Pham 164162
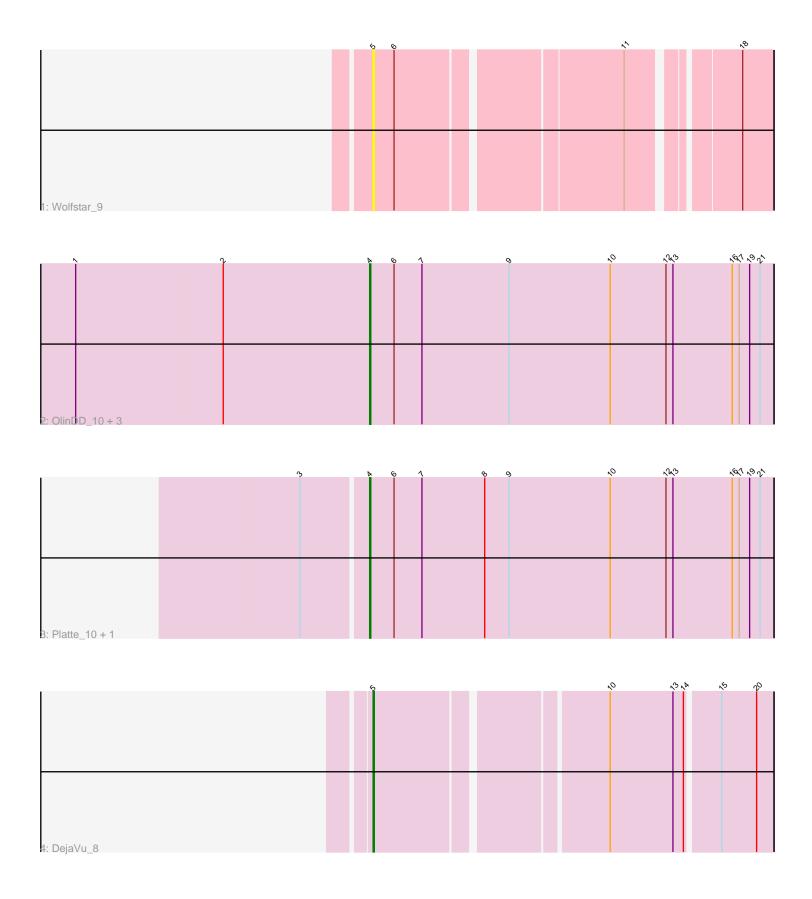

1: Wolfstar_9

2: OlinDD_10 + 3

3: Platte_10 + 1

4: DejaVu_8

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 164162 Report

This analysis was run 05/04/24 on database version 560.

Pham number 164162 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_9
• Track 2 : OlinDD_10, Hortus1_10, Alleb_11, Pioneer3_10
• Track 3 : Platte_10, Tandem_10
• Track 4 : DejaVu_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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_11, Hortus1_10, OlinDD_10, Pioneer3_10, Platte_10, Tandem_10,

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

Genes that do not have the "Most Annotated" start:
• DejaVu_8, Wolfstar_9,

Summary by start number:

Start 4:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_11 (ED1), Hortus1_10 (ED1), OlinDD_10 (ED1), Pioneer3_10 (ED1), Platte_10 (ED1), Tandem_10 (ED1),

Start 5:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DejaVu_8 (ED1), Wolfstar_9 (ED),

Summary by clusters:

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

Info for manual annotations of cluster ED1:
•Start number 4 was manually annotated 6 times for cluster ED1.
•Start number 5 was manually annotated 1 time for cluster ED1.

Gene Information:
Gene: Alleb_11 Start: 4007, Stop: 4354, Start Num: 4
Candidate Starts for Alleb_11:
(1, 3755), (2, 3881), (Start: 4 @4007 has 6 MA's), (6, 4028), (7, 4052), (9, 4127), (10, 4214), (12, 4262), (13, 4268), (16, 4319), (17, 4325), (19, 4334), (21, 4343),

Gene: DejaVu_8 Start: 3130, Stop: 3447, Start Num: 5
Candidate Starts for DejaVu_8:
(Start: 5 @3130 has 1 MA's), (10, 3313), (13, 3367), (14, 3376), (15, 3403), (20, 3433),

Gene: Hortus1_10 Start: 3961, Stop: 4308, Start Num: 4
Candidate Starts for Hortus1_10:
(1, 3709), (2, 3835), (Start: 4 @3961 has 6 MA's), (6, 3982), (7, 4006), (9, 4081), (10, 4168), (12, 4216), (13, 4222), (16, 4273), (17, 4279), (19, 4288), (21, 4297),

Gene: OlinDD_10 Start: 3960, Stop: 4307, Start Num: 4
Candidate Starts for OlinDD_10:
(1, 3708), (2, 3834), (Start: 4 @3960 has 6 MA's), (6, 3981), (7, 4005), (9, 4080), (10, 4167), (12, 4215), (13, 4221), (16, 4272), (17, 4278), (19, 4287), (21, 4296),

Gene: Pioneer3_10 Start: 3993, Stop: 4340, Start Num: 4
Candidate Starts for Pioneer3_10:
(1, 3741), (2, 3867), (Start: 4 @3993 has 6 MA's), (6, 4014), (7, 4038), (9, 4113), (10, 4200), (12, 4248), (13, 4254), (16, 4305), (17, 4311), (19, 4320), (21, 4329),

Gene: Platte_10 Start: 3794, Stop: 4141, Start Num: 4
Candidate Starts for Platte_10:
(3, 3740), (Start: 4 @3794 has 6 MA's), (6, 3815), (7, 3839), (8, 3893), (9, 3914), (10, 4001), (12, 4049), (13, 4055), (16, 4106), (17, 4112), (19, 4121), (21, 4130),

Gene: Tandem_10 Start: 3898, Stop: 4245, Start Num: 4
Candidate Starts for Tandem_10:
(3, 3844), (Start: 4 @3898 has 6 MA's), (6, 3919), (7, 3943), (8, 3997), (9, 4018), (10, 4105), (12, 4153), (13, 4159), (16, 4210), (17, 4216), (19, 4225), (21, 4234),

Gene: Wolfstar_9 Start: 4035, Stop: 4340, Start Num: 5
Candidate Starts for Wolfstar_9:
(Start: 5 @4035 has 1 MA's), (6, 4053), (11, 4233), (18, 4314),