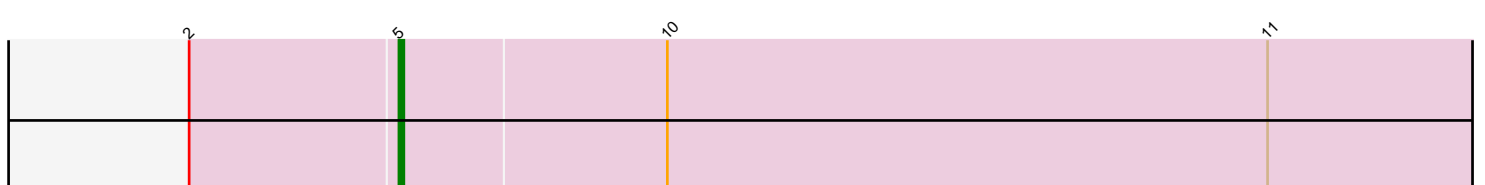
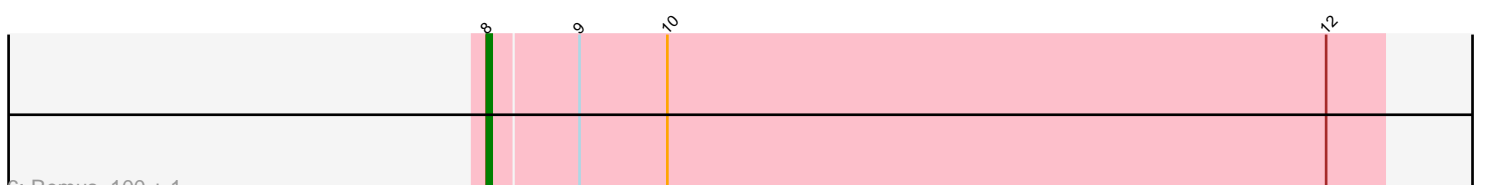
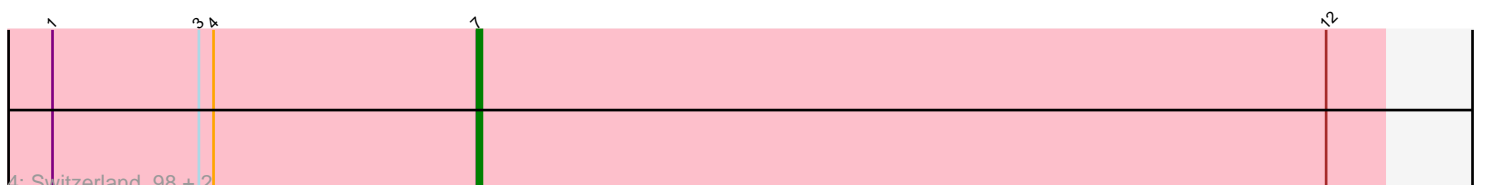
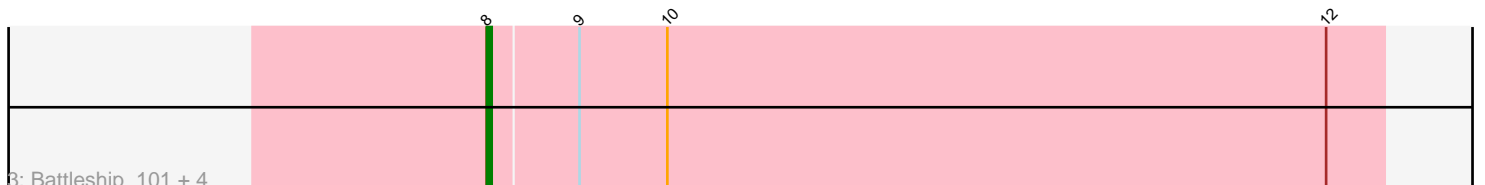


Pham 194302



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 194302 Report

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

Pham number 194302 has 24 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Oofda_99
- Track 2 : Looper_97, ReMo_98, LastResort_98, Nebulosus_97, JSwag_101, Soups_100, Boohoo_99, Anaysia_100
- Track 3 : Battleship_101, MinecraftSteve_99, Rosalind_99, Waits_98, DekHockey33_101
- Track 4 : Switzerland_98, KatherineG_99, ShayRa_98
- Track 5 : Epsocamisio_98
- Track 6 : Remus_100, Strosahl_100
- Track 7 : Anon_100
- Track 8 : CherryTomatoes_205, Pupper_203, SCentae_202

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

The start number called the most often in the published annotations is 7, it was called in 11 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anaysia_100, Boohoo_99, JSwag_101, KatherineG_99, LastResort_98, Looper_97, Nebulosus_97, ReMo_98, ShayRa_98, Soups_100, Switzerland_98,

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

-

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

- Anon_100, Battleship_101, CherryTomatoes_205, DekHockey33_101, Epsocamisio_98, MinecraftSteve_99, Oofda_99, Pupper_203, Remus_100, Rosalind_99, SCentae_202, Strosahl_100, Waits_98,

Summary by start number:

Start 5:

- Found in 3 of 24 (12.5%) of genes in pham
- Manual Annotations of this start: 3 of 23
- Called 100.0% of time when present

- Phage (with cluster) where this start called: CherryTomatoes_205 (DO), Pupper_203 (DO), SCentae_202 (DO),

Start 7:

- Found in 11 of 24 (45.8%) of genes in pham
- Manual Annotations of this start: 11 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anaysia_100 (A15), Boohoo_99 (A15), JSwag_101 (A15), KatherineG_99 (A15), LastResort_98 (A15), Looper_97 (A15), Nebulosus_97 (A15), ReMo_98 (A15), ShayRa_98 (A15), Soups_100 (A15), Switzerland_98 (A15),

Start 8:

- Found in 10 of 24 (41.7%) of genes in pham
- Manual Annotations of this start: 9 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anon_100 (A15), Battleship_101 (A15), DekHockey33_101 (A15), Epsocamisio_98 (A15), MinecraftSteve_99 (A15), Oofda_99 (A15), Remus_100 (A15), Rosalind_99 (A15), Strosahl_100 (A15), Waits_98 (A15),

Summary by clusters:

There are 2 clusters represented in this pham: A15, DO,

Info for manual annotations of cluster A15:

- Start number 7 was manually annotated 11 times for cluster A15.
- Start number 8 was manually annotated 9 times for cluster A15.

Info for manual annotations of cluster DO:

- Start number 5 was manually annotated 3 times for cluster DO.

Gene Information:

Gene: Anaysia_100 Start: 50870, Stop: 50685, Start Num: 7

Candidate Starts for Anaysia_100:

(1, 50957), (4, 50924), (Start: 7 @50870 has 11 MA's), (12, 50696),

Gene: Anon_100 Start: 51058, Stop: 50876, Start Num: 8

Candidate Starts for Anon_100:

(6, 51070), (Start: 8 @51058 has 9 MA's), (10, 51022),

Gene: Battleship_101 Start: 50527, Stop: 50345, Start Num: 8

Candidate Starts for Battleship_101:

(Start: 8 @50527 has 9 MA's), (9, 50509), (10, 50491), (12, 50356),

Gene: Boohoo_99 Start: 50187, Stop: 50002, Start Num: 7

Candidate Starts for Boohoo_99:

(1, 50274), (4, 50241), (Start: 7 @50187 has 11 MA's), (12, 50013),

Gene: CherryTomatoes_205 Start: 139936, Stop: 140175, Start Num: 5

Candidate Starts for CherryTomatoes_205:
(2, 139894), (Start: 5 @139936 has 3 MA's), (10, 139990), (11, 140113),

Gene: DekHockey33_101 Start: 50740, Stop: 50558, Start Num: 8
Candidate Starts for DekHockey33_101:
(Start: 8 @50740 has 9 MA's), (9, 50722), (10, 50704), (12, 50569),

Gene: Epsocamisio_98 Start: 50543, Stop: 50361, Start Num: 8
Candidate Starts for Epsocamisio_98:
(Start: 8 @50543 has 9 MA's), (10, 50507), (12, 50372),

Gene: JSwag_101 Start: 50394, Stop: 50209, Start Num: 7
Candidate Starts for JSwag_101:
(1, 50481), (4, 50448), (Start: 7 @50394 has 11 MA's), (12, 50220),

Gene: KatherineG_99 Start: 50695, Stop: 50510, Start Num: 7
Candidate Starts for KatherineG_99:
(1, 50782), (3, 50752), (4, 50749), (Start: 7 @50695 has 11 MA's), (12, 50521),

Gene: LastResort_98 Start: 50628, Stop: 50443, Start Num: 7
Candidate Starts for LastResort_98:
(1, 50715), (4, 50682), (Start: 7 @50628 has 11 MA's), (12, 50454),

Gene: Looper_97 Start: 49477, Stop: 49292, Start Num: 7
Candidate Starts for Looper_97:
(1, 49564), (4, 49531), (Start: 7 @49477 has 11 MA's), (12, 49303),

Gene: MinecraftSteve_99 Start: 50323, Stop: 50141, Start Num: 8
Candidate Starts for MinecraftSteve_99:
(Start: 8 @50323 has 9 MA's), (9, 50305), (10, 50287), (12, 50152),

Gene: Nebulosus_97 Start: 50185, Stop: 50000, Start Num: 7
Candidate Starts for Nebulosus_97:
(1, 50272), (4, 50239), (Start: 7 @50185 has 11 MA's), (12, 50011),

Gene: Oofda_99 Start: 50749, Stop: 50567, Start Num: 8
Candidate Starts for Oofda_99:
(Start: 8 @50749 has 9 MA's), (10, 50713),

Gene: Pupper_203 Start: 139798, Stop: 140037, Start Num: 5
Candidate Starts for Pupper_203:
(2, 139756), (Start: 5 @139798 has 3 MA's), (10, 139852), (11, 139975),

Gene: ReMo_98 Start: 50611, Stop: 50426, Start Num: 7
Candidate Starts for ReMo_98:
(1, 50698), (4, 50665), (Start: 7 @50611 has 11 MA's), (12, 50437),

Gene: Remus_100 Start: 51017, Stop: 50835, Start Num: 8
Candidate Starts for Remus_100:
(Start: 8 @51017 has 9 MA's), (9, 50999), (10, 50981), (12, 50846),

Gene: Rosalind_99 Start: 50456, Stop: 50274, Start Num: 8
Candidate Starts for Rosalind_99:

(Start: 8 @50456 has 9 MA's), (9, 50438), (10, 50420), (12, 50285),

Gene: SCentae_202 Start: 139989, Stop: 140228, Start Num: 5

Candidate Starts for SCentae_202:

(2, 139947), (Start: 5 @139989 has 3 MA's), (10, 140043), (11, 140166),

Gene: ShayRa_98 Start: 49243, Stop: 49058, Start Num: 7

Candidate Starts for ShayRa_98:

(1, 49330), (3, 49300), (4, 49297), (Start: 7 @49243 has 11 MA's), (12, 49069),

Gene: Soups_100 Start: 50936, Stop: 50751, Start Num: 7

Candidate Starts for Soups_100:

(1, 51023), (4, 50990), (Start: 7 @50936 has 11 MA's), (12, 50762),

Gene: Strosahl_100 Start: 51017, Stop: 50835, Start Num: 8

Candidate Starts for Strosahl_100:

(Start: 8 @51017 has 9 MA's), (9, 50999), (10, 50981), (12, 50846),

Gene: Switzerland_98 Start: 50212, Stop: 50027, Start Num: 7

Candidate Starts for Switzerland_98:

(1, 50299), (3, 50269), (4, 50266), (Start: 7 @50212 has 11 MA's), (12, 50038),

Gene: Waits_98 Start: 50630, Stop: 50448, Start Num: 8

Candidate Starts for Waits_98:

(Start: 8 @50630 has 9 MA's), (9, 50612), (10, 50594), (12, 50459),