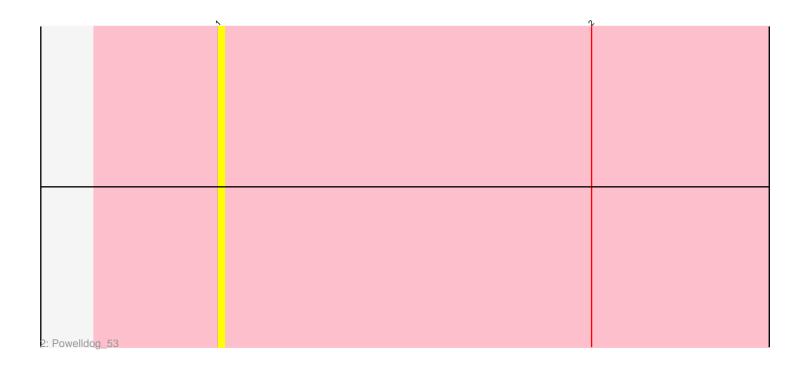# Pham 224956

1: BronxBay_47 + 15

2: Powelldog_53

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 224956 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224956 has 17 members, 4 are drafts.

Phages represented in each track:
• Track 1 : BronxBay_47, ProfFrink_47, Linda_47, Stayer_47, Egad_47, MrAaronian_47, StarLord_47, Boog_48, DoctorPepper_46, Djungelskog_47, HerbBucket_47, Raunak_50, Sloopyjoe_47, Salk_47, Michelle_47, Shiba_46
• Track 2 : Powelldog_53

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

The start number called the most often in the published annotations is 1, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Boog_48, BronxBay_47, Djungelskog_47, DoctorPepper_46, Egad_47, HerbBucket_47, Linda_47, Michelle_47, MrAaronian_47, Powelldog_53, ProfFrink_47, Raunak_50, Salk_47, Shiba_46, Sloopyjoe_47, StarLord_47, Stayer_47,

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 1:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Boog_48 (AW), BronxBay_47 (AW), Djungelskog_47 (AW), DoctorPepper_46 (AW), Egad_47 (AW), HerbBucket_47 (AW), Linda_47 (AW), Michelle_47 (AW), MrAaronian_47 (AW), Powelldog_53 (AW), ProfFrink_47 (AW), Raunak_50 (AW), Salk_47 (AW), Shiba_46 (AW), Sloopyjoe_47 (AW), StarLord_47 (AW), Stayer_47 (AW),

Summary by clusters:

There is one cluster represented in this pham: AW

Info for manual annotations of cluster AW:
•Start number 1 was manually annotated 13 times for cluster AW.

Gene Information:
Gene: Boog_48 Start: 32111, Stop: 32281, Start Num: 1
Candidate Starts for Boog_48:
(Start: 1 @32111 has 13 MA's),

Gene: BronxBay_47 Start: 32409, Stop: 32579, Start Num: 1
Candidate Starts for BronxBay_47:
(Start: 1 @32409 has 13 MA's),

Gene: Djungelskog_47 Start: 32408, Stop: 32578, Start Num: 1
Candidate Starts for Djungelskog_47:
(Start: 1 @32408 has 13 MA's),

Gene: DoctorPepper_46 Start: 32113, Stop: 32283, Start Num: 1
Candidate Starts for DoctorPepper_46:
(Start: 1 @32113 has 13 MA's),

Gene: Egad_47 Start: 32410, Stop: 32580, Start Num: 1
Candidate Starts for Egad_47:
(Start: 1 @32410 has 13 MA's),

Gene: HerbBucket_47 Start: 32108, Stop: 32278, Start Num: 1
Candidate Starts for HerbBucket_47:
(Start: 1 @32108 has 13 MA's),

Gene: Linda_47 Start: 32406, Stop: 32576, Start Num: 1
Candidate Starts for Linda_47:
(Start: 1 @32406 has 13 MA's),

Gene: Michelle_47 Start: 32408, Stop: 32578, Start Num: 1
Candidate Starts for Michelle_47:
(Start: 1 @32408 has 13 MA's),

Gene: MrAaronian_47 Start: 32408, Stop: 32578, Start Num: 1
Candidate Starts for MrAaronian_47:
(Start: 1 @32408 has 13 MA's),

Gene: Powelldog_53 Start: 33364, Stop: 33534, Start Num: 1
Candidate Starts for Powelldog_53:
(Start: 1 @33364 has 13 MA's), (2, 33427),

Gene: ProfFrink_47 Start: 32409, Stop: 32579, Start Num: 1
Candidate Starts for ProfFrink_47:

(Start: 1 @32409 has 13 MA's),

Gene: Raunak_50 Start: 32106, Stop: 32276, Start Num: 1
Candidate Starts for Raunak_50:
(Start: 1 @32106 has 13 MA's),

Gene: Salk_47 Start: 32406, Stop: 32576, Start Num: 1
Candidate Starts for Salk_47:
(Start: 1 @32406 has 13 MA's),

Gene: Shiba_46 Start: 32106, Stop: 32276, Start Num: 1
Candidate Starts for Shiba_46:
(Start: 1 @32106 has 13 MA's),

Gene: Sloopyjoe_47 Start: 32410, Stop: 32580, Start Num: 1
Candidate Starts for Sloopyjoe_47:
(Start: 1 @32410 has 13 MA's),

Gene: StarLord_47 Start: 32409, Stop: 32579, Start Num: 1
Candidate Starts for StarLord_47:
(Start: 1 @32409 has 13 MA's),

Gene: Stayer_47 Start: 32406, Stop: 32576, Start Num: 1
Candidate Starts for Stayer_47:
(Start: 1 @32406 has 13 MA's),