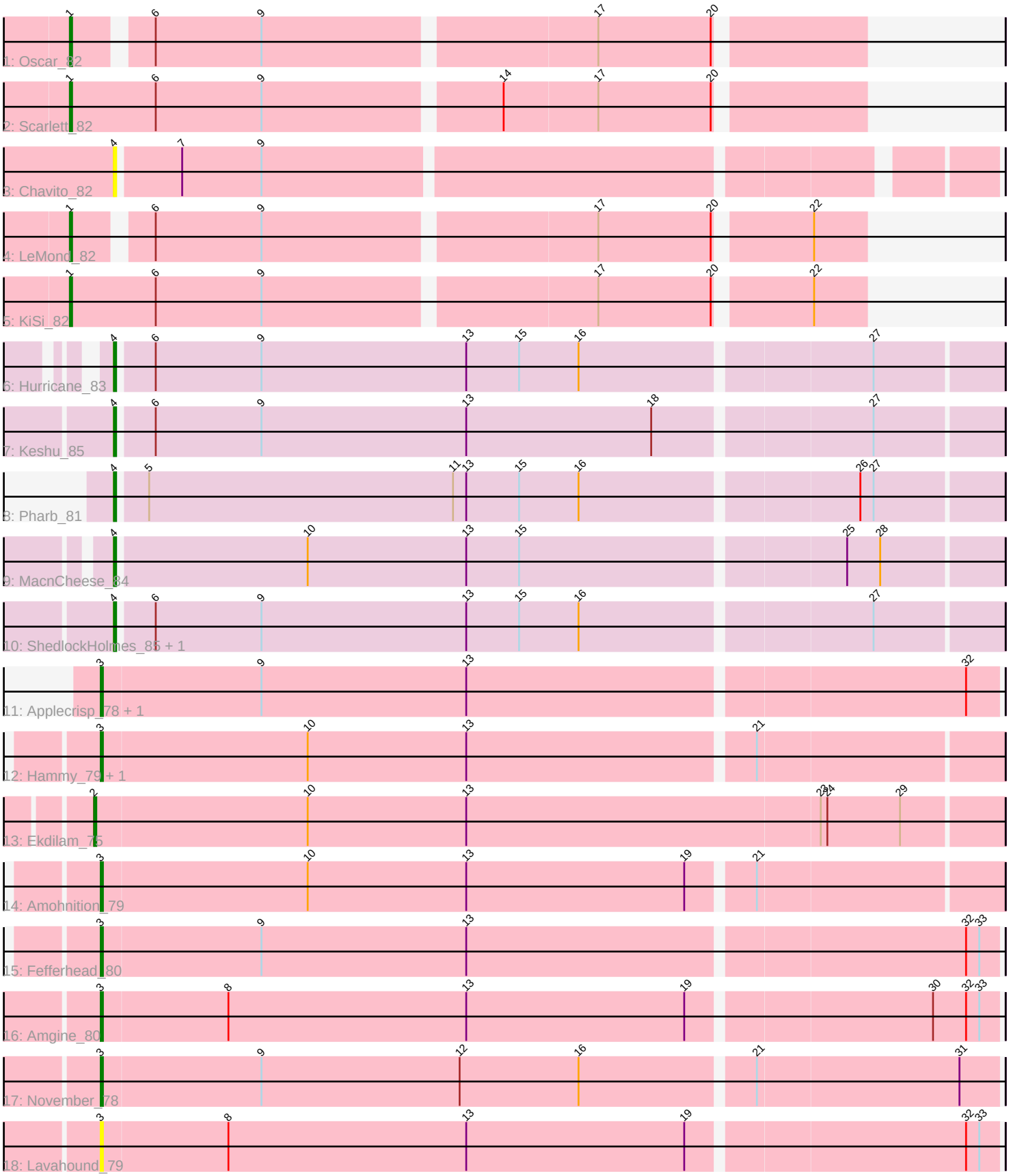
Pham 280867


1: Oscar_82
2: Scarlett_82
3: Chavito_82
4: LeMond_82
5: KiSi_82
6: Hurricane_83
7: Keshu_85
8: Pharb_81
9: MacnCheese_84
10: ShedlockHolmes_85 + 1
11: Applecrisp_78 + 1
12: Hammy_79 + 1
13: Ekdilam_75
14: Amohnition_79
15: Fefferhead_80
16: Amgine_80
17: November_78
18: Lavahound_79

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 280867 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280867 has 21 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Oscar_82
• Track 2 : Scarlett_82
• Track 3 : Chavito_82
• Track 4 : LeMond_82
• Track 5 : KiSi_82
• Track 6 : Hurricane_83
• Track 7 : Keshu_85
• Track 8 : Pharb_81
• Track 9 : MacnCheese_84
• Track 10 : ShedlockHolmes_85, Lea83_83
• Track 11 : Applecrisp_78, Ellie_78
• Track 12 : Hammy_79, DarthP_79
• Track 13 : Ekdilam_75
• Track 14 : Amohnition_79
• Track 15 : Fefferhead_80
• Track 16 : Amgine_80
• Track 17 : November_78
• Track 18 : Lavahound_79

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amgine_80, Amohnition_79, Applecrisp_78, DarthP_79, Ellie_78, Fefferhead_80, Hammy_79, Lavahound_79, November_78,

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

Genes that do not have the "Most Annotated" start:
• Chavito_82, Ekdilam_75, Hurricane_83, Keshu_85, KiSi_82, LeMond_82, Lea83_83, MacnCheese_84, Oscar_82, Pharb_81, Scarlett_82, ShedlockHolmes_85,

Summary by start number:

Start 1:
• Found in 4 of 21 (19.0%) of genes in pham
• Manual Annotations of this start: 4 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KiSi_82 (K1), LeMond_82 (K1), Oscar_82 (K1), Scarlett_82 (K1),

Start 2:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ekdilam_75 (K6),

Start 3:
• Found in 9 of 21 (42.9%) of genes in pham
• Manual Annotations of this start: 8 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amgine_80 (K6), Amohnition_79 (K6), Applecrisp_78 (K6), DarthP_79 (K6), Ellie_78 (K6), Fefferhead_80 (K6), Hammy_79 (K6), Lavahound_79 (K6), November_78 (K6),

Start 4:
• Found in 7 of 21 (33.3%) of genes in pham
• Manual Annotations of this start: 6 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chavito_82 (K1), Hurricane_83 (K3), Keshu_85 (K3), Lea83_83 (K3), MacnCheese_84 (K3), Pharb_81 (K3), ShedlockHolmes_85 (K3),

Summary by clusters:

There are 3 clusters represented in this pham: K3, K1, K6,

Info for manual annotations of cluster K1:
•Start number 1 was manually annotated 4 times for cluster K1.

Info for manual annotations of cluster K3:
•Start number 4 was manually annotated 6 times for cluster K3.

Info for manual annotations of cluster K6:
•Start number 2 was manually annotated 1 time for cluster K6.
•Start number 3 was manually annotated 8 times for cluster K6.

Gene Information:

Gene: Amgine_80 Start: 53672, Stop: 54070, Start Num: 3
Candidate Starts for Amgine_80:

(Start: 3 @53672 has 8 MA's), (8, 53729), (13, 53837), (19, 53936), (30, 54041), (32, 54056), (33, 54062),

Gene: Amohnition_79 Start: 53282, Stop: 53680, Start Num: 3
Candidate Starts for Amohnition_79:
(Start: 3 @53282 has 8 MA's), (10, 53375), (13, 53447), (19, 53546), (21, 53573),

Gene: Applecrisp_78 Start: 52849, Stop: 53247, Start Num: 3
Candidate Starts for Applecrisp_78:
(Start: 3 @52849 has 8 MA's), (9, 52921), (13, 53014), (32, 53233),

Gene: Chavito_82 Start: 54199, Stop: 54570, Start Num: 4
Candidate Starts for Chavito_82:
(Start: 4 @54199 has 6 MA's), (7, 54226), (9, 54262),

Gene: DarthP_79 Start: 53135, Stop: 53533, Start Num: 3
Candidate Starts for DarthP_79:
(Start: 3 @53135 has 8 MA's), (10, 53228), (13, 53300), (21, 53426),

Gene: Ekdilam_75 Start: 53083, Stop: 53490, Start Num: 2
Candidate Starts for Ekdilam_75:
(Start: 2 @53083 has 1 MA's), (10, 53179), (13, 53251), (23, 53410), (24, 53413), (29, 53446),

Gene: Ellie_78 Start: 52840, Stop: 53238, Start Num: 3
Candidate Starts for Ellie_78:
(Start: 3 @52840 has 8 MA's), (9, 52912), (13, 53005), (32, 53224),

Gene: Fefferhead_80 Start: 52636, Stop: 53034, Start Num: 3
Candidate Starts for Fefferhead_80:
(Start: 3 @52636 has 8 MA's), (9, 52708), (13, 52801), (32, 53020), (33, 53026),

Gene: Hammy_79 Start: 53125, Stop: 53523, Start Num: 3
Candidate Starts for Hammy_79:
(Start: 3 @53125 has 8 MA's), (10, 53218), (13, 53290), (21, 53416),

Gene: Hurricane_83 Start: 53565, Stop: 53954, Start Num: 4
Candidate Starts for Hurricane_83:
(Start: 4 @53565 has 6 MA's), (6, 53580), (9, 53628), (13, 53721), (15, 53745), (16, 53772), (27, 53898),

Gene: Keshu_85 Start: 53794, Stop: 54183, Start Num: 4
Candidate Starts for Keshu_85:
(Start: 4 @53794 has 6 MA's), (6, 53809), (9, 53857), (13, 53950), (18, 54034), (27, 54127),

Gene: KiSi_82 Start: 52991, Stop: 53335, Start Num: 1
Candidate Starts for KiSi_82:
(Start: 1 @52991 has 4 MA's), (6, 53030), (9, 53078), (17, 53222), (20, 53273), (22, 53312),

Gene: Lavahound_79 Start: 53805, Stop: 54203, Start Num: 3
Candidate Starts for Lavahound_79:
(Start: 3 @53805 has 8 MA's), (8, 53862), (13, 53970), (19, 54069), (32, 54189), (33, 54195),

Gene: LeMond_82 Start: 53062, Stop: 53397, Start Num: 1

Candidate Starts for LeMond_82:
(Start: 1 @53062 has 4 MA's), (6, 53092), (9, 53140), (17, 53284), (20, 53335), (22, 53374),

Gene: Lea83_83 Start: 53686, Stop: 54075, Start Num: 4
Candidate Starts for Lea83_83:
(Start: 4 @53686 has 6 MA's), (6, 53701), (9, 53749), (13, 53842), (15, 53866), (16, 53893), (27, 54019),

Gene: MacnCheese_84 Start: 54056, Stop: 54445, Start Num: 4
Candidate Starts for MacnCheese_84:
(Start: 4 @54056 has 6 MA's), (10, 54140), (13, 54212), (15, 54236), (25, 54377), (28, 54392),

Gene: November_78 Start: 52938, Stop: 53336, Start Num: 3
Candidate Starts for November_78:
(Start: 3 @52938 has 8 MA's), (9, 53010), (12, 53100), (16, 53154), (21, 53229), (31, 53319),

Gene: Oscar_82 Start: 52982, Stop: 53317, Start Num: 1
Candidate Starts for Oscar_82:
(Start: 1 @52982 has 4 MA's), (6, 53012), (9, 53060), (17, 53204), (20, 53255),

Gene: Pharb_81 Start: 52872, Stop: 53261, Start Num: 4
Candidate Starts for Pharb_81:
(Start: 4 @52872 has 6 MA's), (5, 52884), (11, 53022), (13, 53028), (15, 53052), (16, 53079), (26, 53199), (27, 53205),

Gene: Scarlett_82 Start: 52850, Stop: 53194, Start Num: 1
Candidate Starts for Scarlett_82:
(Start: 1 @52850 has 4 MA's), (6, 52889), (9, 52937), (14, 53039), (17, 53081), (20, 53132),

Gene: ShedlockHolmes_85 Start: 53692, Stop: 54081, Start Num: 4
Candidate Starts for ShedlockHolmes_85:
(Start: 4 @53692 has 6 MA's), (6, 53707), (9, 53755), (13, 53848), (15, 53872), (16, 53899), (27, 54025),