



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 2825 Report

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

Pham number 2825 has 32 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Asten_49, SarahRose_49, Ejemplo_48, TuanPN_48, TagePhighter_51, Maneekul_49
- Track 2 : Brataylor_52, Godpower_50, Dattran_51, Celeste_50, Danzina_51, Goby_49, Nabi_50, Lorelei_50, Toma_49, Rana_50
- Track 3 : Katalie_49, South40_49, RedBear_50
- Track 4 : Lannister_50
- Track 5 : Hippo_49, Werner_49
- Track 6 : OzzyJ_50
- Track 7 : BarryBee_52, Triste_50
- Track 8 : Emaanora_52, Yasdnil_49
- Track 9 : Dwayne_49, Whatever_49, Snorlax_49, Chucky_49
- Track 10 : Vanseggelen_56

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 29 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Asten_49, BarryBee_52, Brataylor_52, Celeste_50, Chucky_49, Danzina_51, Dattran_51, Dwayne_49, Ejemplo_48, Emaanora_52, Goby_49, Godpower_50, Hippo_49, Katalie_49, Lorelei_50, Maneekul_49, Nabi_50, OzzyJ_50, Rana_50, RedBear_50, SarahRose_49, Snorlax_49, South40_49, TagePhighter_51, Toma_49, Triste_50, TuanPN_48, Vanseggelen_56, Werner_49, Whatever_49, Yasdnil_49,

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

- Lannister_50,

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

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Summary by start number:

Start 1:

- Found in 32 of 32 (100.0%) of genes in pham
- Manual Annotations of this start: 29 of 30
- Called 96.9% of time when present
- Phage (with cluster) where this start called: Asten_49 (BD1), BarryBee_52 (BD1), Brataylor_52 (BD1), Celeste_50 (BD1), Chucky_49 (BD1), Danzina_51 (BD1), Dattran_51 (BD1), Dwayne_49 (BD1), Ejemplo_48 (BD1), Emaanora_52 (BD1), Goby_49 (BD1), Godpower_50 (BD1), Hippo_49 (BD1), Katalie_49 (BD1), Lorelei_50 (BD1), Maneekul_49 (BD1), Nabi_50 (BD1), OzzyJ_50 (BD1), Rana_50 (BD1), RedBear_50 (BD1), SarahRose_49 (BD1), Snorlax_49 (BD1), South40_49 (BD1), TagePhighter_51 (BD1), Toma_49 (BD1), Triste_50 (BD1), TuanPN_48 (BD1), Vanseggelen_56 (BD3), Werner_49 (BD1), Whatever_49 (BD1), Yasdnil_49 (BD1),

Start 3:

- Found in 1 of 32 (3.1%) of genes in pham
- Manual Annotations of this start: 1 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lannister_50 (BD1),

Summary by clusters:

There are 2 clusters represented in this pham: BD1, BD3,

Info for manual annotations of cluster BD1:

- Start number 1 was manually annotated 29 times for cluster BD1.
- Start number 3 was manually annotated 1 time for cluster BD1.

Gene Information:

Gene: Asten_49 Start: 36034, Stop: 35846, Start Num: 1

Candidate Starts for Asten_49:

(Start: 1 @36034 has 29 MA's), (6, 35995), (17, 35851),

Gene: BarryBee_52 Start: 36056, Stop: 35868, Start Num: 1

Candidate Starts for BarryBee_52:

(Start: 1 @36056 has 29 MA's), (2, 36044), (6, 36017), (7, 36011), (12, 35954), (17, 35873),

Gene: Brataylor_52 Start: 35467, Stop: 35291, Start Num: 1

Candidate Starts for Brataylor_52:

(Start: 1 @35467 has 29 MA's), (5, 35446), (6, 35440),

Gene: Celeste_50 Start: 34933, Stop: 34757, Start Num: 1

Candidate Starts for Celeste_50:

(Start: 1 @34933 has 29 MA's), (5, 34912), (6, 34906),

Gene: Chucky_49 Start: 36073, Stop: 35885, Start Num: 1

Candidate Starts for Chucky_49:

(Start: 1 @36073 has 29 MA's), (2, 36061), (6, 36034), (7, 36028), (14, 35911), (17, 35890),

Gene: Danzina_51 Start: 35231, Stop: 35055, Start Num: 1

Candidate Starts for Danzina_51:

(Start: 1 @35231 has 29 MA's), (5, 35210), (6, 35204),

Gene: Dattran_51 Start: 35102, Stop: 34926, Start Num: 1

Candidate Starts for Dattran_51:

(Start: 1 @35102 has 29 MA's), (5, 35081), (6, 35075),

Gene: Dwayne_49 Start: 36061, Stop: 35873, Start Num: 1

Candidate Starts for Dwayne_49:

(Start: 1 @36061 has 29 MA's), (2, 36049), (6, 36022), (7, 36016), (14, 35899), (17, 35878),

Gene: Ejemplo_48 Start: 35999, Stop: 35811, Start Num: 1

Candidate Starts for Ejemplo_48:

(Start: 1 @35999 has 29 MA's), (6, 35960), (17, 35816),

Gene: Emaanora_52 Start: 35984, Stop: 35796, Start Num: 1

Candidate Starts for Emaanora_52:

(Start: 1 @35984 has 29 MA's), (6, 35945),

Gene: Goby_49 Start: 35001, Stop: 34825, Start Num: 1

Candidate Starts for Goby_49:

(Start: 1 @35001 has 29 MA's), (5, 34980), (6, 34974),

Gene: Godpower_50 Start: 34980, Stop: 34804, Start Num: 1

Candidate Starts for Godpower_50:

(Start: 1 @34980 has 29 MA's), (5, 34959), (6, 34953),

Gene: Hippo_49 Start: 36047, Stop: 35859, Start Num: 1

Candidate Starts for Hippo_49:

(Start: 1 @36047 has 29 MA's), (2, 36035), (6, 36008), (7, 36002), (15, 35876), (17, 35864),

Gene: Katalie_49 Start: 36217, Stop: 36029, Start Num: 1

Candidate Starts for Katalie_49:

(Start: 1 @36217 has 29 MA's), (6, 36178), (14, 36055),

Gene: Lannister_50 Start: 34909, Stop: 34736, Start Num: 3

Candidate Starts for Lannister_50:

(Start: 1 @34924 has 29 MA's), (Start: 3 @34909 has 1 MA's), (4, 34900), (5, 34891), (6, 34885), (9, 34840), (13, 34804), (16, 34750), (17, 34741),

Gene: Lorelei_50 Start: 35011, Stop: 34835, Start Num: 1

Candidate Starts for Lorelei_50:

(Start: 1 @35011 has 29 MA's), (5, 34990), (6, 34984),

Gene: Maneekul_49 Start: 36077, Stop: 35889, Start Num: 1

Candidate Starts for Maneekul_49:

(Start: 1 @36077 has 29 MA's), (6, 36038), (17, 35894),

Gene: Nabi_50 Start: 35011, Stop: 34835, Start Num: 1

Candidate Starts for Nabi_50:

(Start: 1 @35011 has 29 MA's), (5, 34990), (6, 34984),

Gene: OzzyJ_50 Start: 36012, Stop: 35824, Start Num: 1

Candidate Starts for OzzyJ_50:

(Start: 1 @36012 has 29 MA's), (2, 36000), (6, 35973), (14, 35850),

Gene: Rana_50 Start: 35011, Stop: 34835, Start Num: 1

Candidate Starts for Rana_50:

(Start: 1 @35011 has 29 MA's), (5, 34990), (6, 34984),

Gene: RedBear_50 Start: 36217, Stop: 36029, Start Num: 1

Candidate Starts for RedBear_50:

(Start: 1 @36217 has 29 MA's), (6, 36178), (14, 36055),

Gene: SarahRose_49 Start: 36046, Stop: 35858, Start Num: 1

Candidate Starts for SarahRose_49:

(Start: 1 @36046 has 29 MA's), (6, 36007), (17, 35863),

Gene: Snorlax_49 Start: 36071, Stop: 35883, Start Num: 1

Candidate Starts for Snorlax_49:

(Start: 1 @36071 has 29 MA's), (2, 36059), (6, 36032), (7, 36026), (14, 35909), (17, 35888),

Gene: South40_49 Start: 36217, Stop: 36029, Start Num: 1

Candidate Starts for South40_49:

(Start: 1 @36217 has 29 MA's), (6, 36178), (14, 36055),

Gene: TagePhighter_51 Start: 36047, Stop: 35859, Start Num: 1

Candidate Starts for TagePhighter_51:

(Start: 1 @36047 has 29 MA's), (6, 36008), (17, 35864),

Gene: Toma_49 Start: 35001, Stop: 34825, Start Num: 1

Candidate Starts for Toma_49:

(Start: 1 @35001 has 29 MA's), (5, 34980), (6, 34974),

Gene: Triste_50 Start: 36046, Stop: 35858, Start Num: 1

Candidate Starts for Triste_50:

(Start: 1 @36046 has 29 MA's), (2, 36034), (6, 36007), (7, 36001), (12, 35944), (17, 35863),

Gene: TuanPN_48 Start: 35999, Stop: 35811, Start Num: 1

Candidate Starts for TuanPN_48:

(Start: 1 @35999 has 29 MA's), (6, 35960), (17, 35816),

Gene: Vanseggelen_56 Start: 36460, Stop: 36287, Start Num: 1

Candidate Starts for Vanseggelen_56:

(Start: 1 @36460 has 29 MA's), (2, 36448), (7, 36415), (8, 36388), (10, 36367), (11, 36361),

Gene: Werner_49 Start: 36044, Stop: 35856, Start Num: 1

Candidate Starts for Werner_49:

(Start: 1 @36044 has 29 MA's), (2, 36032), (6, 36005), (7, 35999), (15, 35873), (17, 35861),

Gene: Whatever_49 Start: 36070, Stop: 35882, Start Num: 1

Candidate Starts for Whatever_49:

(Start: 1 @36070 has 29 MA's), (2, 36058), (6, 36031), (7, 36025), (14, 35908), (17, 35887),

Gene: Yasdnil_49 Start: 36096, Stop: 35908, Start Num: 1

Candidate Starts for Yasdnil_49:

(Start: 1 @36096 has 29 MA's), (6, 36057),

