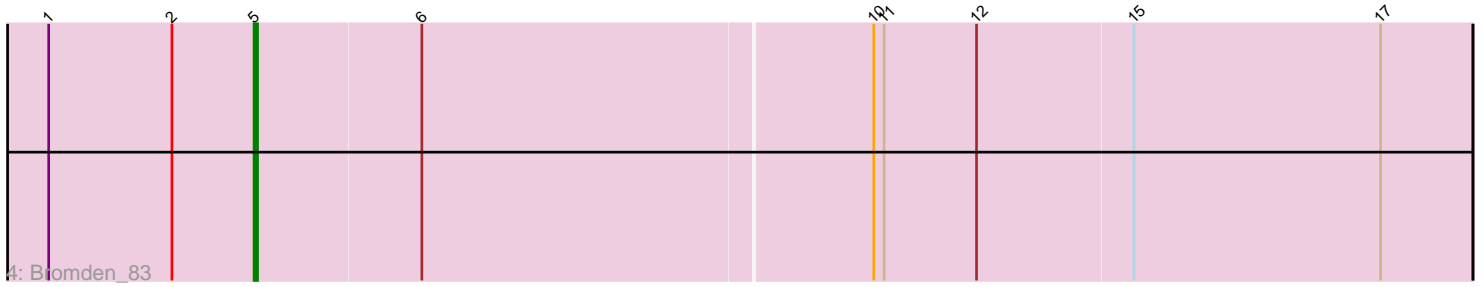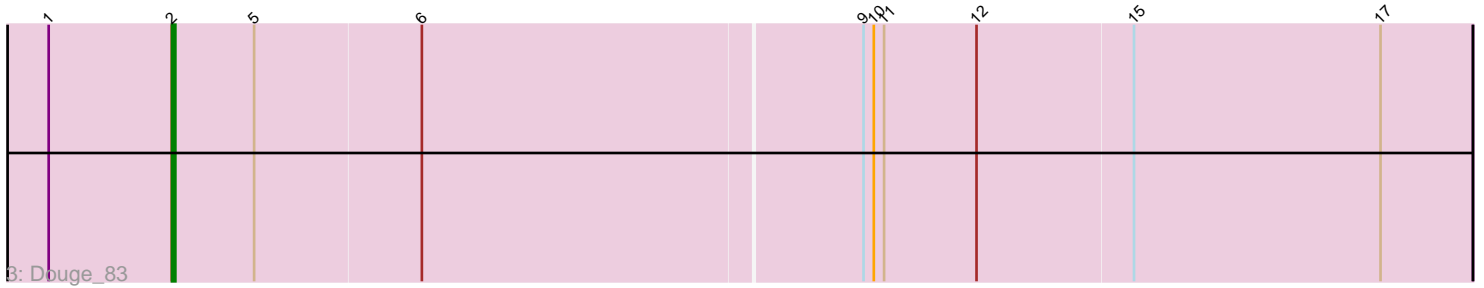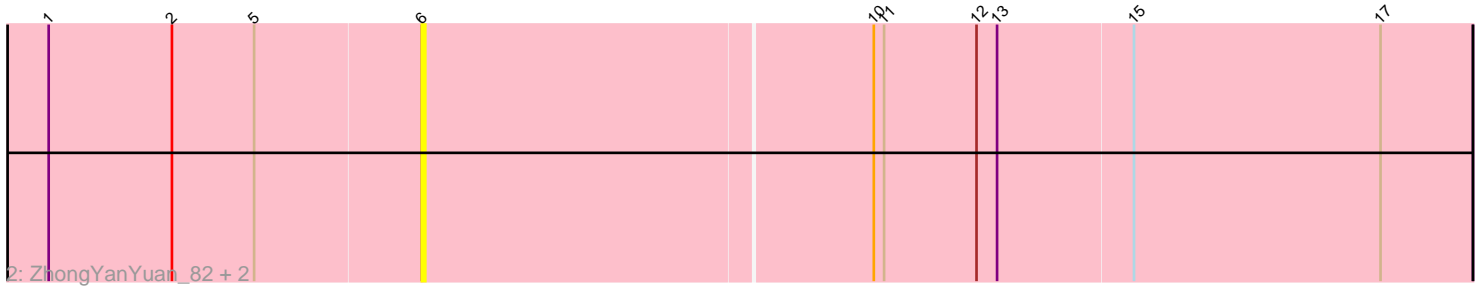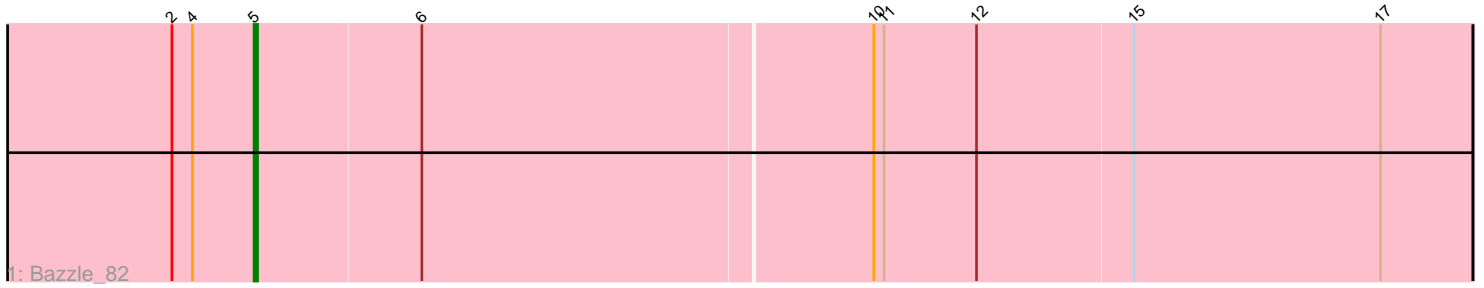# Pham 194643

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 194643 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194643 has 7 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Bazzle_82
• Track 2 : ZhongYanYuan_82, Baoshan_82, DHan_88
• Track 3 : Douge_83
• Track 4 : Bromden_83
• Track 5 : Bromden_77

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 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bazzle_82, Bromden_83,

Genes that have the "Most Annotated" start but do not call it:
• Baoshan_82, DHan_88, Douge_83, ZhongYanYuan_82,

Genes that do not have the "Most Annotated" start:
• Bromden_77,

Summary by start number:

Start 2:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Douge_83 (L4),

Start 3:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bromden_77 (L4),

Start 5:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Bazzle_82 (L2), Bromden_83 (L4),

Start 6:
• Found in 6 of 7 (85.7%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Baoshan_82 (L2), DHan_88 (L2), ZhongYanYuan_82 (L2),

Summary by clusters:

There are 2 clusters represented in this pham: L4, L2,

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

Info for manual annotations of cluster L4:
•Start number 2 was manually annotated 1 time for cluster L4.
•Start number 3 was manually annotated 1 time for cluster L4.
•Start number 5 was manually annotated 1 time for cluster L4.

Gene Information:

Gene: Baoshan_82 Start: 55413, Stop: 55715, Start Num: 6
Candidate Starts for Baoshan_82:
(1, 55305), (Start: 2 @55341 has 1 MA's), (Start: 5 @55365 has 2 MA's), (6, 55413), (10, 55542), (11, 55545), (12, 55572), (13, 55578), (15, 55617), (17, 55689),

Gene: Bazzle_82 Start: 55265, Stop: 55615, Start Num: 5
Candidate Starts for Bazzle_82:
(Start: 2 @55241 has 1 MA's), (4, 55247), (Start: 5 @55265 has 2 MA's), (6, 55313), (10, 55442), (11, 55445), (12, 55472), (15, 55517), (17, 55589),

Gene: Bromden_83 Start: 54891, Stop: 55241, Start Num: 5
Candidate Starts for Bromden_83:
(1, 54831), (Start: 2 @54867 has 1 MA's), (Start: 5 @54891 has 2 MA's), (6, 54939), (10, 55068), (11, 55071), (12, 55098), (15, 55143), (17, 55215),

Gene: Bromden_77 Start: 52678, Stop: 53001, Start Num: 3
Candidate Starts for Bromden_77:
(Start: 3 @52678 has 1 MA's), (7, 52789), (8, 52843), (10, 52879), (13, 52915), (14, 52954), (16, 52990),

Gene: DHan_88 Start: 55476, Stop: 55778, Start Num: 6
Candidate Starts for DHan_88:
(1, 55368), (Start: 2 @55404 has 1 MA's), (Start: 5 @55428 has 2 MA's), (6, 55476), (10, 55605), (11, 55608), (12, 55635), (13, 55641), (15, 55680), (17, 55752),

Gene: Douge_83 Start: 53819, Stop: 54193, Start Num: 2
Candidate Starts for Douge_83:
(1, 53783), (Start: 2 @53819 has 1 MA's), (Start: 5 @53843 has 2 MA's), (6, 53891), (9, 54017), (10, 54020), (11, 54023), (12, 54050), (15, 54095), (17, 54167),

Gene: ZhongYanYuan_82 Start: 54996, Stop: 55298, Start Num: 6
Candidate Starts for ZhongYanYuan_82:
(1, 54888), (Start: 2 @54924 has 1 MA's), (Start: 5 @54948 has 2 MA's), (6, 54996), (10, 55125), (11, 55128), (12, 55155), (13, 55161), (15, 55200), (17, 55272),