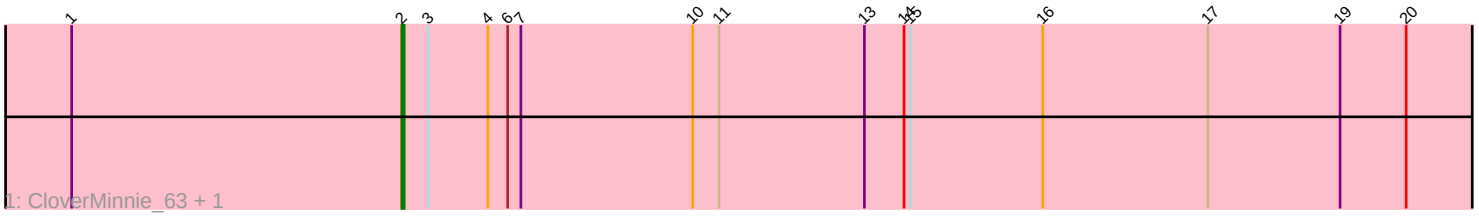
Pham 284398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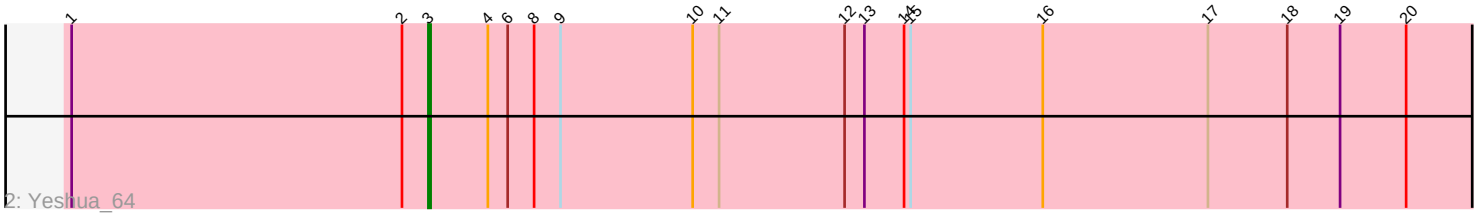
1: CloverMinnie_63 + 1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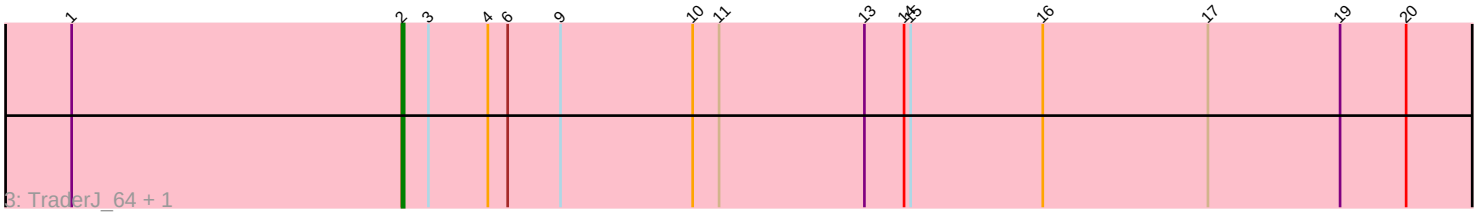
2: Yeshua_64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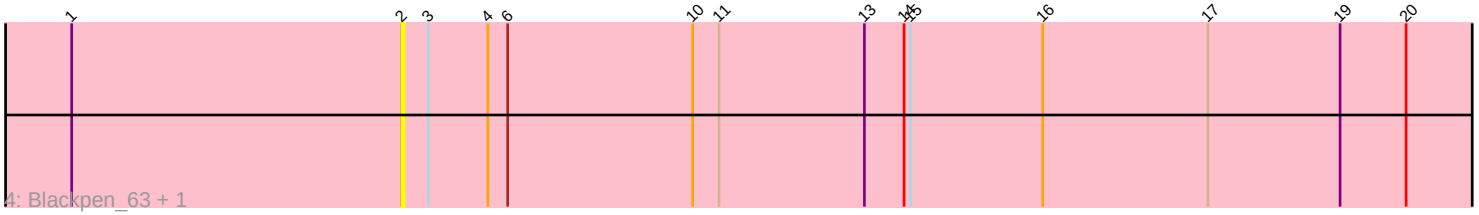
3: TraderJ_64 + 1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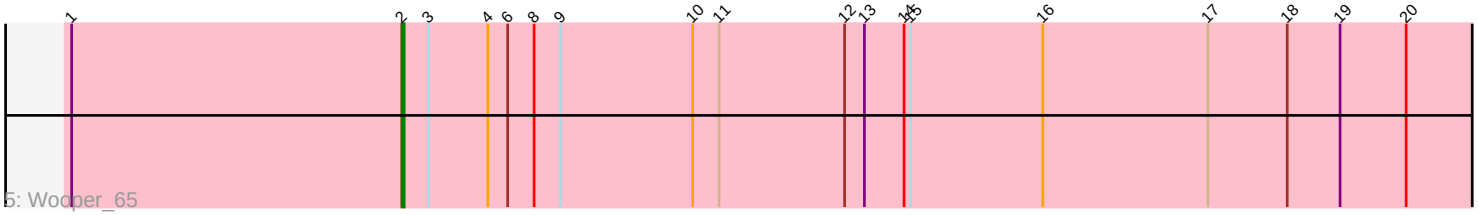
4: Blackpen_63 + 1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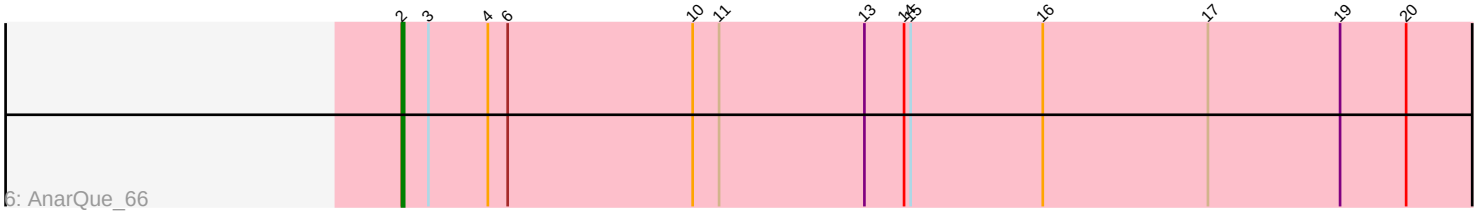
5: Wooper_65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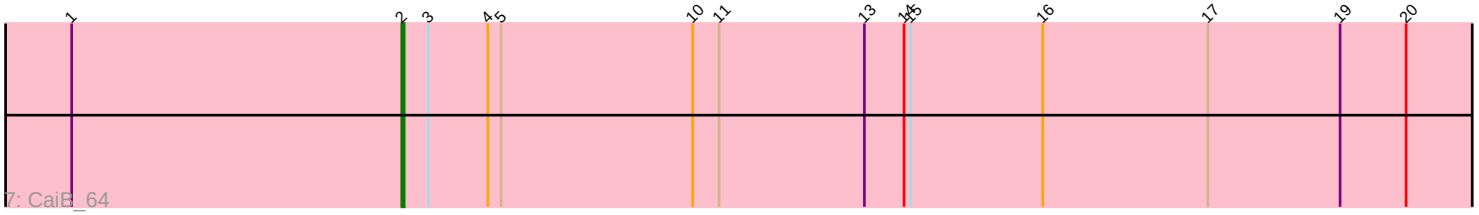
6: AnarQue_66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7: CaiB_64

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 284398 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284398 has 10 members, 3 are drafts.

Phages represented in each track:
• Track 1 : CloverMinnie_63, MakoManhole_61
• Track 2 : Yeshua_64
• Track 3 : TraderJ_64, MossRose_64
• Track 4 : Blackpen_63, FelixTres_65
• Track 5 : Wooper_65
• Track 6 : AnarQue_66
• Track 7 : CaiB_64

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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnarQue_66, Blackpen_63, CaiB_64, CloverMinnie_63, FelixTres_65, MakoManhole_61, MossRose_64, TraderJ_64, Wooper_65,

Genes that have the "Most Annotated" start but do not call it:
• Yeshua_64,

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

Summary by start number:

Start 2:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 90.0% of time when present
• Phage (with cluster) where this start called: AnarQue_66 (DR), Blackpen_63 (DR), CaiB_64 (DR), CloverMinnie_63 (DR), FelixTres_65 (DR), MakoManhole_61 (DR), MossRose_64 (DR), TraderJ_64 (DR), Wooper_65 (DR),

Start 3:

• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Yeshua_64 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

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

Gene Information:

Gene: AnarQue_66 Start: 52691, Stop: 53188, Start Num: 2
Candidate Starts for AnarQue_66:
(Start: 2 @52691 has 6 MA's), (Start: 3 @52703 has 1 MA's), (4, 52730), (6, 52739), (10, 52823), (11, 52835), (13, 52901), (14, 52919), (15, 52922), (16, 52982), (17, 53057), (19, 53117), (20, 53147),

Gene: Blackpen_63 Start: 51130, Stop: 51627, Start Num: 2
Candidate Starts for Blackpen_63:
(1, 50980), (Start: 2 @51130 has 6 MA's), (Start: 3 @51142 has 1 MA's), (4, 51169), (6, 51178), (10, 51262), (11, 51274), (13, 51340), (14, 51358), (15, 51361), (16, 51421), (17, 51496), (19, 51556), (20, 51586),

Gene: CaiB_64 Start: 52475, Stop: 52972, Start Num: 2
Candidate Starts for CaiB_64:
(1, 52325), (Start: 2 @52475 has 6 MA's), (Start: 3 @52487 has 1 MA's), (4, 52514), (5, 52520), (10, 52607), (11, 52619), (13, 52685), (14, 52703), (15, 52706), (16, 52766), (17, 52841), (19, 52901), (20, 52931),

Gene: CloverMinnie_63 Start: 51638, Stop: 52135, Start Num: 2
Candidate Starts for CloverMinnie_63:
(1, 51488), (Start: 2 @51638 has 6 MA's), (Start: 3 @51650 has 1 MA's), (4, 51677), (6, 51686), (7, 51692), (10, 51770), (11, 51782), (13, 51848), (14, 51866), (15, 51869), (16, 51929), (17, 52004), (19, 52064), (20, 52094),

Gene: FelixTres_65 Start: 51945, Stop: 52442, Start Num: 2
Candidate Starts for FelixTres_65:
(1, 51795), (Start: 2 @51945 has 6 MA's), (Start: 3 @51957 has 1 MA's), (4, 51984), (6, 51993), (10, 52077), (11, 52089), (13, 52155), (14, 52173), (15, 52176), (16, 52236), (17, 52311), (19, 52371), (20, 52401),

Gene: MakoManhole_61 Start: 50993, Stop: 51490, Start Num: 2
Candidate Starts for MakoManhole_61:
(1, 50843), (Start: 2 @50993 has 6 MA's), (Start: 3 @51005 has 1 MA's), (4, 51032), (6, 51041), (7, 51047), (10, 51125), (11, 51137), (13, 51203), (14, 51221), (15, 51224), (16, 51284), (17, 51359), (19, 51419), (20, 51449),

Gene: MossRose_64 Start: 51953, Stop: 52450, Start Num: 2

Candidate Starts for MossRose_64:
(1, 51803), (Start: 2 @51953 has 6 MA's), (Start: 3 @51965 has 1 MA's), (4, 51992), (6, 52001), (9, 52025), (10, 52085), (11, 52097), (13, 52163), (14, 52181), (15, 52184), (16, 52244), (17, 52319), (19, 52379), (20, 52409),

Gene: TraderJ_64 Start: 52079, Stop: 52576, Start Num: 2
Candidate Starts for TraderJ_64:
(1, 51929), (Start: 2 @52079 has 6 MA's), (Start: 3 @52091 has 1 MA's), (4, 52118), (6, 52127), (9, 52151), (10, 52211), (11, 52223), (13, 52289), (14, 52307), (15, 52310), (16, 52370), (17, 52445), (19, 52505), (20, 52535),

Gene: Wooper_65 Start: 52024, Stop: 52521, Start Num: 2
Candidate Starts for Wooper_65:
(1, 51874), (Start: 2 @52024 has 6 MA's), (Start: 3 @52036 has 1 MA's), (4, 52063), (6, 52072), (8, 52084), (9, 52096), (10, 52156), (11, 52168), (12, 52225), (13, 52234), (14, 52252), (15, 52255), (16, 52315), (17, 52390), (18, 52426), (19, 52450), (20, 52480),

Gene: Yeshua_64 Start: 52013, Stop: 52498, Start Num: 3
Candidate Starts for Yeshua_64:
(1, 51851), (Start: 2 @52001 has 6 MA's), (Start: 3 @52013 has 1 MA's), (4, 52040), (6, 52049), (8, 52061), (9, 52073), (10, 52133), (11, 52145), (12, 52202), (13, 52211), (14, 52229), (15, 52232), (16, 52292), (17, 52367), (18, 52403), (19, 52427), (20, 52457),