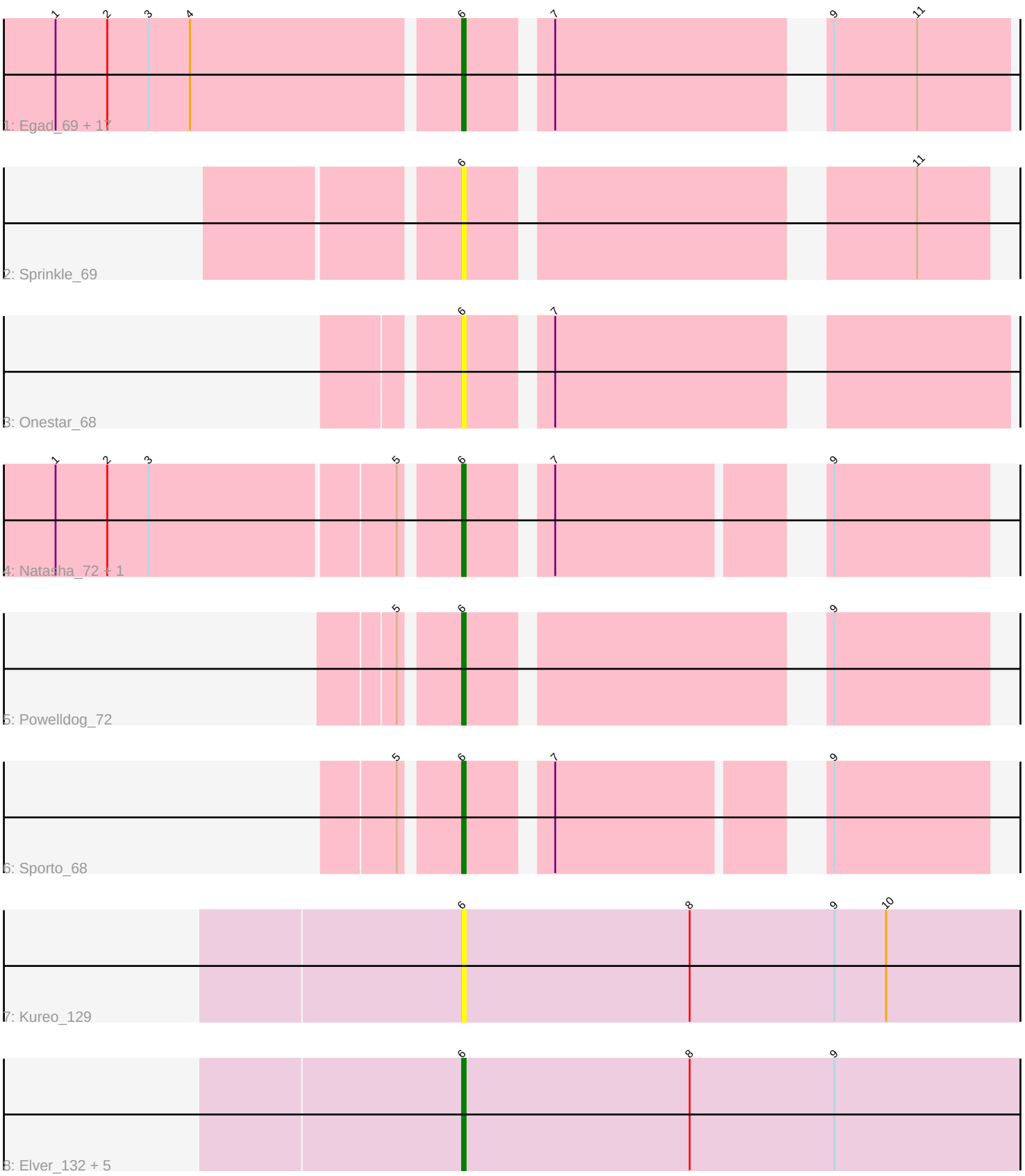
Pham 337009


1
2
3
4
6
7
9
11
1: Egad_69 + 17
6
11
2: Sprinkle_69
6
7
3: Onestar_68
1
2
3
5
6
7
9
4: Natasha_72 + 1
5
6
9
5: Powelldog_72
5
6
7
9
6: Sporto_68
6
8
9
10
7: Kureo_129
6
8
9
8: Elver_132 + 5

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 337009 Report

This analysis was run 11/14/26 on database version 672.

Pham number 337009 has 31 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Egad_69, Spain_69, Raunak_69, Linda_69, Stayer_69, Sloopyjoe_69, StarLord_69, Boog_68, Jeremy4pt0_68, ProfFrink_69, Shiba_68, Michelle_69, Salk_69, MrAaronian_69, BronxBay_69, HerbBucket_67, Djungelskog_68, DoctorPepper_68
• Track 2 : Sprinkle_69
• Track 3 : Onestar_68
• Track 4 : Natasha_72, RustyBoy_73
• Track 5 : Powelldog_72
• Track 6 : Sporto_68
• Track 7 : Kureo_129
• Track 8 : Elver_132, JeNeSaisPas_129, Paella_132, 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 24 of the 24 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_129, Jeremy4pt0_68, Kureo_129, Linda_69, Marianna39_129, Michelle_69, MrAaronian_69, Natasha_72, Onestar_68, Paella_132, Powelldog_72, ProfFrink_69, Qui_132, Raunak_69, 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: 24 of 24
• 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_129 (FK), Jeremy4pt0_68 (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_69 (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 20 times for cluster AW.

Info for manual annotations of cluster FK:
•Start number 6 was manually annotated 4 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 24 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 24 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 24 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 24 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 24 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 24 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 24 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 24 MA's), (7, 44062), (9, 44131), (11, 44155),

Gene: JeNeSaisPas_129 Start: 70096, Stop: 70260, Start Num: 6
Candidate Starts for JeNeSaisPas_129:
(Start: 6 @70096 has 24 MA's), (8, 70162), (9, 70204),

Gene: Jeremy4pt0_68 Start: 44030, Stop: 44170, Start Num: 6
Candidate Starts for Jeremy4pt0_68:
(1, 43916), (2, 43931), (3, 43943), (4, 43955), (Start: 6 @44030 has 24 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 24 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 24 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 24 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 24 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 24 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 24 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 24 MA's), (7, 44466),

Gene: Paella_132 Start: 71245, Stop: 71409, Start Num: 6

Candidate Starts for Paella_132:
(Start: 6 @71245 has 24 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 24 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 24 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 24 MA's), (8, 71311), (9, 71353),

Gene: Raunak_69 Start: 43970, Stop: 44110, Start Num: 6
Candidate Starts for Raunak_69:
(1, 43856), (2, 43871), (3, 43883), (4, 43895), (Start: 6 @43970 has 24 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 24 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 24 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 24 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 24 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 24 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 24 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 24 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 24 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 24 MA's), (7, 44349), (9, 44418), (11, 44442),