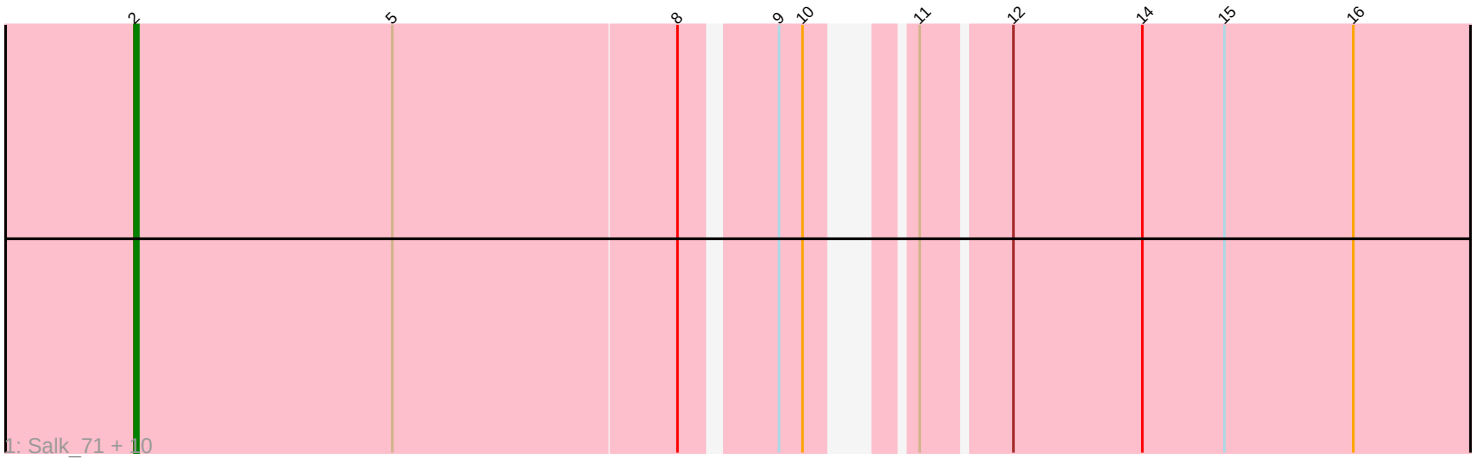
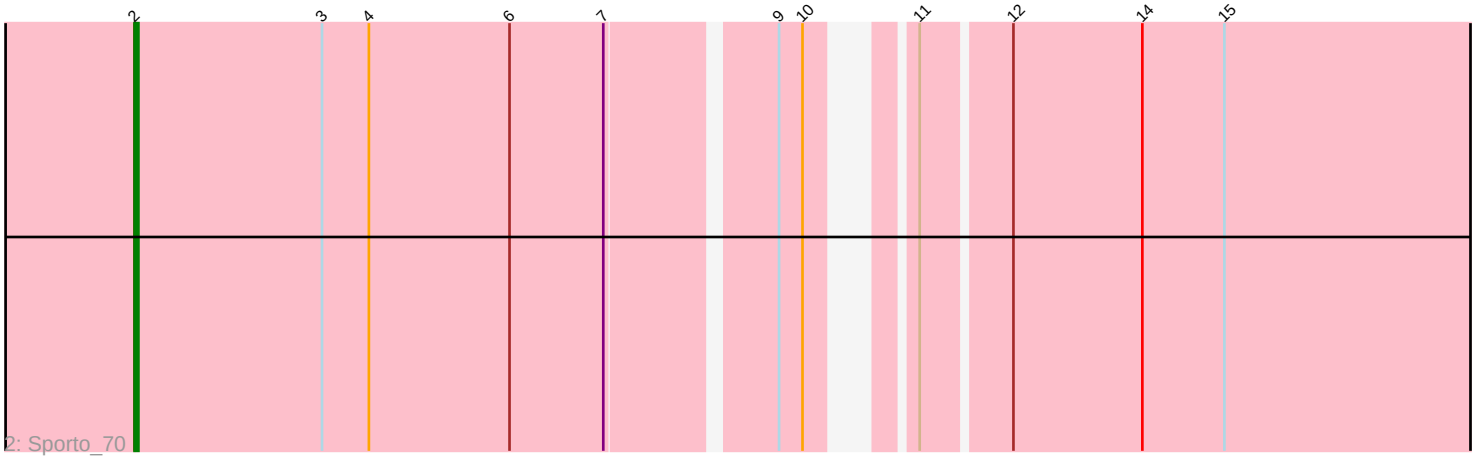
Pham 87228


2
5
8
9
10
11
12
14
15
16
1: Salk_71 + 10


2
3
4
6
7
9
10
11
12
14
15
2: Sporto_70


1
13
14
3: Elver_129 + 2

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 87228 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87228 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Salk_71, Djungelskog_70, StarLord_71, Egad_71, Michelle_71, Stayer_71, BronxBay_71, Shiba_70, Sloopyjoe_71, Linda_71, MrAaronian_71
• Track 2 : Sporto_70
• Track 3 : Elver_129, Qui_130, Paella_130

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

The start number called the most often in the published annotations is 2, it was called in 12 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BronxBay_71, Djungelskog_70, Egad_71, Linda_71, Michelle_71, MrAaronian_71, Salk_71, Shiba_70, Sloopyjoe_71, Sporto_70, StarLord_71, Stayer_71,

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

Genes that do not have the "Most Annotated" start:
• Elver_129, Paella_130, Qui_130,

Summary by start number:

Start 1:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elver_129 (FK), Paella_130 (FK), Qui_130 (FK),

Start 2:
• Found in 12 of 15 (80.0%) of genes in pham
• Manual Annotations of this start: 12 of 14
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BronxBay_71 (AW), Djungelskog_70 (AW), Egad_71 (AW), Linda_71 (AW), Michelle_71 (AW), MrAaronian_71 (AW), Salk_71 (AW), Shiba_70 (AW), Sloopyjoe_71 (AW), Sporto_70 (AW), StarLord_71 (AW), Stayer_71 (AW),

Summary by clusters:

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

Info for manual annotations of cluster AW:
•Start number 2 was manually annotated 12 times for cluster AW.

Info for manual annotations of cluster FK:
•Start number 1 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: BronxBay_71 Start: 44793, Stop: 45119, Start Num: 2
Candidate Starts for BronxBay_71:
(Start: 2 @44793 has 12 MA's), (5, 44859), (8, 44931), (9, 44952), (10, 44958), (11, 44973), (12, 44994), (14, 45027), (15, 45048), (16, 45081),

Gene: Djungelskog_70 Start: 44795, Stop: 45121, Start Num: 2
Candidate Starts for Djungelskog_70:
(Start: 2 @44795 has 12 MA's), (5, 44861), (8, 44933), (9, 44954), (10, 44960), (11, 44975), (12, 44996), (14, 45029), (15, 45050), (16, 45083),

Gene: Egad_71 Start: 44771, Stop: 45097, Start Num: 2
Candidate Starts for Egad_71:
(Start: 2 @44771 has 12 MA's), (5, 44837), (8, 44909), (9, 44930), (10, 44936), (11, 44951), (12, 44972), (14, 45005), (15, 45026), (16, 45059),

Gene: Elver_129 Start: 70114, Stop: 70461, Start Num: 1
Candidate Starts for Elver_129:
(Start: 1 @70114 has 2 MA's), (13, 70372), (14, 70375),

Gene: Linda_71 Start: 44790, Stop: 45116, Start Num: 2
Candidate Starts for Linda_71:
(Start: 2 @44790 has 12 MA's), (5, 44856), (8, 44928), (9, 44949), (10, 44955), (11, 44970), (12, 44991), (14, 45024), (15, 45045), (16, 45078),

Gene: Michelle_71 Start: 44792, Stop: 45118, Start Num: 2
Candidate Starts for Michelle_71:
(Start: 2 @44792 has 12 MA's), (5, 44858), (8, 44930), (9, 44951), (10, 44957), (11, 44972), (12, 44993), (14, 45026), (15, 45047), (16, 45080),

Gene: MrAaronian_71 Start: 44792, Stop: 45118, Start Num: 2
Candidate Starts for MrAaronian_71:
(Start: 2 @44792 has 12 MA's), (5, 44858), (8, 44930), (9, 44951), (10, 44957), (11, 44972), (12, 44993), (14, 45026), (15, 45047), (16, 45080),

Gene: Paella_130 Start: 70677, Stop: 71024, Start Num: 1
Candidate Starts for Paella_130:
(Start: 1 @70677 has 2 MA's), (13, 70935), (14, 70938),

Gene: Qui_130 Start: 70677, Stop: 71024, Start Num: 1
Candidate Starts for Qui_130:
(Start: 1 @70677 has 2 MA's), (13, 70935), (14, 70938),

Gene: Salk_71 Start: 44790, Stop: 45116, Start Num: 2
Candidate Starts for Salk_71:
(Start: 2 @44790 has 12 MA's), (5, 44856), (8, 44928), (9, 44949), (10, 44955), (11, 44970), (12, 44991), (14, 45024), (15, 45045), (16, 45078),

Gene: Shiba_70 Start: 44448, Stop: 44774, Start Num: 2
Candidate Starts for Shiba_70:
(Start: 2 @44448 has 12 MA's), (5, 44514), (8, 44586), (9, 44607), (10, 44613), (11, 44628), (12, 44649), (14, 44682), (15, 44703), (16, 44736),

Gene: Sloopyjoe_71 Start: 44794, Stop: 45120, Start Num: 2
Candidate Starts for Sloopyjoe_71:
(Start: 2 @44794 has 12 MA's), (5, 44860), (8, 44932), (9, 44953), (10, 44959), (11, 44974), (12, 44995), (14, 45028), (15, 45049), (16, 45082),

Gene: Sporto_70 Start: 45873, Stop: 46199, Start Num: 2
Candidate Starts for Sporto_70:
(Start: 2 @45873 has 12 MA's), (3, 45921), (4, 45933), (6, 45969), (7, 45993), (9, 46032), (10, 46038), (11, 46053), (12, 46074), (14, 46107), (15, 46128),

Gene: StarLord_71 Start: 44787, Stop: 45113, Start Num: 2
Candidate Starts for StarLord_71:
(Start: 2 @44787 has 12 MA's), (5, 44853), (8, 44925), (9, 44946), (10, 44952), (11, 44967), (12, 44988), (14, 45021), (15, 45042), (16, 45075),

Gene: Stayer_71 Start: 44790, Stop: 45116, Start Num: 2
Candidate Starts for Stayer_71:
(Start: 2 @44790 has 12 MA's), (5, 44856), (8, 44928), (9, 44949), (10, 44955), (11, 44970), (12, 44991), (14, 45024), (15, 45045), (16, 45078),