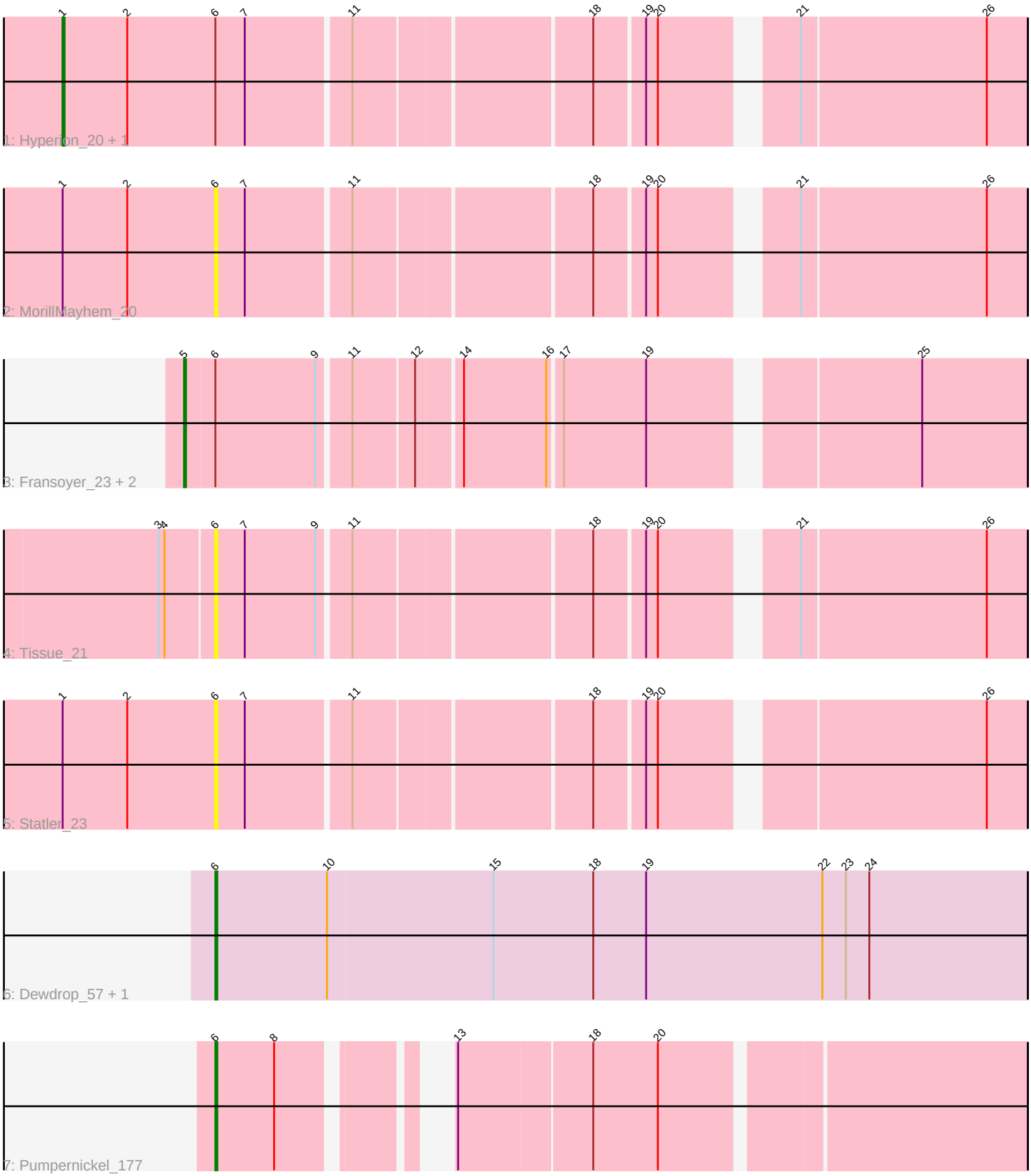
Pham 216750


1
2
6
7
11
18
19
20
21
26
1: Hyperion_20 + 1
1
2
6
7
11
18
19
20
21
26
2: MorillMayhem_20
5
6
9
11
12
14
16
17
19
25
3: Fransoyer_23 + 2
3
4
6
7
9
11
18
19
20
21
26
4: Tissue_21
1
2
6
7
11
18
19
20
26
5: Statler_23
6
10
15
18
19
22
23
24
6: Dewdrop_57 + 1
6
8
13
18
20
7: Pumpernickel_177

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 216750 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216750 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Hyperion_20, Mashley_19
• Track 2 : MorillMayhem_20
• Track 3 : Fransoyer_23, RubyRalph_23, SadLad_24
• Track 4 : Tissue_21
• Track 5 : Statler_23
• Track 6 : Dewdrop_57, Leaf_57
• Track 7 : Pumpernickel_177

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

The start number called the most often in the published annotations is 6, it was called in 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dewdrop_57, Leaf_57, MorillMayhem_20, Pumpernickel_177, Statler_23, Tissue_21,

Genes that have the "Most Annotated" start but do not call it:
• Fransoyer_23, Hyperion_20, Mashley_19, RubyRalph_23, SadLad_24,

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

Summary by start number:

Start 1:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Hyperion_20 (EG), Mashley_19 (EG),

Start 5:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 3 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fransoyer_23 (EG), RubyRalph_23 (EG), SadLad_24 (EG),

Start 6:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 54.5% of time when present
• Phage (with cluster) where this start called: Dewdrop_57 (GC), Leaf_57 (GC), MorillMayhem_20 (EG), Pumpernickel_177 (GD4), Statler_23 (EG), Tissue_21 (EG),

Summary by clusters:

There are 3 clusters represented in this pham: GD4, EG, GC,

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

Info for manual annotations of cluster GC:
•Start number 6 was manually annotated 2 times for cluster GC.

Info for manual annotations of cluster GD4:
•Start number 6 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: Dewdrop_57 Start: 24658, Stop: 25071, Start Num: 6
Candidate Starts for Dewdrop_57:
(Start: 6 @24658 has 3 MA's), (10, 24715), (15, 24799), (18, 24850), (19, 24877), (22, 24967), (23, 24979), (24, 24991),

Gene: Fransoyer_23 Start: 8495, Stop: 8893, Start Num: 5
Candidate Starts for Fransoyer_23:
(Start: 5 @8495 has 3 MA's), (Start: 6 @8510 has 3 MA's), (9, 8561), (11, 8576), (12, 8606), (14, 8627), (16, 8669), (17, 8675), (19, 8717), (25, 8840),

Gene: Hyperion_20 Start: 8194, Stop: 8652, Start Num: 1
Candidate Starts for Hyperion_20:
(Start: 1 @8194 has 2 MA's), (2, 8227), (Start: 6 @8272 has 3 MA's), (7, 8287), (11, 8338), (18, 8452), (19, 8476), (20, 8482), (21, 8539), (26, 8632),

Gene: Leaf_57 Start: 24658, Stop: 25071, Start Num: 6
Candidate Starts for Leaf_57:
(Start: 6 @24658 has 3 MA's), (10, 24715), (15, 24799), (18, 24850), (19, 24877), (22, 24967), (23, 24979), (24, 24991),

Gene: Mashley_19 Start: 8005, Stop: 8463, Start Num: 1
Candidate Starts for Mashley_19:
(Start: 1 @8005 has 2 MA's), (2, 8038), (Start: 6 @8083 has 3 MA's), (7, 8098), (11, 8149), (18, 8263), (19, 8287), (20, 8293), (21, 8350), (26, 8443),

Gene: MorillMayhem_20 Start: 8091, Stop: 8471, Start Num: 6
Candidate Starts for MorillMayhem_20:
(Start: 1 @8013 has 2 MA's), (2, 8046), (Start: 6 @8091 has 3 MA's), (7, 8106), (11, 8157), (18, 8271), (19, 8295), (20, 8301), (21, 8358), (26, 8451),

Gene: Pumpernickel_177 Start: 101023, Stop: 101388, Start Num: 6
Candidate Starts for Pumpernickel_177:
(Start: 6 @101023 has 3 MA's), (8, 101053), (13, 101113), (18, 101179), (20, 101212),

Gene: RubyRalph_23 Start: 8429, Stop: 8827, Start Num: 5
Candidate Starts for RubyRalph_23:
(Start: 5 @8429 has 3 MA's), (Start: 6 @8444 has 3 MA's), (9, 8495), (11, 8510), (12, 8540), (14, 8561), (16, 8603), (17, 8609), (19, 8651), (25, 8774),

Gene: SadLad_24 Start: 8886, Stop: 9284, Start Num: 5
Candidate Starts for SadLad_24:
(Start: 5 @8886 has 3 MA's), (Start: 6 @8901 has 3 MA's), (9, 8952), (11, 8967), (12, 8997), (14, 9018), (16, 9060), (17, 9066), (19, 9108), (25, 9231),

Gene: Statler_23 Start: 8569, Stop: 8949, Start Num: 6
Candidate Starts for Statler_23:
(Start: 1 @8491 has 2 MA's), (2, 8524), (Start: 6 @8569 has 3 MA's), (7, 8584), (11, 8635), (18, 8749), (19, 8773), (20, 8779), (26, 8929),

Gene: Tissue_21 Start: 8398, Stop: 8778, Start Num: 6
Candidate Starts for Tissue_21:
(3, 8371), (4, 8374), (Start: 6 @8398 has 3 MA's), (7, 8413), (9, 8449), (11, 8464), (18, 8578), (19, 8602), (20, 8608), (21, 8665), (26, 8758),