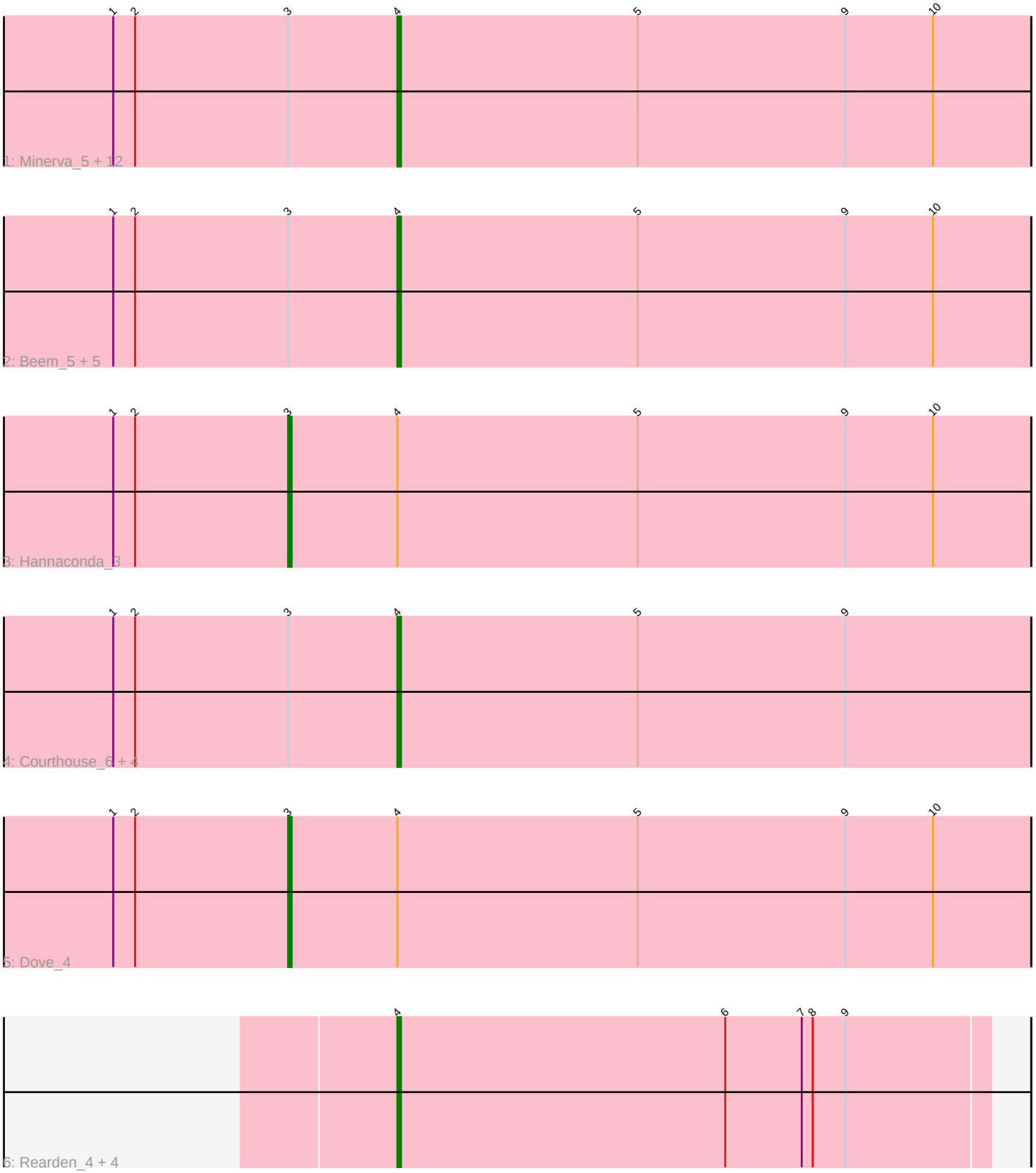
Pham 347891


1
2
3
4
5
9
10
1: Minerva_5 + 12
1
2
3
4
5
9
10
2: Beem_5 + 5
1
2
3
4
5
9
10
3: Hannaconda_3
1
2
3
4
5
9
4: Courthouse_6 + 4
1
2
3
4
5
9
10
5: Dove_4
4
6
7
8
9
6: Rearden_4 + 4

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 347891 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347891 has 31 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Minerva_5, Bombitas_4, Phoebus_5, Kalah2_6, Yeet_4, Hidrated_5, Odette_4, Pound_5, ThreeRngTarjay_5, Schatzie_4, NihilNomen_5, Dallas_4, EricMillard_5
• Track 2 : Beem_5, Redno2_5, Halley_5, Bobby_6, Marleymoo_6, Ejimix_6
• Track 3 : Hannaconda_3
• Track 4 : Courthouse_6, Zelink_5, Ariel_5, JuicyJay_6, Superphikiman_6
• Track 5 : Dove_4
• Track 6 : Rearden_4, LittleE_6, Klein_6, Wanda_6, Omega_8

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 26 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_5, Beem_5, Bobby_6, Bombitas_4, Courthouse_6, Dallas_4, Ejimix_6, EricMillard_5, Halley_5, Hidrated_5, JuicyJay_6, Kalah2_6, Klein_6, LittleE_6, Marleymoo_6, Minerva_5, NihilNomen_5, Odette_4, Omega_8, Phoebus_5, Pound_5, Rearden_4, Redno2_5, Schatzie_4, Superphikiman_6, ThreeRngTarjay_5, Wanda_6, Yeet_4, Zelink_5,

Genes that have the "Most Annotated" start but do not call it:
• Dove_4, Hannaconda_3,

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

Summary by start number:

Start 3:
• Found in 26 of 31 (83.9%) of genes in pham
• Manual Annotations of this start: 2 of 28
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Dove_4 (J), Hannaconda_3 (J),

Start 4:
• Found in 31 of 31 (100.0%) of genes in pham
• Manual Annotations of this start: 26 of 28
• Called 93.5% of time when present
• Phage (with cluster) where this start called: Ariel_5 (J), Beem_5 (J), Bobby_6 (J), Bombitas_4 (J), Courthouse_6 (J), Dallas_4 (J), Ejimix_6 (J), EricMillard_5 (J), Halley_5 (J), Hidrated_5 (J), JuicyJay_6 (J), Kalah2_6 (J), Klein_6 (J), LittleE_6 (J), Marleymoo_6 (J), Minerva_5 (J), NihilNomen_5 (J), Odette_4 (J), Omega_8 (J), Phoebus_5 (J), Pound_5 (J), Rearden_4 (J), Redno2_5 (J), Schatzie_4 (J), Superphikiman_6 (J), ThreeRngTarjay_5 (J), Wanda_6 (J), Yeet_4 (J), Zelink_5 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 3 was manually annotated 2 times for cluster J.
•Start number 4 was manually annotated 26 times for cluster J.

Gene Information:

Gene: Ariel_5 Start: 2046, Stop: 2219, Start Num: 4
Candidate Starts for Ariel_5:
(1, 1968), (2, 1974), (Start: 3 @2016 has 2 MA's), (Start: 4 @2046 has 26 MA's), (5, 2112), (9, 2169),

Gene: Beem_5 Start: 2011, Stop: 2184, Start Num: 4
Candidate Starts for Beem_5:
(1, 1933), (2, 1939), (Start: 3 @1981 has 2 MA's), (Start: 4 @2011 has 26 MA's), (5, 2077), (9, 2134), (10, 2158),

Gene: Bobby_6 Start: 2746, Stop: 2919, Start Num: 4
Candidate Starts for Bobby_6:
(1, 2668), (2, 2674), (Start: 3 @2716 has 2 MA's), (Start: 4 @2746 has 26 MA's), (5, 2812), (9, 2869), (10, 2893),

Gene: Bombitas_4 Start: 1550, Stop: 1723, Start Num: 4
Candidate Starts for Bombitas_4:
(1, 1472), (2, 1478), (Start: 3 @1520 has 2 MA's), (Start: 4 @1550 has 26 MA's), (5, 1616), (9, 1673), (10, 1697),

Gene: Courthouse_6 Start: 2845, Stop: 3018, Start Num: 4
Candidate Starts for Courthouse_6:
(1, 2767), (2, 2773), (Start: 3 @2815 has 2 MA's), (Start: 4 @2845 has 26 MA's), (5, 2911), (9, 2968),

Gene: Dallas_4 Start: 1550, Stop: 1723, Start Num: 4
Candidate Starts for Dallas_4:
(1, 1472), (2, 1478), (Start: 3 @1520 has 2 MA's), (Start: 4 @1550 has 26 MA's), (5, 1616), (9, 1673), (10, 1697),

Gene: Dove_4 Start: 1519, Stop: 1722, Start Num: 3

Candidate Starts for Dove_4:
(1, 1471), (2, 1477), (Start: 3 @1519 has 2 MA's), (Start: 4 @1549 has 26 MA's), (5, 1615), (9, 1672), (10, 1696),

Gene: Ejimix_6 Start: 2761, Stop: 2934, Start Num: 4
Candidate Starts for Ejimix_6:
(1, 2683), (2, 2689), (Start: 3 @2731 has 2 MA's), (Start: 4 @2761 has 26 MA's), (5, 2827), (9, 2884), (10, 2908),

Gene: EricMillard_5 Start: 2296, Stop: 2469, Start Num: 4
Candidate Starts for EricMillard_5:
(1, 2218), (2, 2224), (Start: 3 @2266 has 2 MA's), (Start: 4 @2296 has 26 MA's), (5, 2362), (9, 2419), (10, 2443),

Gene: Halley_5 Start: 2011, Stop: 2184, Start Num: 4
Candidate Starts for Halley_5:
(1, 1933), (2, 1939), (Start: 3 @1981 has 2 MA's), (Start: 4 @2011 has 26 MA's), (5, 2077), (9, 2134), (10, 2158),

Gene: Hannaconda_3 Start: 1495, Stop: 1698, Start Num: 3
Candidate Starts for Hannaconda_3:
(1, 1447), (2, 1453), (Start: 3 @1495 has 2 MA's), (Start: 4 @1525 has 26 MA's), (5, 1591), (9, 1648), (10, 1672),

Gene: Hidrated_5 Start: 2296, Stop: 2469, Start Num: 4
Candidate Starts for Hidrated_5:
(1, 2218), (2, 2224), (Start: 3 @2266 has 2 MA's), (Start: 4 @2296 has 26 MA's), (5, 2362), (9, 2419), (10, 2443),

Gene: JuicyJay_6 Start: 2844, Stop: 3017, Start Num: 4
Candidate Starts for JuicyJay_6:
(1, 2766), (2, 2772), (Start: 3 @2814 has 2 MA's), (Start: 4 @2844 has 26 MA's), (5, 2910), (9, 2967),

Gene: Kalah2_6 Start: 2840, Stop: 3013, Start Num: 4
Candidate Starts for Kalah2_6:
(1, 2762), (2, 2768), (Start: 3 @2810 has 2 MA's), (Start: 4 @2840 has 26 MA's), (5, 2906), (9, 2963), (10, 2987),

Gene: Klein_6 Start: 2837, Stop: 2998, Start Num: 4
Candidate Starts for Klein_6:
(Start: 4 @2837 has 26 MA's), (6, 2927), (7, 2948), (8, 2951), (9, 2960),

Gene: LittleE_6 Start: 2404, Stop: 2565, Start Num: 4
Candidate Starts for LittleE_6:
(Start: 4 @2404 has 26 MA's), (6, 2494), (7, 2515), (8, 2518), (9, 2527),

Gene: Marleymoo_6 Start: 2841, Stop: 3014, Start Num: 4
Candidate Starts for Marleymoo_6:
(1, 2763), (2, 2769), (Start: 3 @2811 has 2 MA's), (Start: 4 @2841 has 26 MA's), (5, 2907), (9, 2964), (10, 2988),

Gene: Minerva_5 Start: 2300, Stop: 2473, Start Num: 4
Candidate Starts for Minerva_5:

(1, 2222), (2, 2228), (Start: 3 @2270 has 2 MA's), (Start: 4 @2300 has 26 MA's), (5, 2366), (9, 2423), (10, 2447),

Gene: NihilNomen_5 Start: 2300, Stop: 2473, Start Num: 4
Candidate Starts for NihilNomen_5:
(1, 2222), (2, 2228), (Start: 3 @2270 has 2 MA's), (Start: 4 @2300 has 26 MA's), (5, 2366), (9, 2423), (10, 2447),

Gene: Odette_4 Start: 1549, Stop: 1722, Start Num: 4
Candidate Starts for Odette_4:
(1, 1471), (2, 1477), (Start: 3 @1519 has 2 MA's), (Start: 4 @1549 has 26 MA's), (5, 1615), (9, 1672), (10, 1696),

Gene: Omega_8 Start: 3749, Stop: 3910, Start Num: 4
Candidate Starts for Omega_8:
(Start: 4 @3749 has 26 MA's), (6, 3839), (7, 3860), (8, 3863), (9, 3872),

Gene: Phoebus_5 Start: 2296, Stop: 2469, Start Num: 4
Candidate Starts for Phoebus_5:
(1, 2218), (2, 2224), (Start: 3 @2266 has 2 MA's), (Start: 4 @2296 has 26 MA's), (5, 2362), (9, 2419), (10, 2443),

Gene: Pound_5 Start: 2296, Stop: 2469, Start Num: 4
Candidate Starts for Pound_5:
(1, 2218), (2, 2224), (Start: 3 @2266 has 2 MA's), (Start: 4 @2296 has 26 MA's), (5, 2362), (9, 2419), (10, 2443),

Gene: Rearden_4 Start: 1674, Stop: 1835, Start Num: 4
Candidate Starts for Rearden_4:
(Start: 4 @1674 has 26 MA's), (6, 1764), (7, 1785), (8, 1788), (9, 1797),

Gene: Redno2_5 Start: 2011, Stop: 2184, Start Num: 4
Candidate Starts for Redno2_5:
(1, 1933), (2, 1939), (Start: 3 @1981 has 2 MA's), (Start: 4 @2011 has 26 MA's), (5, 2077), (9, 2134), (10, 2158),

Gene: Schatzie_4 Start: 1550, Stop: 1723, Start Num: 4
Candidate Starts for Schatzie_4:
(1, 1472), (2, 1478), (Start: 3 @1520 has 2 MA's), (Start: 4 @1550 has 26 MA's), (5, 1616), (9, 1673), (10, 1697),

Gene: Superphikiman_6 Start: 2845, Stop: 3018, Start Num: 4
Candidate Starts for Superphikiman_6:
(1, 2767), (2, 2773), (Start: 3 @2815 has 2 MA's), (Start: 4 @2845 has 26 MA's), (5, 2911), (9, 2968),

Gene: ThreeRngTarjay_5 Start: 2296, Stop: 2469, Start Num: 4
Candidate Starts for ThreeRngTarjay_5:
(1, 2218), (2, 2224), (Start: 3 @2266 has 2 MA's), (Start: 4 @2296 has 26 MA's), (5, 2362), (9, 2419), (10, 2443),

Gene: Wanda_6 Start: 2837, Stop: 2998, Start Num: 4
Candidate Starts for Wanda_6:
(Start: 4 @2837 has 26 MA's), (6, 2927), (7, 2948), (8, 2951), (9, 2960),

Gene: Yeet_4 Start: 1550, Stop: 1723, Start Num: 4
Candidate Starts for Yeet_4:
(1, 1472), (2, 1478), (Start: 3 @1520 has 2 MA's), (Start: 4 @1550 has 26 MA's), (5, 1616), (9, 1673), (10, 1697),

Gene: Zelink_5 Start: 2094, Stop: 2267, Start Num: 4
Candidate Starts for Zelink_5:
(1, 2016), (2, 2022), (Start: 3 @2064 has 2 MA's), (Start: 4 @2094 has 26 MA's), (5, 2160), (9, 2217),