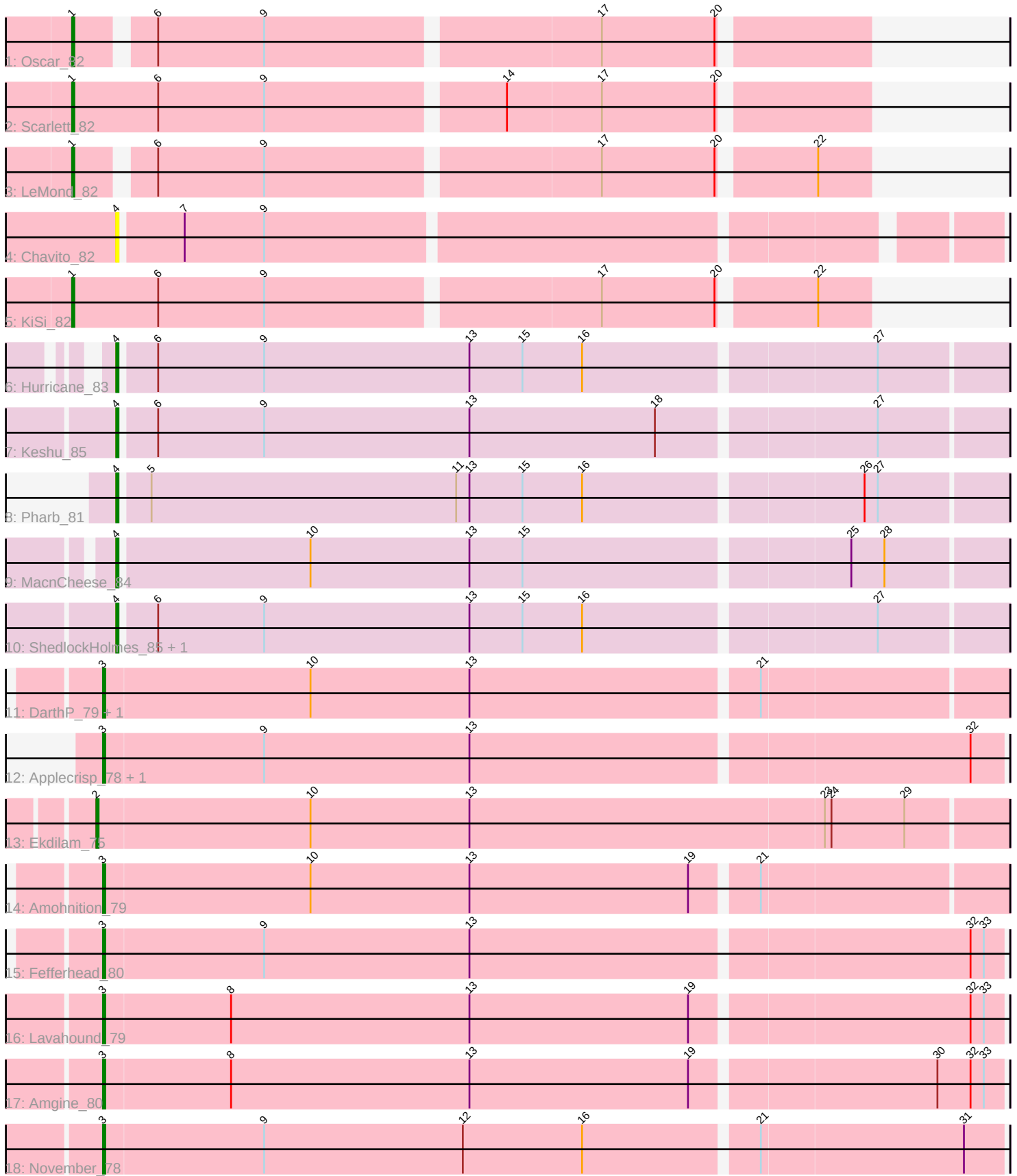


# Pham 329416



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 329416 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329416 has 21 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Oscar\_82
- Track 2 : Scarlett\_82
- Track 3 : LeMond\_82
- Track 4 : Chavito\_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 : DarthP\_79, Hammy\_79
- Track 12 : Applecrisp\_78, Ellie\_78
- Track 13 : Ekdilam\_75
- Track 14 : Amohnition\_79
- Track 15 : Fefferhead\_80
- Track 16 : Lavahound\_79
- Track 17 : Amgine\_80
- Track 18 : November\_78

### ***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 9 of the 20 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 20
- 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 20
- 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: 9 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amgine\_80 (K6), Amohnition\_79 (K6), Applecrisp\_78 (K6), DARTH\_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 20
- 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 9 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 9 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 9 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 9 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 9 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 9 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 9 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 9 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 9 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 9 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),