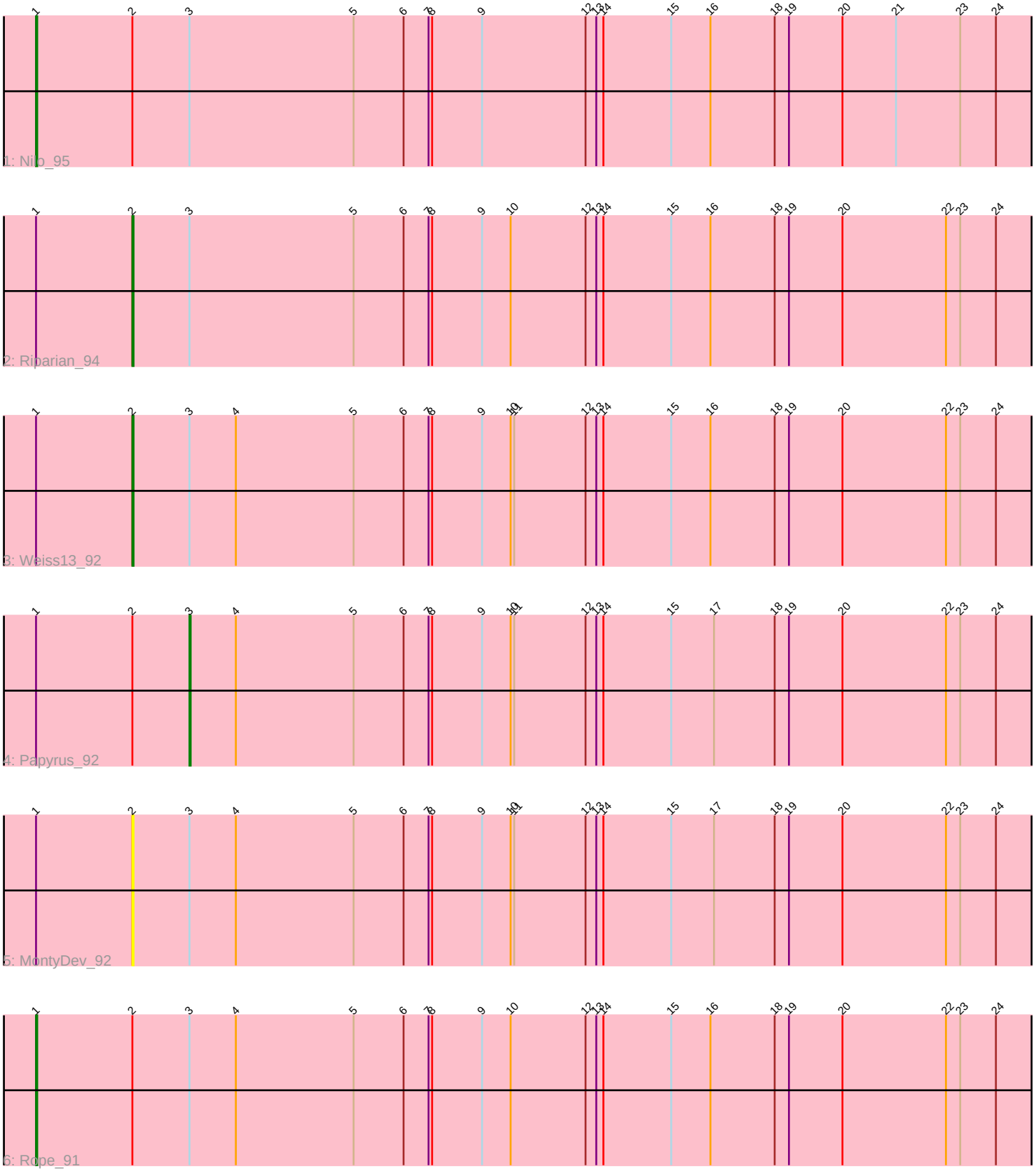
Pham 8712


1: Nilo_95
2: Riparian_94
3: Weiss13_92
4: Papyrus_92
5: MontyDev_92
6: Rope_91

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 8712 Report

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

Pham number 8712 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Nilo_95
• Track 2 : Riparian_94
• Track 3 : Weiss13_92
• Track 4 : Papyrus_92
• Track 5 : MontyDev_92
• Track 6 : Rope_91

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

The start number called the most often in the published annotations is 1, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Nilo_95, Rope_91,

Genes that have the "Most Annotated" start but do not call it:
• MontyDev_92, Papyrus_92, Riparian_94, Weiss13_92,

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

Summary by start number:

Start 1:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Nilo_95 (R), Rope_91 (R),

Start 2:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 50.0% of time when present

• Phage (with cluster) where this start called: MontyDev_92 (R), Riparian_94 (R), Weiss13_92 (R),

Start 3:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Papyrus_92 (R),

Summary by clusters:

There is one cluster represented in this pham: R

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

Gene Information:

Gene: MontyDev_92 Start: 68063, Stop: 68890, Start Num: 2
Candidate Starts for MontyDev_92:
(Start: 1 @67982 has 2 MA's), (Start: 2 @68063 has 2 MA's), (Start: 3 @68111 has 1 MA's), (4, 68150), (5, 68249), (6, 68291), (7, 68312), (8, 68315), (9, 68357), (10, 68381), (11, 68384), (12, 68444), (13, 68453), (14, 68459), (15, 68516), (17, 68552), (18, 68603), (19, 68615), (20, 68660), (22, 68747), (23, 68759), (24, 68789),

Gene: Nilo_95 Start: 68482, Stop: 69390, Start Num: 1
Candidate Starts for Nilo_95:
(Start: 1 @68482 has 2 MA's), (Start: 2 @68563 has 2 MA's), (Start: 3 @68611 has 1 MA's), (5, 68749), (6, 68791), (7, 68812), (8, 68815), (9, 68857), (12, 68944), (13, 68953), (14, 68959), (15, 69016), (16, 69049), (18, 69103), (19, 69115), (20, 69160), (21, 69205), (23, 69259), (24, 69289),

Gene: Papyrus_92 Start: 67544, Stop: 68323, Start Num: 3
Candidate Starts for Papyrus_92:
(Start: 1 @67415 has 2 MA's), (Start: 2 @67496 has 2 MA's), (Start: 3 @67544 has 1 MA's), (4, 67583), (5, 67682), (6, 67724), (7, 67745), (8, 67748), (9, 67790), (10, 67814), (11, 67817), (12, 67877), (13, 67886), (14, 67892), (15, 67949), (17, 67985), (18, 68036), (19, 68048), (20, 68093), (22, 68180), (23, 68192), (24, 68222),

Gene: Riparian_94 Start: 68008, Stop: 68835, Start Num: 2
Candidate Starts for Riparian_94:
(Start: 1 @67927 has 2 MA's), (Start: 2 @68008 has 2 MA's), (Start: 3 @68056 has 1 MA's), (5, 68194), (6, 68236), (7, 68257), (8, 68260), (9, 68302), (10, 68326), (12, 68389), (13, 68398), (14, 68404), (15, 68461), (16, 68494), (18, 68548), (19, 68560), (20, 68605), (22, 68692), (23, 68704), (24, 68734),

Gene: Rope_91 Start: 67734, Stop: 68642, Start Num: 1
Candidate Starts for Rope_91:
(Start: 1 @67734 has 2 MA's), (Start: 2 @67815 has 2 MA's), (Start: 3 @67863 has 1 MA's), (4, 67902), (5, 68001), (6, 68043), (7, 68064), (8, 68067), (9, 68109), (10, 68133), (12, 68196), (13,

68205), (14, 68211), (15, 68268), (16, 68301), (18, 68355), (19, 68367), (20, 68412), (22, 68499), (23, 68511), (24, 68541),

Gene: Weiss13_92 Start: 68245, Stop: 69072, Start Num: 2
Candidate Starts for Weiss13_92:
(Start: 1 @68164 has 2 MA's), (Start: 2 @68245 has 2 MA's), (Start: 3 @68293 has 1 MA's), (4, 68332), (5, 68431), (6, 68473), (7, 68494), (8, 68497), (9, 68539), (10, 68563), (11, 68566), (12, 68626), (13, 68635), (14, 68641), (15, 68698), (16, 68731), (18, 68785), (19, 68797), (20, 68842), (22, 68929), (23, 68941), (24, 68971),