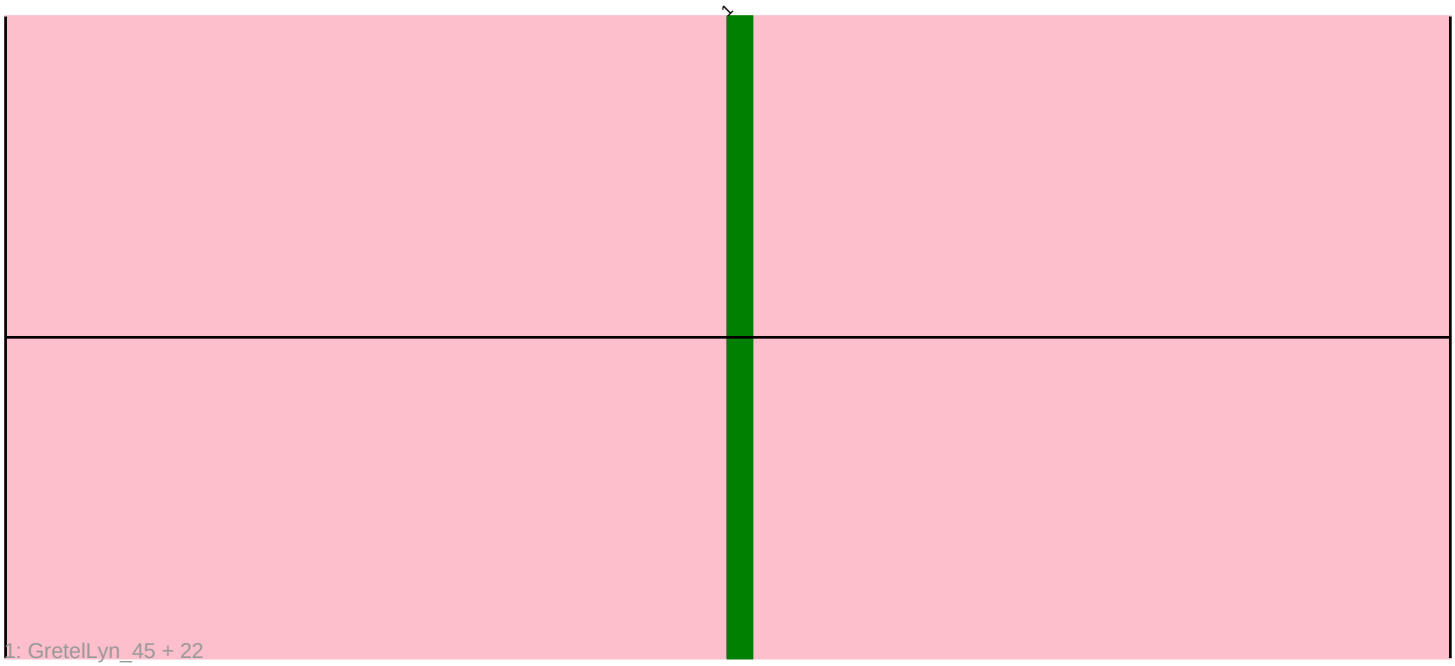
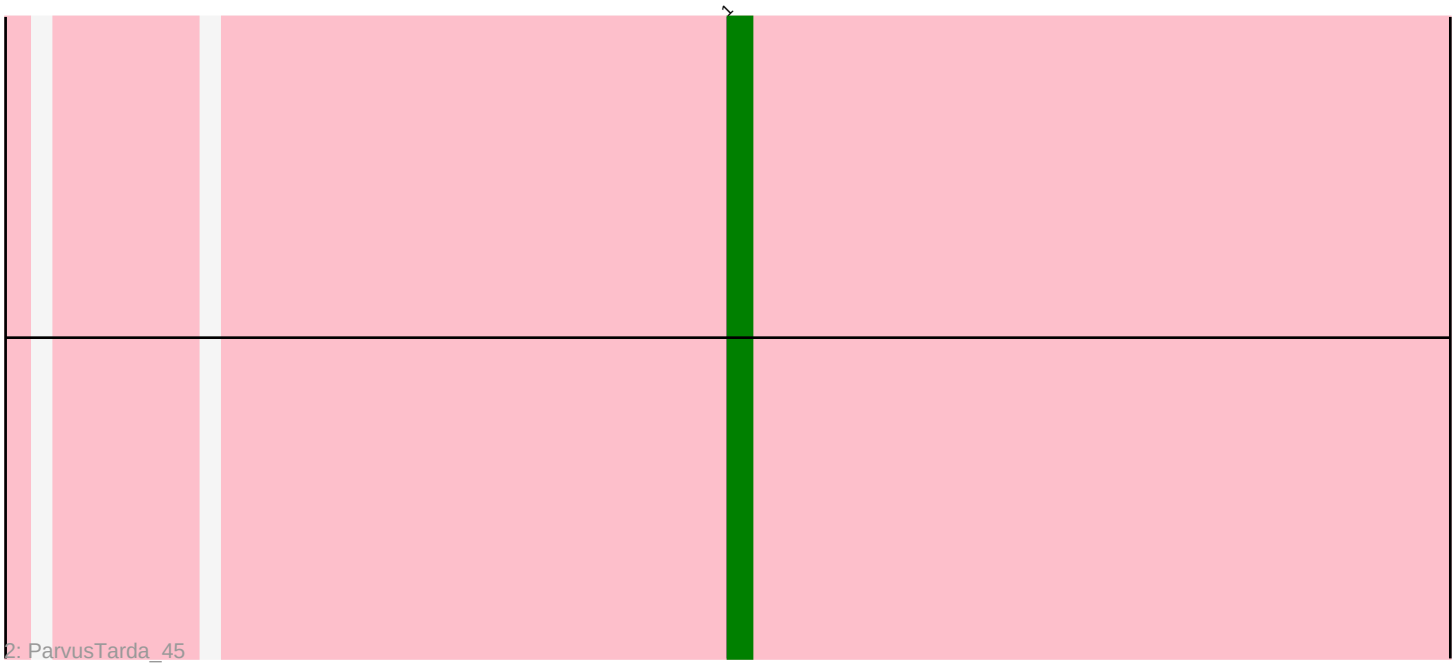
Pham 86628





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 86628 Report

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

Pham number 86628 has 24 members, 4 are drafts.

Phages represented in each track:
• Track 1 : GretelLyn_45, DoobyDoo_44, Alyssamiracle_47, Gibbin_47, Avian_45, Zany_44, Sadboi_46, NovaSharks_46, Sampudon_46, Genamy16_47, GOATification_46, BirthdayBoy_48, Yikes_47, NorManre_48, Rumi_46, Patos_48, Lambo_45, OtterstedtS21_45, Fulcrum_46, Ranch_47, Penjamin420_48, Jalebi_45, MoiGyank_52
• Track 2 : ParvusTarda_45

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 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alyssamiracle_47, Avian_45, BirthdayBoy_48, DoobyDoo_44, Fulcrum_46, GOATification_46, Genamy16_47, Gibbin_47, GretelLyn_45, Jalebi_45, Lambo_45, MoiGyank_52, NorManre_48, NovaSharks_46, OtterstedtS21_45, ParvusTarda_45, Patos_48, Penjamin420_48, Ranch_47, Rumi_46, Sadboi_46, Sampudon_46, Yikes_47, Zany_44,

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 1:
• Found in 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alyssamiracle_47 (DV), Avian_45 (DV), BirthdayBoy_48 (DV), DoobyDoo_44 (DV), Fulcrum_46 (DV), GOATification_46 (DV), Genamy16_47 (DV), Gibbin_47 (DV), GretelLyn_45 (DV), Jalebi_45 (DV), Lambo_45

(DV), MoiGyank_52 (DV), NorManre_48 (DV), NovaSharks_46 (DV), OtterstedtS21_45 (DV), ParvusTarda_45 (DV), Patos_48 (DV), Penjamin420_48 (DV), Ranch_47 (DV), Rumi_46 (DV), Sadboi_46 (DV), Sampudon_46 (DV), Yikes_47 (DV), Zany_44 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:
•Start number 1 was manually annotated 20 times for cluster DV.

Gene Information:

Gene: Alyssamiracle_47 Start: 34532, Stop: 34675, Start Num: 1
Candidate Starts for Alyssamiracle_47:
(Start: 1 @34532 has 20 MA's),

Gene: Avian_45 Start: 34499, Stop: 34642, Start Num: 1
Candidate Starts for Avian_45:
(Start: 1 @34499 has 20 MA's),

Gene: BirthdayBoy_48 Start: 36149, Stop: 36292, Start Num: 1
Candidate Starts for BirthdayBoy_48:
(Start: 1 @36149 has 20 MA's),

Gene: DoobyDoo_44 Start: 34763, Stop: 34906, Start Num: 1
Candidate Starts for DoobyDoo_44:
(Start: 1 @34763 has 20 MA's),

Gene: Fulcrum_46 Start: 35443, Stop: 35586, Start Num: 1
Candidate Starts for Fulcrum_46:
(Start: 1 @35443 has 20 MA's),

Gene: GOATification_46 Start: 35443, Stop: 35586, Start Num: 1
Candidate Starts for GOATification_46:
(Start: 1 @35443 has 20 MA's),

Gene: Genamy16_47 Start: 34520, Stop: 34663, Start Num: 1
Candidate Starts for Genamy16_47:
(Start: 1 @34520 has 20 MA's),

Gene: Gibbin_47 Start: 36252, Stop: 36395, Start Num: 1
Candidate Starts for Gibbin_47:
(Start: 1 @36252 has 20 MA's),

Gene: GretelLyn_45 Start: 36173, Stop: 36316, Start Num: 1
Candidate Starts for GretelLyn_45:
(Start: 1 @36173 has 20 MA's),

Gene: Jalebi_45 Start: 36680, Stop: 36823, Start Num: 1

Candidate Starts for Jalebi_45:
(Start: 1 @36680 has 20 MA's),

Gene: Lambo_45 Start: 35541, Stop: 35690, Start Num: 1
Candidate Starts for Lambo_45:
(Start: 1 @35541 has 20 MA's),

Gene: MoiGyank_52 Start: 36740, Stop: 36883, Start Num: 1
Candidate Starts for MoiGyank_52:
(Start: 1 @36740 has 20 MA's),

Gene: NorManre_48 Start: 35961, Stop: 36104, Start Num: 1
Candidate Starts for NorManre_48:
(Start: 1 @35961 has 20 MA's),

Gene: NovaSharks_46 Start: 34111, Stop: 34254, Start Num: 1
Candidate Starts for NovaSharks_46:
(Start: 1 @34111 has 20 MA's),

Gene: OtterstedtS21_45 Start: 35459, Stop: 35602, Start Num: 1
Candidate Starts for OtterstedtS21_45:
(Start: 1 @35459 has 20 MA's),

Gene: ParvusTarda_45 Start: 34961, Stop: 35104, Start Num: 1
Candidate Starts for ParvusTarda_45:
(Start: 1 @34961 has 20 MA's),

Gene: Patos_48 Start: 35960, Stop: 36103, Start Num: 1
Candidate Starts for Patos_48:
(Start: 1 @35960 has 20 MA's),

Gene: Penjamin420_48 Start: 35943, Stop: 36086, Start Num: 1
Candidate Starts for Penjamin420_48:
(Start: 1 @35943 has 20 MA's),

Gene: Ranch_47 Start: 34630, Stop: 34773, Start Num: 1
Candidate Starts for Ranch_47:
(Start: 1 @34630 has 20 MA's),

Gene: Rumi_46 Start: 34045, Stop: 34188, Start Num: 1
Candidate Starts for Rumi_46:
(Start: 1 @34045 has 20 MA's),

Gene: Sadboi_46 Start: 36174, Stop: 36317, Start Num: 1
Candidate Starts for Sadboi_46:
(Start: 1 @36174 has 20 MA's),

Gene: Sampudon_46 Start: 36680, Stop: 36823, Start Num: 1
Candidate Starts for Sampudon_46:
(Start: 1 @36680 has 20 MA's),

Gene: Yikes_47 Start: 36747, Stop: 36890, Start Num: 1
Candidate Starts for Yikes_47:

(Start: 1 @36747 has 20 MA's),

Gene: Zany_44 Start: 35583, Stop: 35726, Start Num: 1
Candidate Starts for Zany_44:
(Start: 1 @35583 has 20 MA's),