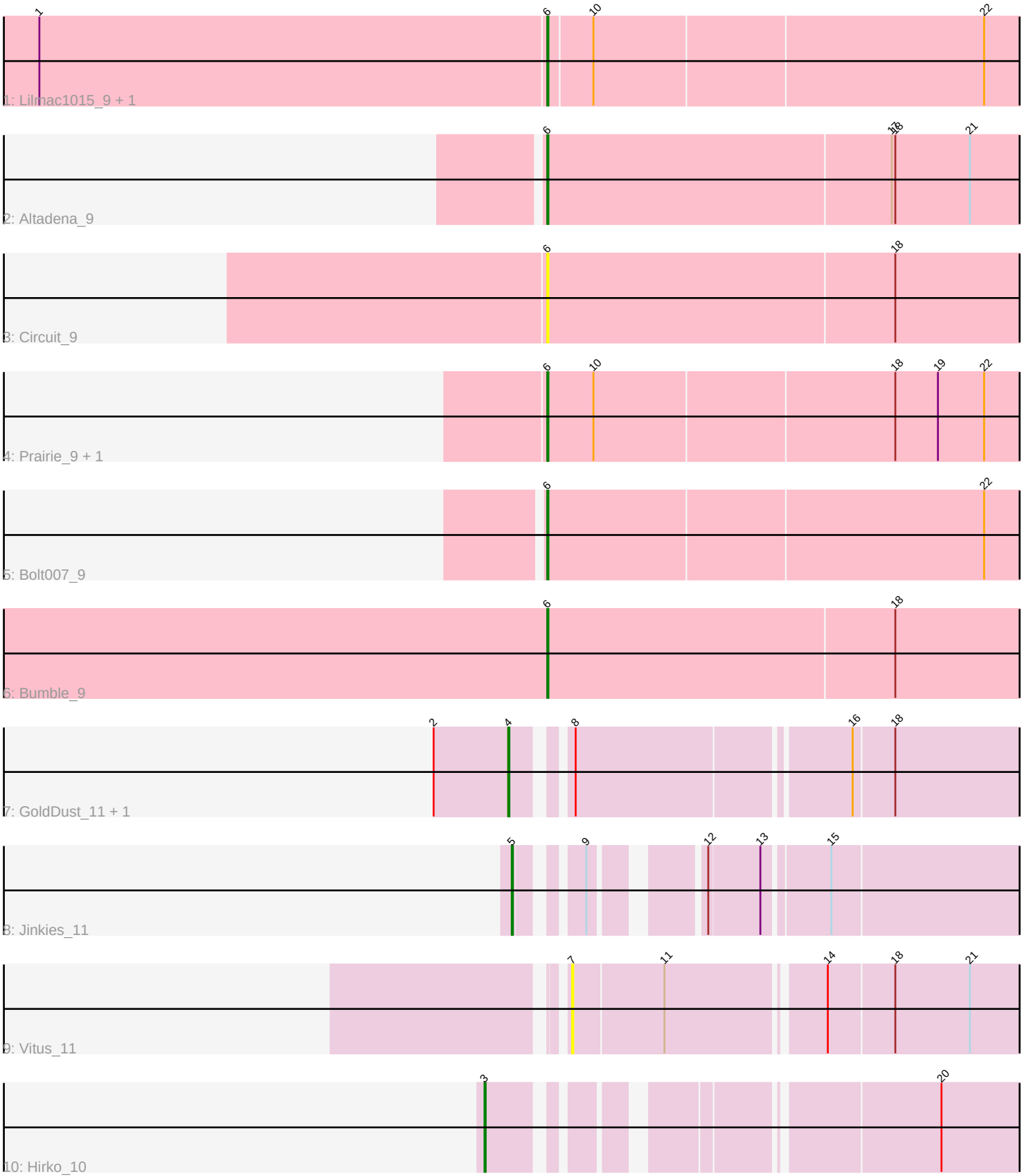
Pham 203456


1
6
10
22
1: Lilmac1015_9 + 1
6
17
18
21
2: Altadena_9
6
18
3: Circuit_9
6
10
18
19
22
4: Prairie_9 + 1
6
22
5: Bolt007_9
6
18
6: Bumble_9
2
4
8
16
18
7: GoldDust_11 + 1
5
9
12
13
15
8: Jinkies_11
7
11
14
18
21
9: Vitus_11
3
20
10: Hirko_10

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 203456 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203456 has 13 members, 4 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 : Bolt007_9
• Track 6 : Bumble_9
• Track 7 : GoldDust_11, Vibaki_11
• Track 8 : Jinkies_11
• Track 9 : Vitus_11
• Track 10 : Hirko_10

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 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Altadena_9, Bolt007_9, Bumble_9, CalWood4100_9, Circuit_9, Klevey_9, Lilmac1015_9, Prairie_9,

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

Genes that do not have the "Most Annotated" start:
• GoldDust_11, Hirko_10, Jinkies_11, Vibaki_11, Vitus_11,

Summary by start number:

Start 3:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hirko_10 (FL),

Start 4:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GoldDust_11 (FL), Vibaki_11 (FL),

Start 5:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jinkies_11 (FL),

Start 6:
• Found in 8 of 13 (61.5%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altadena_9 (FH), Bolt007_9 (FH), Bumble_9 (FH), CalWood4100_9 (FH), Circuit_9 (FH), Klevey_9 (FH), Lilmac1015_9 (FH), Prairie_9 (FH),

Start 7:
• Found in 1 of 13 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Vitus_11 (FL),

Summary by clusters:

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

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

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

Gene Information:

Gene: Altadena_9 Start: 8045, Stop: 8473, Start Num: 6
Candidate Starts for Altadena_9:
(Start: 6 @8045 has 6 MA's), (17, 8333), (18, 8336), (21, 8399),

Gene: Bolt007_9 Start: 7996, Stop: 8418, Start Num: 6
Candidate Starts for Bolt007_9:
(Start: 6 @7996 has 6 MA's), (22, 8359),

Gene: Bumble_9 Start: 8062, Stop: 8487, Start Num: 6
Candidate Starts for Bumble_9:
(Start: 6 @8062 has 6 MA's), (18, 8353),

Gene: CalWood4100_9 Start: 7982, Stop: 8401, Start Num: 6
Candidate Starts for CalWood4100_9:
(1, 7556), (Start: 6 @7982 has 6 MA's), (10, 8018), (22, 8342),

Gene: Circuit_9 Start: 8048, Stop: 8473, Start Num: 6
Candidate Starts for Circuit_9:
(Start: 6 @8048 has 6 MA's), (18, 8339),

Gene: GoldDust_11 Start: 10176, Stop: 10595, Start Num: 4
Candidate Starts for GoldDust_11:
(2, 10113), (Start: 4 @10176 has 1 MA's), (8, 10209), (16, 10428), (18, 10461),

Gene: Hirko_10 Start: 9608, Stop: 10018, Start Num: 3
Candidate Starts for Hirko_10:
(Start: 3 @9608 has 1 MA's), (20, 9923),

Gene: Jinkies_11 Start: 8933, Stop: 9322, Start Num: 5
Candidate Starts for Jinkies_11:
(Start: 5 @8933 has 1 MA's), (9, 8972), (12, 9044), (13, 9086), (15, 9137),

Gene: Klevey_9 Start: 7989, Stop: 8411, Start Num: 6
Candidate Starts for Klevey_9:
(Start: 6 @7989 has 6 MA's), (10, 8028), (18, 8277), (19, 8313), (22, 8352),

Gene: Lilmac1015_9 Start: 7982, Stop: 8401, Start Num: 6
Candidate Starts for Lilmac1015_9:
(1, 7556), (Start: 6 @7982 has 6 MA's), (10, 8018), (22, 8342),

Gene: Prairie_9 Start: 7989, Stop: 8411, Start Num: 6
Candidate Starts for Prairie_9:
(Start: 6 @7989 has 6 MA's), (10, 8028), (18, 8277), (19, 8313), (22, 8352),

Gene: Vibaki_11 Start: 10082, Stop: 10474, Start Num: 4
Candidate Starts for Vibaki_11:
(2, 10019), (Start: 4 @10082 has 1 MA's), (8, 10115), (16, 10307), (18, 10340),

Gene: Vitus_11 Start: 9895, Stop: 10281, Start Num: 7
Candidate Starts for Vitus_11:
(7, 9895), (11, 9970), (14, 10093), (18, 10147), (21, 10210),