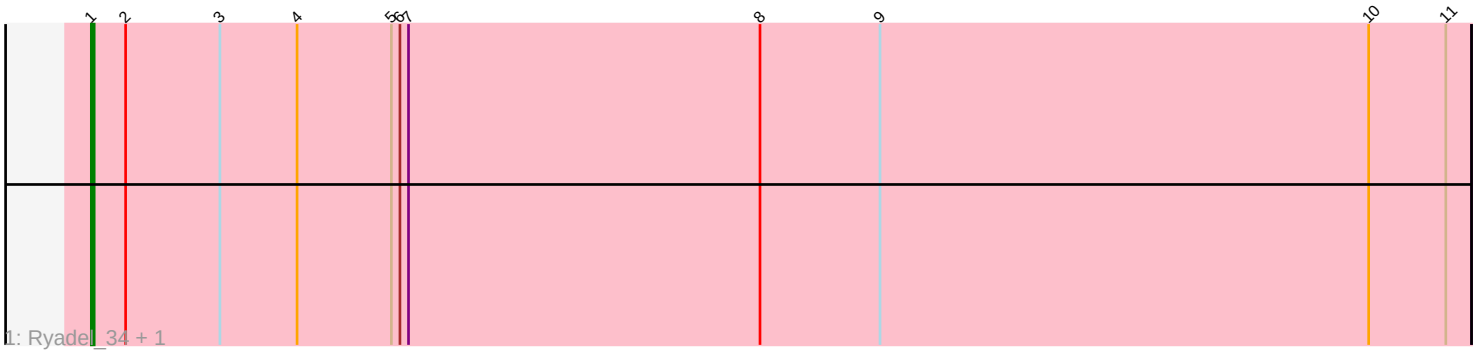
Pham 158373


1
2
3
4
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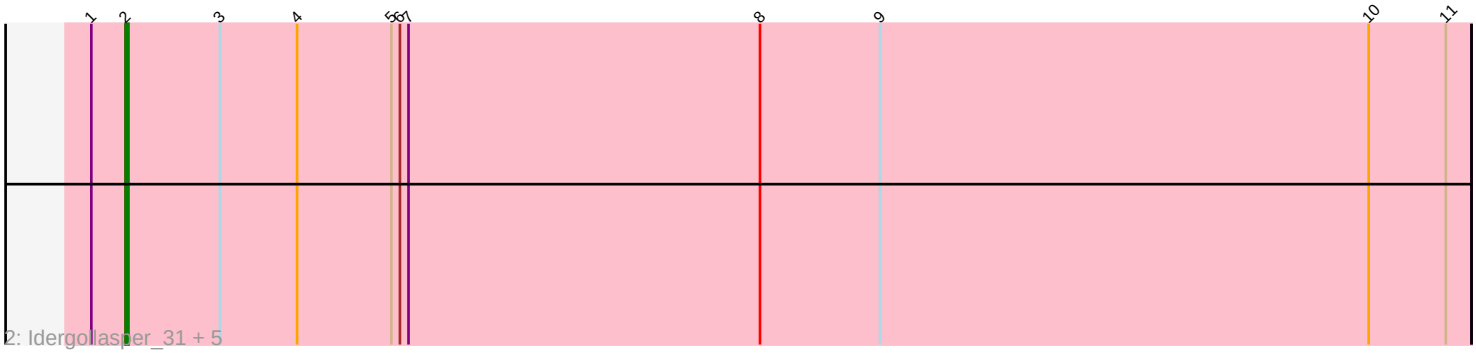
8
9
10
11
1: Ryadel_34 + 1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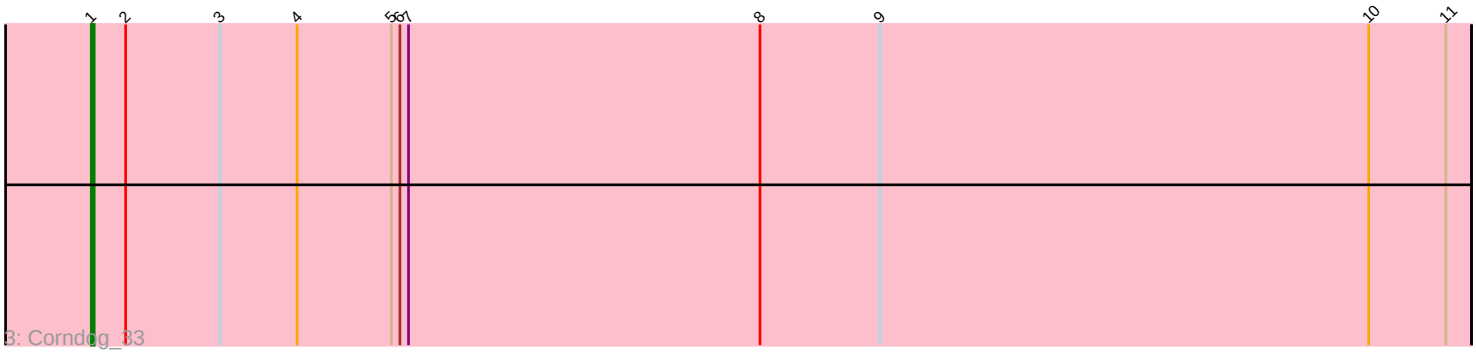
11
2: Idergollasper_31 + 5


1
2
3
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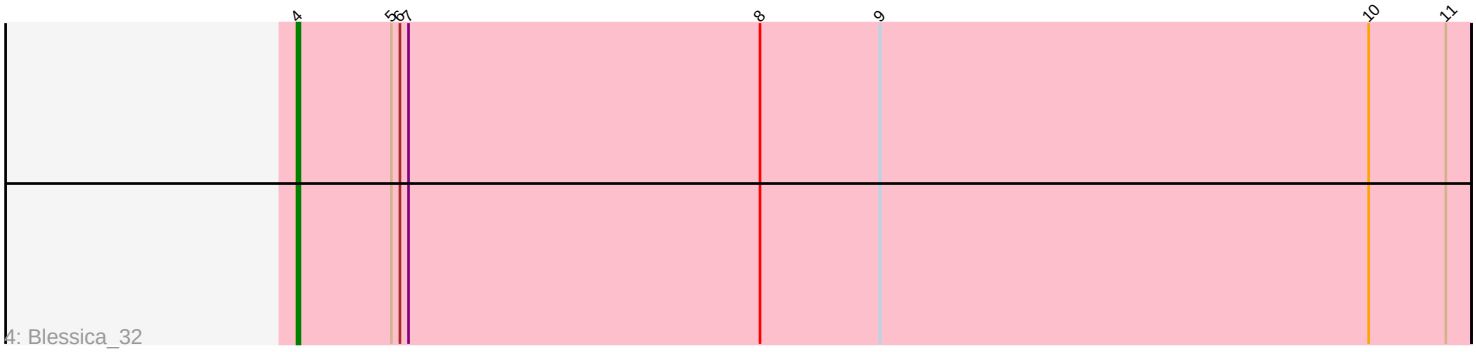
11
3: Corndog_33


4
5
6
7
8
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10
11
4: Blessica_32

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 158373 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158373 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Ryadel_34, Winget_32
• Track 2 : Idergollasper_31, SchoolBus_31, JangDynasty_31, Familton_32, YungJamal_34, Catdawg_31
• Track 3 : Corndog_33
• Track 4 : Blessica_32

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 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Catdawg_31, Familton_32, Idergollasper_31, JangDynasty_31, SchoolBus_31, YungJamal_34,

Genes that have the "Most Annotated" start but do not call it:
• Corndog_33, Ryadel_34, Winget_32,

Genes that do not have the "Most Annotated" start:
• Blessica_32,

Summary by start number:

Start 1:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Corndog_33 (O), Ryadel_34 (O), Winget_32 (O),

Start 2:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 6 of 10
• Called 66.7% of time when present

• Phage (with cluster) where this start called: Catdawg_31 (O), Familton_32 (O), Idergollasper_31 (O), JangDynasty_31 (O), SchoolBus_31 (O), YungJamal_34 (O),

Start 4:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Blessica_32 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:
•Start number 1 was manually annotated 3 times for cluster O.
•Start number 2 was manually annotated 6 times for cluster O.
•Start number 4 was manually annotated 1 time for cluster O.

Gene Information:

Gene: Blessica_32 Start: 14991, Stop: 15401, Start Num: 4
Candidate Starts for Blessica_32:
(Start: 4 @14991 has 1 MA's), (5, 15024), (6, 15027), (7, 15030), (8, 15153), (9, 15195), (10, 15366), (11, 15393),

Gene: Catdawg_31 Start: 14620, Stop: 15090, Start Num: 2
Candidate Starts for Catdawg_31:
(Start: 1 @14608 has 3 MA's), (Start: 2 @14620 has 6 MA's), (3, 14653), (Start: 4 @14680 has 1 MA's), (5, 14713), (6, 14716), (7, 14719), (8, 14842), (9, 14884), (10, 15055), (11, 15082),

Gene: Corndog_33 Start: 15066, Stop: 15548, Start Num: 1
Candidate Starts for Corndog_33:
(Start: 1 @15066 has 3 MA's), (Start: 2 @15078 has 6 MA's), (3, 15111), (Start: 4 @15138 has 1 MA's), (5, 15171), (6, 15174), (7, 15177), (8, 15300), (9, 15342), (10, 15513), (11, 15540),

Gene: Familton_32 Start: 14624, Stop: 15094, Start Num: 2
Candidate Starts for Familton_32:
(Start: 1 @14612 has 3 MA's), (Start: 2 @14624 has 6 MA's), (3, 14657), (Start: 4 @14684 has 1 MA's), (5, 14717), (6, 14720), (7, 14723), (8, 14846), (9, 14888), (10, 15059), (11, 15086),

Gene: Idergollasper_31 Start: 14618, Stop: 15088, Start Num: 2
Candidate Starts for Idergollasper_31:
(Start: 1 @14606 has 3 MA's), (Start: 2 @14618 has 6 MA's), (3, 14651), (Start: 4 @14678 has 1 MA's), (5, 14711), (6, 14714), (7, 14717), (8, 14840), (9, 14882), (10, 15053), (11, 15080),

Gene: JangDynasty_31 Start: 14713, Stop: 15183, Start Num: 2
Candidate Starts for JangDynasty_31:
(Start: 1 @14701 has 3 MA's), (Start: 2 @14713 has 6 MA's), (3, 14746), (Start: 4 @14773 has 1 MA's), (5, 14806), (6, 14809), (7, 14812), (8, 14935), (9, 14977), (10, 15148), (11, 15175),

Gene: Ryadel_34 Start: 15422, Stop: 15904, Start Num: 1

Candidate Starts for Ryadel_34:
(Start: 1 @15422 has 3 MA's), (Start: 2 @15434 has 6 MA's), (3, 15467), (Start: 4 @15494 has 1 MA's), (5, 15527), (6, 15530), (7, 15533), (8, 15656), (9, 15698), (10, 15869), (11, 15896),

Gene: SchoolBus_31 Start: 14621, Stop: 15091, Start Num: 2
Candidate Starts for SchoolBus_31:
(Start: 1 @14609 has 3 MA's), (Start: 2 @14621 has 6 MA's), (3, 14654), (Start: 4 @14681 has 1 MA's), (5, 14714), (6, 14717), (7, 14720), (8, 14843), (9, 14885), (10, 15056), (11, 15083),

Gene: Winget_32 Start: 14875, Stop: 15357, Start Num: 1
Candidate Starts for Winget_32:
(Start: 1 @14875 has 3 MA's), (Start: 2 @14887 has 6 MA's), (3, 14920), (Start: 4 @14947 has 1 MA's), (5, 14980), (6, 14983), (7, 14986), (8, 15109), (9, 15151), (10, 15322), (11, 15349),

Gene: YungJamal_34 Start: 14950, Stop: 15420, Start Num: 2
Candidate Starts for YungJamal_34:
(Start: 1 @14938 has 3 MA's), (Start: 2 @14950 has 6 MA's), (3, 14983), (Start: 4 @15010 has 1 MA's), (5, 15043), (6, 15046), (7, 15049), (8, 15172), (9, 15214), (10, 15385), (11, 15412),