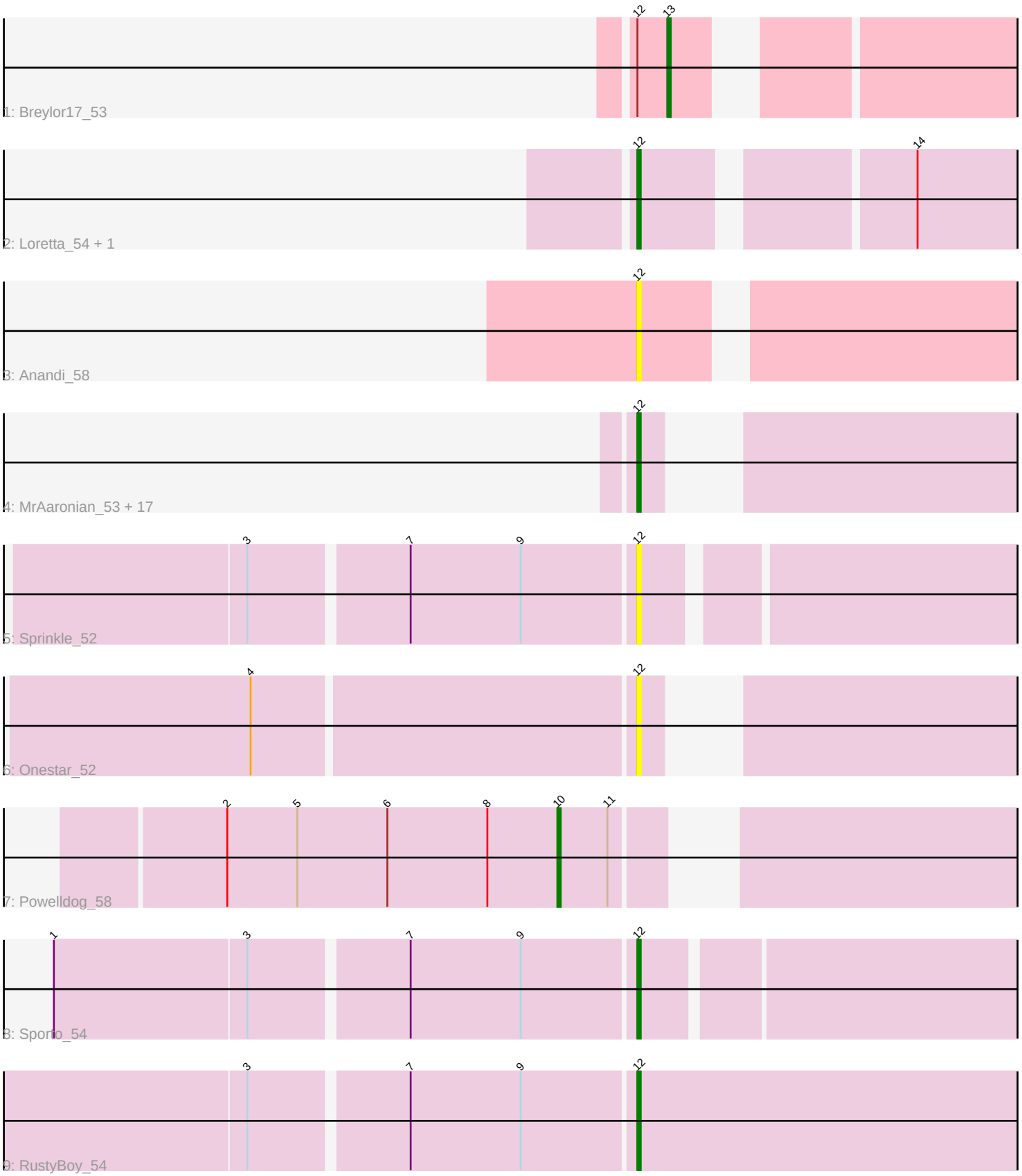
Pham 280776


12
13
1: Breylor17_53
12
14
2: Loretta_54 + 1
12
3: Anandi_58
12
4: MrAaronian_53 + 17
3
7
9
12
5: Sprinkle_52
4
12
6: Onestar_52
2
5
6
8
10
11
7: Powelldog_58
1
3
7
9
12
8: Sportio_54
3
7
9
12
9: RustyBoy_54

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 280776 Report

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

Pham number 280776 has 27 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Breylor17_53
• Track 2 : Loretta_54, Ingrid_57
• Track 3 : Anandi_58
• Track 4 : MrAaronian_53, DoctorPepper_52, HerbBucket_53, Djungelskog_52, Salk_53, Jeremy4pt0_52, Stayer_53, Spain_55, Sloopyjoe_53, Raunak_56, Linda_53, Boog_52, BronxBay_53, StarLord_53, Egad_53, Shiba_52, Michelle_53, ProfFrink_53
• Track 5 : Sprinkle_52
• Track 6 : Onestar_52
• Track 7 : Powelldog_58
• Track 8 : Sporto_54
• Track 9 : RustyBoy_54

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

The start number called the most often in the published annotations is 12, it was called in 18 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anandi_58, Boog_52, BronxBay_53, Djungelskog_52, DoctorPepper_52, Egad_53, HerbBucket_53, Ingrid_57, Jeremy4pt0_52, Linda_53, Loretta_54, Michelle_53, MrAaronian_53, Onestar_52, ProfFrink_53, Raunak_56, RustyBoy_54, Salk_53, Shiba_52, Sloopyjoe_53, Spain_55, Sporto_54, Sprinkle_52, StarLord_53, Stayer_53,

Genes that have the "Most Annotated" start but do not call it:
• Breylor17_53,

Genes that do not have the "Most Annotated" start:
• Powelldog_58,

Summary by start number:

Start 10:

• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Powelldog_58 (AW),

Start 12:
• Found in 26 of 27 (96.3%) of genes in pham
• Manual Annotations of this start: 18 of 20
• Called 96.2% of time when present
• Phage (with cluster) where this start called: Anandi_58 (AU4), Boog_52 (AW), BronxBay_53 (AW), Djungelskog_52 (AW), DoctorPepper_52 (AW), Egad_53 (AW), HerbBucket_53 (AW), Ingrid_57 (AU3), Jeremy4pt0_52 (AW), Linda_53 (AW), Loretta_54 (AU3), Michelle_53 (AW), MrAaronian_53 (AW), Onestar_52 (AW), ProfFrink_53 (AW), Raunak_56 (AW), RustyBoy_54 (AW), Salk_53 (AW), Shiba_52 (AW), Sloopyjoe_53 (AW), Spain_55 (AW), Sporto_54 (AW), Sprinkle_52 (AW), StarLord_53 (AW), Stayer_53 (AW),

Start 13:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Breylor17_53 (AU1),

Summary by clusters:

There are 4 clusters represented in this pham: AU1, AU3, AU4, AW,

Info for manual annotations of cluster AU1:
•Start number 13 was manually annotated 1 time for cluster AU1.

Info for manual annotations of cluster AU3:
•Start number 12 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AW:
•Start number 10 was manually annotated 1 time for cluster AW.
•Start number 12 was manually annotated 16 times for cluster AW.

Gene Information:

Gene: Anandi_58 Start: 37497, Stop: 37646, Start Num: 12
Candidate Starts for Anandi_58:
(Start: 12 @37497 has 18 MA's),

Gene: Boog_52 Start: 34544, Stop: 34687, Start Num: 12
Candidate Starts for Boog_52:
(Start: 12 @34544 has 18 MA's),

Gene: Breylor17_53 Start: 37706, Stop: 37849, Start Num: 13
Candidate Starts for Breylor17_53:
(Start: 12 @37697 has 18 MA's), (Start: 13 @37706 has 1 MA's),

Gene: BronxBay_53 Start: 34842, Stop: 34985, Start Num: 12
Candidate Starts for BronxBay_53:
(Start: 12 @34842 has 18 MA's),

Gene: Djungelskog_52 Start: 34841, Stop: 34984, Start Num: 12
Candidate Starts for Djungelskog_52:
(Start: 12 @34841 has 18 MA's),

Gene: DoctorPepper_52 Start: 34546, Stop: 34689, Start Num: 12
Candidate Starts for DoctorPepper_52:
(Start: 12 @34546 has 18 MA's),

Gene: Egad_53 Start: 34843, Stop: 34986, Start Num: 12
Candidate Starts for Egad_53:
(Start: 12 @34843 has 18 MA's),

Gene: HerbBucket_53 Start: 34541, Stop: 34684, Start Num: 12
Candidate Starts for HerbBucket_53:
(Start: 12 @34541 has 18 MA's),

Gene: Ingrid_57 Start: 37031, Stop: 37186, Start Num: 12
Candidate Starts for Ingrid_57:
(Start: 12 @37031 has 18 MA's), (14, 37103),

Gene: Jeremy4pt0_52 Start: 34541, Stop: 34684, Start Num: 12
Candidate Starts for Jeremy4pt0_52:
(Start: 12 @34541 has 18 MA's),

Gene: Linda_53 Start: 34839, Stop: 34982, Start Num: 12
Candidate Starts for Linda_53:
(Start: 12 @34839 has 18 MA's),

Gene: Loretta_54 Start: 37031, Stop: 37186, Start Num: 12
Candidate Starts for Loretta_54:
(Start: 12 @37031 has 18 MA's), (14, 37103),

Gene: Michelle_53 Start: 34841, Stop: 34984, Start Num: 12
Candidate Starts for Michelle_53:
(Start: 12 @34841 has 18 MA's),

Gene: MrAaronian_53 Start: 34841, Stop: 34984, Start Num: 12
Candidate Starts for MrAaronian_53:
(Start: 12 @34841 has 18 MA's),

Gene: Onestar_52 Start: 34607, Stop: 34750, Start Num: 12
Candidate Starts for Onestar_52:
(4, 34496), (Start: 12 @34607 has 18 MA's),

Gene: Powelldog_58 Start: 36041, Stop: 36205, Start Num: 10
Candidate Starts for Powelldog_58:
(2, 35942), (5, 35963), (6, 35990), (8, 36020), (Start: 10 @36041 has 1 MA's), (11, 36056),

Gene: ProfFrink_53 Start: 34842, Stop: 34985, Start Num: 12
Candidate Starts for ProfFrink_53:
(Start: 12 @34842 has 18 MA's),

Gene: Raunak_56 Start: 34539, Stop: 34682, Start Num: 12
Candidate Starts for Raunak_56:
(Start: 12 @34539 has 18 MA's),

Gene: RustyBoy_54 Start: 34630, Stop: 34794, Start Num: 12
Candidate Starts for RustyBoy_54:
(3, 34519), (7, 34564), (9, 34597), (Start: 12 @34630 has 18 MA's),

Gene: Salk_53 Start: 34839, Stop: 34982, Start Num: 12
Candidate Starts for Salk_53:
(Start: 12 @34839 has 18 MA's),

Gene: Shiba_52 Start: 34539, Stop: 34682, Start Num: 12
Candidate Starts for Shiba_52:
(Start: 12 @34539 has 18 MA's),

Gene: Sloopyjoe_53 Start: 34843, Stop: 34986, Start Num: 12
Candidate Starts for Sloopyjoe_53:
(Start: 12 @34843 has 18 MA's),

Gene: Spain_55 Start: 34841, Stop: 34984, Start Num: 12
Candidate Starts for Spain_55:
(Start: 12 @34841 has 18 MA's),

Gene: Sporto_54 Start: 36328, Stop: 36486, Start Num: 12
Candidate Starts for Sporto_54:
(1, 36160), (3, 36217), (7, 36262), (9, 36295), (Start: 12 @36328 has 18 MA's),

Gene: Sprinkle_52 Start: 35366, Stop: 35515, Start Num: 12
Candidate Starts for Sprinkle_52:
(3, 35255), (7, 35300), (9, 35333), (Start: 12 @35366 has 18 MA's),

Gene: StarLord_53 Start: 34842, Stop: 34985, Start Num: 12
Candidate Starts for StarLord_53:
(Start: 12 @34842 has 18 MA's),

Gene: Stayer_53 Start: 34839, Stop: 34982, Start Num: 12
Candidate Starts for Stayer_53:
(Start: 12 @34839 has 18 MA's),