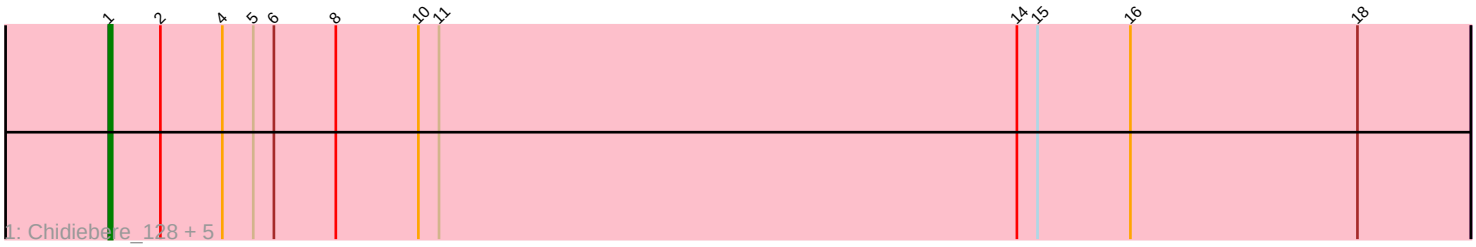
Pham 11812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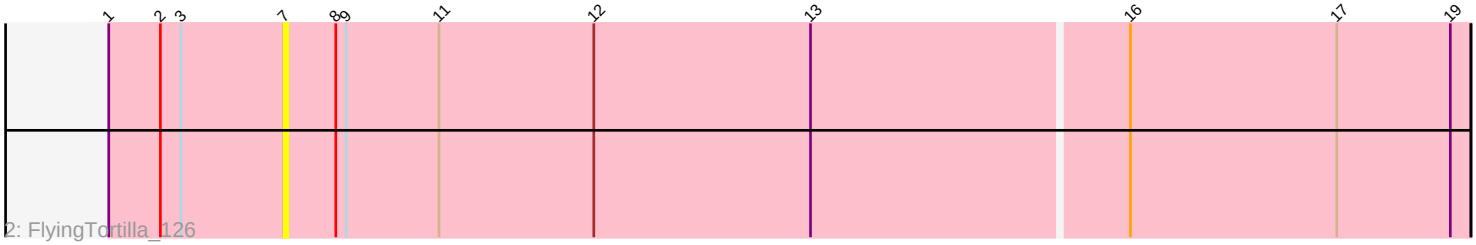
16
18
1: Chidiebere_128 + 5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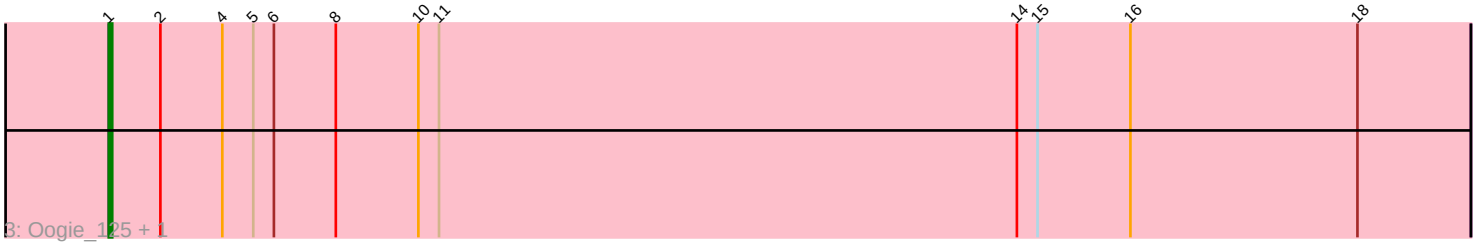
2: FlyingTortilla_126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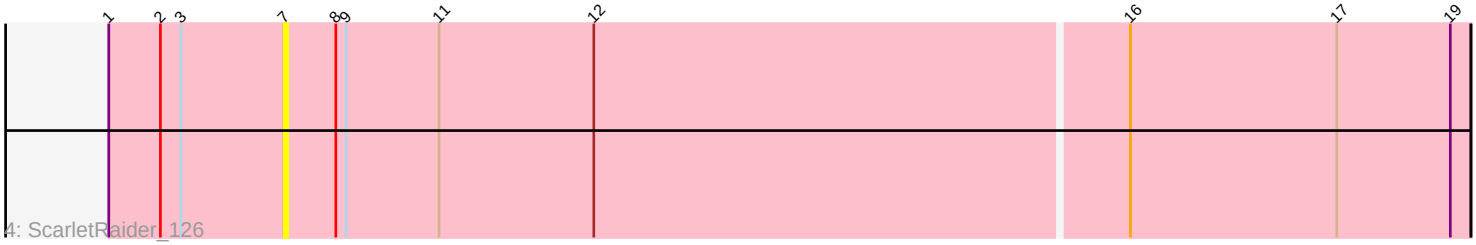
3: Oogie_125 + 1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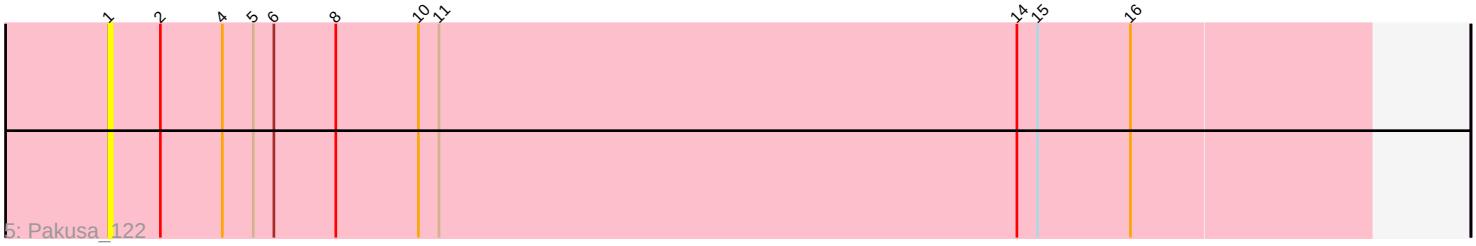
4: ScarletRaider_126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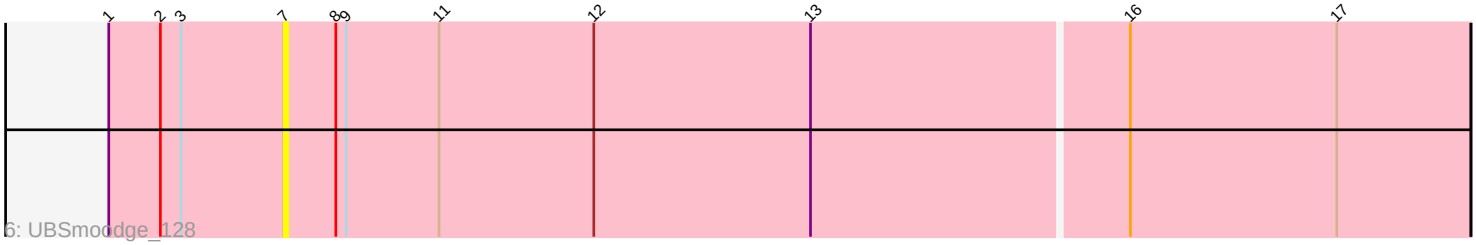
5: Pakusa_122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6: UBSmoodge_128

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 11812 Report

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

Pham number 11812 has 12 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Chidiebere_128, Kabocha_129, Gray_124, Aloki_120, Schomber_126, Hanem_126
• Track 2 : FlyingTortilla_126
• Track 3 : Oogie_125, ChisanaKitsune_126
• Track 4 : ScarletRaider_126
• Track 5 : Pakusa_122
• Track 6 : UBSmoodge_128

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_120, Chidiebere_128, ChisanaKitsune_126, Gray_124, Hanem_126, Kabocha_129, Oogie_125, Pakusa_122, Schomber_126,

Genes that have the "Most Annotated" start but do not call it:
• FlyingTortilla_126, ScarletRaider_126, UBSmoodge_128,

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

Summary by start number:

Start 1:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Aloki_120 (DQ), Chidiebere_128 (DQ), ChisanaKitsune_126 (DQ), Gray_124 (DQ), Hanem_126 (DQ), Kabocha_129 (DQ), Oogie_125 (DQ), Pakusa_122 (DQ), Schomber_126 (DQ),

Start 7:

• Found in 3 of 12 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FlyingTortilla_126 (DQ), ScarletRaider_126 (DQ), UBSmoodge_128 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 1 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Aloki_120 Start: 88005, Stop: 88400, Start Num: 1
Candidate Starts for Aloki_120:
(Start: 1 @88005 has 6 MA's), (2, 88020), (4, 88038), (5, 88047), (6, 88053), (8, 88071), (10, 88095), (11, 88101), (14, 88269), (15, 88275), (16, 88302), (18, 88368),

Gene: Chidiebere_128 Start: 89908, Stop: 90303, Start Num: 1
Candidate Starts for Chidiebere_128:
(Start: 1 @89908 has 6 MA's), (2, 89923), (4, 89941), (5, 89950), (6, 89956), (8, 89974), (10, 89998), (11, 90004), (14, 90172), (15, 90178), (16, 90205), (18, 90271),

Gene: ChisanaKitsune_126 Start: 88151, Stop: 88546, Start Num: 1
Candidate Starts for ChisanaKitsune_126:
(Start: 1 @88151 has 6 MA's), (2, 88166), (4, 88184), (5, 88193), (6, 88199), (8, 88217), (10, 88241), (11, 88247), (14, 88415), (15, 88421), (16, 88448), (18, 88514),

Gene: FlyingTortilla_126 Start: 92530, Stop: 92871, Start Num: 7
Candidate Starts for FlyingTortilla_126:
(Start: 1 @92479 has 6 MA's), (2, 92494), (3, 92500), (7, 92530), (8, 92545), (9, 92548), (11, 92575), (12, 92620), (13, 92683), (16, 92773), (17, 92833), (19, 92866),

Gene: Gray_124 Start: 88464, Stop: 88859, Start Num: 1
Candidate Starts for Gray_124:
(Start: 1 @88464 has 6 MA's), (2, 88479), (4, 88497), (5, 88506), (6, 88512), (8, 88530), (10, 88554), (11, 88560), (14, 88728), (15, 88734), (16, 88761), (18, 88827),

Gene: Hanem_126 Start: 88005, Stop: 88400, Start Num: 1
Candidate Starts for Hanem_126:
(Start: 1 @88005 has 6 MA's), (2, 88020), (4, 88038), (5, 88047), (6, 88053), (8, 88071), (10, 88095), (11, 88101), (14, 88269), (15, 88275), (16, 88302), (18, 88368),

Gene: Kabocha_129 Start: 90700, Stop: 91095, Start Num: 1
Candidate Starts for Kabocha_129:
(Start: 1 @90700 has 6 MA's), (2, 90715), (4, 90733), (5, 90742), (6, 90748), (8, 90766), (10, 90790), (11, 90796), (14, 90964), (15, 90970), (16, 90997), (18, 91063),

Gene: Oogie_125 Start: 90432, Stop: 90827, Start Num: 1

Candidate Starts for Oogie_125:
(Start: 1 @90432 has 6 MA's), (2, 90447), (4, 90465), (5, 90474), (6, 90480), (8, 90498), (10, 90522), (11, 90528), (14, 90696), (15, 90702), (16, 90729), (18, 90795),

Gene: Pakusa_122 Start: 87933, Stop: 88298, Start Num: 1
Candidate Starts for Pakusa_122:
(Start: 1 @87933 has 6 MA's), (2, 87948), (4, 87966), (5, 87975), (6, 87981), (8, 87999), (10, 88023), (11, 88029), (14, 88197), (15, 88203), (16, 88230),

Gene: ScarletRaider_126 Start: 91735, Stop: 92076, Start Num: 7
Candidate Starts for ScarletRaider_126:
(Start: 1 @91684 has 6 MA's), (2, 91699), (3, 91705), (7, 91735), (8, 91750), (9, 91753), (11, 91780), (12, 91825), (16, 91978), (17, 92038), (19, 92071),

Gene: Schomber_126 Start: 89109, Stop: 89504, Start Num: 1
Candidate Starts for Schomber_126:
(Start: 1 @89109 has 6 MA's), (2, 89124), (4, 89142), (5, 89151), (6, 89157), (8, 89175), (10, 89199), (11, 89205), (14, 89373), (15, 89379), (16, 89406), (18, 89472),

Gene: UBSmoodge_128 Start: 92334, Stop: 92675, Start Num: 7
Candidate Starts for UBSmoodge_128:
(Start: 1 @92283 has 6 MA's), (2, 92298), (3, 92304), (7, 92334), (8, 92349), (9, 92352), (11, 92379), (12, 92424), (13, 92487), (16, 92577), (17, 92637),