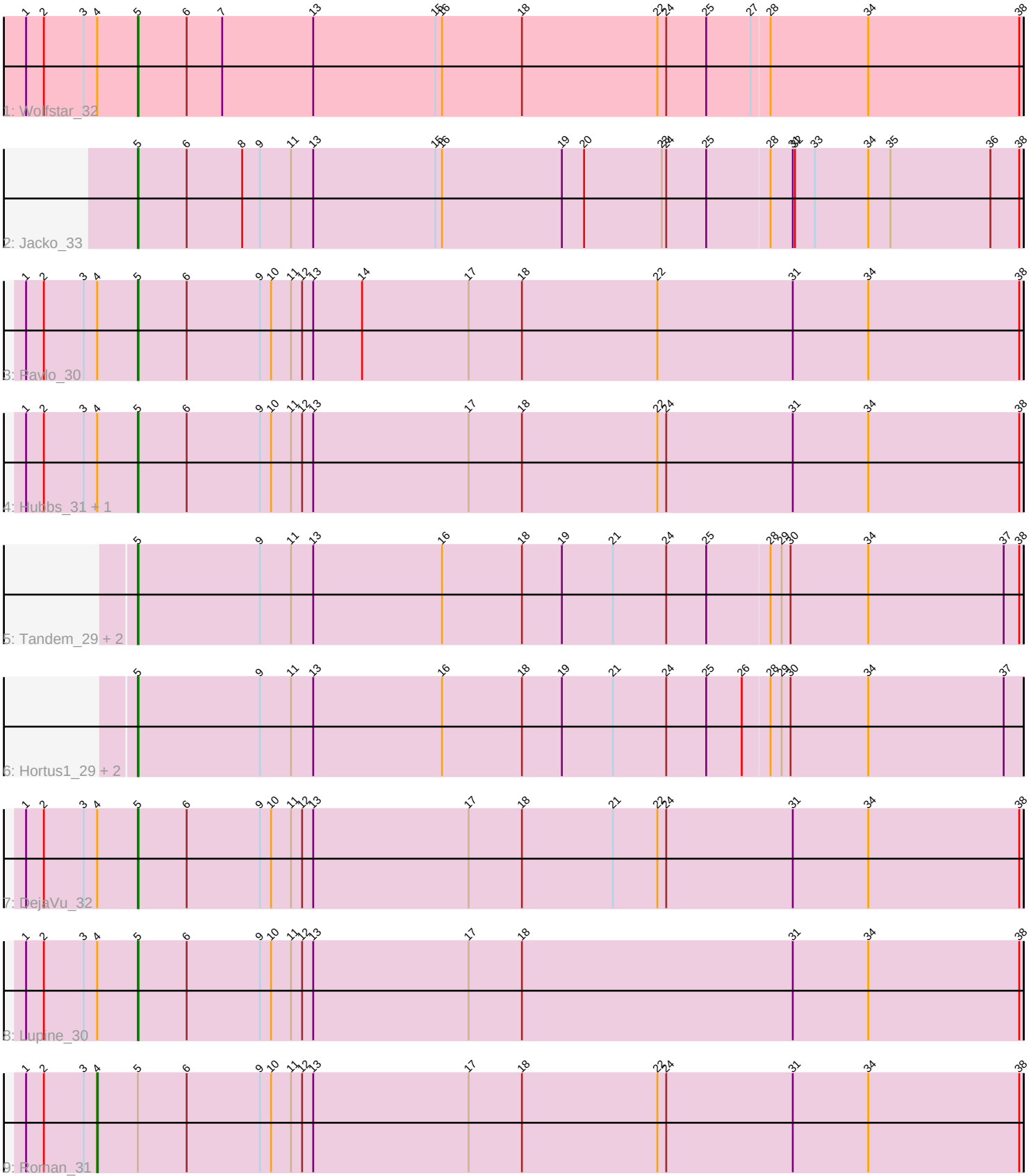
Pham 218426


1: Wolfstar_32
2: Jacko_33
3: Ravlo_30
4: Hubbs_31 + 1
5: Tandem_29 + 2
6: Hortus1_29 + 2
7: DejaVu_32
8: Lupine_30
9: Roman_31

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 218426 Report

This analysis was run 03/28/25 on database version 593.

Pham number 218426 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_32
• Track 2 : Jacko_33
• Track 3 : Pavlo_30
• Track 4 : Hubbs_31, PhillyPhilly_31
• Track 5 : Tandem_29, Pioneer3_29, Alleb_30
• Track 6 : Hortus1_29, OlinDD_29, Platte_29
• Track 7 : DejaVu_32
• Track 8 : Lupine_30
• Track 9 : Roman_31

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

The start number called the most often in the published annotations is 5, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_30, DejaVu_32, Hortus1_29, Hubbs_31, Jacko_33, Lupine_30, OlinDD_29, Pavlo_30, PhillyPhilly_31, Pioneer3_29, Platte_29, Tandem_29, Wolfstar_32,

Genes that have the "Most Annotated" start but do not call it:
• Roman_31,

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

Summary by start number:

Start 4:
• Found in 7 of 14 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Roman_31 (ED1),

Start 5:

• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 14
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Alleb_30 (ED1), DejaVu_32 (ED1), Hortus1_29 (ED1), Hubbs_31 (ED1), Jacko_33 (ED1), Lupine_30 (ED1), OlinDD_29 (ED1), Pavlo_30 (ED1), PhillyPhilly_31 (ED1), Pioneer3_29 (ED1), Platte_29 (ED1), Tandem_29 (ED1), Wolfstar_32 (ED),

Summary by clusters:

There are 2 clusters represented in this pham: ED, ED1,

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

Info for manual annotations of cluster ED1:
•Start number 4 was manually annotated 1 time for cluster ED1.
•Start number 5 was manually annotated 12 times for cluster ED1.

Gene Information:

Gene: Alleb_30 Start: 9569, Stop: 10762, Start Num: 5
Candidate Starts for Alleb_30:
(Start: 5 @9569 has 13 MA's), (9, 9734), (11, 9776), (13, 9806), (16, 9980), (18, 10088), (19, 10142), (21, 10211), (24, 10283), (25, 10337), (28, 10421), (29, 10436), (30, 10448), (34, 10553), (37, 10736), (38, 10757),

Gene: DejaVu_32 Start: 9801, Stop: 10997, Start Num: 5
Candidate Starts for DejaVu_32:
(1, 9651), (2, 9675), (3, 9729), (Start: 4 @9747 has 1 MA's), (Start: 5 @9801 has 13 MA's), (6, 9867), (9, 9966), (10, 9981), (11, 10008), (12, 10023), (13, 10038), (17, 10248), (18, 10320), (21, 10443), (22, 10503), (24, 10515), (31, 10686), (34, 10788), (38, 10992),

Gene: Hortus1_29 Start: 9568, Stop: 10761, Start Num: 5
Candidate Starts for Hortus1_29:
(Start: 5 @9568 has 13 MA's), (9, 9733), (11, 9775), (13, 9805), (16, 9979), (18, 10087), (19, 10141), (21, 10210), (24, 10282), (25, 10336), (26, 10384), (28, 10420), (29, 10435), (30, 10447), (34, 10552), (37, 10735),

Gene: Hubbs_31 Start: 10013, Stop: 11209, Start Num: 5
Candidate Starts for Hubbs_31:
(1, 9863), (2, 9887), (3, 9941), (Start: 4 @9959 has 1 MA's), (Start: 5 @10013 has 13 MA's), (6, 10079), (9, 10178), (10, 10193), (11, 10220), (12, 10235), (13, 10250), (17, 10460), (18, 10532), (22, 10715), (24, 10727), (31, 10898), (34, 11000), (38, 11204),

Gene: Jacko_33 Start: 10099, Stop: 11292, Start Num: 5
Candidate Starts for Jacko_33:
(Start: 5 @10099 has 13 MA's), (6, 10165), (8, 10240), (9, 10264), (11, 10306), (13, 10336), (15, 10501), (16, 10510), (19, 10672), (20, 10702), (23, 10807), (24, 10813), (25, 10867), (28, 10951), (31, 10981), (32, 10984), (33, 11011), (34, 11083), (35, 11113), (36, 11248), (38, 11287),

Gene: Lupine_30 Start: 9685, Stop: 10881, Start Num: 5
Candidate Starts for Lupine_30:
(1, 9535), (2, 9559), (3, 9613), (Start: 4 @9631 has 1 MA's), (Start: 5 @9685 has 13 MA's), (6, 9751), (9, 9850), (10, 9865), (11, 9892), (12, 9907), (13, 9922), (17, 10132), (18, 10204), (31, 10570), (34, 10672), (38, 10876),

Gene: OlinDD_29 Start: 9567, Stop: 10760, Start Num: 5
Candidate Starts for OlinDD_29:
(Start: 5 @9567 has 13 MA's), (9, 9732), (11, 9774), (13, 9804), (16, 9978), (18, 10086), (19, 10140), (21, 10209), (24, 10281), (25, 10335), (26, 10383), (28, 10419), (29, 10434), (30, 10446), (34, 10551), (37, 10734),

Gene: Pavlo_30 Start: 9960, Stop: 11156, Start Num: 5
Candidate Starts for Pavlo_30:
(1, 9810), (2, 9834), (3, 9888), (Start: 4 @9906 has 1 MA's), (Start: 5 @9960 has 13 MA's), (6, 10026), (9, 10125), (10, 10140), (11, 10167), (12, 10182), (13, 10197), (14, 10263), (17, 10407), (18, 10479), (22, 10662), (31, 10845), (34, 10947), (38, 11151),

Gene: PhillyPhilly_31 Start: 9865, Stop: 11061, Start Num: 5
Candidate Starts for PhillyPhilly_31:
(1, 9715), (2, 9739), (3, 9793), (Start: 4 @9811 has 1 MA's), (Start: 5 @9865 has 13 MA's), (6, 9931), (9, 10030), (10, 10045), (11, 10072), (12, 10087), (13, 10102), (17, 10312), (18, 10384), (22, 10567), (24, 10579), (31, 10750), (34, 10852), (38, 11056),

Gene: Pioneer3_29 Start: 9566, Stop: 10759, Start Num: 5
Candidate Starts for Pioneer3_29:
(Start: 5 @9566 has 13 MA's), (9, 9731), (11, 9773), (13, 9803), (16, 9977), (18, 10085), (19, 10139), (21, 10208), (24, 10280), (25, 10334), (28, 10418), (29, 10433), (30, 10445), (34, 10550), (37, 10733), (38, 10754),

Gene: Platte_29 Start: 9336, Stop: 10529, Start Num: 5
Candidate Starts for Platte_29:
(Start: 5 @9336 has 13 MA's), (9, 9501), (11, 9543), (13, 9573), (16, 9747), (18, 9855), (19, 9909), (21, 9978), (24, 10050), (25, 10104), (26, 10152), (28, 10188), (29, 10203), (30, 10215), (34, 10320), (37, 10503),

Gene: Roman_31 Start: 9806, Stop: 11056, Start Num: 4
Candidate Starts for Roman_31:
(1, 9710), (2, 9734), (3, 9788), (Start: 4 @9806 has 1 MA's), (Start: 5 @9860 has 13 MA's), (6, 9926), (9, 10025), (10, 10040), (11, 10067), (12, 10082), (13, 10097), (17, 10307), (18, 10379), (22, 10562), (24, 10574), (31, 10745), (34, 10847), (38, 11051),

Gene: Tandem_29 Start: 9505, Stop: 10698, Start Num: 5
Candidate Starts for Tandem_29:
(Start: 5 @9505 has 13 MA's), (9, 9670), (11, 9712), (13, 9742), (16, 9916), (18, 10024), (19, 10078), (21, 10147), (24, 10219), (25, 10273), (28, 10357), (29, 10372), (30, 10384), (34, 10489), (37, 10672), (38, 10693),

Gene: Wolfstar_32 Start: 10365, Stop: 11558, Start Num: 5
Candidate Starts for Wolfstar_32:
(1, 10215), (2, 10239), (3, 10293), (Start: 4 @10311 has 1 MA's), (Start: 5 @10365 has 13 MA's), (6, 10431), (7, 10479), (13, 10602), (15, 10767), (16, 10776), (18, 10884), (22, 11067), (24, 11079), (25, 11133), (27, 11193), (28, 11217), (34, 11349), (38, 11553),