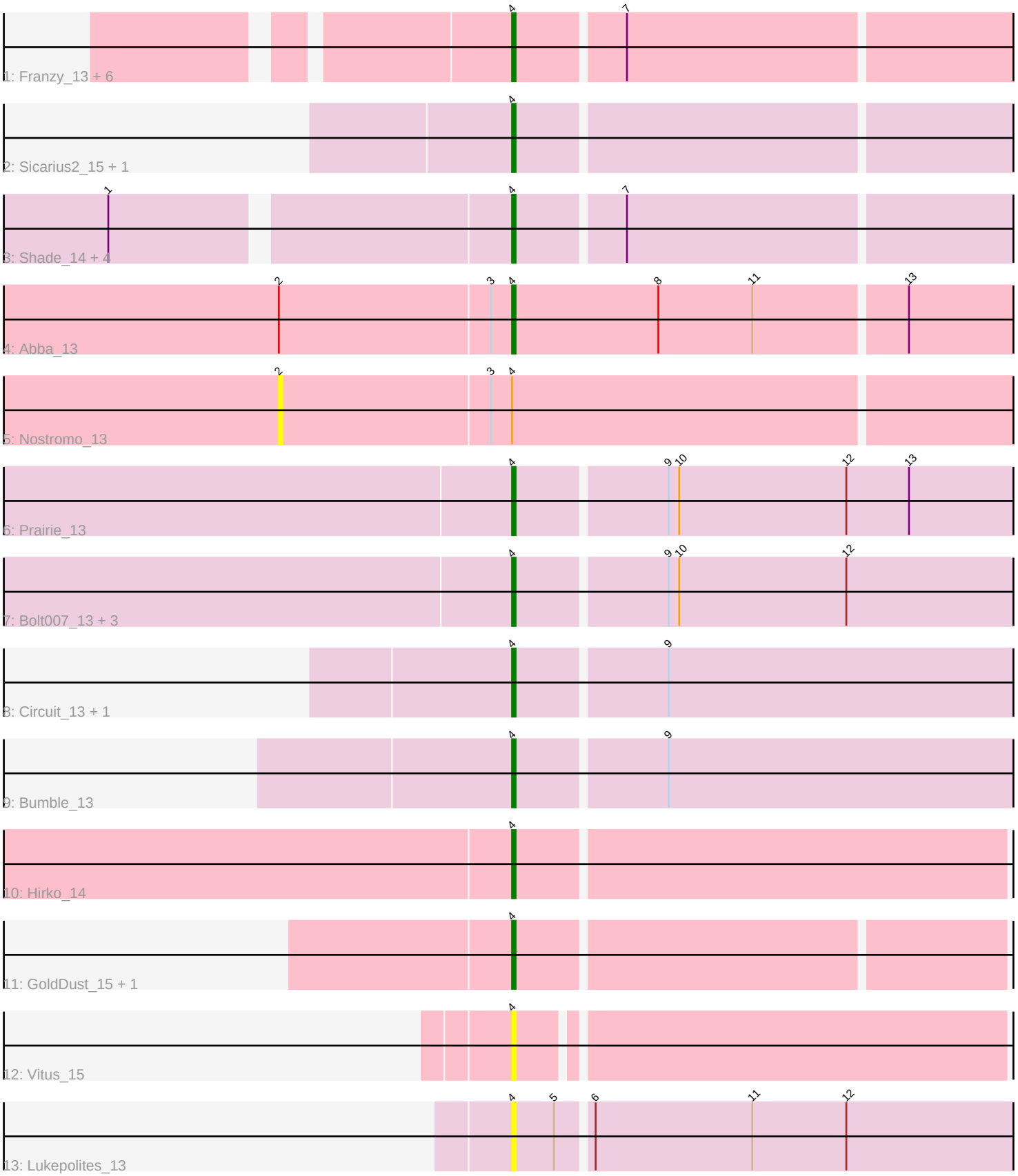
Pham 203200


4
7
1: Franzy_13 + 6
4
2: Sicarius2_15 + 1
1
4
7
3: Shade_14 + 4
2
3
4
8
11
13
4: Abba_13
2
3
4
5: Nostromo_13
4
9
10
12
13
6: Prairie_13
4
9
10
12
7: Bolt007_13 + 3
4
9
8: Circuit_13 + 1
4
9
9: Bumble_13
4
10: Hirko_14
4
11: GoldDust_15 + 1
4
12: Vitus_15
4
5
6
11
12
13: Lukepolites_13

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 203200 Report

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

Pham number 203200 has 29 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Franzy_13, NathanVaag_13, Piccoletto_13, Jawnski_13, Beans_13, Brent_13, King2_13
• Track 2 : Sicarius2_15, Wyborn_15
• Track 3 : Shade_14, BossLady_14, Grekaycon_14, Martha_14, TaeYoung_14
• Track 4 : Abba_13
• Track 5 : Nostromo_13
• Track 6 : Prairie_13
• Track 7 : Bolt007_13, Lilmac1015_13, Klevey_13, CalWood4100_13
• Track 8 : Circuit_13, Altadena_13
• Track 9 : Bumble_13
• Track 10 : Hirko_14
• Track 11 : GoldDust_15, Vibaki_15
• Track 12 : Vitus_15
• Track 13 : Lukepolites_13

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

The start number called the most often in the published annotations is 4, it was called in 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abba_13, Altadena_13, Beans_13, Bolt007_13, BossLady_14, Brent_13, Bumble_13, CalWood4100_13, Circuit_13, Franzy_13, GoldDust_15, Grekaycon_14, Hirko_14, Jawnski_13, King2_13, Klevey_13, Lilmac1015_13, Lukepolites_13, Martha_14, NathanVaag_13, Piccoletto_13, Prairie_13, Shade_14, Sicarius2_15, TaeYoung_14, Vibaki_15, Vitus_15, Wyborn_15,

Genes that have the "Most Annotated" start but do not call it:
• Nostromo_13,

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

Summary by start number:

Start 2:
• Found in 2 of 29 (6.9%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Nostromo_13 (AO3),

Start 4:
• Found in 29 of 29 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 23
• Called 96.6% of time when present
• Phage (with cluster) where this start called: Abba_13 (AO3), Altadena_13 (FH), Beans_13 (AO1), Bolt007_13 (FH), BossLady_14 (AO2), Brent_13 (AO1), Bumble_13 (FH), CalWood4100_13 (FH), Circuit_13 (FH), Franzy_13 (AO1), GoldDust_15 (FL), Grekaycon_14 (AO2), Hirko_14 (FL), Jawnski_13 (AO1), King2_13 (AO1), Klevey_13 (FH), Lilmac1015_13 (FH), Lukepolites_13 (singleton), Martha_14 (AO2), NathanVaag_13 (AO1), Piccoletto_13 (AO1), Prairie_13 (FH), Shade_14 (AO2), Sicarius2_15 (AO2), TaeYoung_14 (AO2), Vibaki_15 (FL), Vitus_15 (FL), Wyborn_15 (AO2),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, AO3, AO2, AO1, FH, FL,

Info for manual annotations of cluster AO1:
•Start number 4 was manually annotated 7 times for cluster AO1.

Info for manual annotations of cluster AO2:
•Start number 4 was manually annotated 7 times for cluster AO2.

Info for manual annotations of cluster AO3:
•Start number 4 was manually annotated 1 time for cluster AO3.

Info for manual annotations of cluster FH:
•Start number 4 was manually annotated 6 times for cluster FH.

Info for manual annotations of cluster FL:
•Start number 4 was manually annotated 2 times for cluster FL.

Gene Information:

Gene: Abba_13 Start: 10446, Stop: 10676, Start Num: 4
Candidate Starts for Abba_13:
(2, 10380), (3, 10440), (Start: 4 @10446 has 23 MA's), (8, 10488), (11, 10515), (13, 10557),

Gene: Altadena_13 Start: 10131, Stop: 10352, Start Num: 4
Candidate Starts for Altadena_13:
(Start: 4 @10131 has 23 MA's), (9, 10173),

Gene: Beans_13 Start: 10336, Stop: 10575, Start Num: 4
Candidate Starts for Beans_13:

(Start: 4 @10336 has 23 MA's), (7, 10366),

Gene: Bolt007_13 Start: 10029, Stop: 10229, Start Num: 4
Candidate Starts for Bolt007_13:
(Start: 4 @10029 has 23 MA's), (9, 10071), (10, 10074), (12, 10122),

Gene: BossLady_14 Start: 10652, Stop: 10891, Start Num: 4
Candidate Starts for BossLady_14:
(1, 10544), (Start: 4 @10652 has 23 MA's), (7, 10682),

Gene: Brent_13 Start: 10318, Stop: 10557, Start Num: 4
Candidate Starts for Brent_13:
(Start: 4 @10318 has 23 MA's), (7, 10348),

Gene: Bumble_13 Start: 10130, Stop: 10345, Start Num: 4
Candidate Starts for Bumble_13:
(Start: 4 @10130 has 23 MA's), (9, 10172),

Gene: CalWood4100_13 Start: 10012, Stop: 10218, Start Num: 4
Candidate Starts for CalWood4100_13:
(Start: 4 @10012 has 23 MA's), (9, 10054), (10, 10057), (12, 10105),

Gene: Circuit_13 Start: 10115, Stop: 10333, Start Num: 4
Candidate Starts for Circuit_13:
(Start: 4 @10115 has 23 MA's), (9, 10157),

Gene: Franzy_13 Start: 10318, Stop: 10557, Start Num: 4
Candidate Starts for Franzy_13:
(Start: 4 @10318 has 23 MA's), (7, 10348),

Gene: GoldDust_15 Start: 12216, Stop: 12449, Start Num: 4
Candidate Starts for GoldDust_15:
(Start: 4 @12216 has 23 MA's),

Gene: Grekaycon_14 Start: 10661, Stop: 10900, Start Num: 4
Candidate Starts for Grekaycon_14:
(1, 10553), (Start: 4 @10661 has 23 MA's), (7, 10691),

Gene: Hirko_14 Start: 11651, Stop: 11887, Start Num: 4
Candidate Starts for Hirko_14:
(Start: 4 @11651 has 23 MA's),

Gene: Jawnski_13 Start: 10331, Stop: 10570, Start Num: 4
Candidate Starts for Jawnski_13:
(Start: 4 @10331 has 23 MA's), (7, 10361),

Gene: King2_13 Start: 10320, Stop: 10559, Start Num: 4
Candidate Starts for King2_13:
(Start: 4 @10320 has 23 MA's), (7, 10350),

Gene: Klevey_13 Start: 10022, Stop: 10228, Start Num: 4
Candidate Starts for Klevey_13:
(Start: 4 @10022 has 23 MA's), (9, 10064), (10, 10067), (12, 10115),

Gene: Lilmac1015_13 Start: 10012, Stop: 10218, Start Num: 4
Candidate Starts for Lilmac1015_13:
(Start: 4 @10012 has 23 MA's), (9, 10054), (10, 10057), (12, 10105),

Gene: Lukepolites_13 Start: 10365, Stop: 10571, Start Num: 4
Candidate Starts for Lukepolites_13:
(Start: 4 @10365 has 23 MA's), (5, 10377), (6, 10386), (11, 10431), (12, 10458),

Gene: Martha_14 Start: 10599, Stop: 10838, Start Num: 4
Candidate Starts for Martha_14:
(1, 10491), (Start: 4 @10599 has 23 MA's), (7, 10629),

Gene: NathanVaag_13 Start: 10324, Stop: 10563, Start Num: 4
Candidate Starts for NathanVaag_13:
(Start: 4 @10324 has 23 MA's), (7, 10354),

Gene: Nostromo_13 Start: 10584, Stop: 10883, Start Num: 2
Candidate Starts for Nostromo_13:
(2, 10584), (3, 10644), (Start: 4 @10650 has 23 MA's),

Gene: Piccoletto_13 Start: 10325, Stop: 10564, Start Num: 4
Candidate Starts for Piccoletto_13:
(Start: 4 @10325 has 23 MA's), (7, 10355),

Gene: Prairie_13 Start: 10019, Stop: 10225, Start Num: 4
Candidate Starts for Prairie_13:
(Start: 4 @10019 has 23 MA's), (9, 10061), (10, 10064), (12, 10112), (13, 10130),

Gene: Shade_14 Start: 10637, Stop: 10876, Start Num: 4
Candidate Starts for Shade_14:
(1, 10529), (Start: 4 @10637 has 23 MA's), (7, 10667),

Gene: Sicarius2_15 Start: 11144, Stop: 11380, Start Num: 4
Candidate Starts for Sicarius2_15:
(Start: 4 @11144 has 23 MA's),

Gene: TaeYoung_14 Start: 10662, Stop: 10901, Start Num: 4
Candidate Starts for TaeYoung_14:
(1, 10554), (Start: 4 @10662 has 23 MA's), (7, 10692),

Gene: Vibaki_15 Start: 12095, Stop: 12331, Start Num: 4
Candidate Starts for Vibaki_15:
(Start: 4 @12095 has 23 MA's),

Gene: Vitus_15 Start: 11899, Stop: 12132, Start Num: 4
Candidate Starts for Vitus_15:
(Start: 4 @11899 has 23 MA's),

Gene: Wyborn_15 Start: 11005, Stop: 11241, Start Num: 4
Candidate Starts for Wyborn_15:
(Start: 4 @11005 has 23 MA's),