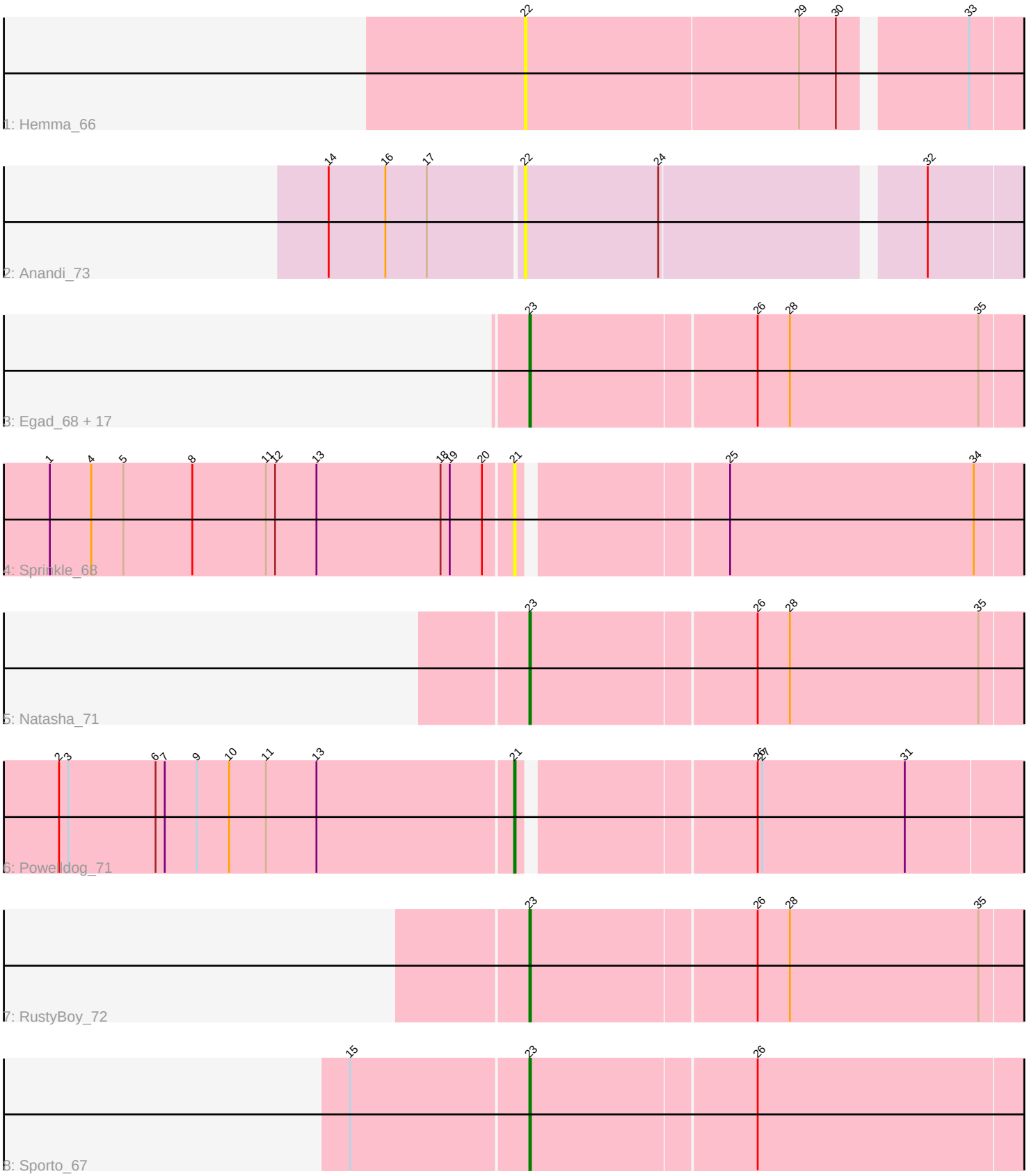
Pham 291477


22
29
30
33
1: Hemma_66
14
16
17
22
24
32
2: Anandi_73
23
26
28
35
3: Egad_68 + 17
1
4
5
8
11
12
13
18
19
20
21
25
34
4: Sprinkle_68
23
26
28
35
5: Natasha_71
23
6
7
9
10
11
13
21
26
27
31
6: Powelldog_71
23
26
28
35
7: RustyBoy_72
15
23
26
8: Sporto_67

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 291477 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291477 has 25 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Hemma_66
• Track 2 : Anandi_73
• Track 3 : Egad_68, Salk_68, Spain_68, Raunak_69, Linda_68, Stayer_68, Sloopyjoe_68, StarLord_68, BronxBay_68, Boog_67, ProfFrink_68, Shiba_67, Jeremy4pt0_65, Michelle_68, MrAaronian_68, HerbBucket_66, DoctorPepper_67, Djungelskog_67
• Track 4 : Sprinkle_68
• Track 5 : Natasha_71
• Track 6 : Powelldog_71
• Track 7 : RustyBoy_72
• Track 8 : Sporto_67

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

The start number called the most often in the published annotations is 23, it was called in 17 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Boog_67, BronxBay_68, Djungelskog_67, DoctorPepper_67, Egad_68, HerbBucket_66, Jeremy4pt0_65, Linda_68, Michelle_68, MrAaronian_68, Natasha_71, ProfFrink_68, Raunak_69, RustyBoy_72, Salk_68, Shiba_67, Sloopyjoe_68, Spain_68, Sporto_67, StarLord_68, Stayer_68,

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

Genes that do not have the "Most Annotated" start:
• Anandi_73, Hemma_66, Powelldog_71, Sprinkle_68,

Summary by start number:

Start 21:
• Found in 2 of 25 (8.0%) of genes in pham
• Manual Annotations of this start: 1 of 18

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Powelldog_71 (AW), Sprinkle_68 (AW),

Start 22:
• Found in 2 of 25 (8.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anandi_73 (AU4), Hemma_66 (AU1),

Start 23:
• Found in 21 of 25 (84.0%) of genes in pham
• Manual Annotations of this start: 17 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Boog_67 (AW), BronxBay_68 (AW), Djungelskog_67 (AW), DoctorPepper_67 (AW), Egad_68 (AW), HerbBucket_66 (AW), Jeremy4pt0_65 (AW), Linda_68 (AW), Michelle_68 (AW), MrAaronian_68 (AW), Natasha_71 (AW), ProfFrink_68 (AW), Raunak_69 (AW), RustyBoy_72 (AW), Salk_68 (AW), Shiba_67 (AW), Sloopyjoe_68 (AW), Spain_68 (AW), Sporto_67 (AW), StarLord_68 (AW), Stayer_68 (AW),

Summary by clusters:

There are 3 clusters represented in this pham: AU1, AU4, AW,

Info for manual annotations of cluster AW:
•Start number 21 was manually annotated 1 time for cluster AW.
•Start number 23 was manually annotated 17 times for cluster AW.

Gene Information:

Gene: Anandi_73 Start: 46553, Stop: 46873, Start Num: 22
Candidate Starts for Anandi_73:
(14, 46430), (16, 46466), (17, 46493), (22, 46553), (24, 46640), (32, 46799),

Gene: Boog_67 Start: 43689, Stop: 44018, Start Num: 23
Candidate Starts for Boog_67:
(Start: 23 @43689 has 17 MA's), (26, 43833), (28, 43854), (35, 43977),

Gene: BronxBay_68 Start: 43961, Stop: 44290, Start Num: 23
Candidate Starts for BronxBay_68:
(Start: 23 @43961 has 17 MA's), (26, 44105), (28, 44126), (35, 44249),

Gene: Djungelskog_67 Start: 43963, Stop: 44292, Start Num: 23
Candidate Starts for Djungelskog_67:
(Start: 23 @43963 has 17 MA's), (26, 44107), (28, 44128), (35, 44251),

Gene: DoctorPepper_67 Start: 43665, Stop: 43994, Start Num: 23
Candidate Starts for DoctorPepper_67:
(Start: 23 @43665 has 17 MA's), (26, 43809), (28, 43830), (35, 43953),

Gene: Egad_68 Start: 43939, Stop: 44268, Start Num: 23
Candidate Starts for Egad_68:
(Start: 23 @43939 has 17 MA's), (26, 44083), (28, 44104), (35, 44227),

Gene: Hemma_66 Start: 43757, Stop: 44077, Start Num: 22
Candidate Starts for Hemma_66:
(22, 43757), (29, 43934), (30, 43958), (33, 44030),

Gene: HerbBucket_66 Start: 43671, Stop: 44000, Start Num: 23
Candidate Starts for HerbBucket_66:
(Start: 23 @43671 has 17 MA's), (26, 43815), (28, 43836), (35, 43959),

Gene: Jeremy4pt0_65 Start: 43660, Stop: 43989, Start Num: 23
Candidate Starts for Jeremy4pt0_65:
(Start: 23 @43660 has 17 MA's), (26, 43804), (28, 43825), (35, 43948),

Gene: Linda_68 Start: 43958, Stop: 44287, Start Num: 23
Candidate Starts for Linda_68:
(Start: 23 @43958 has 17 MA's), (26, 44102), (28, 44123), (35, 44246),

Gene: Michelle_68 Start: 43960, Stop: 44289, Start Num: 23
Candidate Starts for Michelle_68:
(Start: 23 @43960 has 17 MA's), (26, 44104), (28, 44125), (35, 44248),

Gene: MrAaronian_68 Start: 43960, Stop: 44289, Start Num: 23
Candidate Starts for MrAaronian_68:
(Start: 23 @43960 has 17 MA's), (26, 44104), (28, 44125), (35, 44248),

Gene: Natasha_71 Start: 44273, Stop: 44602, Start Num: 23
Candidate Starts for Natasha_71:
(Start: 23 @44273 has 17 MA's), (26, 44417), (28, 44438), (35, 44561),

Gene: Powelldog_71 Start: 44664, Stop: 44993, Start Num: 21
Candidate Starts for Powelldog_71:
(2, 44370), (3, 44376), (6, 44433), (7, 44439), (9, 44460), (10, 44481), (11, 44505), (13, 44538), (Start: 21 @44664 has 1 MA's), (26, 44808), (27, 44811), (31, 44904),

Gene: ProfFrink_68 Start: 43938, Stop: 44267, Start Num: 23
Candidate Starts for ProfFrink_68:
(Start: 23 @43938 has 17 MA's), (26, 44082), (28, 44103), (35, 44226),

Gene: Raunak_69 Start: 43600, Stop: 43929, Start Num: 23
Candidate Starts for Raunak_69:
(Start: 23 @43600 has 17 MA's), (26, 43744), (28, 43765), (35, 43888),

Gene: RustyBoy_72 Start: 44472, Stop: 44801, Start Num: 23
Candidate Starts for RustyBoy_72:
(Start: 23 @44472 has 17 MA's), (26, 44616), (28, 44637), (35, 44760),

Gene: Salk_68 Start: 43958, Stop: 44287, Start Num: 23
Candidate Starts for Salk_68:
(Start: 23 @43958 has 17 MA's), (26, 44102), (28, 44123), (35, 44246),

Gene: Shiba_67 Start: 43616, Stop: 43945, Start Num: 23
Candidate Starts for Shiba_67:
(Start: 23 @43616 has 17 MA's), (26, 43760), (28, 43781), (35, 43904),

Gene: Sloopyjoe_68 Start: 43962, Stop: 44291, Start Num: 23
Candidate Starts for Sloopyjoe_68:
(Start: 23 @43962 has 17 MA's), (26, 44106), (28, 44127), (35, 44250),

Gene: Spain_68 Start: 43960, Stop: 44289, Start Num: 23
Candidate Starts for Spain_68:
(Start: 23 @43960 has 17 MA's), (26, 44104), (28, 44125), (35, 44248),

Gene: Sporto_67 Start: 45047, Stop: 45376, Start Num: 23
Candidate Starts for Sporto_67:
(15, 44933), (Start: 23 @45047 has 17 MA's), (26, 45191),

Gene: Sprinkle_68 Start: 44401, Stop: 44730, Start Num: 21
Candidate Starts for Sprinkle_68:
(1, 44101), (4, 44128), (5, 44149), (8, 44194), (11, 44242), (12, 44248), (13, 44275), (18, 44356), (19, 44362), (20, 44383), (Start: 21 @44401 has 1 MA's), (25, 44527), (34, 44686),

Gene: StarLord_68 Start: 43955, Stop: 44284, Start Num: 23
Candidate Starts for StarLord_68:
(Start: 23 @43955 has 17 MA's), (26, 44099), (28, 44120), (35, 44243),

Gene: Stayer_68 Start: 43958, Stop: 44287, Start Num: 23
Candidate Starts for Stayer_68:
(Start: 23 @43958 has 17 MA's), (26, 44102), (28, 44123), (35, 44246),