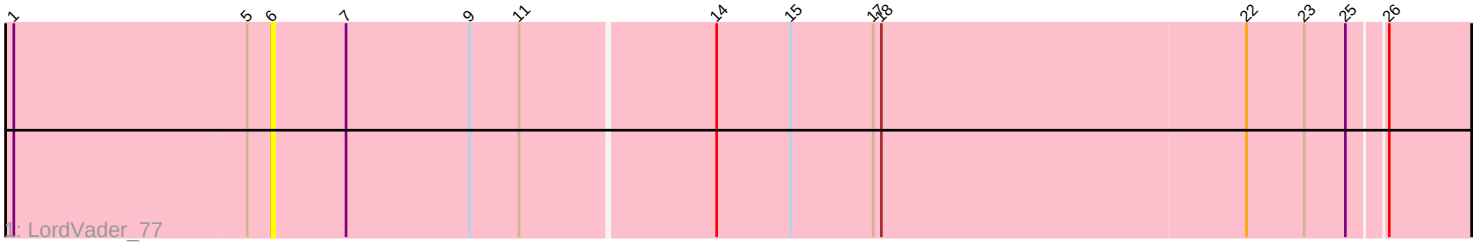
Pham 278822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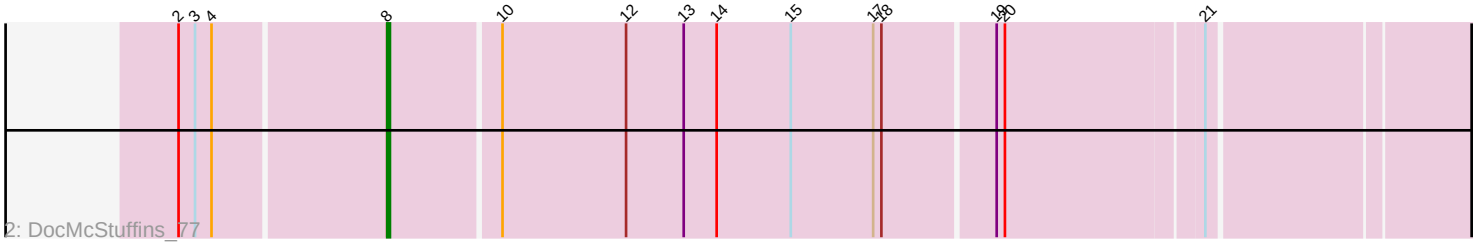
1: LordVader_77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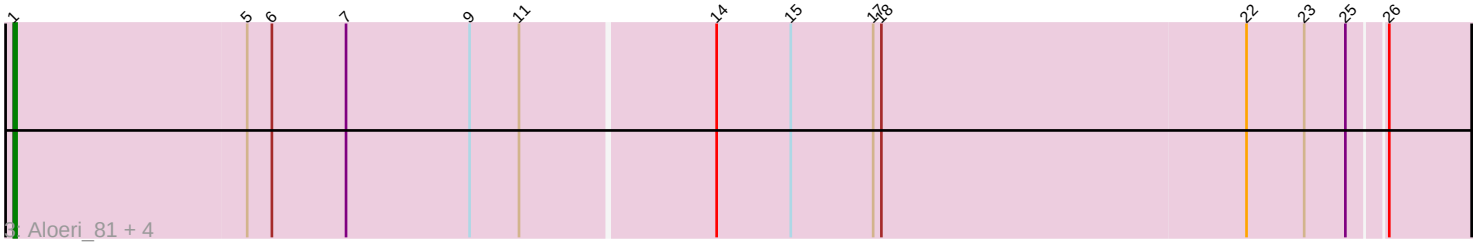
2: DocMcStuffins_77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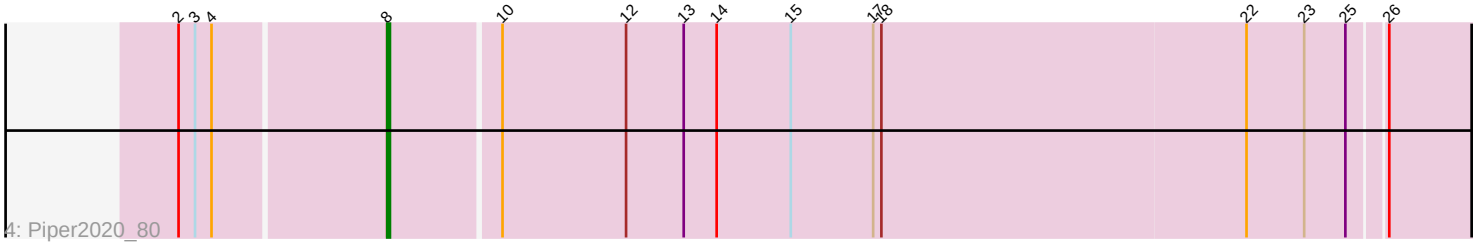
3: Aloeri_81 + 4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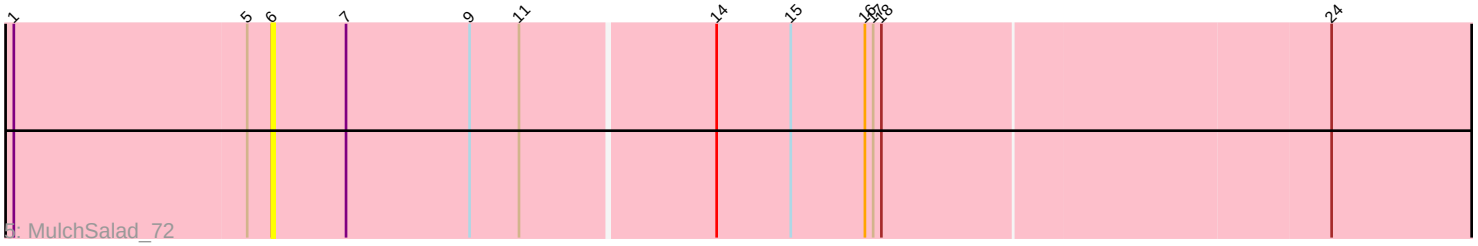
4: Piper2020_80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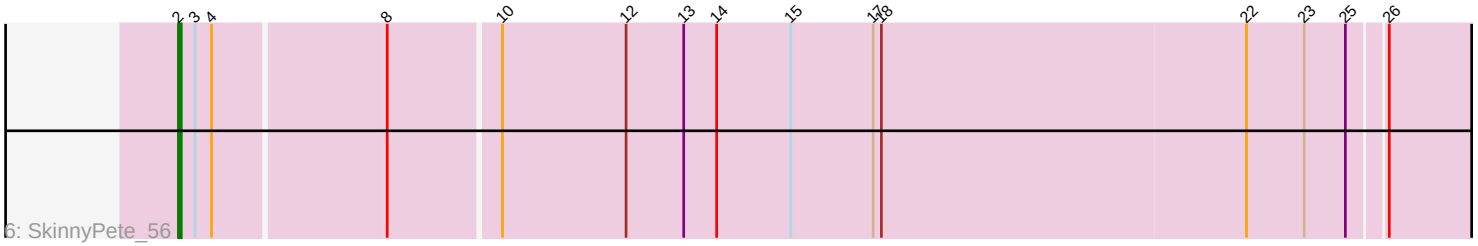
5: MulchSalad_72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6: SkinnyPete_56

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 278822 Report

This analysis was run 02/07/26 on database version 634.

Pham number 278822 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : LordVader_77
• Track 2 : DocMcStuffins_77
• Track 3 : Aloeri_81, Misha28_79, ChickenDinner_80, TootsiePop_79, Awesomesauce_79
• Track 4 : Piper2020_80
• Track 5 : MulchSalad_72
• Track 6 : SkinnyPete_56

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloeri_81, Awesomesauce_79, ChickenDinner_80, Misha28_79, TootsiePop_79,

Genes that have the "Most Annotated" start but do not call it:
• LordVader_77, MulchSalad_72,

Genes that do not have the "Most Annotated" start:
• DocMcStuffins_77, Piper2020_80, SkinnyPete_56,

Summary by start number:

Start 1:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Aloeri_81 (F1), Awesomesauce_79 (F1), ChickenDinner_80 (F1), Misha28_79 (F1), TootsiePop_79 (F1),

Start 2:
• Found in 3 of 10 (30.0%) 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: SkinnyPete_56 (N),

Start 6:
• Found in 7 of 10 (70.0%) of genes in pham
• No Manual Annotations of this start.
• Called 28.6% of time when present
• Phage (with cluster) where this start called: LordVader_77 (F), MulchSalad_72 (F7),

Start 8:
• Found in 3 of 10 (30.0%) 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: DocMcStuffins_77 (F1), Piper2020_80 (F1),

Summary by clusters:

There are 4 clusters represented in this pham: F1, F, N, F7,

Info for manual annotations of cluster F1:
•Start number 1 was manually annotated 5 times for cluster F1.
•Start number 8 was manually annotated 2 times for cluster F1.

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

Gene Information:

Gene: Aloeri_81 Start: 49340, Stop: 49882, Start Num: 1
Candidate Starts for Aloeri_81:
(Start: 1 @49340 has 5 MA's), (5, 49424), (6, 49433), (7, 49460), (9, 49505), (11, 49523), (14, 49592), (15, 49619), (17, 49649), (18, 49652), (22, 49784), (23, 49805), (25, 49820), (26, 49832),

Gene: Awesomesauce_79 Start: 49166, Stop: 49708, Start Num: 1
Candidate Starts for Awesomesauce_79:
(Start: 1 @49166 has 5 MA's), (5, 49250), (6, 49259), (7, 49286), (9, 49331), (11, 49349), (14, 49418), (15, 49445), (17, 49475), (18, 49478), (22, 49610), (23, 49631), (25, 49646), (26, 49658),

Gene: ChickenDinner_80 Start: 49340, Stop: 49882, Start Num: 1
Candidate Starts for ChickenDinner_80:
(Start: 1 @49340 has 5 MA's), (5, 49424), (6, 49433), (7, 49460), (9, 49505), (11, 49523), (14, 49592), (15, 49619), (17, 49649), (18, 49652), (22, 49784), (23, 49805), (25, 49820), (26, 49832),

Gene: DocMcStuffins_77 Start: 51114, Stop: 51512, Start Num: 8
Candidate Starts for DocMcStuffins_77:
(Start: 2 @51042 has 1 MA's), (3, 51048), (4, 51054), (Start: 8 @51114 has 2 MA's), (10, 51153), (12, 51198), (13, 51219), (14, 51231), (15, 51258), (17, 51288), (18, 51291), (19, 51330), (20, 51333), (21, 51402),

Gene: LordVader_77 Start: 45155, Stop: 45604, Start Num: 6
Candidate Starts for LordVader_77:
(Start: 1 @45062 has 5 MA's), (5, 45146), (6, 45155), (7, 45182), (9, 45227), (11, 45245), (14, 45314), (15, 45341), (17, 45371), (18, 45374), (22, 45506), (23, 45527), (25, 45542), (26, 45554),

Gene: Misha28_79 Start: 49865, Stop: 50407, Start Num: 1
Candidate Starts for Misha28_79:
(Start: 1 @49865 has 5 MA's), (5, 49949), (6, 49958), (7, 49985), (9, 50030), (11, 50048), (14, 50117), (15, 50144), (17, 50174), (18, 50177), (22, 50309), (23, 50330), (25, 50345), (26, 50357),

Gene: MulchSalad_72 Start: 45887, Stop: 46345, Start Num: 6
Candidate Starts for MulchSalad_72:
(Start: 1 @45794 has 5 MA's), (5, 45878), (6, 45887), (7, 45914), (9, 45959), (11, 45977), (14, 46046), (15, 46073), (16, 46100), (17, 46103), (18, 46106), (24, 46265),

Gene: Piper2020_80 Start: 50021, Stop: 50428, Start Num: 8
Candidate Starts for Piper2020_80:
(Start: 2 @49949 has 1 MA's), (3, 49955), (4, 49961), (Start: 8 @50021 has 2 MA's), (10, 50060), (12, 50105), (13, 50126), (14, 50138), (15, 50165), (17, 50195), (18, 50198), (22, 50330), (23, 50351), (25, 50366), (26, 50378),

Gene: SkinnyPete_56 Start: 37623, Stop: 38102, Start Num: 2
Candidate Starts for SkinnyPete_56:
(Start: 2 @37623 has 1 MA's), (3, 37629), (4, 37635), (Start: 8 @37695 has 2 MA's), (10, 37734), (12, 37779), (13, 37800), (14, 37812), (15, 37839), (17, 37869), (18, 37872), (22, 38004), (23, 38025), (25, 38040), (26, 38052),

Gene: TootsiePop_79 Start: 49865, Stop: 50407, Start Num: 1
Candidate Starts for TootsiePop_79:
(Start: 1 @49865 has 5 MA's), (5, 49949), (6, 49958), (7, 49985), (9, 50030), (11, 50048), (14, 50117), (15, 50144), (17, 50174), (18, 50177), (22, 50309), (23, 50330), (25, 50345), (26, 50357),