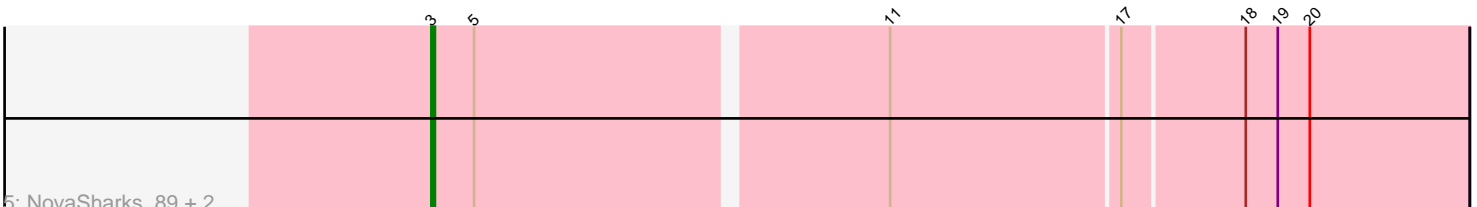
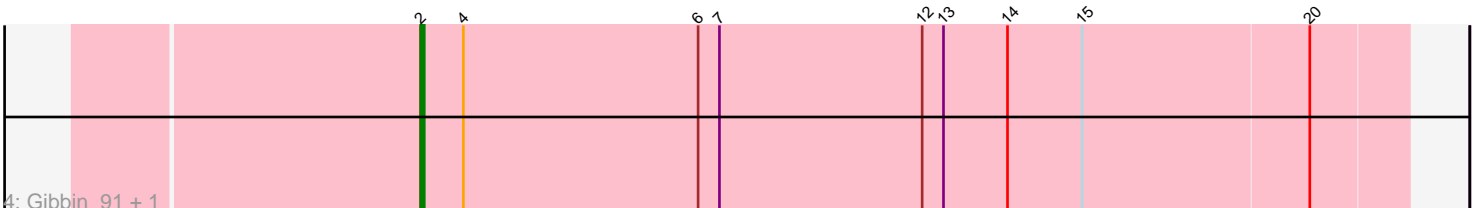
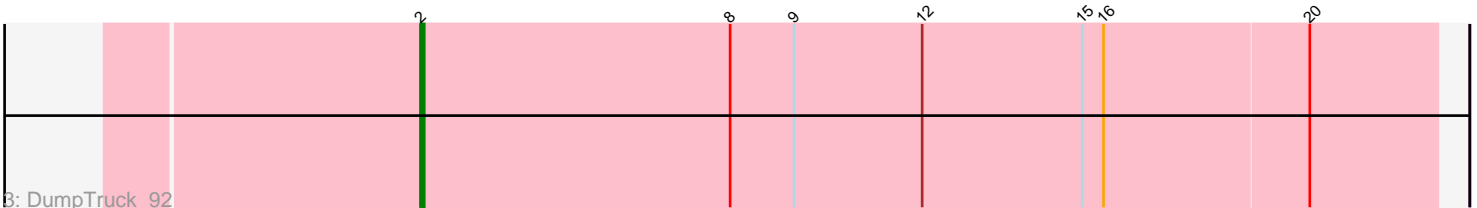
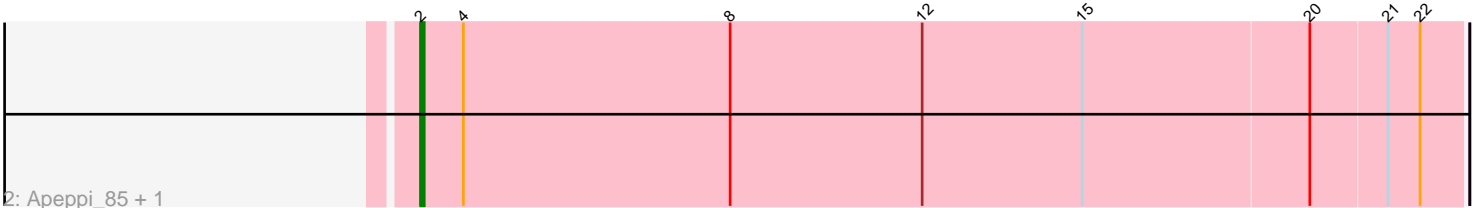
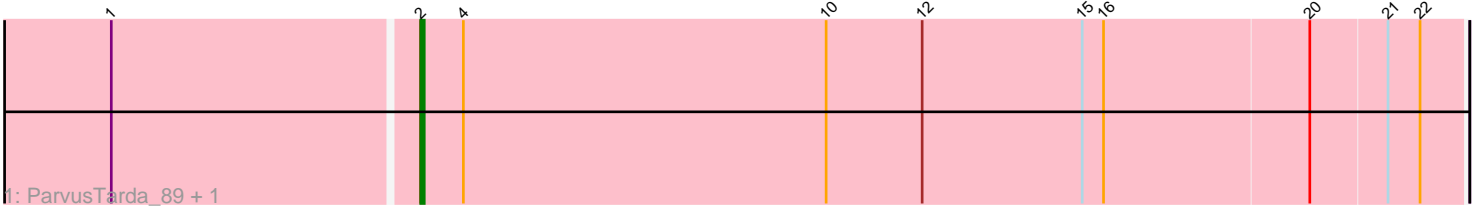


Pham 87531



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 87531 Report

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

Pham number 87531 has 14 members, 2 are drafts.

Phages represented in each track:

- Track 1 : ParvusTarda_89, NorManre_94
- Track 2 : Apeppi_85, LuckyLeo_87
- Track 3 : DumpTruck_92
- Track 4 : Gibbin_91, Zany_88
- Track 5 : NovaSharks_89, Jalebi_89, Sampudon_91
- Track 6 : GretelLyn_89, Penjamin420_91
- Track 7 : Fulcrum_89, GOATification_89

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 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Apeppi_85, DumpTruck_92, Fulcrum_89, GOATification_89, Gibbin_91, GretelLyn_89, LuckyLeo_87, NorManre_94, ParvusTarda_89, Penjamin420_91, Zany_88,

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

-

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

- Jalebi_89, NovaSharks_89, Sampudon_91,

Summary by start number:

Start 2:

- Found in 11 of 14 (78.6%) of genes in pham
- Manual Annotations of this start: 9 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apeppi_85 (DV), DumpTruck_92 (DV), Fulcrum_89 (DV), GOATification_89 (DV), Gibbin_91 (DV), GretelLyn_89 (DV), LuckyLeo_87 (DV), NorManre_94 (DV), ParvusTarda_89 (DV), Penjamin420_91 (DV), Zany_88 (DV),

Start 3:

- Found in 3 of 14 (21.4%) of genes in pham
- Manual Annotations of this start: 3 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jalebi_89 (DV), NovaSharks_89 (DV), Sampudon_91 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:

- Start number 2 was manually annotated 9 times for cluster DV.
- Start number 3 was manually annotated 3 times for cluster DV.

Gene Information:

Gene: Apeppi_85 Start: 62869, Stop: 63159, Start Num: 2

Candidate Starts for Apeppi_85:

(Start: 2 @62869 has 9 MA's), (4, 62881), (8, 62956), (12, 63010), (15, 63055), (20, 63118), (21, 63139), (22, 63148),

Gene: DumpTruck_92 Start: 63151, Stop: 63435, Start Num: 2

Candidate Starts for DumpTruck_92:

(Start: 2 @63151 has 9 MA's), (8, 63238), (9, 63256), (12, 63292), (15, 63337), (16, 63343), (20, 63400),

Gene: Fulcrum_89 Start: 63177, Stop: 63467, Start Num: 2

Candidate Starts for Fulcrum_89:

(Start: 2 @63177 has 9 MA's), (4, 63189), (10, 63291), (15, 63363), (20, 63426), (21, 63447), (22, 63456),

Gene: GOATification_89 Start: 63177, Stop: 63467, Start Num: 2

Candidate Starts for GOATification_89:

(Start: 2 @63177 has 9 MA's), (4, 63189), (10, 63291), (15, 63363), (20, 63426), (21, 63447), (22, 63456),

Gene: Gibbin_91 Start: 63385, Stop: 63660, Start Num: 2

Candidate Starts for Gibbin_91:

(Start: 2 @63385 has 9 MA's), (4, 63397), (6, 63463), (7, 63469), (12, 63526), (13, 63532), (14, 63550), (15, 63571), (20, 63634),

Gene: Gretellyn_89 Start: 63245, Stop: 63487, Start Num: 2

Candidate Starts for Gretellyn_89:

(1, 63161), (Start: 2 @63245 has 9 MA's), (4, 63257), (10, 63359), (14, 63410), (20, 63461),

Gene: Jalebi_89 Start: 64133, Stop: 64402, Start Num: 3

Candidate Starts for Jalebi_89:

(Start: 3 @64133 has 3 MA's), (5, 64145), (11, 64256), (17, 64319), (18, 64352), (19, 64361), (20, 64370),

Gene: LuckyLeo_87 Start: 62869, Stop: 63159, Start Num: 2

Candidate Starts for LuckyLeo_87:

(Start: 2 @62869 has 9 MA's), (4, 62881), (8, 62956), (12, 63010), (15, 63055), (20, 63118), (21, 63139), (22, 63148),

Gene: NorManre_94 Start: 64475, Stop: 64765, Start Num: 2

Candidate Starts for NorManre_94:

(1, 64391), (Start: 2 @64475 has 9 MA's), (4, 64487), (10, 64589), (12, 64616), (15, 64661), (16, 64667), (20, 64724), (21, 64745), (22, 64754),

Gene: NovaSharks_89 Start: 61359, Stop: 61640, Start Num: 3

Candidate Starts for NovaSharks_89:

(Start: 3 @61359 has 3 MA's), (5, 61371), (11, 61482), (17, 61545), (18, 61578), (19, 61587), (20, 61596),

Gene: ParvusTarda_89 Start: 62559, Stop: 62849, Start Num: 2

Candidate Starts for ParvusTarda_89:

(1, 62475), (Start: 2 @62559 has 9 MA's), (4, 62571), (10, 62673), (12, 62700), (15, 62745), (16, 62751), (20, 62808), (21, 62829), (22, 62838),

Gene: Penjamin420_91 Start: 63248, Stop: 63490, Start Num: 2

Candidate Starts for Penjamin420_91:

(1, 63164), (Start: 2 @63248 has 9 MA's), (4, 63260), (10, 63362), (14, 63413), (20, 63464),

Gene: Sampudon_91 Start: 64132, Stop: 64401, Start Num: 3

Candidate Starts for Sampudon_91:

(Start: 3 @64132 has 3 MA's), (5, 64144), (11, 64255), (17, 64318), (18, 64351), (19, 64360), (20, 64369),

Gene: Zany_88 Start: 63895, Stop: 64170, Start Num: 2

Candidate Starts for Zany_88:

(Start: 2 @63895 has 9 MA's), (4, 63907), (6, 63973), (7, 63979), (12, 64036), (13, 64042), (14, 64060), (15, 64081), (20, 64144),