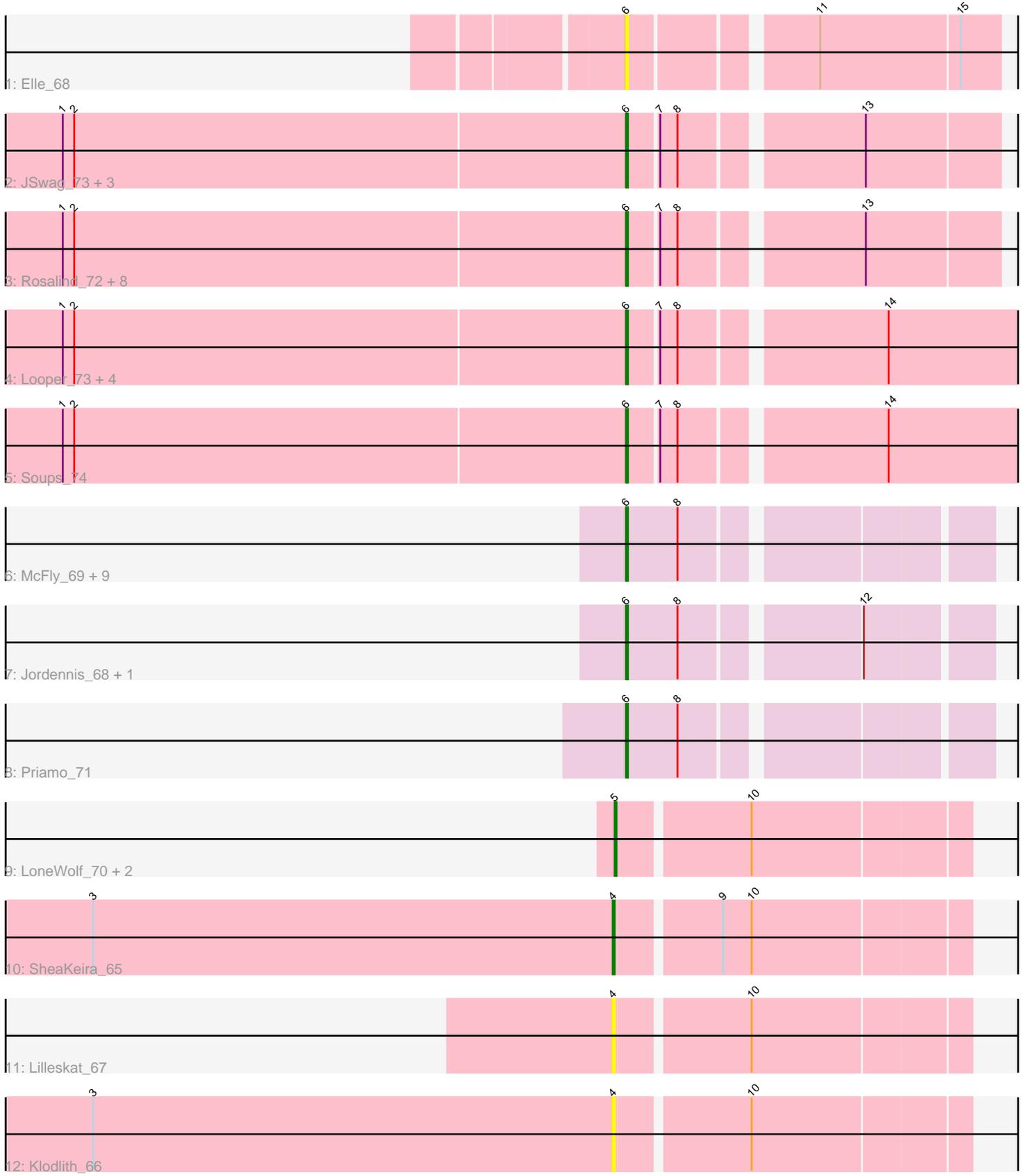


Pham 283983



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 283983 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283983 has 39 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Elle\_68
- Track 2 : JSwag\_73, Strosahl\_74, Waits\_74, Remus\_74
- Track 3 : Rosalind\_72, KatherineG\_74, Switzerland\_73, MinecraftSteve\_74, Epsocamisio\_70, DekHockey33\_75, ShayRa\_74, Nebulosus\_71, Battleship\_76
- Track 4 : Looper\_73, LastResort\_72, Boohoo\_74, ReMo\_72, Anaysia\_74
- Track 5 : Soups\_74
- Track 6 : McFly\_69, Dorothea\_69, Pmask\_68, Neeharika16\_68, Chartreuse\_68, DaVinci\_67, JewelBug\_69, SuperCallie99\_66, Cookiedough\_69, DelvinSonDorr\_66
- Track 7 : Jordennis\_68, BABullseye\_62
- Track 8 : Priamo\_71
- Track 9 : LoneWolf\_70, BogosyJay\_70, Maminiaina\_70
- Track 10 : SheaKeira\_65
- Track 11 : Lilleskat\_67
- Track 12 : Klodlith\_66

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

The start number called the most often in the published annotations is 6, it was called in 31 of the 35 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anaysia\_74, BABullseye\_62, Battleship\_76, Boohoo\_74, Chartreuse\_68, Cookiedough\_69, DaVinci\_67, DekHockey33\_75, DelvinSonDorr\_66, Dorothea\_69, Elle\_68, Epsocamisio\_70, JSwag\_73, JewelBug\_69, Jordennis\_68, KatherineG\_74, LastResort\_72, Looper\_73, McFly\_69, MinecraftSteve\_74, Nebulosus\_71, Neeharika16\_68, Pmask\_68, Priamo\_71, ReMo\_72, Remus\_74, Rosalind\_72, ShayRa\_74, Soups\_74, Strosahl\_74, SuperCallie99\_66, Switzerland\_73, Waits\_74,

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

- 

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

- BogosyJay\_70, Klodlith\_66, Lilleskat\_67, LoneWolf\_70, Maminiaina\_70, SheaKeira\_65,

## Summary by start number:

### Start 4:

- Found in 3 of 39 ( 7.7% ) of genes in pham
- Manual Annotations of this start: 1 of 35
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Klodlith\_66 (A9), Lilleskat\_67 (A9), SheaKeira\_65 (A9),

### Start 5:

- Found in 3 of 39 ( 7.7% ) of genes in pham
- Manual Annotations of this start: 3 of 35
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BogosyJay\_70 (A9), LoneWolf\_70 (A9), Maminiaina\_70 (A9),

### Start 6:

- Found in 33 of 39 ( 84.6% ) of genes in pham
- Manual Annotations of this start: 31 of 35
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anaysia\_74 (A15), BABullseye\_62 (A6), Battleship\_76 (A15), Boohoo\_74 (A15), Chartreuse\_68 (A6), Cookiedough\_69 (A6), DaVinci\_67 (A6), DekHockey33\_75 (A15), DelvinSonDorr\_66 (A6), Dorothea\_69 (A6), Elle\_68 (A15), Epsocamisio\_70 (A15), JSwag\_73 (A15), JewelBug\_69 (A6), Jordennis\_68 (A6), KatherineG\_74 (A15), LastResort\_72 (A15), Looper\_73 (A15), McFly\_69 (A6), MinecraftSteve\_74 (A15), Nebulosus\_71 (A15), Neeharika16\_68 (A6), Pmask\_68 (A6), Priamo\_71 (A6), ReMo\_72 (A15), Remus\_74 (A15), Rosalind\_72 (A15), ShayRa\_74 (A15), Soups\_74 (A15), Strosahl\_74 (A15), SuperCallie99\_66 (A6), Switzerland\_73 (A15), Waits\_74 (A15),

## Summary by clusters:

There are 3 clusters represented in this pham: A15, A9, A6,

### Info for manual annotations of cluster A15:

- Start number 6 was manually annotated 19 times for cluster A15.

### Info for manual annotations of cluster A6:

- Start number 6 was manually annotated 12 times for cluster A6.

### Info for manual annotations of cluster A9:

- Start number 4 was manually annotated 1 time for cluster A9.
- Start number 5 was manually annotated 3 times for cluster A9.

## Gene Information:

Gene: Anaysia\_74 Start: 40835, Stop: 40641, Start Num: 6

Candidate Starts for Anaysia\_74:

(1, 41129), (2, 41123), (Start: 6 @40835 has 31 MA's), (7, 40820), (8, 40811), (14, 40712),

Gene: BABullseye\_62 Start: 37899, Stop: 37726, Start Num: 6  
Candidate Starts for BABullseye\_62:  
(Start: 6 @37899 has 31 MA's), (8, 37872), (12, 37788),

Gene: Battleship\_76 Start: 41041, Stop: 40862, Start Num: 6  
Candidate Starts for Battleship\_76:  
(1, 41335), (2, 41329), (Start: 6 @41041 has 31 MA's), (7, 41026), (8, 41017), (13, 40930),

Gene: BogosyJay\_70 Start: 41590, Stop: 41414, Start Num: 5  
Candidate Starts for BogosyJay\_70:  
(Start: 5 @41590 has 3 MA's), (10, 41524),

Gene: Boohoo\_74 Start: 40835, Stop: 40641, Start Num: 6  
Candidate Starts for Boohoo\_74:  
(1, 41129), (2, 41123), (Start: 6 @40835 has 31 MA's), (7, 40820), (8, 40811), (14, 40712),

Gene: Chartreuse\_68 Start: 39579, Stop: 39406, Start Num: 6  
Candidate Starts for Chartreuse\_68:  
(Start: 6 @39579 has 31 MA's), (8, 39552),

Gene: Cookiedough\_69 Start: 40207, Stop: 40034, Start Num: 6  
Candidate Starts for Cookiedough\_69:  
(Start: 6 @40207 has 31 MA's), (8, 40180),

Gene: DaVinci\_67 Start: 39633, Stop: 39460, Start Num: 6  
Candidate Starts for DaVinci\_67:  
(Start: 6 @39633 has 31 MA's), (8, 39606),

Gene: DekHockey33\_75 Start: 41126, Stop: 40947, Start Num: 6  
Candidate Starts for DekHockey33\_75:  
(1, 41420), (2, 41414), (Start: 6 @41126 has 31 MA's), (7, 41111), (8, 41102), (13, 41015),

Gene: DelvinSonDorr\_66 Start: 40438, Stop: 40265, Start Num: 6  
Candidate Starts for DelvinSonDorr\_66:  
(Start: 6 @40438 has 31 MA's), (8, 40411),

Gene: Dorothea\_69 Start: 40205, Stop: 40032, Start Num: 6  
Candidate Starts for Dorothea\_69:  
(Start: 6 @40205 has 31 MA's), (8, 40178),

Gene: Elle\_68 Start: 39328, Stop: 39149, Start Num: 6  
Candidate Starts for Elle\_68:  
(Start: 6 @39328 has 31 MA's), (11, 39241), (15, 39169),

Gene: Epsocamisio\_70 Start: 40273, Stop: 40094, Start Num: 6  
Candidate Starts for Epsocamisio\_70:  
(1, 40567), (2, 40561), (Start: 6 @40273 has 31 MA's), (7, 40258), (8, 40249), (13, 40162),

Gene: JSwag\_73 Start: 40558, Stop: 40379, Start Num: 6  
Candidate Starts for JSwag\_73:  
(1, 40852), (2, 40846), (Start: 6 @40558 has 31 MA's), (7, 40543), (8, 40534), (13, 40447),

Gene: JewelBug\_69 Start: 40499, Stop: 40326, Start Num: 6

Candidate Starts for JewelBug\_69:  
(Start: 6 @40499 has 31 MA's), (8, 40472),

Gene: Jordennis\_68 Start: 39980, Stop: 39807, Start Num: 6  
Candidate Starts for Jordennis\_68:  
(Start: 6 @39980 has 31 MA's), (8, 39953), (12, 39869),

Gene: KatherineG\_74 Start: 41031, Stop: 40852, Start Num: 6  
Candidate Starts for KatherineG\_74:  
(1, 41325), (2, 41319), (Start: 6 @41031 has 31 MA's), (7, 41016), (8, 41007), (13, 40920),

Gene: Klodlith\_66 Start: 40644, Stop: 40468, Start Num: 4  
Candidate Starts for Klodlith\_66:  
(3, 40917), (Start: 4 @40644 has 1 MA's), (10, 40578),

Gene: LastResort\_72 Start: 40611, Stop: 40417, Start Num: 6  
Candidate Starts for LastResort\_72:  
(1, 40905), (2, 40899), (Start: 6 @40611 has 31 MA's), (7, 40596), (8, 40587), (14, 40488),

Gene: Lilleskat\_67 Start: 41392, Stop: 41216, Start Num: 4  
Candidate Starts for Lilleskat\_67:  
(Start: 4 @41392 has 1 MA's), (10, 41326),

Gene: LoneWolf\_70 Start: 41439, Stop: 41263, Start Num: 5  
Candidate Starts for LoneWolf\_70:  
(Start: 5 @41439 has 3 MA's), (10, 41373),

Gene: Looper\_73 Start: 40523, Stop: 40329, Start Num: 6  
Candidate Starts for Looper\_73:  
(1, 40817), (2, 40811), (Start: 6 @40523 has 31 MA's), (7, 40508), (8, 40499), (14, 40400),

Gene: Maminiaina\_70 Start: 41572, Stop: 41396, Start Num: 5  
Candidate Starts for Maminiaina\_70:  
(Start: 5 @41572 has 3 MA's), (10, 41506),

Gene: McFly\_69 Start: 40192, Stop: 40019, Start Num: 6  
Candidate Starts for McFly\_69:  
(Start: 6 @40192 has 31 MA's), (8, 40165),

Gene: MinecraftSteve\_74 Start: 40846, Stop: 40667, Start Num: 6  
Candidate Starts for MinecraftSteve\_74:  
(1, 41140), (2, 41134), (Start: 6 @40846 has 31 MA's), (7, 40831), (8, 40822), (13, 40735),

Gene: Nebulosus\_71 Start: 40510, Stop: 40331, Start Num: 6  
Candidate Starts for Nebulosus\_71:  
(1, 40804), (2, 40798), (Start: 6 @40510 has 31 MA's), (7, 40495), (8, 40486), (13, 40399),

Gene: Neeharika16\_68 Start: 39659, Stop: 39486, Start Num: 6  
Candidate Starts for Neeharika16\_68:  
(Start: 6 @39659 has 31 MA's), (8, 39632),

Gene: Pmask\_68 Start: 40195, Stop: 40022, Start Num: 6  
Candidate Starts for Pmask\_68:

(Start: 6 @40195 has 31 MA's), (8, 40168),

Gene: Priamo\_71 Start: 40046, Stop: 39873, Start Num: 6

Candidate Starts for Priamo\_71:

(Start: 6 @40046 has 31 MA's), (8, 40019),

Gene: ReMo\_72 Start: 40608, Stop: 40414, Start Num: 6

Candidate Starts for ReMo\_72:

(1, 40902), (2, 40896), (Start: 6 @40608 has 31 MA's), (7, 40593), (8, 40584), (14, 40485),

Gene: Remus\_74 Start: 40598, Stop: 40419, Start Num: 6

Candidate Starts for Remus\_74:

(1, 40892), (2, 40886), (Start: 6 @40598 has 31 MA's), (7, 40583), (8, 40574), (13, 40487),

Gene: Rosalind\_72 Start: 40765, Stop: 40586, Start Num: 6

Candidate Starts for Rosalind\_72:

(1, 41059), (2, 41053), (Start: 6 @40765 has 31 MA's), (7, 40750), (8, 40741), (13, 40654),

Gene: ShayRa\_74 Start: 40794, Stop: 40615, Start Num: 6

Candidate Starts for ShayRa\_74:

(1, 41088), (2, 41082), (Start: 6 @40794 has 31 MA's), (7, 40779), (8, 40770), (13, 40683),

Gene: SheaKeira\_65 Start: 40520, Stop: 40344, Start Num: 4

Candidate Starts for SheaKeira\_65:

(3, 40793), (Start: 4 @40520 has 1 MA's), (9, 40469), (10, 40454),

Gene: Soups\_74 Start: 41058, Stop: 40864, Start Num: 6

Candidate Starts for Soups\_74:

(1, 41352), (2, 41346), (Start: 6 @41058 has 31 MA's), (7, 41043), (8, 41034), (14, 40935),

Gene: Strosahl\_74 Start: 40598, Stop: 40419, Start Num: 6

Candidate Starts for Strosahl\_74:

(1, 40892), (2, 40886), (Start: 6 @40598 has 31 MA's), (7, 40583), (8, 40574), (13, 40487),

Gene: SuperCallie99\_66 Start: 40079, Stop: 39906, Start Num: 6

Candidate Starts for SuperCallie99\_66:

(Start: 6 @40079 has 31 MA's), (8, 40052),

Gene: Switzerland\_73 Start: 40933, Stop: 40754, Start Num: 6

Candidate Starts for Switzerland\_73:

(1, 41227), (2, 41221), (Start: 6 @40933 has 31 MA's), (7, 40918), (8, 40909), (13, 40822),

Gene: Waits\_74 Start: 40830, Stop: 40651, Start Num: 6

Candidate Starts for Waits\_74:

(1, 41124), (2, 41118), (Start: 6 @40830 has 31 MA's), (7, 40815), (8, 40806), (13, 40719),