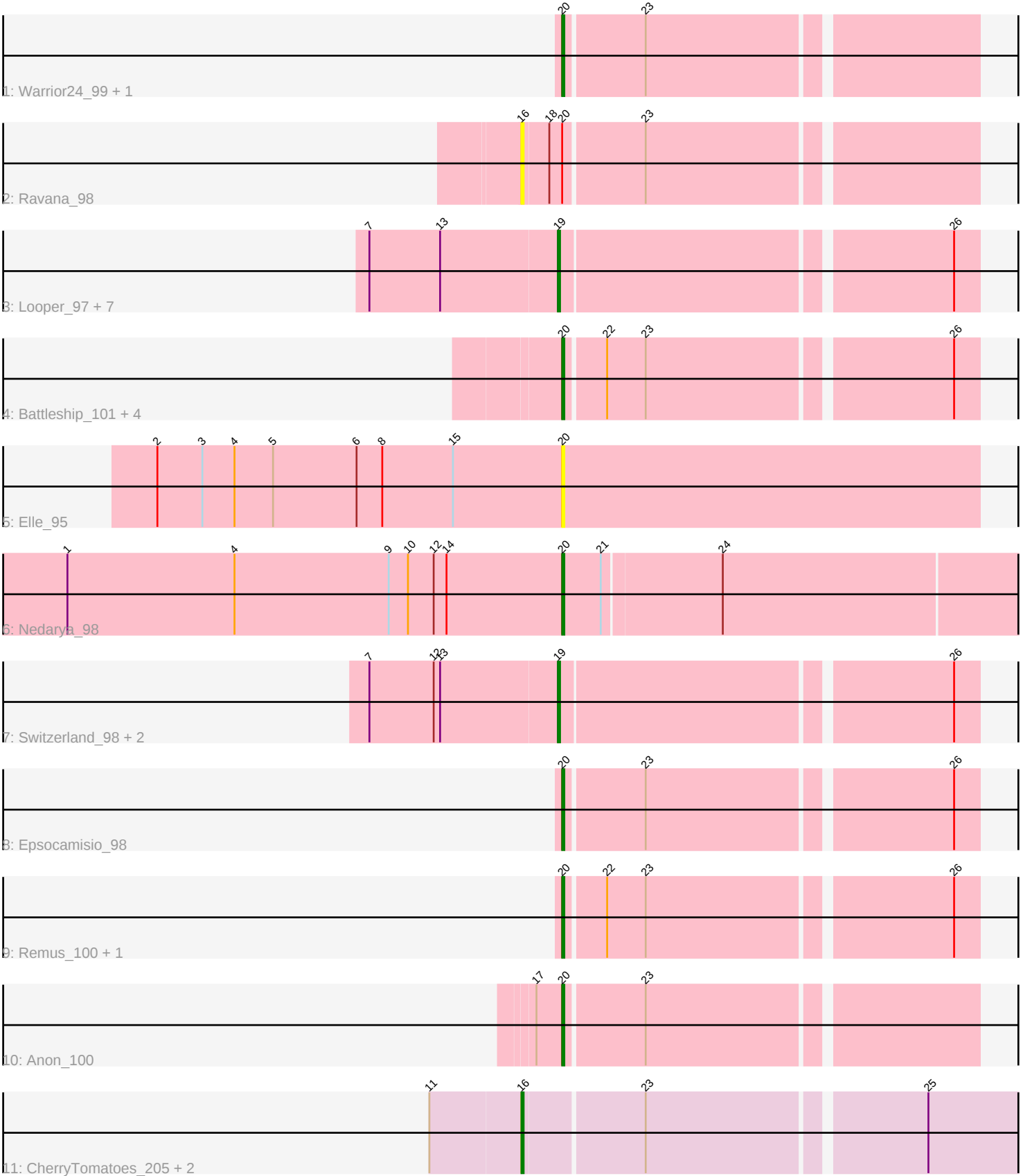


Pham 276433



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 276433 Report

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

Pham number 276433 has 28 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Warrior24_99, Oofda_98
- Track 2 : Ravana_98
- Track 3 : Looper_97, ReMo_98, LastResort_98, Nebulosus_97, JSwag_101, Soups_100, Boohoo_99, Anaysia_100
- Track 4 : Battleship_101, Rosalind_99, Waits_98, MinecraftSteve_99, DekHockey33_101
- Track 5 : Elle_95
- Track 6 : Nedarya_98
- Track 7 : Switzerland_98, KatherineG_99, ShayRa_98
- Track 8 : Epsocamisio_98
- Track 9 : Remus_100, Strosahl_100
- Track 10 : Anon_100
- Track 11 : 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 20, it was called in 12 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anon_100, Battleship_101, DekHockey33_101, Elle_95, Epsocamisio_98, MinecraftSteve_99, Nedarya_98, Oofda_98, Remus_100, Rosalind_99, Strosahl_100, Waits_98, Warrior24_99,

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

- Ravana_98,

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

- Anaysia_100, Boohoo_99, CherryTomatoes_205, JSwag_101, KatherineG_99, LastResort_98, Looper_97, Nebulosus_97, Pupper_203, ReMo_98, SCentae_202, ShayRa_98, Soups_100, Switzerland_98,

Summary by start number:

Start 16:

- Found in 4 of 28 (14.3%) of genes in pham
- Manual Annotations of this start: 3 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_205 (DO), Pupper_203 (DO), Ravana_98 (A15), SCentae_202 (DO),

Start 19:

- Found in 11 of 28 (39.3%) of genes in pham
- Manual Annotations of this start: 11 of 26
- 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 20:

- Found in 14 of 28 (50.0%) of genes in pham
- Manual Annotations of this start: 12 of 26
- Called 92.9% of time when present
- Phage (with cluster) where this start called: Anon_100 (A15), Battleship_101 (A15), DekHockey33_101 (A15), Elle_95 (A15), Epsocamisio_98 (A15), MinecraftSteve_99 (A15), Nedarya_98 (A15), Oofda_98 (A15), Remus_100 (A15), Rosalind_99 (A15), Strosahl_100 (A15), Waits_98 (A15), Warrior24_99 (A15),

Summary by clusters:

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

Info for manual annotations of cluster A15:

- Start number 19 was manually annotated 11 times for cluster A15.
- Start number 20 was manually annotated 12 times for cluster A15.

Info for manual annotations of cluster DO:

- Start number 16 was manually annotated 3 times for cluster DO.

Gene Information:

Gene: Anaysia_100 Start: 50870, Stop: 50685, Start Num: 19

Candidate Starts for Anaysia_100:

(7, 50957), (13, 50924), (Start: 19 @50870 has 11 MA's), (26, 50696),

Gene: Anon_100 Start: 51058, Stop: 50876, Start Num: 20

Candidate Starts for Anon_100:

(17, 51070), (Start: 20 @51058 has 12 MA's), (23, 51022),

Gene: Battleship_101 Start: 50527, Stop: 50345, Start Num: 20

Candidate Starts for Battleship_101:

(Start: 20 @50527 has 12 MA's), (22, 50509), (23, 50491), (26, 50356),

Gene: Boohoo_99 Start: 50187, Stop: 50002, Start Num: 19

Candidate Starts for Boohoo_99:

(7, 50274), (13, 50241), (Start: 19 @50187 has 11 MA's), (26, 50013),

Gene: CherryTomatoes_205 Start: 139936, Stop: 140175, Start Num: 16

Candidate Starts for CherryTomatoes_205:

(11, 139894), (Start: 16 @139936 has 3 MA's), (23, 139990), (25, 140113),

Gene: DekHockey33_101 Start: 50740, Stop: 50558, Start Num: 20

Candidate Starts for DekHockey33_101:

(Start: 20 @50740 has 12 MA's), (22, 50722), (23, 50704), (26, 50569),

Gene: Elle_95 Start: 49967, Stop: 49773, Start Num: 20

Candidate Starts for Elle_95:

(2, 50156), (3, 50135), (4, 50120), (5, 50102), (6, 50063), (8, 50051), (15, 50018), (Start: 20 @49967 has 12 MA's),

Gene: Epsocamisio_98 Start: 50543, Stop: 50361, Start Num: 20

Candidate Starts for Epsocamisio_98:

(Start: 20 @50543 has 12 MA's), (23, 50507), (26, 50372),

Gene: JSwag_101 Start: 50394, Stop: 50209, Start Num: 19

Candidate Starts for JSwag_101:

(7, 50481), (13, 50448), (Start: 19 @50394 has 11 MA's), (26, 50220),

Gene: KatherineG_99 Start: 50695, Stop: 50510, Start Num: 19

Candidate Starts for KatherineG_99:

(7, 50782), (12, 50752), (13, 50749), (Start: 19 @50695 has 11 MA's), (26, 50521),

Gene: LastResort_98 Start: 50628, Stop: 50443, Start Num: 19

Candidate Starts for LastResort_98:

(7, 50715), (13, 50682), (Start: 19 @50628 has 11 MA's), (26, 50454),

Gene: Looper_97 Start: 49477, Stop: 49292, Start Num: 19

Candidate Starts for Looper_97:

(7, 49564), (13, 49531), (Start: 19 @49477 has 11 MA's), (26, 49303),

Gene: MinecraftSteve_99 Start: 50323, Stop: 50141, Start Num: 20

Candidate Starts for MinecraftSteve_99:

(Start: 20 @50323 has 12 MA's), (22, 50305), (23, 50287), (26, 50152),

Gene: Nebulosus_97 Start: 50185, Stop: 50000, Start Num: 19

Candidate Starts for Nebulosus_97:

(7, 50272), (13, 50239), (Start: 19 @50185 has 11 MA's), (26, 50011),

Gene: Nedarya_98 Start: 51145, Stop: 50927, Start Num: 20

Candidate Starts for Nedarya_98:

(1, 51376), (4, 51298), (9, 51226), (10, 51217), (12, 51205), (14, 51199), (Start: 20 @51145 has 12 MA's), (21, 51127), (24, 51073),

Gene: Oofda_98 Start: 50749, Stop: 50567, Start Num: 20

Candidate Starts for Oofda_98:

(Start: 20 @50749 has 12 MA's), (23, 50713),

Gene: Pupper_203 Start: 139798, Stop: 140037, Start Num: 16
Candidate Starts for Pupper_203:
(11, 139756), (Start: 16 @139798 has 3 MA's), (23, 139852), (25, 139975),

Gene: Ravana_98 Start: 50876, Stop: 50676, Start Num: 16
Candidate Starts for Ravana_98:
(Start: 16 @50876 has 3 MA's), (18, 50864), (Start: 20 @50858 has 12 MA's), (23, 50822),

Gene: ReMo_98 Start: 50611, Stop: 50426, Start Num: 19
Candidate Starts for ReMo_98:
(7, 50698), (13, 50665), (Start: 19 @50611 has 11 MA's), (26, 50437),

Gene: Remus_100 Start: 51017, Stop: 50835, Start Num: 20
Candidate Starts for Remus_100:
(Start: 20 @51017 has 12 MA's), (22, 50999), (23, 50981), (26, 50846),

Gene: Rosalind_99 Start: 50456, Stop: 50274, Start Num: 20
Candidate Starts for Rosalind_99:
(Start: 20 @50456 has 12 MA's), (22, 50438), (23, 50420), (26, 50285),

Gene: SCentae_202 Start: 139989, Stop: 140228, Start Num: 16
Candidate Starts for SCentae_202:
(11, 139947), (Start: 16 @139989 has 3 MA's), (23, 140043), (25, 140166),

Gene: ShayRa_98 Start: 49243, Stop: 49058, Start Num: 19
Candidate Starts for ShayRa_98:
(7, 49330), (12, 49300), (13, 49297), (Start: 19 @49243 has 11 MA's), (26, 49069),

Gene: Soups_100 Start: 50936, Stop: 50751, Start Num: 19
Candidate Starts for Soups_100:
(7, 51023), (13, 50990), (Start: 19 @50936 has 11 MA's), (26, 50762),

Gene: Strosahl_100 Start: 51017, Stop: 50835, Start Num: 20
Candidate Starts for Strosahl_100:
(Start: 20 @51017 has 12 MA's), (22, 50999), (23, 50981), (26, 50846),

Gene: Switzerland_98 Start: 50212, Stop: 50027, Start Num: 19
Candidate Starts for Switzerland_98:
(7, 50299), (12, 50269), (13, 50266), (Start: 19 @50212 has 11 MA's), (26, 50038),

Gene: Waits_98 Start: 50630, Stop: 50448, Start Num: 20
Candidate Starts for Waits_98:
(Start: 20 @50630 has 12 MA's), (22, 50612), (23, 50594), (26, 50459),

Gene: Warrior24_99 Start: 51044, Stop: 50862, Start Num: 20
Candidate Starts for Warrior24_99:
(Start: 20 @51044 has 12 MA's), (23, 51008),