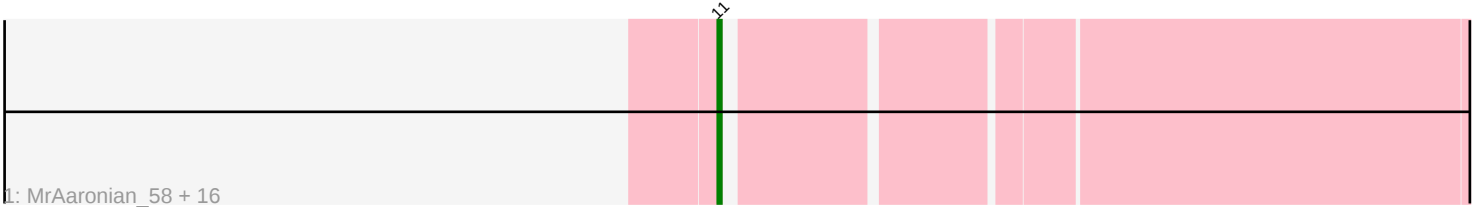
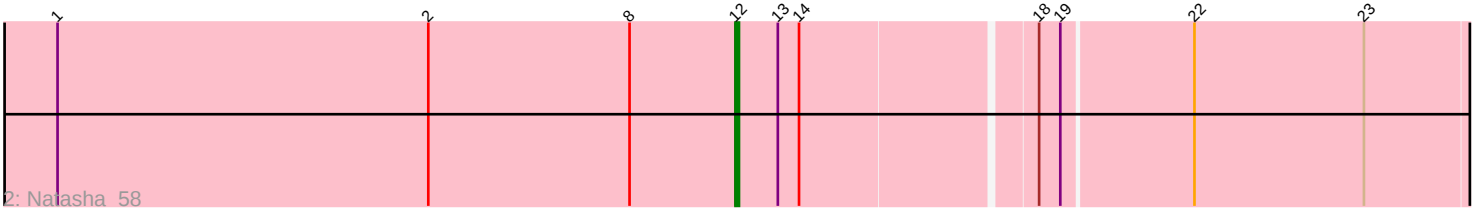


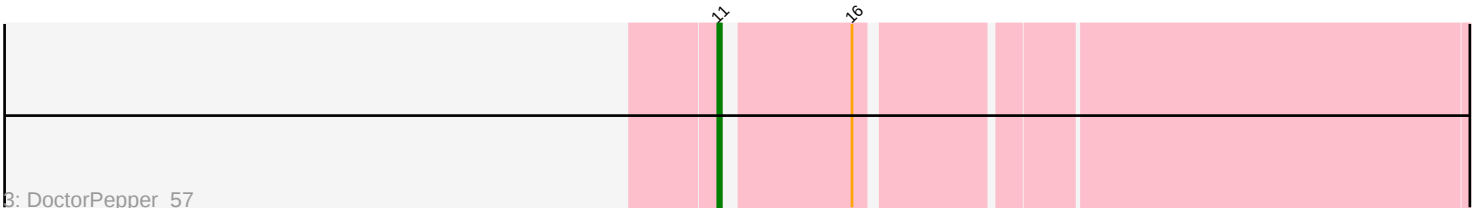
Pham 250920



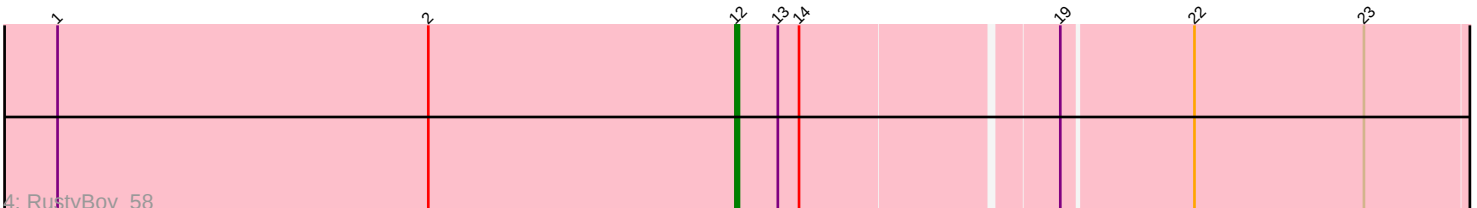
1: MrAaronian_58 + 16



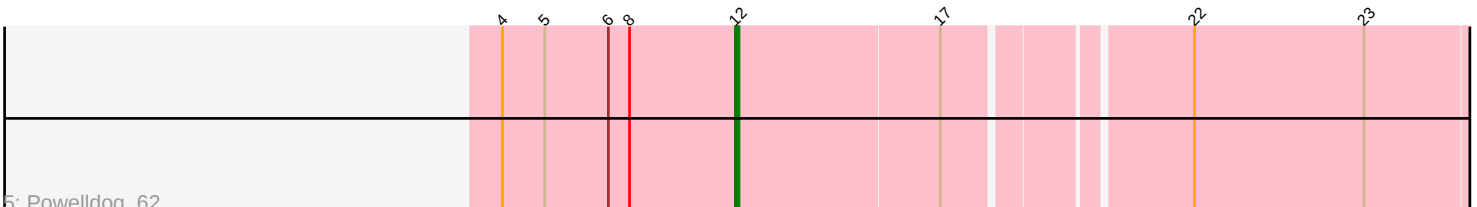
2: Narasha_58



3: DoctorPepper_57



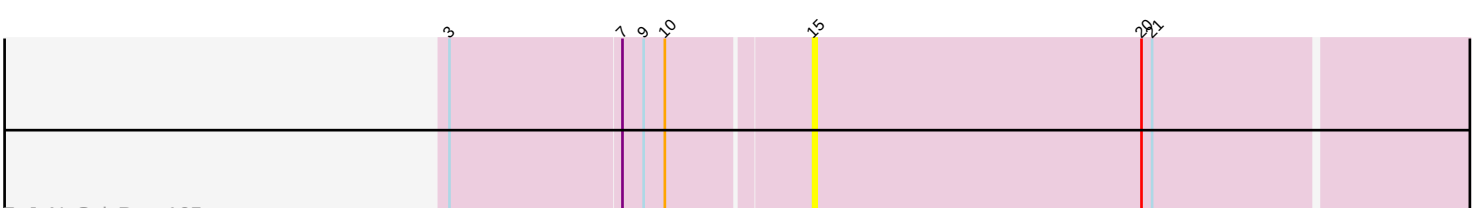
4: RustyBoy_58



5: Powelldog_62



6: Marianna39_168 + 1



7: JeNeSaisPas_165

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 250920 Report

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

Pham number 250920 has 24 members, 7 are drafts.

Phages represented in each track:

- Track 1 : MrAaronian_58, Raunak_60, Djungelskog_57, Salk_58, HerbBucket_57, Stayer_58, Jeremy4pt0_56, Egad_58, Spain_59, Sloopyjoe_58, BronxBay_58, Boog_57, Linda_58, ProfFrink_58, Michelle_58, StarLord_58, Shiba_57
- Track 2 : Natasha_58
- Track 3 : DoctorPepper_57
- Track 4 : RustyBoy_58
- Track 5 : Powellldog_62
- Track 6 : Marianna39_168, Gandionco_168
- Track 7 : JeNeSaisPas_165

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

The start number called the most often in the published annotations is 11, it was called in 14 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boog_57, BronxBay_58, Djungelskog_57, DoctorPepper_57, Egad_58, HerbBucket_57, Jeremy4pt0_56, Linda_58, Michelle_58, MrAaronian_58, ProfFrink_58, Raunak_60, Salk_58, Shiba_57, Sloopyjoe_58, Spain_59, StarLord_58, Stayer_58,

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

-

Genes that do not have the "Most Annotated" start:

- Gandionco_168, JeNeSaisPas_165, Marianna39_168, Natasha_58, Powellldog_62, RustyBoy_58,

Summary by start number:

Start 11:

- Found in 18 of 24 (75.0%) of genes in pham
- Manual Annotations of this start: 14 of 17
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Boog_57 (AW), BronxBay_58 (AW), Djungelskog_57 (AW), DoctorPepper_57 (AW), Egad_58 (AW), HerbBucket_57 (AW), Jeremy4pt0_56 (AW), Linda_58 (AW), Michelle_58 (AW), MrAaronian_58 (AW), ProfFrink_58 (AW), Raunak_60 (AW), Salk_58 (AW), Shiba_57 (AW), Sloopyjoe_58 (AW), Spain_59 (AW), StarLord_58 (AW), Stayer_58 (AW),

Start 12:

- Found in 3 of 24 (12.5%) of genes in pham
- Manual Annotations of this start: 3 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Natasha_58 (AW), Powelldog_62 (AW), RustyBoy_58 (AW),

Start 15:

- Found in 3 of 24 (12.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gandionco_168 (FK), JeNeSaisPas_165 (FK), Marianna39_168 (FK),

Summary by clusters:

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

Info for manual annotations of cluster AW:

- Start number 11 was manually annotated 14 times for cluster AW.
- Start number 12 was manually annotated 3 times for cluster AW.

Gene Information:

Gene: Boog_57 Start: 40321, Stop: 40521, Start Num: 11

Candidate Starts for Boog_57:

(Start: 11 @40321 has 14 MA's),

Gene: BronxBay_58 Start: 40577, Stop: 40777, Start Num: 11

Candidate Starts for BronxBay_58:

(Start: 11 @40577 has 14 MA's),

Gene: Djungelskog_57 Start: 40576, Stop: 40776, Start Num: 11

Candidate Starts for Djungelskog_57:

(Start: 11 @40576 has 14 MA's),

Gene: DoctorPepper_57 Start: 40281, Stop: 40481, Start Num: 11

Candidate Starts for DoctorPepper_57:

(Start: 11 @40281 has 14 MA's), (16, 40314),

Gene: Egad_58 Start: 40578, Stop: 40778, Start Num: 11

Candidate Starts for Egad_58:

(Start: 11 @40578 has 14 MA's),

Gene: Gandionco_168 Start: 83452, Stop: 83661, Start Num: 15
Candidate Starts for Gandionco_168:
(3, 83353), (9, 83407), (10, 83413), (15, 83452), (20, 83545), (21, 83548),

Gene: HerbBucket_57 Start: 40318, Stop: 40518, Start Num: 11
Candidate Starts for HerbBucket_57:
(Start: 11 @40318 has 14 MA's),

Gene: JeNeSaisPas_165 Start: 84048, Stop: 84257, Start Num: 15
Candidate Starts for JeNeSaisPas_165:
(3, 83949), (7, 83997), (9, 84003), (10, 84009), (15, 84048), (20, 84141), (21, 84144),

Gene: Jeremy4pt0_56 Start: 40276, Stop: 40476, Start Num: 11
Candidate Starts for Jeremy4pt0_56:
(Start: 11 @40276 has 14 MA's),

Gene: Linda_58 Start: 40574, Stop: 40774, Start Num: 11
Candidate Starts for Linda_58:
(Start: 11 @40574 has 14 MA's),

Gene: Marianna39_168 Start: 84057, Stop: 84266, Start Num: 15
Candidate Starts for Marianna39_168:
(3, 83958), (9, 84012), (10, 84018), (15, 84057), (20, 84150), (21, 84153),

Gene: Michelle_58 Start: 40576, Stop: 40776, Start Num: 11
Candidate Starts for Michelle_58:
(Start: 11 @40576 has 14 MA's),

Gene: MrAaronian_58 Start: 40576, Stop: 40776, Start Num: 11
Candidate Starts for MrAaronian_58:
(Start: 11 @40576 has 14 MA's),

Gene: Natasha_58 Start: 40077, Stop: 40280, Start Num: 12
Candidate Starts for Natasha_58:
(1, 39885), (2, 39990), (8, 40047), (Start: 12 @40077 has 3 MA's), (13, 40089), (14, 40095), (18, 40158), (19, 40164), (22, 40200), (23, 40248),

Gene: Powelldog_62 Start: 41464, Stop: 41664, Start Num: 12
Candidate Starts for Powelldog_62:
(4, 41398), (5, 41410), (6, 41428), (8, 41434), (Start: 12 @41464 has 3 MA's), (17, 41521), (22, 41584), (23, 41632),

Gene: ProfFrink_58 Start: 40577, Stop: 40777, Start Num: 11
Candidate Starts for ProfFrink_58:
(Start: 11 @40577 has 14 MA's),

Gene: Raunak_60 Start: 40274, Stop: 40474, Start Num: 11
Candidate Starts for Raunak_60:
(Start: 11 @40274 has 14 MA's),

Gene: RustyBoy_58 Start: 40058, Stop: 40261, Start Num: 12
Candidate Starts for RustyBoy_58:

(1, 39866), (2, 39971), (Start: 12 @40058 has 3 MA's), (13, 40070), (14, 40076), (19, 40145), (22, 40181), (23, 40229),

Gene: Salk_58 Start: 40574, Stop: 40774, Start Num: 11
Candidate Starts for Salk_58:
(Start: 11 @40574 has 14 MA's),

Gene: Shiba_57 Start: 40274, Stop: 40474, Start Num: 11
Candidate Starts for Shiba_57:
(Start: 11 @40274 has 14 MA's),

Gene: Sloopyjoe_58 Start: 40578, Stop: 40778, Start Num: 11
Candidate Starts for Sloopyjoe_58:
(Start: 11 @40578 has 14 MA's),

Gene: Spain_59 Start: 40576, Stop: 40776, Start Num: 11
Candidate Starts for Spain_59:
(Start: 11 @40576 has 14 MA's),

Gene: StarLord_58 Start: 40577, Stop: 40777, Start Num: 11
Candidate Starts for StarLord_58:
(Start: 11 @40577 has 14 MA's),

Gene: Stayer_58 Start: 40574, Stop: 40774, Start Num: 11
Candidate Starts for Stayer_58:
(Start: 11 @40574 has 14 MA's),