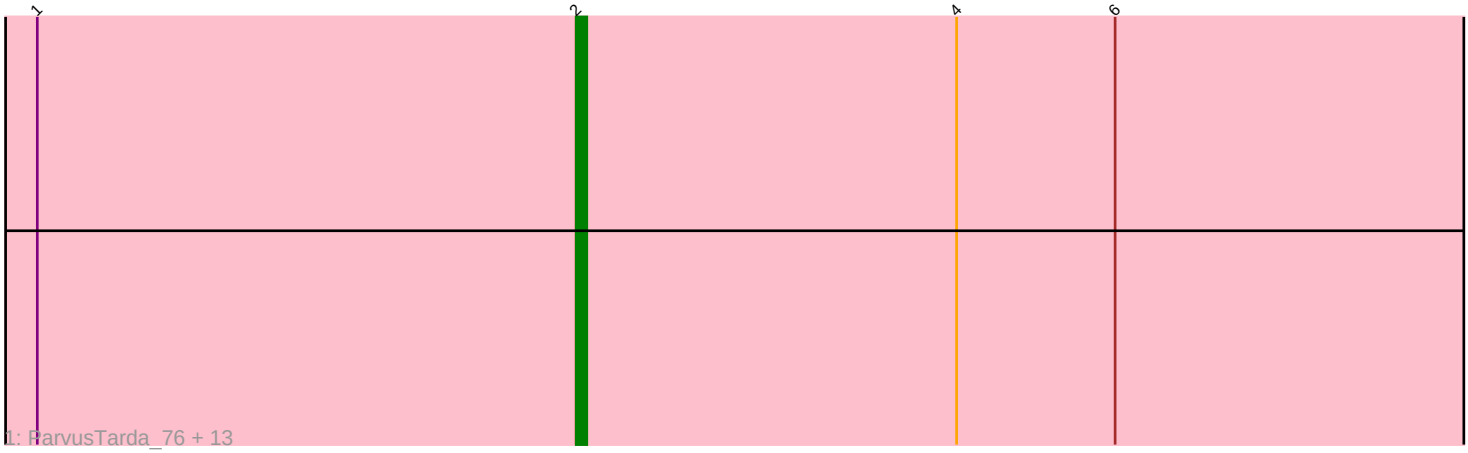
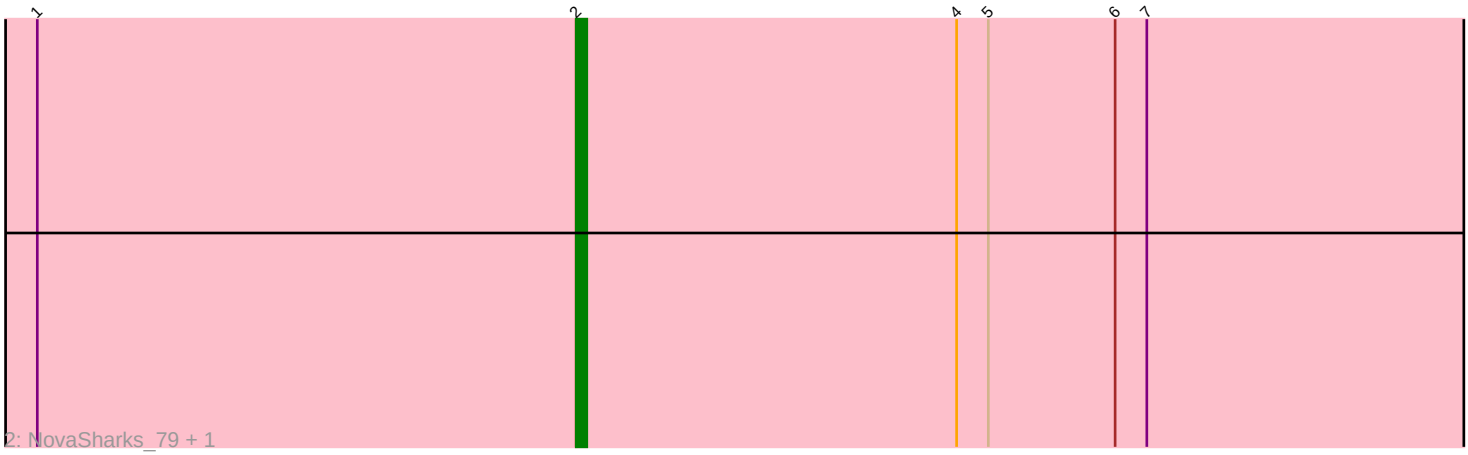
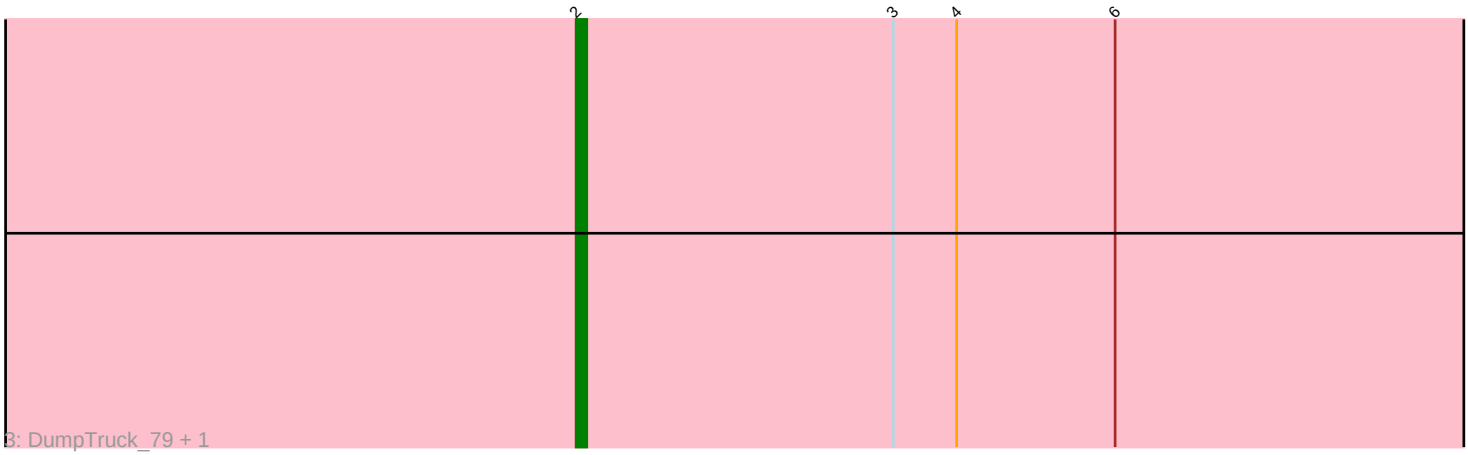
Pham 87094


1
2
4
6
1: RarvusTarda_76 + 13


1
2
4
5
6
7
2: NovaSharks_79 + 1


2
3
4
6
3: DumpTruck_79 + 1

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 87094 Report

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

Pham number 87094 has 18 members, 2 are drafts.

Phages represented in each track:
• Track 1 : ParvusTarda_76, GretelLyn_78, Ranch_77, Lambo_76, BirthdayBoy_80, Lila22_81, Gibbin_80, Yikes_79, OtterstedtS21_78, Sampudon_79, Penjamin420_78, Rumi_78, Alyssamiracle_80, Sadboi_78
• Track 2 : NovaSharks_79, Genamy16_80
• Track 3 : DumpTruck_79, Xenia2_78

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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alyssamiracle_80, BirthdayBoy_80, DumpTruck_79, Genamy16_80, Gibbin_80, GretelLyn_78, Lambo_76, Lila22_81, NovaSharks_79, OtterstedtS21_78, ParvusTarda_76, Penjamin420_78, Ranch_77, Rumi_78, Sadboi_78, Sampudon_79, Xenia2_78, Yikes_79,

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 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alyssamiracle_80 (DV), BirthdayBoy_80 (DV), DumpTruck_79 (DV), Genamy16_80 (DV), Gibbin_80 (DV), GretelLyn_78 (DV), Lambo_76 (DV), Lila22_81 (DV), NovaSharks_79 (DV), OtterstedtS21_78 (DV), ParvusTarda_76 (DV), Penjamin420_78 (DV), Ranch_77 (DV), Rumi_78 (DV), Sadboi_78 (DV), Sampudon_79 (DV), Xenia2_78 (DV), Yikes_79 (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 16 times for cluster DV.

Gene Information:

Gene: Alyssamiracle_80 Start: 50626, Stop: 50715, Start Num: 2
Candidate Starts for Alyssamiracle_80:
(1, 50575), (Start: 2 @50626 has 16 MA's), (4, 50662), (6, 50677),

Gene: BirthdayBoy_80 Start: 52268, Stop: 52357, Start Num: 2
Candidate Starts for BirthdayBoy_80:
(1, 52217), (Start: 2 @52268 has 16 MA's), (4, 52304), (6, 52319),

Gene: DumpTruck_79 Start: 51389, Stop: 51481, Start Num: 2
Candidate Starts for DumpTruck_79:
(Start: 2 @51389 has 16 MA's), (3, 51419), (4, 51425), (6, 51440),

Gene: Genamy16_80 Start: 50612, Stop: 50701, Start Num: 2
Candidate Starts for Genamy16_80:
(1, 50561), (Start: 2 @50612 has 16 MA's), (4, 50648), (5, 50651), (6, 50663), (7, 50666),

Gene: Gibbin_80 Start: 52426, Stop: 52515, Start Num: 2
Candidate Starts for Gibbin_80:
(1, 52375), (Start: 2 @52426 has 16 MA's), (4, 52462), (6, 52477),

Gene: GretelLyn_78 Start: 52255, Stop: 52344, Start Num: 2
Candidate Starts for GretelLyn_78:
(1, 52204), (Start: 2 @52255 has 16 MA's), (4, 52291), (6, 52306),

Gene: Lambo_76 Start: 51418, Stop: 51507, Start Num: 2
Candidate Starts for Lambo_76:
(1, 51367), (Start: 2 @51418 has 16 MA's), (4, 51454), (6, 51469),

Gene: Lila22_81 Start: 52326, Stop: 52415, Start Num: 2
Candidate Starts for Lila22_81:
(1, 52275), (Start: 2 @52326 has 16 MA's), (4, 52362), (6, 52377),

Gene: NovaSharks_79 Start: 50203, Stop: 50292, Start Num: 2
Candidate Starts for NovaSharks_79:
(1, 50152), (Start: 2 @50203 has 16 MA's), (4, 50239), (5, 50242), (6, 50254), (7, 50257),

Gene: OtterstedtS21_78 Start: 51701, Stop: 51793, Start Num: 2
Candidate Starts for OtterstedtS21_78:
(1, 51650), (Start: 2 @51701 has 16 MA's), (4, 51737), (6, 51752),

Gene: ParvusTarda_76 Start: 51097, Stop: 51186, Start Num: 2

Candidate Starts for ParvusTarda_76:
(1, 51046), (Start: 2 @51097 has 16 MA's), (4, 51133), (6, 51148),

Gene: Penjamin420_78 Start: 51852, Stop: 51941, Start Num: 2
Candidate Starts for Penjamin420_78:
(1, 51801), (Start: 2 @51852 has 16 MA's), (4, 51888), (6, 51903),

Gene: Ranch_77 Start: 50435, Stop: 50527, Start Num: 2
Candidate Starts for Ranch_77:
(1, 50384), (Start: 2 @50435 has 16 MA's), (4, 50471), (6, 50486),

Gene: Rumi_78 Start: 49900, Stop: 49989, Start Num: 2
Candidate Starts for Rumi_78:
(1, 49849), (Start: 2 @49900 has 16 MA's), (4, 49936), (6, 49951),

Gene: Sadboi_78 Start: 52256, Stop: 52345, Start Num: 2
Candidate Starts for Sadboi_78:
(1, 52205), (Start: 2 @52256 has 16 MA's), (4, 52292), (6, 52307),

Gene: Sampudon_79 Start: 52848, Stop: 52937, Start Num: 2
Candidate Starts for Sampudon_79:
(1, 52797), (Start: 2 @52848 has 16 MA's), (4, 52884), (6, 52899),

Gene: Xenia2_78 Start: 51277, Stop: 51369, Start Num: 2
Candidate Starts for Xenia2_78:
(Start: 2 @51277 has 16 MA's), (3, 51307), (4, 51313), (6, 51328),

Gene: Yikes_79 Start: 52702, Stop: 52791, Start Num: 2
Candidate Starts for Yikes_79:
(1, 52651), (Start: 2 @52702 has 16 MA's), (4, 52738), (6, 52753),