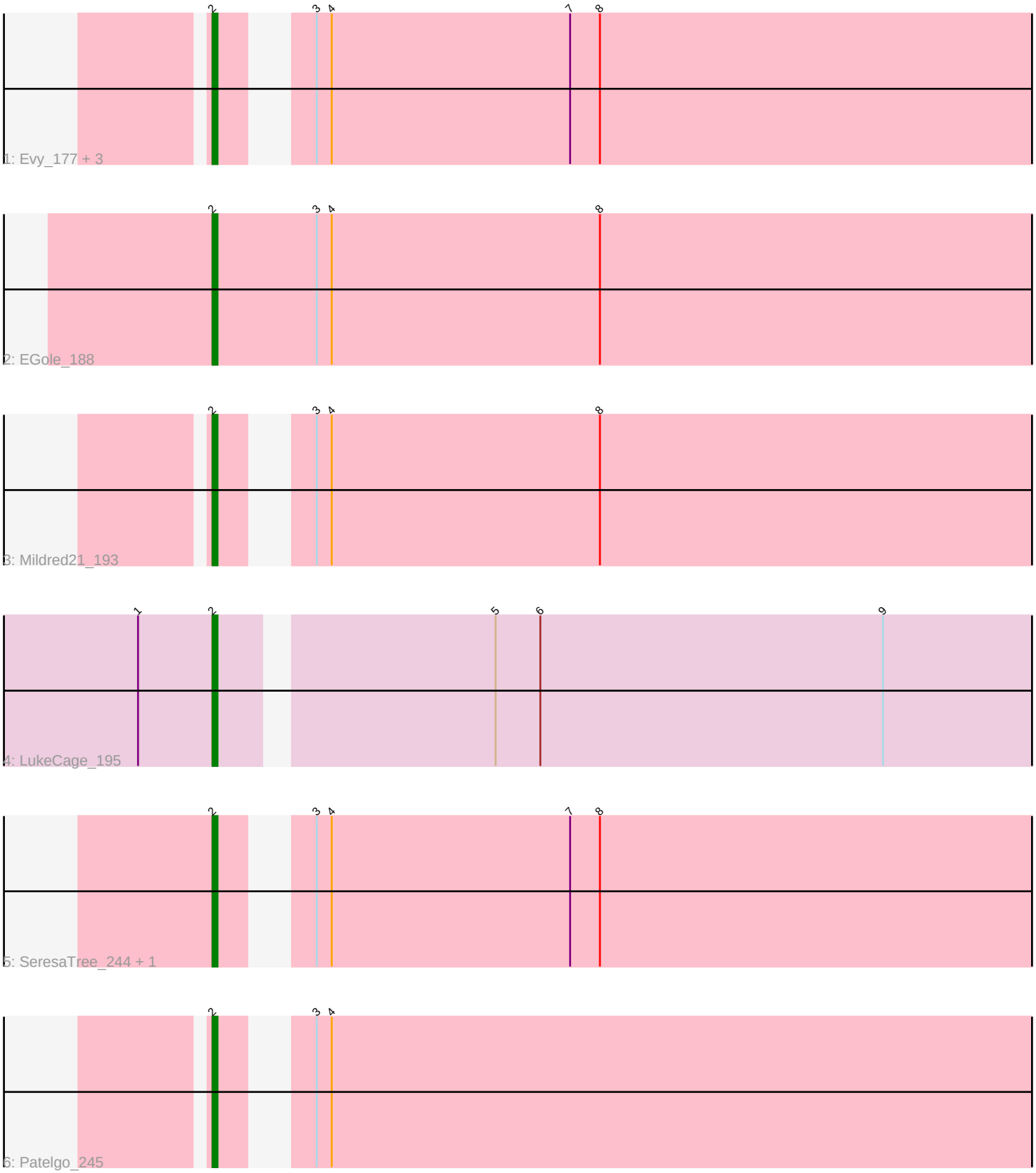
# Pham 28120


2
3
4
7
8
1: Evy_177 + 3
2
3
4
8
2: EGole_188
2
3
4
8
3: Mildred21_193
1
2
5
6
9
4: LukeCage_195
2
3
4
7
8
5: SeresaTree_244 + 1
2
3
4
6: Patelgo_245

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 28120 Report

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

Pham number 28120 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Evy_177, Persimmon_186, Warpy_188, WhereRU_190
• Track 2 : EGole_188
• Track 3 : Mildred21_193
• Track 4 : LukeCage_195
• Track 5 : SeresaTree_244, Faust_240
• Track 6 : Patelgo_245

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

The start number called the most often in the published annotations is 2, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EGole_188, Evy_177, Faust_240, LukeCage_195, Mildred21_193, Patelgo_245, Persimmon_186, SeresaTree_244, Warpy_188, WhereRU_190,

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

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

**Summary by start number:**

Start 2:
• Found in 10 of 10 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EGole_188 (BE1), Evy_177 (BE1), Faust_240 (BK1), LukeCage_195 (BE2), Mildred21_193 (BE1), Patelgo_245 (BK1), Persimmon_186 (BE1), SeresaTree_244 (BK1), Warpy_188 (BE1), WhereRU_190 (BE1),

**Summary by clusters:**

There are 3 clusters represented in this pham: BE2, BE1, BK1,

Info for manual annotations of cluster BE1:
•Start number 2 was manually annotated 5 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 2 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BK1:
•Start number 2 was manually annotated 2 times for cluster BK1.

***Gene Information:***

Gene: EGole_188 Start: 100589, Stop: 100774, Start Num: 2
Candidate Starts for EGole_188:
(Start: 2 @100589 has 8 MA's), (3, 100610), (4, 100613), (8, 100667),

Gene: Evy_177 Start: 98776, Stop: 98952, Start Num: 2
Candidate Starts for Evy_177:
(Start: 2 @98776 has 8 MA's), (3, 98788), (4, 98791), (7, 98839), (8, 98845),

Gene: Faust_240 Start: 117083, Stop: 117265, Start Num: 2
Candidate Starts for Faust_240:
(Start: 2 @117083 has 8 MA's), (3, 117095), (4, 117098), (7, 117146), (8, 117152),

Gene: LukeCage_195 Start: 99567, Stop: 99746, Start Num: 2
Candidate Starts for LukeCage_195:
(1, 99552), (Start: 2 @99567 has 8 MA's), (5, 99618), (6, 99627), (9, 99696),

Gene: Mildred21_193 Start: 96920, Stop: 97096, Start Num: 2
Candidate Starts for Mildred21_193:
(Start: 2 @96920 has 8 MA's), (3, 96932), (4, 96935), (8, 96989),

Gene: Patelgo_245 Start: 118441, Stop: 118617, Start Num: 2
Candidate Starts for Patelgo_245:
(Start: 2 @118441 has 8 MA's), (3, 118453), (4, 118456),

Gene: Persimmon_186 Start: 97394, Stop: 97570, Start Num: 2
Candidate Starts for Persimmon_186:
(Start: 2 @97394 has 8 MA's), (3, 97406), (4, 97409), (7, 97457), (8, 97463),

Gene: SeresaTree_244 Start: 117308, Stop: 117490, Start Num: 2
Candidate Starts for SeresaTree_244:
(Start: 2 @117308 has 8 MA's), (3, 117320), (4, 117323), (7, 117371), (8, 117377),

Gene: Warpy_188 Start: 98719, Stop: 98895, Start Num: 2
Candidate Starts for Warpy_188:
(Start: 2 @98719 has 8 MA's), (3, 98731), (4, 98734), (7, 98782), (8, 98788),

Gene: WhereRU_190 Start: 98146, Stop: 98322, Start Num: 2

Candidate Starts for WhereRU_190:
(Start: 2 @98146 has 8 MA's), (3, 98158), (4, 98161), (7, 98209), (8, 98215),