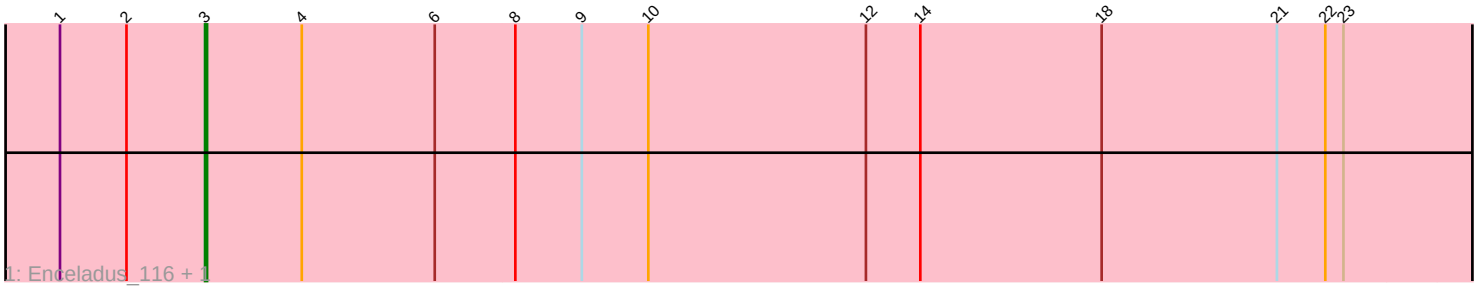
Pham 153798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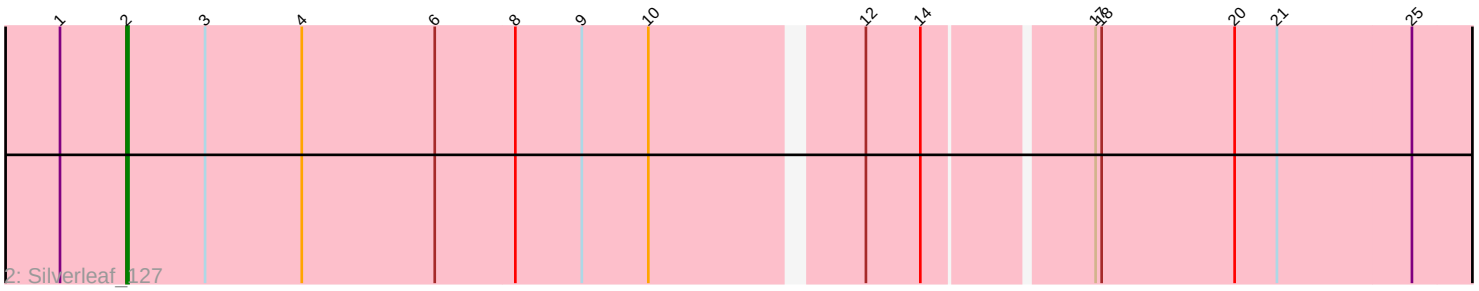
1: Enceladus_116 + 1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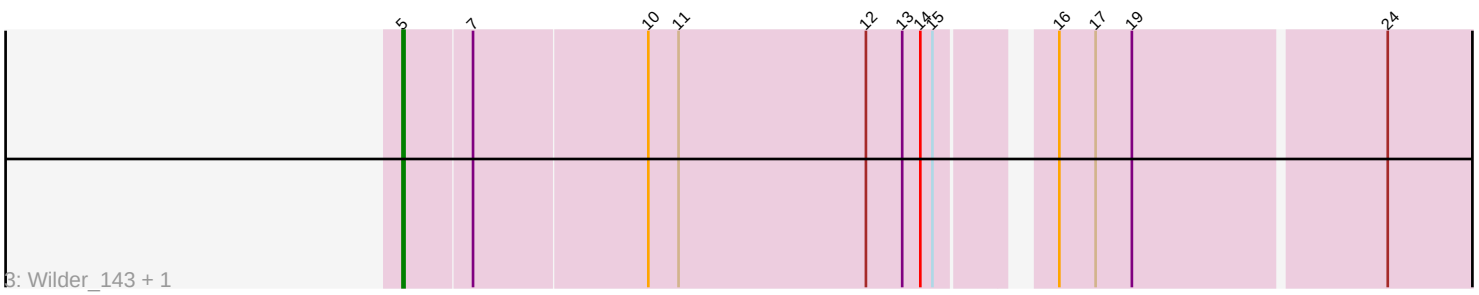
2: Silverleaf_127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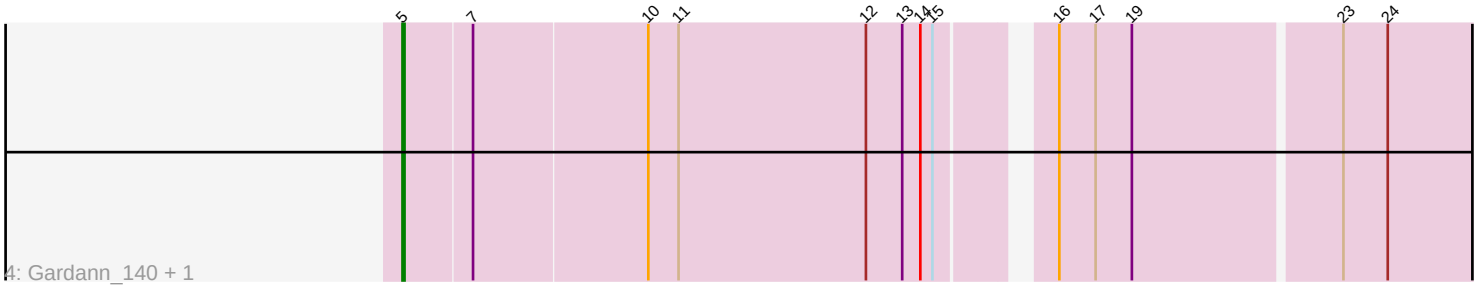
3: Wilder_143 + 1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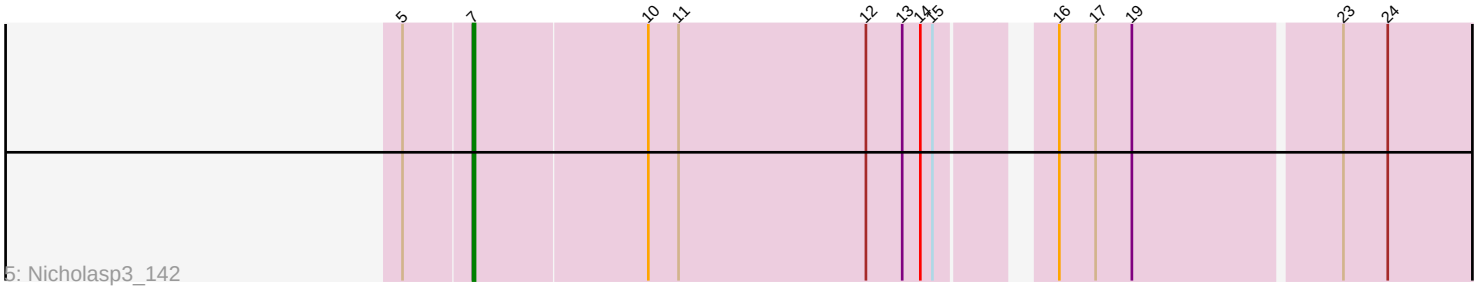
4: Gardann_140 + 1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5: Nicholasp3_142

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 153798 Report

This analysis was run 04/28/24 on database version 559.

Pham number 153798 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Enceladus_116, DirkDirk_117
• Track 2 : Silverleaf_127
• Track 3 : Wilder_143, Kahlid_141
• Track 4 : Gardann_140, LilDestine_139
• Track 5 : Nicholasp3_142

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gardann_140, Kahlid_141, LilDestine_139, Wilder_143,

Genes that have the "Most Annotated" start but do not call it:
• Nicholasp3_142,

Genes that do not have the "Most Annotated" start:
• DirkDirk_117, Enceladus_116, Silverleaf_127,

Summary by start number:

Start 2:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Silverleaf_127 (L1),

Start 3:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 66.7% of time when present
• Phage (with cluster) where this start called: DirkDirk_117 (L1), Enceladus_116 (L1),

Start 5:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Gardann_140 (L2), Kahlid_141 (L2), LilDestine_139 (L2), Wilder_143 (L2),

Start 7:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Nicholasp3_142 (L2),

Summary by clusters:

There are 2 clusters represented in this pham: L2, L1,

Info for manual annotations of cluster L1:
•Start number 2 was manually annotated 1 time for cluster L1.
•Start number 3 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 5 was manually annotated 4 times for cluster L2.
•Start number 7 was manually annotated 1 time for cluster L2.

Gene Information:

Gene: DirkDirk_117 Start: 67326, Stop: 66700, Start Num: 3
Candidate Starts for DirkDirk_117:
(1, 67398), (Start: 2 @67365 has 1 MA's), (Start: 3 @67326 has 2 MA's), (4, 67278), (6, 67212), (8, 67173), (9, 67140), (10, 67107), (12, 66999), (14, 66972), (18, 66882), (21, 66795), (22, 66771), (23, 66762),

Gene: Enceladus_116 Start: 65725, Stop: 65099, Start Num: 3
Candidate Starts for Enceladus_116:
(1, 65797), (Start: 2 @65764 has 1 MA's), (Start: 3 @65725 has 2 MA's), (4, 65677), (6, 65611), (8, 65572), (9, 65539), (10, 65506), (12, 65398), (14, 65371), (18, 65281), (21, 65194), (22, 65170), (23, 65161),

Gene: Gardann_140 Start: 75171, Stop: 74662, Start Num: 5
Candidate Starts for Gardann_140:
(Start: 5 @75171 has 4 MA's), (Start: 7 @75138 has 1 MA's), (10, 75054), (11, 75039), (12, 74946), (13, 74928), (14, 74919), (15, 74913), (16, 74868), (17, 74850), (19, 74832), (23, 74733), (24, 74712),

Gene: Kahlid_141 Start: 75085, Stop: 74576, Start Num: 5
Candidate Starts for Kahlid_141:
(Start: 5 @75085 has 4 MA's), (Start: 7 @75052 has 1 MA's), (10, 74968), (11, 74953), (12, 74860), (13, 74842), (14, 74833), (15, 74827), (16, 74782), (17, 74764), (19, 74746), (24, 74626),

Gene: LilDestine_139 Start: 74577, Stop: 74068, Start Num: 5
Candidate Starts for LilDestine_139:

(Start: 5 @74577 has 4 MA's), (Start: 7 @74544 has 1 MA's), (10, 74460), (11, 74445), (12, 74352), (13, 74334), (14, 74325), (15, 74319), (16, 74274), (17, 74256), (19, 74238), (23, 74139), (24, 74118),

Gene: Nicholasp3_142 Start: 74948, Stop: 74472, Start Num: 7
Candidate Starts for Nicholasp3_142:
(Start: 5 @74981 has 4 MA's), (Start: 7 @74948 has 1 MA's), (10, 74864), (11, 74849), (12, 74756), (13, 74738), (14, 74729), (15, 74723), (16, 74678), (17, 74660), (19, 74642), (23, 74543), (24, 74522),

Gene: Silverleaf_127 Start: 72498, Stop: 71839, Start Num: 2
Candidate Starts for Silverleaf_127:
(1, 72531), (Start: 2 @72498 has 1 MA's), (Start: 3 @72459 has 2 MA's), (4, 72411), (6, 72345), (8, 72306), (9, 72273), (10, 72240), (12, 72144), (14, 72117), (17, 72039), (18, 72036), (20, 71970), (21, 71949), (25, 71883),

Gene: Wilder_143 Start: 74939, Stop: 74430, Start Num: 5
Candidate Starts for Wilder_143:
(Start: 5 @74939 has 4 MA's), (Start: 7 @74906 has 1 MA's), (10, 74822), (11, 74807), (12, 74714), (13, 74696), (14, 74687), (15, 74681), (16, 74636), (17, 74618), (19, 74600), (24, 74480),