



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 86601 Report

This analysis was run 04/05/24 on database version 557.

Pham number 86601 has 23 members, 1 are drafts.

Phages represented in each track:

- Track 1 : TunaTartare_155
- Track 2 : Comrade_151
- Track 3 : Moab_153, Patelgo_155
- Track 4 : SeresaTree_149, Faust_148
- Track 5 : SparkleGoddess_153
- Track 6 : Emma1919_159, Phredrick_158, Blueeyedbeauty_151, Gilson_158, Limpid_149
- Track 7 : Annadreamy_142
- Track 8 : Kenrey_161, Beuffert_148, Francob_157, MeganTheeKilla_156
- Track 9 : Sham_150
- Track 10 : Patelgo_159
- Track 11 : Moab_157
- Track 12 : Karp_148, Belfort_154, Stigma_152

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 17 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_142, Belfort_154, Beuffert_148, Blueeyedbeauty_151, Comrade_151, Emma1919_159, Faust_148, Francob_157, Gilson_158, Karp_148, Kenrey_161, Limpid_149, MeganTheeKilla_156, Moab_157, Patelgo_159, Phredrick_158, SeresaTree_149, Stigma_152,

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

- SparkleGoddess_153,

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

- Moab_153, Patelgo_155, Sham_150, TunaTartare_155,

Summary by start number:

Start 2:

- Found in 19 of 23 (82.6%) of genes in pham
- Manual Annotations of this start: 17 of 22
- Called 94.7% of time when present
- Phage (with cluster) where this start called: Annadreamy_142 (BK1), Belfort_154 (BK1), Beuffert_148 (BK1), Blueeyedbeauty_151 (BK1), Comrade_151 (BK1), Emma1919_159 (BK1), Faust_148 (BK1), Francob_157 (BK1), Gilson_158 (BK1), Karp_148 (BK1), Kenrey_161 (BK1), Limpid_149 (BK1), MeganTheeKilla_156 (BK1), Moab_157 (BK1), Patelgo_159 (BK1), Phredrick_158 (BK1), SeresaTree_149 (BK1), Stigma_152 (BK1),

Start 3:

- Found in 4 of 23 (17.4%) of genes in pham
- Manual Annotations of this start: 4 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Moab_153 (BK1), Patelgo_155 (BK1), Sham_150 (BK1), TunaTartare_155 (BK1),

Start 4:

- Found in 13 of 23 (56.5%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 7.7% of time when present
- Phage (with cluster) where this start called: SparkleGoddess_153 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 2 was manually annotated 17 times for cluster BK1.
- Start number 3 was manually annotated 4 times for cluster BK1.
- Start number 4 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Annadreamy_142 Start: 79793, Stop: 79984, Start Num: 2

Candidate Starts for Annadreamy_142:

(Start: 2 @79793 has 17 MA's), (Start: 4 @79811 has 1 MA's), (8, 79922), (12, 79976),

Gene: Belfort_154 Start: 85622, Stop: 85822, Start Num: 2

Candidate Starts for Belfort_154:

(Start: 2 @85622 has 17 MA's), (9, 85754),

Gene: Beuffert_148 Start: 84336, Stop: 84527, Start Num: 2

Candidate Starts for Beuffert_148:

(Start: 2 @84336 has 17 MA's), (Start: 4 @84354 has 1 MA's), (8, 84465),

Gene: Blueeyedbeauty_151 Start: 84215, Stop: 84406, Start Num: 2

Candidate Starts for Blueeyedbeauty_151:

(Start: 2 @84215 has 17 MA's), (Start: 4 @84233 has 1 MA's), (8, 84344), (12, 84398),

Gene: Comrade_151 Start: 85824, Stop: 86024, Start Num: 2

Candidate Starts for Comrade_151:

(Start: 2 @85824 has 17 MA's), (9, 85956), (10, 85962),

Gene: Emma1919_159 Start: 85218, Stop: 85409, Start Num: 2

Candidate Starts for Emma1919_159:

(Start: 2 @85218 has 17 MA's), (Start: 4 @85236 has 1 MA's), (8, 85347), (12, 85401),

Gene: Faust_148 Start: 85360, Stop: 85560, Start Num: 2

Candidate Starts for Faust_148:

(Start: 2 @85360 has 17 MA's),

Gene: Francob_157 Start: 85738, Stop: 85929, Start Num: 2

Candidate Starts for Francob_157:

(Start: 2 @85738 has 17 MA's), (Start: 4 @85756 has 1 MA's), (8, 85867),

Gene: Gilson_158 Start: 85180, Stop: 85371, Start Num: 2

Candidate Starts for Gilson_158:

(Start: 2 @85180 has 17 MA's), (Start: 4 @85198 has 1 MA's), (8, 85309), (12, 85363),

Gene: Karp_148 Start: 85048, Stop: 85248, Start Num: 2

Candidate Starts for Karp_148:

(Start: 2 @85048 has 17 MA's), (9, 85180),

Gene: Kenrey_161 Start: 86343, Stop: 86534, Start Num: 2

Candidate Starts for Kenrey_161:

(Start: 2 @86343 has 17 MA's), (Start: 4 @86361 has 1 MA's), (8, 86472),

Gene: Limpid_149 Start: 85101, Stop: 85292, Start Num: 2

Candidate Starts for Limpid_149:

(Start: 2 @85101 has 17 MA's), (Start: 4 @85119 has 1 MA's), (8, 85230), (12, 85284),

Gene: MeganTheeKilla_156 Start: 84804, Stop: 84995, Start Num: 2

Candidate Starts for MeganTheeKilla_156:

(Start: 2 @84804 has 17 MA's), (Start: 4 @84822 has 1 MA's), (8, 84933),

Gene: Moab_153 Start: 86790, Stop: 86984, Start Num: 3

Candidate Starts for Moab_153:

(Start: 3 @86790 has 4 MA's), (Start: 4 @86805 has 1 MA's),

Gene: Moab_157 Start: 87449, Stop: 87640, Start Num: 2

Candidate Starts for Moab_157:

(1, 87416), (Start: 2 @87449 has 17 MA's), (7, 87566),

Gene: Patelgo_155 Start: 87482, Stop: 87676, Start Num: 3

Candidate Starts for Patelgo_155:

(Start: 3 @87482 has 4 MA's), (Start: 4 @87497 has 1 MA's),

Gene: Patelgo_159 Start: 88141, Stop: 88332, Start Num: 2

Candidate Starts for Patelgo_159:

(1, 88108), (Start: 2 @88141 has 17 MA's), (6, 88225), (7, 88258),

Gene: Phredrick_158 Start: 84686, Stop: 84877, Start Num: 2

Candidate Starts for Phredrick_158:

(Start: 2 @84686 has 17 MA's), (Start: 4 @84704 has 1 MA's), (8, 84815), (12, 84869),

Gene: SeresaTree_149 Start: 84742, Stop: 84942, Start Num: 2

Candidate Starts for SeresaTree_149:

(Start: 2 @84742 has 17 MA's),

Gene: Sham_150 Start: 87221, Stop: 87409, Start Num: 3

Candidate Starts for Sham_150:

(Start: 3 @87221 has 4 MA's), (5, 87254), (10, 87356),

Gene: SparkleGoddess_153 Start: 85871, Stop: 86044, Start Num: 4

Candidate Starts for SparkleGoddess_153:

(Start: 2 @85853 has 17 MA's), (Start: 4 @85871 has 1 MA's), (8, 85982), (10, 85991),

Gene: Stigma_152 Start: 86269, Stop: 86469, Start Num: 2

Candidate Starts for Stigma_152:

(Start: 2 @86269 has 17 MA's), (9, 86401),

Gene: TunaTartare_155 Start: 88477, Stop: 88665, Start Num: 3

Candidate Starts for TunaTartare_155:

(Start: 3 @88477 has 4 MA's), (10, 88612), (11, 88627),