



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 329352 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329352 has 26 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Wintermute_34, DanSyl44_37, Slarp_34, Taquito_34, Cheetobro_34, SamScheppers_34, Mitti_34, Qhanda_35, Lebo14_34, Fionnbharth_34, OmniCritical_34, Chancellor_34, Eponine_36
- Track 2 : Malthus_35, YasnayaPolyana_34, Kraw_34
- Track 3 : Bobquesha_35, Patt_34, Reptar3000_34, MissDaisy_34
- Track 4 : Y10_34, Y2_34, JF1_34, Juliette_36, Ruthiejr_35
- Track 5 : Boilgate_30

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 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bobquesha_35, Boilgate_30, Chancellor_34, Cheetobro_34, DanSyl44_37, Eponine_36, Fionnbharth_34, JF1_34, Juliette_36, Kraw_34, Lebo14_34, Malthus_35, MissDaisy_34, Mitti_34, OmniCritical_34, Patt_34, Qhanda_35, Reptar3000_34, Ruthiejr_35, SamScheppers_34, Slarp_34, Taquito_34, Wintermute_34, Y10_34, Y2_34, YasnayaPolyana_34,

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 26 of 26 (100.0%) of genes in pham
- Manual Annotations of this start: 23 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bobquesha_35 (K4), Boilgate_30 (K8), Chancellor_34 (K4), Cheetobro_34 (K4), DanSyl44_37 (K4), Eponine_36 (K4),

Fionnbharth_34 (K4), JF1_34 (K4), Juliette_36 (K4), Kraw_34 (K4), Lebo14_34 (K4), Malthus_35 (K4), MissDaisy_34 (K4), Mitti_34 (K4), OmniCritical_34 (K4), Patt_34 (K4), Qhanda_35 (K4), Reptar3000_34 (K4), Ruthiejr_35 (K4), SamScheppers_34 (K4), Slarp_34 (K4), Taquito_34 (K4), Wintermute_34 (K4), Y10_34 (K4), Y2_34 (K4), YasnayaPolyana_34 (K4),

Summary by clusters:

There are 2 clusters represented in this pham: K8, K4,

Info for manual annotations of cluster K4:

- Start number 2 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K8:

- Start number 2 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: Bobquesha_35 Start: 28606, Stop: 28941, Start Num: 2

Candidate Starts for Bobquesha_35:

(Start: 2 @28606 has 23 MA's), (3, 28618), (8, 28654), (16, 28870),

Gene: Boilgate_30 Start: 29592, Stop: 29993, Start Num: 2

Candidate Starts for Boilgate_30:

(1, 29415), (Start: 2 @29592 has 23 MA's), (4, 29613), (6, 29643), (7, 29646), (9, 29700), (11, 29766), (13, 29880), (14, 29889), (15, 29904), (17, 29976),

Gene: Chancellor_34 Start: 28866, Stop: 29201, Start Num: 2

Candidate Starts for Chancellor_34:

(Start: 2 @28866 has 23 MA's), (3, 28878), (5, 28899), (8, 28914), (16, 29130),

Gene: Cheetobro_34 Start: 28863, Stop: 29198, Start Num: 2

Candidate Starts for Cheetobro_34:

(Start: 2 @28863 has 23 MA's), (3, 28875), (5, 28896), (8, 28911), (16, 29127),

Gene: DanSyl44_37 Start: 29732, Stop: 30067, Start Num: 2

Candidate Starts for DanSyl44_37:

(Start: 2 @29732 has 23 MA's), (3, 29744), (5, 29765), (8, 29780), (16, 29996),

Gene: Eponine_36 Start: 29619, Stop: 29954, Start Num: 2

Candidate Starts for Eponine_36:

(Start: 2 @29619 has 23 MA's), (3, 29631), (5, 29652), (8, 29667), (16, 29883),

Gene: Fionnbharth_34 Start: 28854, Stop: 29189, Start Num: 2

Candidate Starts for Fionnbharth_34:

(Start: 2 @28854 has 23 MA's), (3, 28866), (5, 28887), (8, 28902), (16, 29118),

Gene: JF1_34 Start: 28853, Stop: 29188, Start Num: 2

Candidate Starts for JF1_34:

(Start: 2 @28853 has 23 MA's), (3, 28865), (5, 28886), (8, 28901), (12, 28988), (16, 29117),

Gene: Juliette_36 Start: 29012, Stop: 29347, Start Num: 2

Candidate Starts for Juliette_36:

(Start: 2 @29012 has 23 MA's), (3, 29024), (5, 29045), (8, 29060), (12, 29147), (16, 29276),

Gene: Kraw_34 Start: 28778, Stop: 29113, Start Num: 2

Candidate Starts for Kraw_34:

(Start: 2 @28778 has 23 MA's), (3, 28790), (5, 28811), (8, 28826), (10, 28868), (12, 28913), (16, 29042),

Gene: Lebo14_34 Start: 28867, Stop: 29202, Start Num: 2

Candidate Starts for Lebo14_34:

(Start: 2 @28867 has 23 MA's), (3, 28879), (5, 28900), (8, 28915), (16, 29131),

Gene: Malthus_35 Start: 28778, Stop: 29113, Start Num: 2

Candidate Starts for Malthus_35:

(Start: 2 @28778 has 23 MA's), (3, 28790), (5, 28811), (8, 28826), (10, 28868), (12, 28913), (16, 29042),

Gene: MissDaisy_34 Start: 28621, Stop: 28956, Start Num: 2

Candidate Starts for MissDaisy_34:

(Start: 2 @28621 has 23 MA's), (3, 28633), (8, 28669), (16, 28885),

Gene: Mitti_34 Start: 28779, Stop: 29114, Start Num: 2

Candidate Starts for Mitti_34:

(Start: 2 @28779 has 23 MA's), (3, 28791), (5, 28812), (8, 28827), (16, 29043),

Gene: OmniCritical_34 Start: 28763, Stop: 29098, Start Num: 2

Candidate Starts for OmniCritical_34:

(Start: 2 @28763 has 23 MA's), (3, 28775), (5, 28796), (8, 28811), (16, 29027),

Gene: Patt_34 Start: 28597, Stop: 28932, Start Num: 2

Candidate Starts for Patt_34:

(Start: 2 @28597 has 23 MA's), (3, 28609), (8, 28645), (16, 28861),

Gene: Qhanda_35 Start: 28875, Stop: 29210, Start Num: 2

Candidate Starts for Qhanda_35:

(Start: 2 @28875 has 23 MA's), (3, 28887), (5, 28908), (8, 28923), (16, 29139),

Gene: Reptar3000_34 Start: 28588, Stop: 28923, Start Num: 2

Candidate Starts for Reptar3000_34:

(Start: 2 @28588 has 23 MA's), (3, 28600), (8, 28636), (16, 28852),

Gene: Ruthiejr_35 Start: 28744, Stop: 29079, Start Num: 2

Candidate Starts for Ruthiejr_35:

(Start: 2 @28744 has 23 MA's), (3, 28756), (5, 28777), (8, 28792), (12, 28879), (16, 29008),

Gene: SamScheppers_34 Start: 29257, Stop: 29592, Start Num: 2

Candidate Starts for SamScheppers_34:

(Start: 2 @29257 has 23 MA's), (3, 29269), (5, 29290), (8, 29305), (16, 29521),

Gene: Slarp_34 Start: 28866, Stop: 29201, Start Num: 2

Candidate Starts for Slarp_34:

(Start: 2 @28866 has 23 MA's), (3, 28878), (5, 28899), (8, 28914), (16, 29130),

Gene: Taquito_34 Start: 29304, Stop: 29639, Start Num: 2

Candidate Starts for Taquito_34:

(Start: 2 @29304 has 23 MA's), (3, 29316), (5, 29337), (8, 29352), (16, 29568),

Gene: Wintermute_34 Start: 28853, Stop: 29188, Start Num: 2

Candidate Starts for Wintermute_34:

(Start: 2 @28853 has 23 MA's), (3, 28865), (5, 28886), (8, 28901), (16, 29117),

Gene: Y10_34 Start: 28853, Stop: 29188, Start Num: 2

Candidate Starts for Y10_34:

(Start: 2 @28853 has 23 MA's), (3, 28865), (5, 28886), (8, 28901), (12, 28988), (16, 29117),

Gene: Y2_34 Start: 28853, Stop: 29188, Start Num: 2

Candidate Starts for Y2_34:

(Start: 2 @28853 has 23 MA's), (3, 28865), (5, 28886), (8, 28901), (12, 28988), (16, 29117),

Gene: YasnayaPolyana_34 Start: 28854, Stop: 29189, Start Num: 2

Candidate Starts for YasnayaPolyana_34:

(Start: 2 @28854 has 23 MA's), (3, 28866), (5, 28887), (8, 28902), (10, 28944), (12, 28989), (16, 29118),