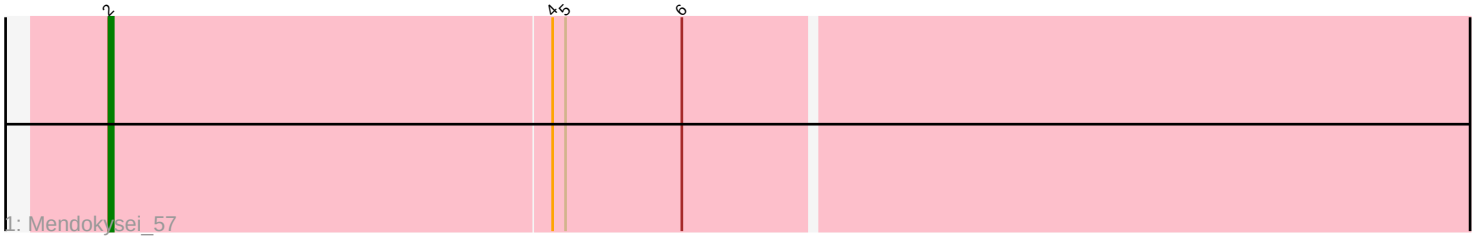
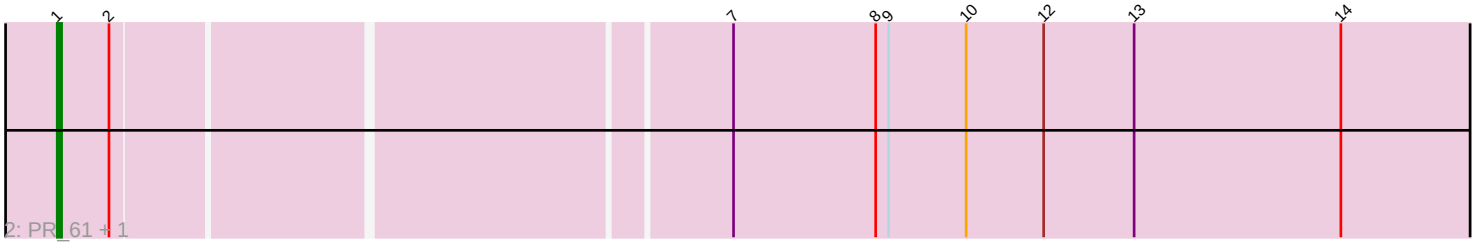
Pham 87601


2
4
5
6
1: Mendokysei_57


1
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12
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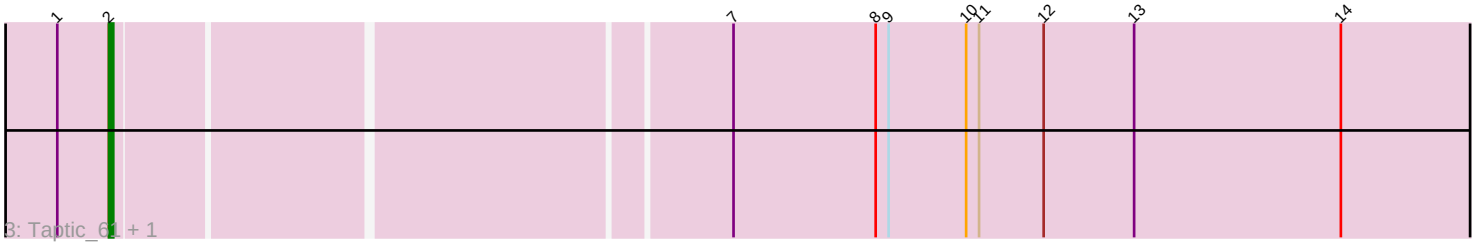
14
2: PR_61 + 1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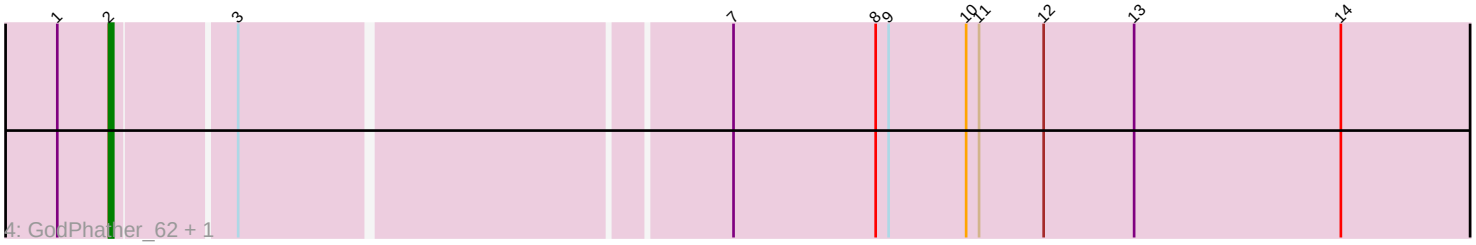
3: Taptic_61 + 1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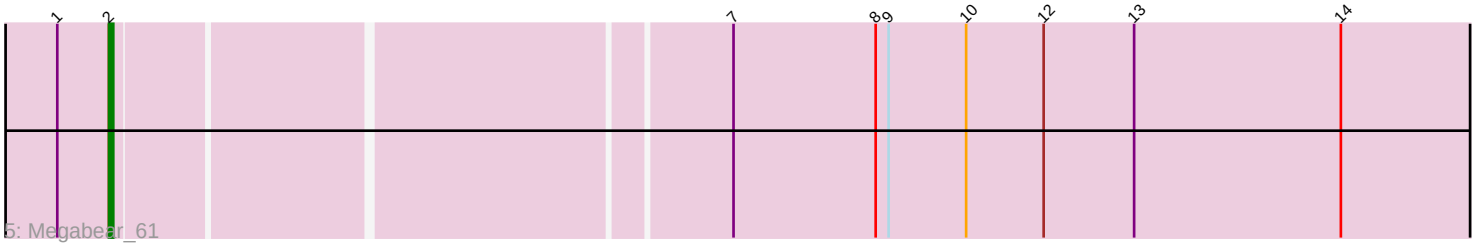
4: GodPhather_62 + 1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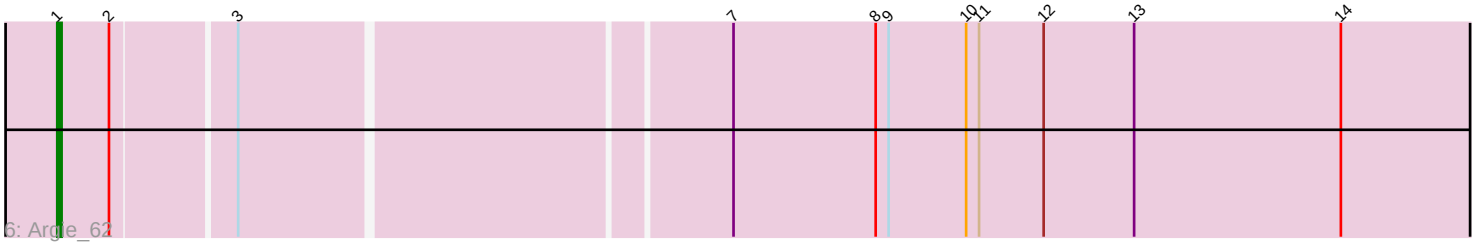
5: Megabear_61


1
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6: Argle_62

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 87601 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87601 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Mendokysei_57
• Track 2 : PR_61, D12_60
• Track 3 : Taptic_61, Cepens_61
• Track 4 : GodPhather_62, Jeon_61
• Track 5 : Megabear_61
• Track 6 : Argie_62

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 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cepens_61, GodPhather_62, Jeon_61, Megabear_61, Mendokysei_57, Taptic_61,

Genes that have the "Most Annotated" start but do not call it:
• Argie_62, D12_60, PR_61,

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

Summary by start number:

Start 1:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 37.5% of time when present
• Phage (with cluster) where this start called: Argie_62 (W), D12_60 (W), PR_61 (W),

Start 2:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 66.7% of time when present

• Phage (with cluster) where this start called: Cepens_61 (W), GodPhather_62 (W), Jeon_61 (W), Megabear_61 (W), Mendokysei_57 (T), Taptic_61 (W),

Summary by clusters:

There are 2 clusters represented in this pham: T, W,

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

Info for manual annotations of cluster W:
•Start number 1 was manually annotated 3 times for cluster W.
•Start number 2 was manually annotated 5 times for cluster W.

Gene Information:

Gene: Argie_62 Start: 47756, Stop: 48118, Start Num: 1
Candidate Starts for Argie_62:
(Start: 1 @47756 has 3 MA's), (Start: 2 @47768 has 6 MA's), (3, 47795), (7, 47903), (8, 47936), (9, 47939), (10, 47957), (11, 47960), (12, 47975), (13, 47996), (14, 48044),

Gene: Cepens_61 Start: 47483, Stop: 47833, Start Num: 2
Candidate Starts for Cepens_61:
(Start: 1 @47471 has 3 MA's), (Start: 2 @47483 has 6 MA's), (7, 47618), (8, 47651), (9, 47654), (10, 47672), (11, 47675), (12, 47690), (13, 47711), (14, 47759),

Gene: D12_60 Start: 48019, Stop: 48381, Start Num: 1
Candidate Starts for D12_60:
(Start: 1 @48019 has 3 MA's), (Start: 2 @48031 has 6 MA's), (7, 48166), (8, 48199), (9, 48202), (10, 48220), (12, 48238), (13, 48259), (14, 48307),

Gene: GodPhather_62 Start: 48270, Stop: 48620, Start Num: 2
Candidate Starts for GodPhather_62:
(Start: 1 @48258 has 3 MA's), (Start: 2 @48270 has 6 MA's), (3, 48297), (7, 48405), (8, 48438), (9, 48441), (10, 48459), (11, 48462), (12, 48477), (13, 48498), (14, 48546),

Gene: Jeon_61 Start: 47961, Stop: 48311, Start Num: 2
Candidate Starts for Jeon_61:
(Start: 1 @47949 has 3 MA's), (Start: 2 @47961 has 6 MA's), (3, 47988), (7, 48096), (8, 48129), (9, 48132), (10, 48150), (11, 48153), (12, 48168), (13, 48189), (14, 48237),

Gene: Megabear_61 Start: 47404, Stop: 47754, Start Num: 2
Candidate Starts for Megabear_61:
(Start: 1 @47392 has 3 MA's), (Start: 2 @47404 has 6 MA's), (7, 47539), (8, 47572), (9, 47575), (10, 47593), (12, 47611), (13, 47632), (14, 47680),

Gene: Mendokysei_57 Start: 39754, Stop: 39395, Start Num: 2
Candidate Starts for Mendokysei_57:
(Start: 2 @39754 has 6 MA's), (4, 39652), (5, 39649), (6, 39622),

Gene: PR_61 Start: 47996, Stop: 48358, Start Num: 1

Candidate Starts for PR_61:
(Start: 1 @47996 has 3 MA's), (Start: 2 @48008 has 6 MA's), (7, 48143), (8, 48176), (9, 48179), (10, 48197), (12, 48215), (13, 48236), (14, 48284),

Gene: Taptic_61 Start: 47404, Stop: 47754, Start Num: 2
Candidate Starts for Taptic_61:
(Start: 1 @47392 has 3 MA's), (Start: 2 @47404 has 6 MA's), (7, 47539), (8, 47572), (9, 47575), (10, 47593), (11, 47596), (12, 47611), (13, 47632), (14, 47680),