



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 88909 Report

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

Pham number 88909 has 6 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Persimmon_210, Navo_209, Braelyn_205
- Track 2 : WhereRU_212, Bartholomune_208
- Track 3 : Jada_147

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 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Braelyn_205, Jada_147, Navo_209, Persimmon_210,

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

- Bartholomune_208, WhereRU_212,

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

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Summary by start number:

Start 2:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Braelyn_205 (BE1), Jada_147 (BK1), Navo_209 (BE1), Persimmon_210 (BE1),

Start 3:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Bartholomune_208 (BE1), WhereRU_212 (BE1),

Summary by clusters:

There are 2 clusters represented in this pham: BE1, BK1,

Info for manual annotations of cluster BE1:

- Start number 2 was manually annotated 2 times for cluster BE1.
- Start number 3 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BK1:

- Start number 2 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Bartholomune_208 Start: 105264, Stop: 105620, Start Num: 3

Candidate Starts for Bartholomune_208:

(Start: 2 @105240 has 3 MA's), (Start: 3 @105264 has 1 MA's), (4, 105273), (5, 105279), (7, 105351), (9, 105381), (11, 105471), (12, 105540), (13, 105546), (14, 105582), (15, 105597), (16, 105615),

Gene: Braelyn_205 Start: 104887, Stop: 105267, Start Num: 2

Candidate Starts for Braelyn_205:

(Start: 2 @104887 has 3 MA's), (Start: 3 @104911 has 1 MA's), (4, 104920), (5, 104926), (7, 104998), (9, 105028), (11, 105118), (12, 105187), (13, 105193), (14, 105229), (15, 105244), (16, 105262),

Gene: Jada_147 Start: 81782, Stop: 82135, Start Num: 2

Candidate Starts for Jada_147:

(1, 81749), (Start: 2 @81782 has 3 MA's), (6, 81890), (8, 81914), (10, 81977), (13, 82085),

Gene: Navo_209 Start: 104091, Stop: 104471, Start Num: 2

Candidate Starts for Navo_209:

(Start: 2 @104091 has 3 MA's), (Start: 3 @104115 has 1 MA's), (4, 104124), (5, 104130), (7, 104202), (9, 104232), (11, 104322), (12, 104391), (13, 104397), (14, 104433), (15, 104448), (16, 104466),

Gene: Persimmon_210 Start: 105109, Stop: 105489, Start Num: 2

Candidate Starts for Persimmon_210:

(Start: 2 @105109 has 3 MA's), (Start: 3 @105133 has 1 MA's), (4, 105142), (5, 105148), (7, 105220), (9, 105250), (11, 105340), (12, 105409), (13, 105415), (14, 105451), (15, 105466), (16, 105484),

Gene: WhereRU_212 Start: 105312, Stop: 105668, Start Num: 3

Candidate Starts for WhereRU_212:

(Start: 2 @105288 has 3 MA's), (Start: 3 @105312 has 1 MA's), (4, 105321), (5, 105327), (7, 105399), (9, 105429), (11, 105519), (12, 105588), (13, 105594), (14, 105630), (15, 105645), (16, 105663),