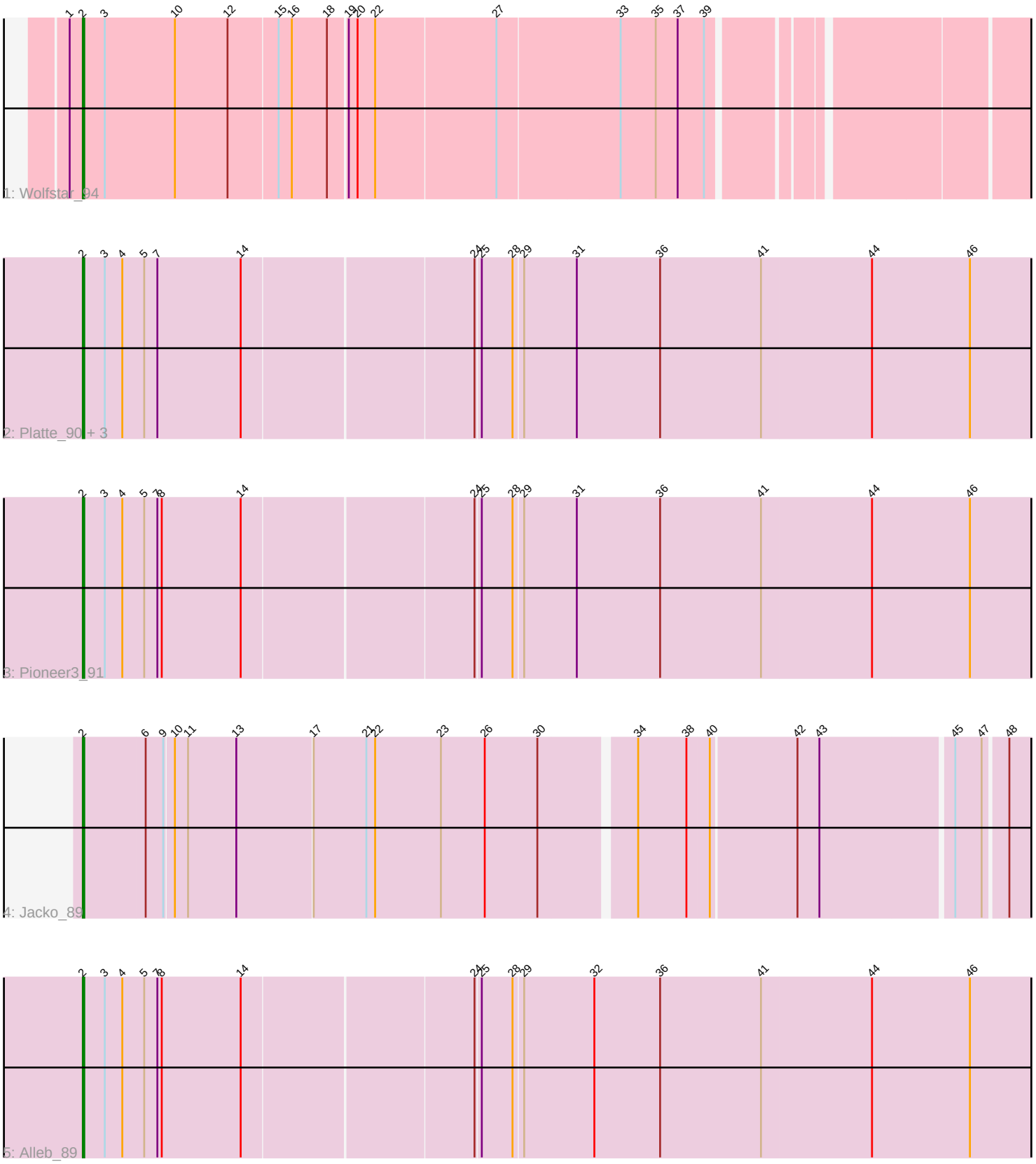
Zoomed Pham 348315



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 348315 Report

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

Pham number 348315 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_94
• Track 2 : Platte_90, Tandem_91, OlinDD_91, Hortus1_91
• Track 3 : Pioneer3_91
• Track 4 : Jacko_89
• Track 5 : Alleb_89

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

The start number called the most often in the published annotations is 2, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_89, Hortus1_91, Jacko_89, OlinDD_91, Pioneer3_91, Platte_90, Tandem_91, Wolfstar_94,

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

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

Summary by start number:

Start 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_89 (ED1), Hortus1_91 (ED1), Jacko_89 (ED1), OlinDD_91 (ED1), Pioneer3_91 (ED1), Platte_90 (ED1), Tandem_91 (ED1), Wolfstar_94 (ED),

Summary by clusters:

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

Info for manual annotations of cluster ED:
•Start number 2 was manually annotated 1 time for cluster ED.

Info for manual annotations of cluster ED1:
•Start number 2 was manually annotated 7 times for cluster ED1.

Gene Information:

Gene: Alleb_89 Start: 52684, Stop: 51770, Start Num: 2
Candidate Starts for Alleb_89:
(Start: 2 @52684 has 8 MA's), (3, 52669), (4, 52657), (5, 52642), (7, 52633), (8, 52630), (14, 52576), (24, 52423), (25, 52420), (28, 52399), (29, 52393), (32, 52345), (36, 52300), (41, 52231), (44, 52156), (46, 52090), (49, 51988), (50, 51985), (51, 51961), (52, 51883), (53, 51835), (54, 51796),

Gene: Hortus1_91 Start: 53259, Stop: 52345, Start Num: 2
Candidate Starts for Hortus1_91:
(Start: 2 @53259 has 8 MA's), (3, 53244), (4, 53232), (5, 53217), (7, 53208), (14, 53151), (24, 52998), (25, 52995), (28, 52974), (29, 52968), (31, 52932), (36, 52875), (41, 52806), (44, 52731), (46, 52665), (49, 52563), (51, 52536), (52, 52458), (53, 52410), (54, 52371),

Gene: Jacko_89 Start: 51198, Stop: 50548, Start Num: 2
Candidate Starts for Jacko_89:
(Start: 2 @51198 has 8 MA's), (6, 51156), (9, 51144), (10, 51138), (11, 51129), (13, 51096), (17, 51045), (21, 51009), (22, 51003), (23, 50958), (26, 50928), (30, 50892), (34, 50832), (38, 50799), (40, 50784), (42, 50727), (43, 50712), (45, 50625), (47, 50607), (48, 50592),

Gene: OlinDD_91 Start: 53264, Stop: 52350, Start Num: 2
Candidate Starts for OlinDD_91:
(Start: 2 @53264 has 8 MA's), (3, 53249), (4, 53237), (5, 53222), (7, 53213), (14, 53156), (24, 53003), (25, 53000), (28, 52979), (29, 52973), (31, 52937), (36, 52880), (41, 52811), (44, 52736), (46, 52670), (49, 52568), (51, 52541), (52, 52463), (53, 52415), (54, 52376),

Gene: Pioneer3_91 Start: 53062, Stop: 52148, Start Num: 2
Candidate Starts for Pioneer3_91:
(Start: 2 @53062 has 8 MA's), (3, 53047), (4, 53035), (5, 53020), (7, 53011), (8, 53008), (14, 52954), (24, 52801), (25, 52798), (28, 52777), (29, 52771), (31, 52735), (36, 52678), (41, 52609), (44, 52534), (46, 52468), (49, 52366), (51, 52339), (52, 52261), (53, 52213), (54, 52174),

Gene: Platte_90 Start: 52830, Stop: 51916, Start Num: 2
Candidate Starts for Platte_90:
(Start: 2 @52830 has 8 MA's), (3, 52815), (4, 52803), (5, 52788), (7, 52779), (14, 52722), (24, 52569), (25, 52566), (28, 52545), (29, 52539), (31, 52503), (36, 52446), (41, 52377), (44, 52302), (46, 52236), (49, 52134), (51, 52107), (52, 52029), (53, 51981), (54, 51942),

Gene: Tandem_91 Start: 53142, Stop: 52228, Start Num: 2
Candidate Starts for Tandem_91:
(Start: 2 @53142 has 8 MA's), (3, 53127), (4, 53115), (5, 53100), (7, 53091), (14, 53034), (24, 52881), (25, 52878), (28, 52857), (29, 52851), (31, 52815), (36, 52758), (41, 52689), (44, 52614), (46, 52548), (49, 52446), (51, 52419), (52, 52341), (53, 52293), (54, 52254),

Gene: Wolfstar_94 Start: 53968, Stop: 53285, Start Num: 2
Candidate Starts for Wolfstar_94:
(1, 53977), (Start: 2 @53968 has 8 MA's), (3, 53953), (10, 53905), (12, 53869), (15, 53836), (16, 53827), (18, 53803), (19, 53791), (20, 53785), (22, 53773), (27, 53692), (33, 53611), (35, 53587), (37, 53572), (39, 53554),