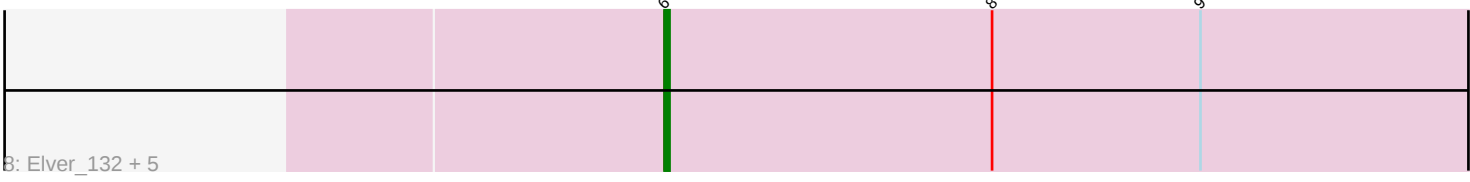
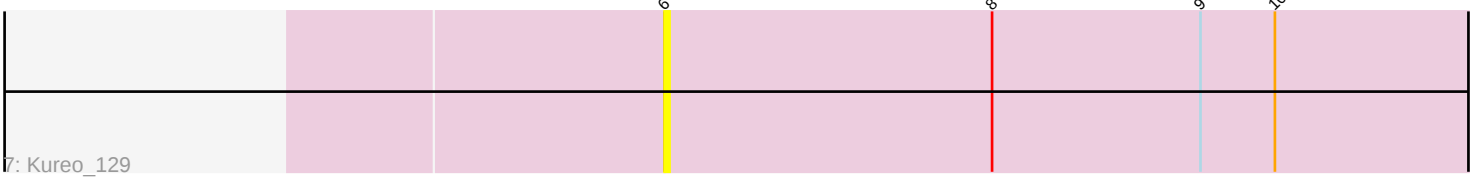
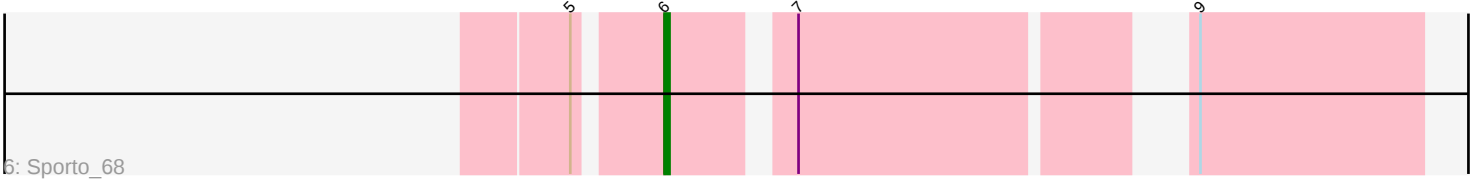
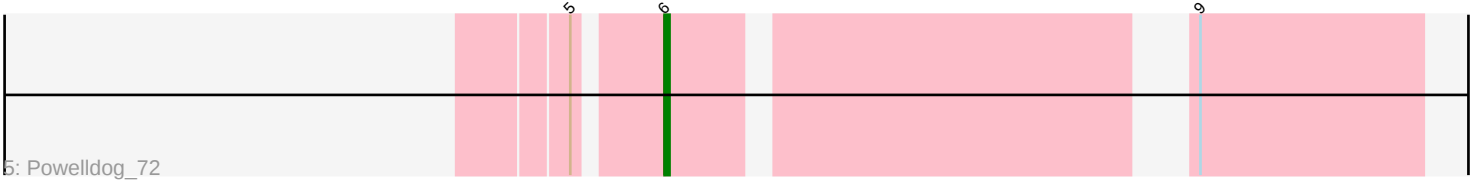
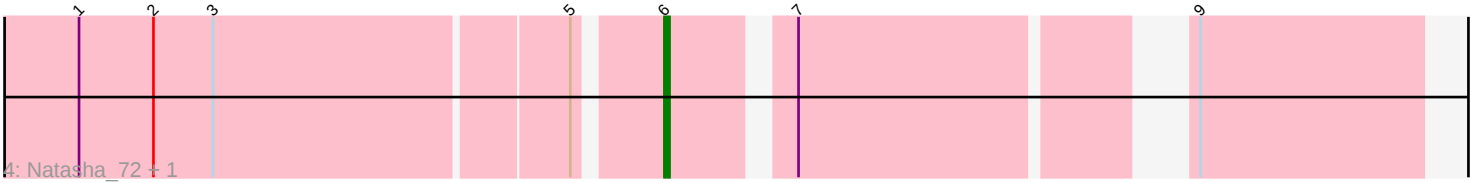
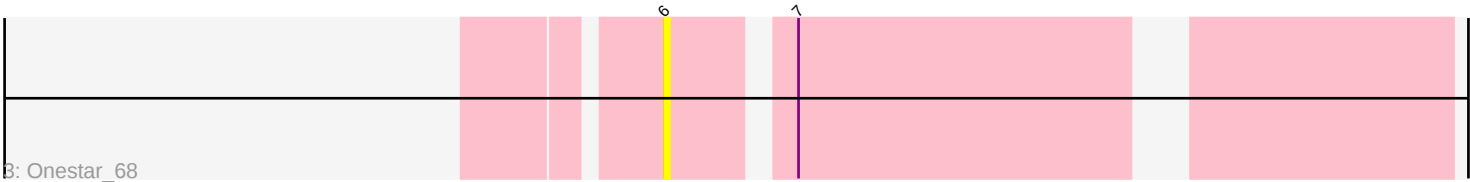
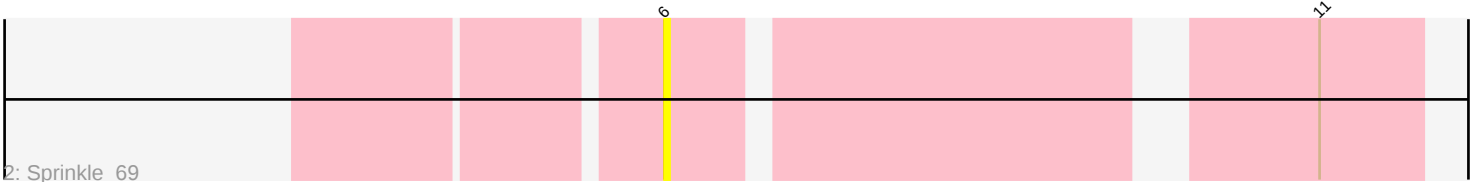
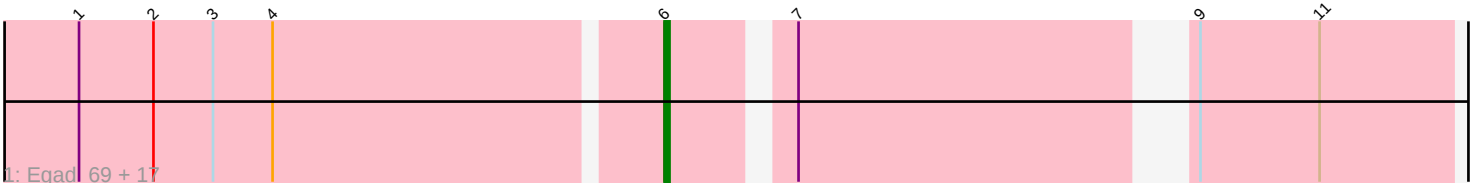


Pham 271995



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 271995 Report

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

Pham number 271995 has 31 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Egad\_69, Spain\_69, Linda\_69, Stayer\_69, Sloopyjoe\_69, StarLord\_69, Boog\_68, ProfFrink\_69, Shiba\_68, Michelle\_69, Jeremy4pt0\_66, Salk\_69, MrAaronian\_69, Raunak\_70, BronxBay\_69, HerbBucket\_67, Djungelskog\_68, DoctorPepper\_68
- Track 2 : Sprinkle\_69
- Track 3 : Onestar\_68
- Track 4 : Natasha\_72, RustyBoy\_73
- Track 5 : Powellldog\_72
- Track 6 : Sporto\_68
- Track 7 : Kureo\_129
- Track 8 : Elver\_132, Paella\_132, JeNeSaisPas\_126, Qui\_132, Gandionco\_128, Marianna39\_129

### ***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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boog\_68, BronxBay\_69, Djungelskog\_68, DoctorPepper\_68, Egad\_69, Elver\_132, Gandionco\_128, HerbBucket\_67, JeNeSaisPas\_126, Jeremy4pt0\_66, Kureo\_129, Linda\_69, Marianna39\_129, Michelle\_69, MrAaronian\_69, Natasha\_72, Onestar\_68, Paella\_132, Powellldog\_72, ProfFrink\_69, Qui\_132, Raunak\_70, RustyBoy\_73, Salk\_69, Shiba\_68, Sloopyjoe\_69, Spain\_69, Sporto\_68, Sprinkle\_69, StarLord\_69, Stayer\_69,

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 6:

- Found in 31 of 31 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 21 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boog\_68 (AW), BronxBay\_69 (AW), Djungelskog\_68 (AW), DoctorPepper\_68 (AW), Egad\_69 (AW), Elver\_132 (FK), Gandionco\_128 (FK), HerbBucket\_67 (AW), JeNeSaisPas\_126 (FK), Jeremy4pt0\_66 (AW), Kureo\_129 (FK), Linda\_69 (AW), Marianna39\_129 (FK), Michelle\_69 (AW), MrAaronian\_69 (AW), Natasha\_72 (AW), Onestar\_68 (AW), Paella\_132 (FK), PowellDog\_72 (AW), ProfFrink\_69 (AW), Qui\_132 (FK), Raunak\_70 (AW), RustyBoy\_73 (AW), Salk\_69 (AW), Shiba\_68 (AW), Sloopyjoe\_69 (AW), Spain\_69 (AW), Sporto\_68 (AW), Sprinkle\_69 (AW), StarLord\_69 (AW), Stayer\_69 (AW),

### Summary by clusters:

There are 2 clusters represented in this pham: FK, AW,

Info for manual annotations of cluster AW:

- Start number 6 was manually annotated 18 times for cluster AW.

Info for manual annotations of cluster FK:

- Start number 6 was manually annotated 3 times for cluster FK.

### Gene Information:

Gene: Boog\_68 Start: 44059, Stop: 44199, Start Num: 6

Candidate Starts for Boog\_68:

(1, 43945), (2, 43960), (3, 43972), (4, 43984), (Start: 6 @44059 has 21 MA's), (7, 44080), (9, 44149), (11, 44173),

Gene: BronxBay\_69 Start: 44331, Stop: 44471, Start Num: 6

Candidate Starts for BronxBay\_69:

(1, 44217), (2, 44232), (3, 44244), (4, 44256), (Start: 6 @44331 has 21 MA's), (7, 44352), (9, 44421), (11, 44445),

Gene: Djungelskog\_68 Start: 44333, Stop: 44473, Start Num: 6

Candidate Starts for Djungelskog\_68:

(1, 44219), (2, 44234), (3, 44246), (4, 44258), (Start: 6 @44333 has 21 MA's), (7, 44354), (9, 44423), (11, 44447),

Gene: DoctorPepper\_68 Start: 44035, Stop: 44175, Start Num: 6

Candidate Starts for DoctorPepper\_68:

(1, 43921), (2, 43936), (3, 43948), (4, 43960), (Start: 6 @44035 has 21 MA's), (7, 44056), (9, 44125), (11, 44149),

Gene: Egad\_69 Start: 44309, Stop: 44449, Start Num: 6

Candidate Starts for Egad\_69:

(1, 44195), (2, 44210), (3, 44222), (4, 44234), (Start: 6 @44309 has 21 MA's), (7, 44330), (9, 44399), (11, 44423),

Gene: Elver\_132 Start: 70682, Stop: 70846, Start Num: 6

Candidate Starts for Elver\_132:

(Start: 6 @70682 has 21 MA's), (8, 70748), (9, 70790),

Gene: Gandionco\_128 Start: 69500, Stop: 69664, Start Num: 6

Candidate Starts for Gandionco\_128:

(Start: 6 @69500 has 21 MA's), (8, 69566), (9, 69608),

Gene: HerbBucket\_67 Start: 44041, Stop: 44181, Start Num: 6

Candidate Starts for HerbBucket\_67:

(1, 43927), (2, 43942), (3, 43954), (4, 43966), (Start: 6 @44041 has 21 MA's), (7, 44062), (9, 44131), (11, 44155),

Gene: JeNeSaisPas\_126 Start: 70096, Stop: 70260, Start Num: 6

Candidate Starts for JeNeSaisPas\_126:

(Start: 6 @70096 has 21 MA's), (8, 70162), (9, 70204),

Gene: Jeremy4pt0\_66 Start: 44030, Stop: 44170, Start Num: 6

Candidate Starts for Jeremy4pt0\_66:

(1, 43916), (2, 43931), (3, 43943), (4, 43955), (Start: 6 @44030 has 21 MA's), (7, 44051), (9, 44120), (11, 44144),

Gene: Kureo\_129 Start: 69696, Stop: 69860, Start Num: 6

Candidate Starts for Kureo\_129:

(Start: 6 @69696 has 21 MA's), (8, 69762), (9, 69804), (10, 69819),

Gene: Linda\_69 Start: 44328, Stop: 44468, Start Num: 6

Candidate Starts for Linda\_69:

(1, 44214), (2, 44229), (3, 44241), (4, 44253), (Start: 6 @44328 has 21 MA's), (7, 44349), (9, 44418), (11, 44442),

Gene: Marianna39\_129 Start: 70105, Stop: 70269, Start Num: 6

Candidate Starts for Marianna39\_129:

(Start: 6 @70105 has 21 MA's), (8, 70171), (9, 70213),

Gene: Michelle\_69 Start: 44330, Stop: 44470, Start Num: 6

Candidate Starts for Michelle\_69:

(1, 44216), (2, 44231), (3, 44243), (4, 44255), (Start: 6 @44330 has 21 MA's), (7, 44351), (9, 44420), (11, 44444),

Gene: MrAaronian\_69 Start: 44330, Stop: 44470, Start Num: 6

Candidate Starts for MrAaronian\_69:

(1, 44216), (2, 44231), (3, 44243), (4, 44255), (Start: 6 @44330 has 21 MA's), (7, 44351), (9, 44420), (11, 44444),

Gene: Natasha\_72 Start: 44640, Stop: 44771, Start Num: 6

Candidate Starts for Natasha\_72:

(1, 44529), (2, 44544), (3, 44556), (5, 44625), (Start: 6 @44640 has 21 MA's), (7, 44661), (9, 44727),

Gene: Onestar\_68 Start: 44445, Stop: 44585, Start Num: 6

Candidate Starts for Onestar\_68:

(Start: 6 @44445 has 21 MA's), (7, 44466),

Gene: Paella\_132 Start: 71245, Stop: 71409, Start Num: 6

Candidate Starts for Paella\_132:

(Start: 6 @71245 has 21 MA's), (8, 71311), (9, 71353),

Gene: Powelldog\_72 Start: 45030, Stop: 45164, Start Num: 6

Candidate Starts for Powelldog\_72:

(5, 45015), (Start: 6 @45030 has 21 MA's), (9, 45120),

Gene: ProfFrink\_69 Start: 44308, Stop: 44448, Start Num: 6

Candidate Starts for ProfFrink\_69:

(1, 44194), (2, 44209), (3, 44221), (4, 44233), (Start: 6 @44308 has 21 MA's), (7, 44329), (9, 44398), (11, 44422),

Gene: Qui\_132 Start: 71245, Stop: 71409, Start Num: 6

Candidate Starts for Qui\_132:

(Start: 6 @71245 has 21 MA's), (8, 71311), (9, 71353),

Gene: Raunak\_70 Start: 43970, Stop: 44110, Start Num: 6

Candidate Starts for Raunak\_70:

(1, 43856), (2, 43871), (3, 43883), (4, 43895), (Start: 6 @43970 has 21 MA's), (7, 43991), (9, 44060), (11, 44084),

Gene: RustyBoy\_73 Start: 44839, Stop: 44970, Start Num: 6

Candidate Starts for RustyBoy\_73:

(1, 44728), (2, 44743), (3, 44755), (5, 44824), (Start: 6 @44839 has 21 MA's), (7, 44860), (9, 44926),

Gene: Salk\_69 Start: 44328, Stop: 44468, Start Num: 6

Candidate Starts for Salk\_69:

(1, 44214), (2, 44229), (3, 44241), (4, 44253), (Start: 6 @44328 has 21 MA's), (7, 44349), (9, 44418), (11, 44442),

Gene: Shiba\_68 Start: 43986, Stop: 44126, Start Num: 6

Candidate Starts for Shiba\_68:

(1, 43872), (2, 43887), (3, 43899), (4, 43911), (Start: 6 @43986 has 21 MA's), (7, 44007), (9, 44076), (11, 44100),

Gene: Sloopyjoe\_69 Start: 44332, Stop: 44472, Start Num: 6

Candidate Starts for Sloopyjoe\_69:

(1, 44218), (2, 44233), (3, 44245), (4, 44257), (Start: 6 @44332 has 21 MA's), (7, 44353), (9, 44422), (11, 44446),

Gene: Spain\_69 Start: 44330, Stop: 44470, Start Num: 6

Candidate Starts for Spain\_69:

(1, 44216), (2, 44231), (3, 44243), (4, 44255), (Start: 6 @44330 has 21 MA's), (7, 44351), (9, 44420), (11, 44444),

Gene: Sporto\_68 Start: 45413, Stop: 45544, Start Num: 6

Candidate Starts for Sporto\_68:

(5, 45398), (Start: 6 @45413 has 21 MA's), (7, 45434), (9, 45500),

Gene: Sprinkle\_69 Start: 44769, Stop: 44903, Start Num: 6

Candidate Starts for Sprinkle\_69:

(Start: 6 @44769 has 21 MA's), (11, 44883),

Gene: StarLord\_69 Start: 44325, Stop: 44465, Start Num: 6

Candidate Starts for StarLord\_69:

(1, 44211), (2, 44226), (3, 44238), (4, 44250), (Start: 6 @44325 has 21 MA's), (7, 44346), (9, 44415), (11, 44439),

Gene: Stayer\_69 Start: 44328, Stop: 44468, Start Num: 6

Candidate Starts for Stayer\_69:

(1, 44214), (2, 44229), (3, 44241), (4, 44253), (Start: 6 @44328 has 21 MA's), (7, 44349), (9, 44418), (11, 44442),